THE AMERICAN CHEMICAL SOCIETY.

XXXVI.—Proceedings.

Regular Meeting, Thursday, September 9th, 1880.

Prof. A. R. Leeds in the chair. Twelve members only being present, no regular business was transacted.

The following paper was read: 1. "On the Effect of Change of Density in Alum Purpurine Solutions on the Absorption Bands," by Prof. Henry Morton.

In the discussion which followed, Prof. Morton said that he had used alum labelled "pure," which contained free sulphate of alumina; the alumina precipitated the purpurine, forming a lake; therefore it was necessary to crystallize the alum to purify it. He also remarked that in using the cylindrical bottle, to concentrate the rays of light on the spectroscope, the bands are displaced towards the red end of the spectrum: In two cases the observations were: 50°26′ and 50°27′, when cold, and 50°20′ and 50°21′, when hot. Prof. Morton remarked, further, that the heat employed in his experiments did not destroy the purpurine.

The Recording Secretary then read the following paper: 2. "On Arita Porcelain," by N. Matsui, Ph.D., Tokio, Japan.* In connection with the analyses given in this paper, Prof. Leeds suggested that the lime should have been incorporated with the results of the calculations for feldspar, as it is almost always present in these minerals.

After which the minutes of the meeting of the Board of Directors, held Sept. 8th, 1880, were read; also the report of the Committee, on the informal meeting held in Boston.

After which the meeting adjourned.

ARTHUR H. ELLIOTT,
Recording Secretary.

* See this Journal, **2**, 315.