Contents

Phaedrus
Plato

Politics
Aristotle

Economy of Expenditures I and II
Mo Tzu

Argument: The Pre-Eminence of Tao
Chuang Tzu

City of God
Augustine of Hippo

New Atlantis
Francis Bacon

Wealth of Nations
Adam Smith

Debate on the Frame-Work Bill, in the House of Lords, February 27, 1812
Lord Byron

The Philosophy of Manufactures, 1835
Andrew Ure

The Machine versus the Worker
Karl Marx

i

iii
Darwin among the Machines 53
Samuel Butler

Works and Days 59
Ralph Waldo Emerson

My Watch: An Instructive Little Tale 71
Mark Twain

The Machine Stops 77
E. M. Forster

The Instinct of Workmanship 101
Thorstein Veblen

The Monastery and the Clock 119
Lewis Mumford

Buddhist Economics 125
E. F. Schumacher

Do Artifacts Have Politics? 133
Langdon Winner

How the Refrigerator Got Its Hum 151
Ruth Schwartz Cowan

The Moral Significance of the Material Culture 167
Albert Borgmann

Technology, Demography, and the Anachronism of Traditional Rights 175
Robert E. McGinn

Computers, Thinking, and Schools in the “New World Economic Order” 193
Monty Neill
Why the Future Doesn’t Need Us  
*Bill Joy*

Promise and Peril: Genetics, Nanotechnology, and Robotics in the 21st Century  
*Ray Kurzweil*

The Prolongation of Life  
*Francis Fukuyama*

The Internet and Social Life  
*John A. Bargh and Katelyn Y. A. McKenna*

Questioning Surveillance and Security  
*Torin Monahan*

From Women and Technology to Gendered Technoscience  
*Judy Wajcman*

Icarus 2.0: A Historian's Perspective on Human Biological Enhancement  
*Michael Bess*