

# **From Gutenberg to the Internet**



Pres Eckert (center left) and John Mauchly (center right) working with the ENIAC, the first large-scale general-purpose electronic digital computer, from which all later electronic digital computers descend. Also visible in the photograph (left to right) are Pfc. Homer Spence, Elizabeth Jennings, Herman H. Goldstine and Ruth Lichterman. First operational in May 1945, the ENIAC was announced to the public in February 1946. From 1945 to 1948 it was the only operating electronic digital computer in the world. It weighed 30 tons, contained 18,000 vacuum tubes, 70,000 resistors, 10,000 capacitors, 6000 switches, and 1500 relays, and required 174 kilowatts to run. (Photograph used by permission of the University of Pennsylvania's School of Engineering and Applied Science.)

# **From Gutenberg to the Internet**

A Sourcebook on the History of Information Technology

Edited, with an Introductory Essay  
and an Annotated Timeline

by

Jeremy M. Norman

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*For Alexandra and Max,  
who never knew the world  
before the Internet.*



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