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TORTRICIDÆ.

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The present is the first of a series of papers on the *Tortricidæ* of North America which the writer hopes to be able to prepare from the material now in hand, and collections that may be made hereafter by Entomologists in various parts of the country.

I was first led to the study of the *Tortricidæ* by the advice of Mr. A. R. Grote, who, with a generosity rarely met, placed his entire collection of Tortricids in my hands to work up, and further gave me his collection of European *Tortricidæ* for comparison, and loaned me his types for study. I fear I may never be able to make anything like an adequate return to this gentleman who has placed me under so great obligations.

I am very deeply indebted to Mr. E. T. Cresson, of Philadelphia, who gave me every facility for a careful and critical study of the types of Clemens, and also those of Robinson. I think it would have been impossible to have recognized some of Clemens' species without having seen his types. Some of his descriptions were made from very much damaged and mutilated specimens, others from single specimens which prove to belong to very variable species, and his descriptions in some instances are insufficient. Dr. Clemens' great mistake was in attempting to make descriptions from imperfect and insufficient material. His genera have also proved a stumbling block to those who have attempted to make out his species. Notwithstanding, this pioneer student of the North American *Tortricidæ* did an admirable work, and his papers will remain a monument to his zeal in the study of Entomology.

It is useless to deplore that he did not have access to the works of the continental authors; had he lived to revise his work, no doubt it would