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Meighan I. Dillon* (mdillon@spsu.edu), Mathematics Department, SPSU, 1100 S. Marietta Pkwy, Marietta, GA 30060. *The Elements of Euclid*.

The Elements of Euclid, dating to around 300 BC, has been in continuous use since it was written. It is arguably one of the most influential texts in history. A codification of geometry and arithmetic as known in 300 BC and as taught at Plato's Academy at the time, The Elements remains a masterpiece of clarity and beauty.

This talk is concerned with the place of The Elements in the history of pure mathematics. A culmination of 300 years of Greek thought, The Elements ushered in a modern age in mathematics, starting a thread that runs strong and clear into the 21st century. In this talk, we examine how Euclid's Elements has not only survived 2300 years but has remained a vital source for teaching and learning. (Received September 08, 2009)