

brandbacillus" we find "anthrax bacillus." It is pleasing to read (p. 86) that the spore formation of *Bacillus anthracis* "occurs most plenteous at breeding temperature." We cannot agree that the equivalent of the German "welche in der Richtung der Längsachse der Mutterzelle auskeimen," is given in "which spring from the long axes of the maternal cells." On p. 96, where the effects of the injection of *Staphylococcus pyogenes aureus* into the blood-vessels are considered, "nach Lädierung der Herzklappen" is translated "later they attack the valves of the heart," and so we might go on indefinitely.

In the third German edition of this book, which appeared in 1891, 376 micro-organisms are described, whilst this translation of the second edition appears in 1892 and describes some 133 micro-organisms. The appendix belonging to the third German edition, which was not present in the second edition, has been added to the translation of the latter. We have not noticed much that is "augmented" in the translation, but much that is distorted and misstated. The climax was reached when we found the *Plasmodium malarie* (not mentioned in Eisenberg at all) classified under the heading "Pathogenic Bacteria." In justice to the publishers, we are only too happy to remark that the printing, and especially the binding of this book are well done.

On one point the translator justly gives himself credit, and that is in the preface where he says, "The arrangement of the text has been somewhat changed from the original." G. H. F. N.

AMONG THE PUBLISHERS.

A GUIDE-BOOK is a *sine qua non* to the average American bound for a summer's trip in Europe. But, aside from the stock information which the regulation books of that class contain, there is a large number of questions in regard to foreign things and ways which remain open, and it is to help the tourist to just such additional and most necessary information that Brentano's, New York, has just brought out "Abroad and at Home," by Morris Phillips, the well-known editor of *The Home Journal*. In this book can be found accounts of the author's experiences while in Great Britain and France, and the close of the volume contains much similar information about our Southern States and the Pacific Coast, this last justifying the "At Home" in the title.

— Thomas Curtis Clarke, the eminent engineer, in the June number of *Scribner's* will suggest a solution for the problem of rapid transit as it now confronts the cities of New York, Chicago, and Boston. The New York plan, which he favors, involves a new street with an open-air viaduct on one side of it, abutting on great warehouses, the lower stories of which enter directly into the tunnel for freight trains beneath the viaduct.

— Messrs. Macmillan & Co. are about to issue, under the title of "Calmire" (a name of French origin, pronounced Calmère), an exposition, through the medium of a story, of that scientific explanation of the basis of morals, for which many are seeking out-

CALENDAR OF SOCIETIES.

Society of Natural History, Boston.

May 18.—J. S. Kingsley, Notes on the Anatomy of Amphibia; W. O. Crosby, On Some Evidences of Tertiary Deposits in the Boston Basin.

Biological Society, Washington.

May 14.—W. H. Seaman, The Photogenic Organs of Fireflies; C. Hart Merriam, A New Prairie Dog from Mexico; Charles Hallock, Where Salt-Water Fishes Hide: Results of Deep-Water Seining; Theo. Holm, Additions to the Flora of Washington (with exhibition of specimens); Frederick V. Coville, The Use of Certain Terms in Geographic Distribution.

Publications Received at Editor's Office.

BERNARD, HENRY MEYNERS. The Apodidae. New York, Macmillan & Co. 12°. 896 p. \$2.
BUTLER, AMOS W. The Birds of Indiana. Brookville, Ind., Wm. B. Burford, printer. 8°. paper. 135 p.
NÄGELI, CARL AND SCHWENDENER, S. The Microscope in Theory and Practice. Trans. from the German. 2d ed. New York, Macmillan & Co. 8°. 394 p., ill. \$2.60.
SMITHSONIAN INSTITUTION. Report of the National Museum for the year ending June 30, 1891. Washington, Government. 8°. 954 p.
U. S. BOARD ON GEOGRAPHIC NAMES. First Report. 1890-1891. Washington, Government. 8°. 56 p.
WEED, ALONZO R. Business Law. Revised ed. Boston, D. C. Heath & Co. 8°. 172 p. \$1.10.

Business Department.

The Rose Polytechnic Institute, Terre Haute, Ind., advertised in this issue, is one of the few well-endowed and well-equipped schools of a college grade in the United States devoted exclusively to the professional education of Mechanical, Electrical and Civil Engineers and Chemists. Very special attention is devoted to Electricity. Send for catalogue.

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For exchange.—Three copies of "American State Papers Bearing on Sunday Legislation," 1891, \$2.50, new and unused, for "The Sabbath," by Harmon Kingsbury, 1840; "The Sabbath," by A. A. Phelps, 1842; "History of the Institution of the Sabbath Day, Its Uses and Abuses," by W. L. Fisher, 1859; "Humorous Phases of the Law," by Irving Browne; or other works amounting to value of books exchanged, on the question of governmental legislation in reference to religion, personal liberty, etc. If preferred, I will sell "American State Papers," and buy other books on the subject. WILLIAM ADDISON BLAKELY, Chicago, Ill.

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To exchange Wright's "Ice Age in North America" and Le Conte's "Elements of Geology" (Copyright 1882) for "Darwinism," by A. R. Wallace, "Origin of Species," by Darwin, "Descent of Man," by Darwin, "Man's Place in Nature," Huxley, "Mental Evolution in Animals," by Romanes, "Pre-Adamites," by Winchell. No books wanted except latest editions, and books in good condition. C. S. Brown, Jr., Vanderbilt University, Nashville, Tenn.

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 teacher of Geology who is familiar with the fossils of the Hamilton Group, as instructor of Geology during July next at the Natural Science Camp on Canandaigua lake. Apply to ALBERT L. AREY, Director, 229 Averill Ave., Rochester, N. Y.

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— The ninth volume of the new edition of "Chambers's Encyclopædia" is in a forward state, and will be published by the J. B. Lippincott Company in June. Another volume will complete this excellent work of reference. The following are some of the prin-

cipal articles and authors in the new volume: "Rousseau," Rev. H. G. Graham; "Runes," Canon Isaac Taylor; "Russia," "St. Petersburg," "Siberia," Prince Krapotkin; "Salmon," Archibald Young; "Salvation Army," Bramwell Booth; "Samoa," C. P. Lucas; "George Sand," Mr. G. Saintsbury; "Scandinavian Mythology," Professor Rasmus Andersen; "Schopenhauer," Professor W. Caldwell; "Schleiermacher," Dr. Otto Pfeleiderer; "Spectrum," Professor Knott; "Scotland," history, Professor Grub; "Scottish Language," Dr. J. A. H. Murray; "Scottish Literature," Hume Brown; "Sir Walter Scott," Andrew Lang; "Seal," "Sole," J. T. Cunningham; "Secularism," Mr. G. J. Holyoake; "Shakespeare" and "Shelley," Professor Dowden; "Sheep," James MacDonald; Generals "Sheridan" and "Sherman," General Grant Wilson; "Shipbuilding," David Pollock; "Shorthand," Isaac Pitman; "Siam," J. S. Black; "Slang," C. G. Leland; "Socialism," T. Kirkup; "Herbert Spencer," Professor Sorby; "Sphinx," Stanley Lane-Poole; "H. M. Stanley," J. S. Keltie; "Dean Stanley," Professor Story; "State Religion," Canon Curteis; "Steam" and "Steam-Engine," Professor A. B. W. Kennedy; "Sterne," Traill; "Strawberry," Blackmore.

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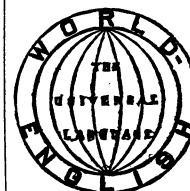
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