

*Resolved*, That in this event we recognize with profound emotion the dispensation of Divine Providence, which has unexpectedly deprived the Society of one of its most distinguished members, and the nation of a jurist, patriot, statesman, philanthropist and Christian; whose name, when the course of time is run, the final history of the American Republic shall have been written, shall be classed with those of Washington and Lincoln, and of all those eminent men who by Providence have been raised up for special crises of the Republic, and endowed with extraordinary qualifications for national and extreme emergencies, and as such his memory will be cherished by this Society.

*Resolved*, That as a token of our deep sense of the solemnity of this event, and of our great esteem for our departed associate, the Society now adjourn.

*Resolved*, That a copy of these Resolutions be conveyed to the bereaved and deeply afflicted relatives.

45TH MEETING.

MAY 17, 1875

The President in the Chair.

Mr. J. J. WOODWARD read a portion of a letter from Dr. B. G. Gould, Director of the National Observatory at Cordoba, giving an account of the progress of his astronomical work.

Mr. C. S. PEIRCE made a communication

ON LOGICAL ALGEBRA.

(This paper is published in full in the *Memoirs of the American Academy of Arts and Sciences.*)

Mr. A. HALL read a paper

ON THE RECTILINEAR MOTION OF A PARTICLE TOWARDS AN ATTRACTING CENTRE.

(This communication is published in the "*Messenger of Mathematics*," Part 1873.)

Mr. G. K. GILBERT read a paper

ON THE USE OF THE GARDENS OF THE COLORADO FOR WEIGHING THE EARTH.