

in the office of the Geological Survey, awaiting a limited distribution some years hence.

BIBLIOGRAPHY OF AMERICAN BOTANY.

THE Bibliography Committee of American botanists has just completed its first year of organized work in the production of an author catalogue of papers relating to American Botany. This has been printed in the monthly issues of the *Bulletin of the Torrey Botanical Club* and then reprinted on library cards by the Cambridge Botanical Supply Co. The editors have endeavored to make the record as complete as possible and it includes 575 titles. The committee and the editors earnestly request that their attention be called to omissions and that all interested aid in insuring completeness.

Foreign botanists are particularly requested to call our attention to any of their writings which refer to American plants. Communications may be addressed to the Editor of the *Torrey Botanical Club*, Columbia College, New York City.

GENERAL.

ON January 10th, Dr. George M. Dawson, C. M. G., F. R. S., was appointed Director of the Geological Survey of Canada, succeeding Dr. Selwyn, retired.

THE next annual meeting of the British Association for the Advancement of Science will be held at Ipswich, commencing on Wednesday, September 11th. Sir Douglas Galton is President-elect.

ACCORDING to the daily papers a party composed of Prof. Charles E. Hite, Alfred C. Harrison, Jr., Henry C. Walsh and Dr. J. Donnell McDonald sailed on Wednesday to Central America with a view to obtaining natural history and archæological collections. The expedition is under the auspices of the biological department of the University of Pennsylvania.

SCIENTIFIC JOURNALS.

AMERICAN CHEMICAL JOURNAL, JAN.

Contributions from the Laboratory of General Chemistry, University of Michigan:—(1) *On the Action of Chlorcarbonic Ester on Sodium Acetone*: By PAUL C. FREER. (2) *The Action of Metals on Nitric Acid*: By GEORGE O. HIGLEY. (3) *An Introductory Study of the Influence of the Substitution of Halogens in Acids, upon the Rate and Limit of Esterification*: By D. M. LICHTY. (4) *On the Action of Sodium on the Esters of Aconitic and Citric Acids*. Preliminary Notice, by PAUL C. FREER.

The Combination of Sulphur with Iodine: By C. E. LINEBARGER.

Contributions from the Chemical Laboratories of the Massachusetts Institute of Technology:—*An Investigation of the Twitchell Method for the Determination of Rosin in Soap*: By THOMAS EVANS and I. E. BEACH.

A Laboratory Method for the Preparation of Potassium Fericyanide: By M. S. WALKER. *Reviews*.

THE PHYSICAL REVIEWS, JAN.—FEB.

The Apparent Forces between Fine Solid Particles Totally Immersed in Liquids—I: W. J. A. BLISS.

The Distribution of Energy in the Spectrum of the Glow-lamp: EDWARD L. NICHOLS.

The Influence of Heat and the Electric Current upon Young's Modulus for a Piano Wire: MARY C. NOYES.

Minor Contributions: (1) *On Magnetic Potential*: FREDERICK BEDELL. (2) *A Method for the Study of Transmission Spectra in the Ultra-violet*: ERNEST NICHOLS. (3) *The Photography of Manometric Flames*: WILLIAM HALLOCK.

THE AMERICAN NATURALIST, JAN.

Birds of New Guinea: GEORGE S. MEAD. *Leuciscus Balteatus (Richardson), A Study in Variation*: CARL H. EIGENMANN.

On the Evolution of the Art of Working in Stone:
J. D. MCGUIRE.

Recent Books and Pamphlets; Recent Literature.

General Notes: Mineralogy. Petrography. Geography and Travels. Botany. Zoölogy. Embryology. Entomology. Psychology. Archaeology and Ethnology. Microscopy. Scientific News.

THE BOTANICAL GAZETTE, JAN.

Undescribed Plants from Guatemala and other Central American Republics, XIV. (With plates I-III.) JOHN DONNELL SMITH.

Notes from my Herbarium: WALTER DEANE.

The crystallization of cellulose. DUNCAN S. JOHNSON.

Noteworthy anatomical and physiological researches.

Briefer Articles; Editorial; Current Literature; Open Letters; Notes and News.

THE AMERICAN ANTHROPOLOGIST, JAN.

Stone Art in America: By J. W. POWELL.

The Huacos of Chira Valley, Peru: By SAMUEL MATHEWSON SCOTT.

Caste in India: By J. H. PORTER.

Micmac Customs and Traditions: By STANSBURY HAGER.

The Writings of Padre Andres de Olmos in the Languages of Mexico: By JAMES C. PILLING.

Chinese Origin of Playing Cards: By W. H. WILKINSON.

Col. Garriek Mallery, U. S. A.; an Obituary: By ROBERT FLETCHER.

Book Notices; Notes and News; Bibliography of Anthropologic Literature.

NEW BOOKS.

A Text-book of Organic Chemistry. A. BERNTHSEN. Translated by GEORGE MCGOWAN. London, Blackie & Sons; New York, D. Van Nostrand. 1894. Pp. xix + 596. \$2.50.

A Text-book of Mechanics and Hydrostatics. HERBERT HANCOCK. New York, D. Van Nostrand. 1894. Pp. v + 408. \$1.75.

A Treatise of Industrial Photometry with Special Application to Electric Lighting. A. PALAZ.

Translated from the French by GEORGE W. PATTERSON, JR., and MERIB ROWLEY PATTERSON. New York, D. Van Nostrand; London, Sampson Low, Marston & Co. Limited. 1894. Pp. vii + 322. \$4.00.

Proceedings of the International Electrical Congress held in the City of Chicago, August 21st to 25th, 1893. New York, American Institute of Electrical Engineers. 1894. Pp. xxiv + 487.

The Life and Writings of Rafinesque. RICHARD ELLSWORTH CALL. Louisville, Ky., Filson Club Publications, X. Quarto, pp. xii + 227.

History of Higher Education in Rhode Island. WILLIAM STOWE TOLMAN. Washington, Government Printing Office. 1894. Pp. 210.

The Birds of Eastern Pennsylvania and New Jersey. WITMER STONE. Philadelphia, Delaware Valley Ornithological Club. 1894. Pp. vi + 185.

An Illustrated Dictionary of Medicine, Biology and Allied Sciences. GEORGE M. GOULD. Philadelphia, P. Blackiston & Sons. 1894. xv + 1633.

Municipal Government in Great Britain. ALBERT SHAW. New York, The Century Co. Pp. 385. \$2.

Eine Discussion der Kräfte der Chemischen Dynamik. LUDWIG STETTENHEIMER. Frankfurt, H. Bechhold. 1895. Pp. 85. M. 6.

On the Origin of Language and The Logos Theory. LUDWIG NOIRÉ. Chicago, Open Court Publishing Co. 1895. Pp. 57. 15 cents.

Geological Survey of Alabama. EUGENE ALLEN SMITH. Montgomery, Alabama, The Brown Printing Co. 1894. xxiv + 759; also Geological Map of Alabama.

Freytag's Technique of the Drama. Translated by ELIAS J. MACEWAN. Chicago, S. C. Griggs & Co. 1895. Pp. ix + 366.

Social Growth and Stability. D. OSTRANDER. Chicago, S. C. Griggs & Co. 1895. Pp. 191. \$1.