

"Worldly Woman," will come to a conclusion; and Irish politics will receive consideration in a paper on "The Irish Land-Purchase Bill," by William O'Connor Morris, and a review of the proposed remedies for Irish distress by Michael Davitt.

—A pamphlet has been published in Washington on the subject of "Manual Training in the Public Schools of the District of Columbia." It is purely descriptive in character, and gives a careful and somewhat minute account of the various exercises that have been adopted at the national capital for imparting the training in question. The exercises here described are exclusively for boys, and embrace many kinds of operations in both wood and metal work, as well as in drawing. They are more difficult than some that we have seen described, and demand for their performance a considerable degree of mechanical skill. The text is illustrated by a large number of diagrams, which show better than description can the real character of the work done; and the pamphlet will doubtless be useful to all who are interested in its subject.

—*Scribner's Magazine* during the coming year will publish, among other matter not hitherto announced, "Papers on Japan," by Sir Edwin Arnold (completing the series to be begun in the December number under the title "Japonica"), illustrated by Robert Blum, who was commissioned by the magazine to visit Japan for the purpose, and co-operate with the author. Another literary and artistic contribution to this subject, also illustrated by Mr. Blum during his residence at Tokio, will be two articles by John H. Wigmore, professor in the Tokio University,—one on the popular aspect, and especially on the general celebration, of the inauguration of the new constitution and political order in Japan; and the other on the new parliament and other bodies which are to carry it into effect. Professor James Bryce, M.P., the well-known English publicist, and author of "The American Commonwealth," will write four articles upon India, embodying

the results of his recent journey and a careful study of the country in its social and political aspects, both in itself and its relations to the British Empire. Henry M. Stanley will make an important contribution on an African topic (entirely distinct from his book), with noteworthy illustrations; several papers will also be published, continuing the general subject of Africa, upon which the magazine has printed during the past year, in Mr. Stanley's only article, and in papers by Thomson, Drummond, Ward, and others, the most important articles that have appeared. In an early number will be printed an article by J. S. Keltie, summarizing, with the aid of the African Exhibition just held in London, the great events in the history of African exploration, with a large number of unique illustrations from objects, portraits, etc., lent by explorers and their representatives. There will also be published in the magazine "Latest Explorations of Dr. Carl Lumholtz" (the explorer, and author of "Among the Cannibals"),—papers giving the first account, and the only one to be published in any periodical, of the expedition upon which he is now engaged in a comparatively unexplored region of northern Mexico, in which, it has long been believed by the best authorities, may be discovered descendants of the primitive cave-dwellers and the foundations of the oldest American civilization; several articles upon Australian topics (including "Glimpses of Australia," by Josiah Royce; an article upon the railways of Australia, which, as examples of successful government control, present many novel features; an article on Kangaroo hunting by Birge Harrison; and others); "Ocean Steamships," a short series of fully illustrated articles (somewhat similar, in point of view and treatment, to the railway articles which excited so wide an interest in the magazine in 1889) upon their management, the life and travel upon them, etc.; and "The Seashore,"—four papers by Professor N. S. Shaler, with very copious and rich illustrations from the collections of photographs and drawings, both of the Atlantic and Pacific coasts, made by the author during the last twenty years.

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.



PRESSED WILD FLOWERS of the Black Hills; natural colors preserved, in Unique Books, with a fine plate of Deadwood. Large stock of Minerals, Vertebrate Fossils and Indian Relics of Dakota. Send for new catalogue. L. W. STILWELL, Deadwood, So. Dak.*

Just Published.

Fact and Theory Papers

I. THE SUPPRESSION OF CONSUMPTION.
By GODFREY W. HAMBLETON, M.D. 12°. 40c.

II. THE SOCIETY AND THE "PAD."
By APPLETON MORGAN, Esq. 12°. 20 cents.

III. PROTOPLASM AND LIFE.
By C. F. COX. 12°. 75 cents.

IV. THE CHEROKEES IN PRE-COLUMBIAN TIMES.

By CYRUS THOMAS. 12°. \$1.

V. THE TORNADO.
By H. A. HAZEN. 12°. \$1.

VI. TIME RELATIONS OF MENTAL PHENOMENA.

By JOSEPH JASTROW. 12°. 50 cents.

To be ready soon.

VII. HOUSEHOLD HYGIENE.
By MARY TAYLOR BISSELL. 12°. 75 cents.

Mailed, postpaid, on receipt of price.

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



Children
always
Enjoy It.

SCOTT'S EMULSION

of pure Cod Liver Oil with Hypophosphites of Lime and Soda is almost as palatable as milk.

Children enjoy it rather than otherwise. A MARVELLOUS FLESH PRODUCER it is indeed, and the little lads and lassies who take cold easily, may be fortified against a cough that might prove serious, by taking Scott's Emulsion after their meals during the winter season.

Beware of substitutions and imitations.

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.

CALENDAR OF SOCIETIES.

Biological Society, Washington.

Nov. 1.—F. V. Coville, Fruiting of the Ginkgo at the Department of Agriculture; George Marx, Investigations of the Poison Glands of Lathrodectus; Joseph F. James, Fucoids and other Problematic Organisms.

Nov. 15.—C. Hart Merriam, Life of the Lava-beds and Cañons of Snake River, Idaho, in October; Theo. Holm, The Vegetative Propagation of *Dicentra cucullaria*; W. H. Dall, Paleontological Notes from the Northwest Coast; F. A. Lucas, A Foot-Disease of Captive Birds.

New York Academy of Sciences.

Nov. 10.—Alexis A. Julien, On the Microbe of Phosphorescent Wood (illustrated by microscopic preparations).

Boston Society of Natural History.

Nov. 19.—Nathan Appleton, Santo Domingo (illustrated by the stereopticon).

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.—There being a considerable annual income for the purchase of books for the Museum Reference Library of Iowa College, it is desirable to have at hand any and all circulars, specimen sheets, catalogues, etc., of all works on Natural History in general, both foreign and domestic. Circulars of museum supplies, apparatus, etc., etc., desired also. State terms. Address ERWIN H. BARBOUR, Box 1883, Grinnell, Iowa.

WANTED.—A situation as Analytical Chemist is desired by the assistant of the late noted scientist, Dr. Cook, during his 15 years survey of the State of New Jersey. Highest testimonials furnished. Address Prof. EDWIN H. BOGDARDUS, New Brunswick, P. O. Box 294, care Prof. F. C. Van Dyck.

WANTED.—To purchase a complete set, or single numbers, of Loomis' contributions to meteorology, published in the *American Journal of Science*. Address communication, stating price, to FRANK WALDO, Mountain Lake Park, Garrett Co., Maryland.

COULD some one inform me what the ingredients and origin of asphalt as used for street-paving and gathered at Trinidad are? Also how gathered and shipped by natives, and mode of refining by the Warren-Scharf Co. of New York and the Barber Co. of Washington? G. KNIPEK, 28 Gunn Block, Grand Rapids, Mich.

WANTED.—A position in a Normal School or College as teacher of Botany, Physiology, Zoology, Embryology, Chemistry, Physics, or German, by a university graduate who has done special work in the above lines. Several years' experience in teaching, and one year as assistant in Biology in a prominent university. Box 296, Greencastle, Ind.

PROFESSOR W. M. DAVIS, Harvard College, Cambridge, Mass., desires to correspond with professional and amateur photographers, from whom he can obtain views of New England landscapes.

Exchanges.

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

I wish to exchange Eastern *Lepidoptera* for those that I do not have, particularly those found in the South. Jos. F. Crandall, Honesdale, Wayne Co., Pa.

To exchange, 1200 Seeger and Guernsey Cyclopedia, containing a complete list of the manufactures and products of the U. S., and address of first hands, cost \$6. David R. Lewis, Saybrook, Ill.

For exchange—Nice specimens of *Unio alatus*, *trigonus*, *parvus*, *occidentis*, *anodontoides gibbosus*, *rectus*, *verucosus*, *gracilis costatus*, *ventricosus*, *multiplicatus* and *plicatus cornutus*. *Margaritana confregosa*, *complanata*, *rufescens*. *Anadonta ephraica*, *decora*, *corpulenta*, and *submarginata*. Beautiful *Ana. submarginata*. Wanted: *Unio* from all parts of the world, and sea-shells. Address Dr. W. S. Strode, Bernadotte, Ill.

We would announce that we have secured the American Agency for the Quarterly

JOURNAL OF MICROSCOPY AND NATURAL SCIENCE.

\$1.75 Per Year.

SAMPLE COPIES 10 CENTS.

CONTENTS OF OCTOBER NUMBER.

Life in Death, as Manifest in Falling Leaves.
Curious want of Ingenuity in the Harvesting Ants of France.
Frog Farming.
Some Thoughts on Light.
Cysticercoids Parasitic in *Cypres cinerea*.
Some remarks on the Pucciniae attacking Galium.
The Influenza Bacillus.
Mounting Medium for Vegetable Structures.
The Study of Entomology.
A Homely Zoophyte Trough.
Beetles.
Dips into my Aquarium.
Artificial Sea-Water.
Among the Sea-Urchins.
Food from Wood.
The Elements of Microscopy.
The Aspect of the Heavens.
In Darkest Africa.
Selected Notes from the Society's Note Books.
(80 pages in this part.)
Coccus cataphractus.
Gomphonema Germinatum.
Frons of Ferns.
Cuticle Stangeria paradoxa.
Stangeria paradoxa.
Tracheae of Insects.
Unopened Eye-lids of Kitten.
Section of Piper.
Law of Mole.
Reviews. Title. Preface. Index.

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

JUST 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 Pl., N. Y.

A Handsome and Useful Present that will be Appreciated by all who write.

THE HULIN FOUNTAIN PEN.

Warranted 14 Karat Gold and to give perfect satisfaction.

Hundreds of Testimonials received from pleased customers, who say that the

"HULIN" is the best Fountain Pen in the market.

Price, \$1.50, \$2.00, and \$2.50 each, according to size selected.

Sent by mail postpaid.

John S. Hulin,

369 Broadway, N. Y.,

Manufacturing Stationer and Steam Printer, and Dealer in Useful Office Specialties and Labor-saving Devices for Accountants. Headquarters for Wedding Invitations, Visiting Cards, Typewriters' Materials, and all supplies in the Stationery Line.

Send Stamp for Illustrated Catalogue.

"The Corner Stone of a Nation."—Longfellow.



PLYMOUTH ROCK.

Have you stood on the world famous "Plymouth Rock," or visited the historic scenes in Pilgrim-land? Would you do this in picture and story, send for one of the following books:

Glimpses of Pilgrim Plymouth.—Forty-eight views in Photo-Gravure from photographs and paintings, with descriptive text, showing the Plymouth of 1620 and the Plymouth of today. Price by mail, \$1.50. Reduced size, thirty-four views, 50 cents.

Sketches about Plymouth.—Etchings by W. H. W. Bicknell, in white portfolio. Size, 10x12. \$2.50.

Pilgrim Plymouth.—Sixteen Indotype views, with descriptive text. Size, 10x13. Cloth covers, gilt, \$4.50. Same, in handsome seal binding, \$7.50.

"Standish of Standish," by Jane G. Austin. The story of the Pilgrims; deeply interesting, historically accurate; cloth binding. \$1.25.

Little Pilgrims at Plymouth.—By L. B. Humphrey. The Pilgrim story told for children. Finely illustrated; cloth. \$1.25.

Plymouth Rock Paper Weights.—Models of the famous Rock, two sizes; by mail 35 and 50 cents each.

Gov. Carver's Chair.—Models of the Chair brought in the Mayflower, 1620, 25 cents.

Photographs of Plymouth Rock, Pilgrim Hall, National Monument to the Pilgrims, and one hundred other subjects of historic interest. Extra fine views, 5 1/2 x 8 1/2, 35 cents each, \$4.00 per dozen. Catalogue free.

Plymouth Albums, 31 Views, 25 cents.

Any of the above books will make handsome Christmas and Birthday presents, and will be mailed postpaid on receipt of price.

We have sent samples to the editor of this paper who will vouch for their excellence.

Agents wanted.

A. S. BURBANK,
Pilgrim Bookstore, Plymouth, Mass.

LE MUSEE DE LA PLATA.

Rapide Coup d'Œil sur sa Fondation et son Développement. Numerous plates. Par Francisco P. Moreno, Fondateur-Directeur du Musée. Sent, postpaid, on receipt of 50 cents. SCIENCE BOOK AGENCY, 47 Lafayette Place, New York.

BOOKS: How to Exchange them for others. Send a postal to the SCIENCE exchange column (insertion free), stating briefly what you want to exchange. SCIENCE, 47 Lafayette Place, New York.