

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 malariae* (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 Amphiuma; 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 MEYERS. The Apodidae. New York, Macmillan & Co. 12°. 386 p. \$2.
BUTLER, AMOS W. The Birds of Indiana. Brookville, Ind., Wm. B. Burford, printer. 8°, paper. 135 p.
NÄGELL, CARL and SCHWENDENER, S. The Microscope in Theory and Practice. Trans. from the German. 2d ed. New York, Macmillan & Co. 8°. 304 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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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.

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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; "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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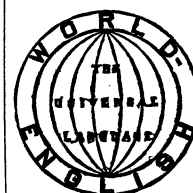
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Titles of Some Articles Published in *Science* since Jan. 1, 1892.

Aboriginal North American Tea.
Actinism.
Amenhotep, King, the tomb of.
Anthropology, Current Notes on.
Arsenical Poisoning from Domestic Fabrics.
Anatomy, The Teaching of, to Advanced Medical Students.
Astronomical Notes.
Botanical Laboratory, A.
Brain, A Few Characteristics of the Avian.
Celts, The Question of the.
Collection of Objects Used in Worship.
Deaf, Higher Education of the.
Diphtheria, Tox-Albumin.
Etymology of two Iroquoian Compound Stems.
Eye-Habits.
Family Traits, Persistency of.
Fishes, The Distribution of.
Fossils, Notice of New Gigantic.
Grasses, Homoptera Injurious to.
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Hemipterous Mouth, Structure of the.
Hypnotism among the Lower Animals.
Hypnotism, Traumatic.
Indian occupation of New York.
Influenza, Latest Details Concerning the Germs of.
Infant's Movements.
Inventors and Manufacturers, the American Association of.
Iowa Academy of Sciences.
Jargon, The Chinook.
Klamath Nation, Linguistics.
Lightning, The New Method of Protecting Buildings from.
Lissajou's Curves, Simple Apparatus for the Production of.
Maize Plant, Observations on the Growth and Chemical Composition of.
Mineral Discoveries, Some Recent, in the State of Washington.
Museums, The Support of.
Patent Office Building, The.
Pocket Gopher, Attempted Extermination of.
Psychological Laboratory in the University of Toronto.
Psychological Training, The Need of.
Rain-Making.
Rivers, Evolution of the Loup, in Nebraska.
Scientific Alliance, The.
Star, The New, in Auriga.
Storage of Storm-Waters on the Great Plains.
Teaching of Science.
Tiger, A New Sabre-Toothed, from Kansas.
Timber Trees of West Virginia.
Trachea of Insects, Structure of.
Vein-Formation, Valuable Experiments in.
Will, a Recent Analysis of.
Wind-Storms and Trees.
Wines, The Sophisticated French.
Zoology in the Public Schools of Washington, D. C.

Some of the Contributors to *Science* Since Jan. 1, 1892.

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