

Meeting: 1003, Atlanta, Georgia, MAA CP H1, MAA Session on History of Undergraduate Mathematics in America, 1900–2000

1003-H1-26 **George M. Rosenstein*** (george.rosenstein@fandm.edu), 644 State St., Lancaster, PA
17603-2641. *Calculators for a New Century*.

One of the unusual features of the 1904 edition of Granville's calculus, a book I have described as the first 20th century calculus text, is a final chapter called "Integraph. Table of Integrals." In this chapter, Granville describes the theory and operation of a machine that draws integral curves by tracing a given curve. Later editions describe not only the Integraph, but also polar planimeters. By the 1941 edition, this material had disappeared. I will examine the operation of the relatively simple Integraph and speculate on the reasons for its inclusion in the text. (Received May 27, 2004)