

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.

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*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. Sheaffer.

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

las Bache, which occurred on the 17th of February, 1867, in the 61st year of his age, and reported, on behalf of the committee appointed at the special meeting of the 19th ultimo, the following resolutions, which were adopted :

*Resolved*, That by the death of Alexander Dallas Bache, the American Philosophical Society has lost a member distinguished for his zeal in, and devotion to, the cause of Science, and for the excellency of his private life and character.

*Resolved*, That the reputation won by Professor Bache in the cause of education, and in extending the whole realms of science and useful knowledge is a source of honorable gratification to his friends and associates, and is to be most highly prized as a matter of national pride, and as placing our country, in these respects, on an equality with any other in the world.

*Resolved*, That the termination of the life of such a man is deeply to be mourned, for it rarely happens that so much mental strength and such stores of knowledge are combined with such winning manners, such delicate and profound discrimination in the choice of men and places, and such great executive ability in accomplishing results and awarding to every colaborer his full measure of appreciation and honor.

*Resolved*, That this Society, connected as it has been with him from his early manhood until his death, and having had the benefit of his services and counsel in an eminent degree during nearly the whole of that period, is especially called upon to deplore his loss, and to perpetuate on its records the memory of one so wise and good, and to keep him constantly in remembrance as an example worthy of general imitation.

*Resolved*, That a member be appointed to prepare an obituary notice of Professor Bache for publication in the Proceedings of the Society.

*Resolved*, That the officers of the Society be requested to forward a copy of these proceedings, and of those of the 19th ultimo, to the widow of Professor Bache, and to express our cordial sympathy with her in the great bereavement with which she has been visited.

On motion of Prof. Frazer, Mr. Fraley was appointed to prepare the obituary notice.

Mr. Marsh read from a letter of Mr. A. S. Herschel, a very interesting notice of an examination of the spectra of

meteors, made on the 10th of August, and the 14th of November last.

Mr. Chase made some remarks on the same subject.

Mr. Cresson called the attention of members to the remarkable rise of the barometer on the 10th and 11th of February, the highest point reached on the 11th A.M., being 31''20.

He considered this great synclinal wave to be the indication of the approach of a northeast storm of unusual magnitude. Such a storm in fact set in within thirty hours after the maximum barometer rise, and it has prevailed to the present time, say for seventeen days, and does not appear to be yet ended, as the barometer remains above the mean level and easterly winds prevail.

The storm is of unusual extent, commencing west of the Rocky Mountains, and reaching nearly all latitudes in the United States.

Mr. Cresson stated that according to his observations, covering more than a quarter of a century, our northern storms are always preceded by a rise of the barometer and a remarkably transparent atmosphere. After the centre of the storm has passed, the barometer usually falls somewhat suddenly, the wind veers to west and northwest, with cool and very dry air.

Every great rise of the barometer is not always the precursor of a northeast storm. Such a synclinal wave sometimes results from other causes, and is then accompanied by extreme cold and dryness, such as would result from a down-flow of air from a very high and cold region. An instance of this kind occurred on the 7th of January, 1866. Thermometer, 18°. Barometer, 31''10.

Pending nomination Nos. 568, and new nominations Nos. 569 to 572, were read.

On motion of Mr. Fraley, the Secretary was instructed to furnish the Royal and National Library of the Kingdom of Bavaria, at Munich, with a copy of the new series of the Transactions, and the Proceedings.

Mr. P. E. Chase was added to the Committee of Indian Photographs.

And the Society was adjourned.

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*Stated Meeting, March 15, 1867.*

Present, thirteen members.

Dr. WOOD, President, in the Chair.

Letters were read from Dr. Joseph Leidy, accompanying a description and an analysis, by Dr. J. Lawrence Smith, of a Meteorite, belonging to the American Philosophical Society, deposited with other minerals in the collection of the Academy of Natural Sciences of Philadelphia; from Dr. B. F. Shumard, St. Louis, March 4, 1867, inclosing his photograph; from the Ordnance Department, Southampton, England, 18th February, 1867; also from the Essex Institute, Salem, Mass., December 19, 1866, accompanying a prospectus of the American Naturalist, and requesting brief reports of the proceedings of the Society for publication therein.

Donations to the Library were announced as follows: From the Essex Institute; from the Department of State at Washington; from the Managers of the Philadelphia Gas Works; from the College of Pharmacy; from Thomas C. Amory, Boston; and from the publishers of the Medical News and Library.

Prof. Cresson announced the death of Prof. John H. Alexander, a member of the Society, at Baltimore, on the 2d inst.

The death of Prince Maximilian Zu Weid, as occurring in the 85th year of his age, on the 3d of February, was announced.

The following communication was read from Dr. J. Lawrence Smith, of Louisville, Kentucky:

*A new Meteoric Iron from Mexico.*

A fragment of this meteoric mass was placed in my hands by Dr.