

PONDERABLES

100 INVENTIONS
THAT CHANGED HISTORY

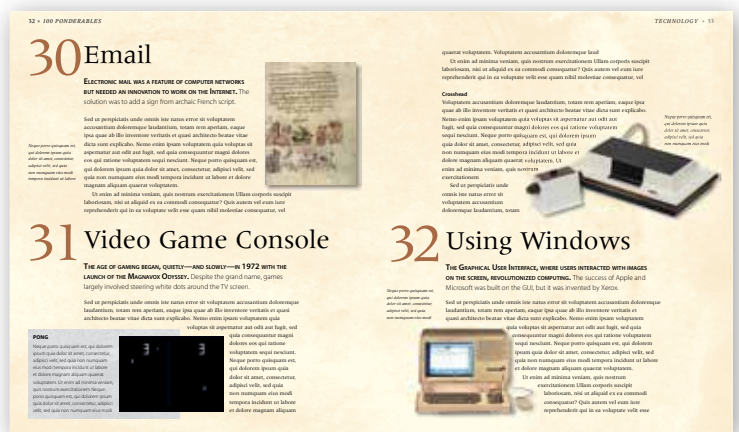
TECHNOLOGY

AN ILLUSTRATED HISTORY OF MACHINES FROM STONE AXES TO ROBOTICS

Tom Jackson

Here is the essential guide to the history of technology, an authoritative reference book and timeline that examines how tools have built our civilization, changed our environment, and could even alter our species. The term technology is frequently associated with modernity and the possibilities of the future. However, we have been using technologies since before the dawn of history. Even then we were machine builders. A neolithic hand axe is a wedge-shaped cutter that works in essentially the same way as a razor blade, while a potter's wheel is the same as the gear transmission of a Formula-1 car. The difference is simply the application of novel materials, and the many ages of technology are closely linked to them—bronze, iron, steel, glass, silicon... What will be the materials of tomorrow's technology? Superconductors that carry current with perfect efficiency, smart materials that alter their shapes to suit the conditions, or nanorobots built from just a few dozen atoms, that work unseen everywhere, even inside our bodies? Only time, and a lot of invention, will tell.

- ◆ Contains 100 chronological articles that tell the story of technology from the dawn of history to the present day.
- ◆ Authoritative text, exciting imagery and helpful diagrams accompany each of the steps along the way.
- ◆ Biographies of great inventors boosts the contents for all readers.
- ◆ 100 Ponderables also contains a 24-page removable foldout concertina neatly housed at the back of the book. This fold-out concertina includes a 12-page **Timeline History of Technology** and 12 pages of schematic diagrams of significant technological processes such as iron refining, silicon etching and electrolysis.



Specifications
Trim page size: 275 x 230mm (9.25 x 11.20) portrait
Extent: 144-page book plus a 12-page removable fold-out timeline and 12 pages of schematic diagrams of significant technological processes such as iron refining, silicon etching and electrolysis
 55,000 words.
Illustrations: approx. 300
Publication date: Fall, 2018
Paper for text: 157 gsm matt art
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