



Stated Meeting, February 20th, 1874

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Franklin Institute ; American Journal of Pharmacy ; Penn Monthly ; the Department of the Interior ; the California Academy of Natural Sciences ; and Prof. S. S. Haldeman.

Prof. Cope offered for publication in the Transactions a paper entitled, "A Supplement to the Extinct Batrachia and Reptilia of North America."

On motion, the paper was referred to a Committee, consisting of Prof. Leidy, Dr. Newberry, and Mr. Lesley.

Dr. Genth communicated some valuable results of recent analyses of limonites and limestones of the Lower Silurian district of Centre, Blair, and Huntingdon Counties, Pennsylvania. (See page 84.).

Mr. Lesley communicated the results of his recent topographical and structural study of the same district.

Prof. Chase developed some views of the relationships existing between the velocity of light waves in ether, and the velocities of the sun and planets, entitled, "A note on the Origin of Attractive force, Identifying the Velocity of Primitive Gravitating Impulse with the Velocity of Light."

New nominations Nos. 745, 746, and 747 were read.

And the meeting was adjourned.

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*Stated Meeting, February 20th, 1874.*

Present, 18 members.

Vice-President, Mr. FRALEY, in the Chair.

Mr. Wootten, a newly elected member, was introduced to the presiding officer, and took his seat.

A letter of envoy was received from the American Institute of Mining Engineers, dated Feb. 12th, 1874.

Donations for the Library were received from the R. Prussian Academy ; Revue Politique ; London Nature ; Mr. A. J. Packard, Jr. ; Boston Soc. N. H. ; New York Lyceum ;

Franklin Institute; American Chemist; American Institute of Mining Engineers; Department of the Interior, U.S.; and Mr. G. R. Crotch, of Cambridge, Eng.

The Committee to which was referred the paper of Prof. Cope, entitled, "Supplement to the Extinct Batrachia," &c., reported in favor of its publication in the Transactions; which, on motion, was so ordered.

The death of Dr. Wm. Proctor, February 10th, at Philadelphia, aged 57, was announced by the Secretary.

Dr. Cresson exhibited the action of Thompson's Calorimeter, and stated the close coincidence of its results with those obtained by trial trips on the Pennsylvania Railroad.

Dr. Cresson exhibited the triangular piece of galvanized iron, once the pinnacle of a cowl on the roof of a building struck with lightning. The point had been melted and elongated upwards and inclined towards an approaching cloud, into which the discharge from the earth through the building took place.

The minutes of the last meeting of the Board of Officers and Members in Council were read.

Pending nominations Nos. 745, 746, 747 were then read.

Mr. Fraley reported that he had received the last quarterly interest on the Michaux legacy, due January 1st, through Drexel and Co.

Mr. Price reminded the Society that half of the interest is appropriated by act of the Society to the planting of the Michaux grove. During 1873 about \$300 has been spent in setting out about 100 foreign varieties of oak procured by Prof. Cresson.

Dr. LeConte suggested the future planting of such trees within the Zoological Grounds.

Dr. Horn stated that many of the foreign trees had already succumbed to the attacks of native parasites, two varieties of larvæ having been submitted to his inspection by the Chief of Park Police.

Dr. LeConte, referring to the well known fate of our foreign sycamores and lindens, urged the necessity of plant-

ing trees with the side to the sun which had been so situated in their native sites, and under similar conditions of growth otherwise, so as to reinforce their resisting powers.

Prof. Cope informed the meeting that Prof. Orton's expedition to the Upper Amazon, organized at Vassar College, New York, had returned with copious collections, zoological, botanical, mineralogical and archæological, having reached 17° S. latitude.

The meeting was then adjourned.

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*Stated Meeting, March 6th, 1874.*

Present, 11 members.

Secretary, Prof. KENDALL, in the Chair.

Donations for the Library were reported from the Societies at Moscow, Upsal, Görlitz, Emden, Erfurt, Frankfort on Main, Chemnitz, Bonn, Geneva, Liverpool, Bath, and Madison, Wis.; from the Academies at Berlin, Vienna, Brussels; from the Observatories at St. Petersburg and Upsal; from the Geological Institute at Vienna; School of Mines, and Revue Politique at Paris; Society of Arts and Institutions in Union, Astronomical Society, and Meteorological Office in London, London Nature; Prof. Cooke, of Cambridge; Public Library of New Bedford; Silliman's Journal; Journal of Pharmacy; Penn Monthly, Deaf and Dumb Institute, Hospital for the Insane, House of Refuge in Philadelphia; U. S. War Department; and Mr. George Davidson.

Dr. Allen offered for publication in the Transactions a memoir entitled "Life Forms in Art," with many illustrations, and described the subject and its treatment.

On motion, the paper was referred to a Committee consisting of Mr. Whitman, Prof. P. E. Chase, and Dr. Brinton.