Mr. S. H. Scudder showed two plates of figures illustrating fossil insects from the Green River shales of Colorado, and said that the basin of Florissant, whence these fossils are obtained, is filled with volcanic ash and volcanic sand. Dr. H. A. Hagen gave some account of his recent studies upon the larvae of Agrionina, and mentioned that the larva of Blepharocera [a dipteran] had been discovered. Mr. S. H. Scudder said that he had finished the preparation of a paper on Retinia frutrena, which is destroying Pinus rigida on the island of Nantucket, Mass. He finds that the moth has two broods in a year.

14 May 1880. — 68th meeting. Mr. S. H. Scudder described the formation and character of the insect-bearing peat-beds of Nantucket, ... and gave notice that Mr. Whitman, residing at No. 6, Kaga Yashiki, Hago, Japan, wishes to exchange Japanese insects for others ....

11 June 1880. — 69th meeting. Mr. S. H. Scudder said that on 5 June he found the imagos of Retinia frutrena in innumerable abundance at Nantucket, and noticed in them a habit directly contrary to one he had noted on a previous visit in May. On the previous visit, when nearly all the specimens were males, they alighted on the tip of a needle of the pine, ran down to the brown part of the twig, and then placed themselves in a position transverse to the twig. At this time (June), when nearly all the imagos were females, they alighted at the base of the needles, ran thence to the tip, and rested longitudinally upon the needle. Mr. Scudder sought in vain for the eggs, which are probably laid between the leaf-scales, near the tip of the shoot, and thinks the time of laying may be later. He obtained eggs by confusing the imago in a pill-box. At the end of September 1878 about a half of the insects were larvae and about a half were pupae. The imagos appeared in the latter part of April and early part of May. The corresponding European species, Retinia duplana, which injures Pinus sylvestris, develops into pupae rapidly in the spring, but the pupae lie eight months undeveloped, according to Ratzeburg.

B. Pickman Mann,
Secretary.