

ite, surrounded with a belt of metamorphic azoic rocks. Resting unconformably upon them are a series of sedimentary beds inclining at various angles from either side of the granitic nucleus. Resting unconformably upon the azoic beds is the Potsdam sandstone with its characteristic fossils. This is the only member of the Silurian age represented in the Rocky Mountains. Next comes the limestones of the Upper Coal Measures, then the red beds of the Triassic, the Jurassic marls, cretaceous clays, and beds of both basins of the Tertiary Lignite and White Rivers. The evidence is clear that all these beds once extended uninterruptedly in a horizontal position over the area now occupied by the Black Hills.

And the Society was adjourned.

Special Meeting, February 19, 1867.

Present, twenty members.

Dr. WOOD, President, in the Chair.

The President stated that intelligence of the death of Professor Alexander Dallas Bache, on the 15th inst., had been received, and that he had convened this meeting for the purpose of taking such measures as might be deemed proper for the loss of so distinguished an associate, and to tender the use of the hall to the committee appointed by a meeting of the scientific, learned, and other bodies of the city, held at the Chapel of the University of Pennsylvania this day.

Mr. Fraley then reported to the Society the proceedings of said meeting, and gave a feeling and appropriate sketch of the life, character, and services of Prof. Bache, and offered the following resolutions, which were adopted:

Resolved, That a committee be appointed to prepare appropriate resolutions, expressive of the regret and sorrow of the Society at the loss it has sustained by the death of Alexander Dallas Bache.

Resolved, That the hall of the Society be placed at the disposal of the committee, this day appointed at a meeting held by the mem-

bers of the learned Societies and other bodies, for the reception and care of the remains of Prof. Bache, while they remain in this city.

Resolved, That the chair of the presiding officer, and the hall of the Society, be draped in mourning for the space of six months.

Resolved, That a committee of three be appointed to co-operate with the committee above named, in arranging for the reception and proper care of the body of Prof. Bache while it remains in the hall of the Society, and for making any arrangements for any funeral procession, if such should be deemed proper.

The committee appointed under the first resolution consisted of Mr. Fraley, Mr. Fisher, and Mr. Peale.

The committee appointed under the last resolution consisted of Mr. Cuyler, Mr. Price, and Mr. T. P. James.

And the Society was adjourned.

Stated Meeting, March 1, 1867.

Present, fifteen members.

Judge SHARSWOOD, Vice-President, in the Chair.

Dr. Harrison Allen, a recently elected member, was introduced and took his seat.

Letters were read from Dr. B. F. Shumard, dated St. Louis, February 20, 1867, acknowledging the receipt of notice of his election and of his acceptance of membership in the Society; also from the Academy of Sciences of Chicago, dated February 14; and from the Corporation of Yale College, February 16, each acknowledging the receipt of the Proceedings.

Donations to the Library were announced as follows: From the Imperial Society of Agriculture, &c., at Lille; from the Geographical Society at Paris; from the Royal Astronomical Society, London; from Dr. Jacob Bigelow, Boston; from the California Academy of Natural Sciences; from Dr. I. I. Hayes; from the Franklin Institute; and from P. W. Sheafer.

Mr. Fraley announced the death of Prof. Alexander Dal-



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