

PROCEEDINGS

OF THE

AMERICAN PHILOSOPHICAL SOCIETY.

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VOL. VIII.

JULY—DECEMBER, 1861.

No. 66.

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*Stated Meeting, July 19, 1861.*

Present, seven members.

Professor CRESSON, Vice-President, in the Chair.

A letter, accepting membership, was received from Prof. Andreas Wagner, dated Munich, June 1, 1861.

Letters acknowledging the receipt and also the transmission of publications were received from the Horticultural Society at Berlin, dated Feb. 18, 1861, from the Royal Society at Göttingen, dated Oct. 6, 1860, and from the Royal Bavarian Academy at Munich, dated Dec. 20, 1860.

Letters announcing the transmission of publications were received from the Zoologico-Botanical Society at Vienna (requesting correspondence), dated April 11, 1861, from the Royal Russian Academy, dated Feb. 28, 1861, from the Imperial Austrian Academy, dated Feb. 26, and April 16, 1861, and from the Rhode Island Society for the Encouragement of Domestic Industry, dated Providence, July 2, 1861. The last also calling attention to a notice of the offer of premiums by the Society for the production of flax cotton.

On motion, the following societies were ordered to be placed on the list of corresponding societies: the Zoologisch-Botan-

ische Gesellschaft in Wien (to receive both the Transactions and the Proceedings: the Transactions as far back as they can be furnished); the Offenbacher Verein für Naturkunde at Offenbach am Maine (to receive the Proceedings); and the Rhode Island Society for the Encouragement of Domestic Industry (to receive the Proceedings).

Donations for the library were received from the Academies at Berlin, Vienna, Munich, and Philadelphia; the Society and University at Göttingen; from the Institutes at Salem and Philadelphia; the Astronomical Society at London; the Geographical Society and Bureau des Ponts et Chaussées at Paris; from the Zoologico-Botanical Society at Vienna; the Horticultural Society at Berlin; the Natural History Societies at Offenbach and Bonn; the Zoological Society at London; the Asylums for the Insane at Hartford and Concord; the American Oriental Society at New Haven; the Rhode Island Society for the Encouragement of Domestic Industry; the publishers of the American Journals of Science, and of the Medical Sciences; the American Colonization Society; from Prof. Alexander, of Baltimore; Mr. Janney, of Virginia; Mr. M. C. Lea, of Philadelphia; Prof. Jan, of Paris; and M. Justin Robin, of Caen, in France.

The Secretary announced the death of Don Angel Calderon de la Barca, formerly Spanish minister at Washington, and a member of the Society, at San Sebastian, on the 31st of May last, aged seventy years.

The Librarian laid before the Society a copy of the Proceedings No. 65, just published.

A paper was presented for publication in the Transactions by Dr. Leidy, in behalf of the author, entitled "On the Geology and Natural History of the Upper Missouri," which on motion of Mr. Fraley was referred to a committee, consisting of Mr. Lesley, Dr. Leidy, and Dr. Bridges.

A paper was presented for publication in the Transactions by Dr. Genth, through the Secretary, in behalf of the author, Mr. Ernest Häuser, deceased, late member of the Geological Survey of New Jersey, being his original notes, with illustrations of the structure and composition of some of the principal

mines in Northern New Jersey. On motion of Mr. Fraley the paper was referred to the same committee.

A paper was presented for publication in the Transactions by the Secretary, in behalf of the author, Dr. Tafel, of St. Louis, entitled "Phonology, or the Science of Elementary Sounds," being Part I, or an independent Introduction to an exhaustive analysis of the English language, especially as to the history of its literal pronunciation. On motion of Mr. Fraley the paper was referred to Dr. Coates, Prof. Coppée, and Prof. Alexander of Baltimore.

Dr. Bache alluded to the subject of spectrum analysis, and the results obtained by the spectroscope.

Mr. Lesley referred to Dr. Volger's discovery of the homocercal fishtail in the roofing slate of Caub, on the Rhine, and its bearing upon the development theory.

Professor Cresson exhibited and described a phonogrammatic system of telegraphic symbols, invented by Dr. Charles M. Cresson.

Pending nominations Nos. 423 and 424 were read.

The Librarian exhibited copies of the first division of the Catalogue, Class I, pp. 16-68, just printed.

And the Society was adjourned.

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*Stated Meeting, August 16, 1861.*

Present, five members.

Judge SHARSWOOD, Vice-President, in the Chair.

A letter, accepting membership, was received from Prof. D. Hyrtl, of Vienna, dated July 5, 1861.

A letter, resigning membership, was received from Dr. John J. Reese, of Philadelphia, dated August 12, 1861.

A letter, announcing a donation for the Library, was received from the Astor Library, dated July 29, 1861.

Letters acknowledging the receipt of publications were re-