

## LETTERS TO THE EDITOR.

\*\*\* Correspondents are requested to be as brief as possible. The writer's name is in all cases required as proof of good faith.

The editor will be glad to publish any queries consonant with the character of the journal.

## How to Protect Inventions in Foreign Countries.

IN my article on protecting inventions in foreign countries, the matter quoted below should be amended, as indicated, by adding the clause in italics.

"The term, 17 years, of a United States patent is not shortened by an application filed, within 7 months of the United States application, in Belgium, France, Great Britain, Guatemala, Italy, Netherlands, Norway, Portugal, Servia, Spain, Sweden, Switzerland, and Tunis, or within 6 months, in Brazil or San Domingo, if the respective dates of the foreign patents are the same or later than that of the United States patent."

The error occurred through no fault of yours; but you would greatly oblige me by entering the correction.

EDWARD P. THOMPSON.

New York, June 9.

THE current issue of *The Weekly Bulletin of Newspaper and Periodical Literature*, published at 5 Somerset St., Boston, is twice its usual size, containing a classified index of 1300 articles from recent numbers of the periodical press. The *Bulletin* cata-

logues the important articles in the leading daily and weekly papers and the monthly magazines of the United States and Canada, including *Science*. Its value to readers, writers, and students, is sufficiently indicated by its title, and, although still in its first volume, its success as evidenced by the current issue is a surprise to no one acquainted with its plan and purpose.

—A State Academy of Science was established in Ohio last December by a few of the workers in various departments, and held its first field or summer meeting at Akron on the 3d and 4th of June. Arrangements were made for its reception by the Akron Scientific Club, and these were carried out to the evident satisfaction of the members attending. Their number was, however, diminished by a heavy downpour of rain during the preceding night though on the two days of the meeting the weather was fine. A small steamer was engaged for the day, and both hosts and guests enjoyed together ample opportunities for study and collection, in all departments, on the banks and in the waters of several of the morainic lakes so numerous in the vicinity of Akron. In the evening a reception was held at Buchtel College, when short addresses of welcome were made by the mayor, the president of the college and the president of the club, and were suitably replied to by several of the visiting members. A short business session and a microscopic exhibition by the students completed the programme. On Saturday the members went by an early train to the Gorge of the Cuyahoga, where they spent the

## CALENDAR OF SOCIETIES.

## Chemical Society, Washington.

May 12.—E. E. Ewell, The Carbohydrates of the Coffee-Berry; G. L. Spencer, An Improved Extraction Flask and an apparatus for Rapid Drying over Sulphuric Acid; K. P. McElroy and W. D. Bigelow, Behavior of Chromates in Acetone Solutions. Adjournment was until November.

## Biological Society, Washington.

June 11.—C. Hart Merriam, The Southern Fur Seal (*Arctocephalus*) at Guadalupe Island; Frederick V. Coville, Uses of Plants among the Panamint Indians; J. M. Holzinger, On *Amarantus crassipes* Schlechtendal; C. Hart Merriam, The Death Valley Expedition.

## Societas Entomologica.

International Entomological Society, Zurich-Hottingen, Switzerland.

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The Journal of the Society appears twice a month, and consists entirely of original articles on entomology, with a department for advertisements. All members may use this department free of cost for advertisements relating to entomology.

The Society consists of about 450 members in all countries of the world.

The new volume began April 1, 1892. The numbers already issued will be sent to new members.

For information address Mr. FRITZ RUEHL, President of the Societas Entomologica, Zurich-Hottingen, Switzerland.

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To exchange; Experiment Station bulletins and reports for bulletins and reports not in my file. I will send list of what I have for exchange. P. H. ROLFS, Lake City, Florida.

Finished specimens of all colors of Vermont marble for fine fossils or crystals. Will be given only for valuable specimens because of the cost of polishing. GEO. W. PERRY, State Geologist, Rutland, Vt.

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.

For Sale or Exchange for books a complete private chemical laboratory outfit. Includes large Becker balance (200g. to 1-10mg.), platinum dishes and crucibles, agate motors, glass-blowing apparatus, etc. For sale in part or whole. Also complete file of *Silliman's Journal*, 1862-1885 (62-71 bound); Smithsonian Reports, 1854-1883; U. S. Coast Survey, 1854-1869. Full particulars to enquirers. F. GARDINER, JR., Pomfret, Conn.

Wanted, in exchange for the following works, any standard works on Surgery and on Diseases of Children: Wilson's "American Ornithology," 3 vols.; Coues' "Birds of the Northwest" and "Birds of the Colorado Valley," 2 vols.; Minot's "Land and Game Birds of New England"; Samuels' "Our Northern and Eastern Birds," all the Reports on the Birds of the Pacific R. R. Survey, bound in 2 vols., Morocco; and a complete set of the Reports of the Arkansas Geological Survey. Please give editions and dates in corresponding. R. ELLSWORTH CALL, High School, Des Moines, Iowa.

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.—We want any and all of the following, providing we can trade other books and magazines or buy them cheap for cash: Academy, London, vol. 1 to 28, 35, Jan. and Feb., '89; Age of Steel, vol. 1 to 66; American Antiquarian, vol. 1, 2; American Architect, vol. 1 to 6, 9; American Art Review, vol. 3; American Field, vol. 1 to 21; American Geologist, vol. 1 to 6; American Machinist, vol. 1 to 4; Art Amateur, vol. 1 to 7, Oct., '4; Art Interchange, vol. 1 to 9; Art Union, vol. 1 to 4, Jan., '44, July, '45; Bibliotheca Sacra, vol. 1 to 46; Godey's Lady's Book, vol. 1 to 20; New Englander, vol. 11; Zoologist, Series 1 and 1, Series 3 vol. 1 to 14; Allen Armendale (a novel). Rayner's "Old Book" Store, 243 4th Ave. S., Minneapolis, Minn.

WANTED.—By a young man, a Swarthmore College junior, a position as principal of a public high school in one of the Gulf States, or as instructor in botany, physiology, and geology in an academy or normal school. Address B., care of Librarian, Swarthmore College, Penn.

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.

WANTED.—To act as correspondent for one or two daily or weekly papers. Have worked on paper for about two years. Would like a position on editorial staff of humorous paper. Address GEO. C. MASON, 14 Elm St., Hartford, Conn.

TRANSLATOR wanted to read German architectural works at sight (no writing). One familiar with technical terms desired. Address "A," Box 149, New York Post Office.

WANTED.—A position in a manufacturing establishment by a manufacturing Chemist of inventive ability. Address M. W. B., care of *Science*, 874 Broadway, N. Y.

WANTED.—Books on Anatomy and Hypnotism. Will pay cash or give similar books in exchange. Also want medical battery and photo outfit. DR. ANDERSON, 182 State street, Chicago, Ill.

WANTED.—A college graduate with some normal training, to teach the sciences, at \$1,800 per year, in a Southern college. A Baptist or a Methodist preferred. Must also be a first-class Latin scholar. A. H. Beals, Box K, Milledgeville, Ga.

ADDRESS WANTED.—Will some one please send the address of the Secretary of the American Philological Society. Also that of Herbert Spencer. "ADDISON," Room 84, 164 Madison St., Chicago, Ill.

day in a specially rich field for study in geology and botany, and where entomology was not lacking in opportunity. Those who were compelled to return took the afternoon trains, and a few who could remain assembled and took tea at the home of the president, where they spent the evening. The meeting broke up with the conviction that the first summer gathering of the young Academy had been a pleasant and successful occasion.

—In a paper read before the Washington Chemical Society, May 12, the carbohydrates of the coffee-berry were discussed by Erwin E. Ewell. Our knowledge of the carbohydrates has been materially extended during very recent years, in consequence of which investigation in this line has been greatly stimulated. Maxwell has demonstrated the presence of an insoluble, galactose-yielding carbohydrate; Reiss has reported an insoluble carbohydrate that yields mannose by hydrolysis with dilute sulphuric acid. The water-soluble carbohydrates have received less attention; indefinite statements concerning sugar, gum, and dextrin make up the ex-

isting literature of the subject. By experiments made in the laboratory of the United States Department of Agriculture, cane-sugar, accompanied by small percentages of a substance resembling dextrin and some reducing sugar, has been shown to make up the water-soluble carbohydrate material of coffee. The cane-sugar was obtained in pure and well-defined crystals. A gum was prepared from the portion insoluble in water. The latter has been shown to be a galactose and pentose-yielding substance, and is now being studied farther. At the same meeting, K. P. McElroy and W. D. Bigelow described a new method for the qualitative separation of calcium and strontium, based on the solubility of calcium chromate in dilute acetone. The chlorides of these metals are dissolved in 50 per cent acetone, and a solution of potassium chromate in 50 per cent acetone added. After standing ten minutes no strontium can be detected in the filtrate, and the precipitate is practically free from calcium salts. These investigations will be continued with the hope that the separation may prove quantitative.

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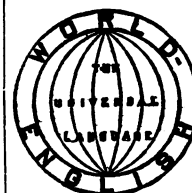
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First inserted June 19. No response to date.

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### OUR PLANS.

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It goes without saying, that the demand for scientific literature is limited, when compared with that for literature which is more to the public taste, so that the receipts of most of the Scientific Journals, in this country, do not pay quite for their printing and paper, to say nothing of the other items of expense. We say this merely to emphasize the fact, that generous and prompt support must be accorded this move if it is to succeed.

### 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.  
"Healing, Divine."  
Hemipterus 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.  
Malze 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.  
Tracheæ 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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Beal, W. J., Agricultural College, Mich.  
Beals, A. H., Milledgeville, Ga.  
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Farrington, E. H., Agricultural Station, Champaign, Ill.  
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