

1145-01-1623 **Peggy Aldrich Kidwell*** (kidwellp@si.edu). *My Computing Device – A Mathematical Perspective.*

Mathematically minded people in the United States have long invented, used in their work, and personally owned computing devices. Those most common in the early nineteenth century were educational aids such as the blackboard, the teaching abacus or numeral frame, and simple geometrical solids. At mid-century, some proposed and a few purchased machines that carried out arithmetic mechanically. These would be quite common by 1900, used to produce mathematical tables and to solve routine arithmetic problems. The handheld slide rule also became popular among mathematicians, engineers, and scientists. A few early twentieth century statisticians embraced tabulating equipment, while some number theorists devised their own machines and, at midcentury, embraced the newly invented mainframe computer. However, it would only be with the advent of microcomputers, often linked to linked to one another, that computers came to play a general role in mathematical research, communication, publication, graphics, and modelling. (Received September 23, 2018)