

Contents

<i>Making Europe: An Introduction to the Series</i>	ix
<i>Acknowledgements</i>	xvii
Introduction	1
Part I Cultivating Experts, Ordering Knowledge	
1. Educating Experts	21
Technical Education as a Strategic Issue	28
Copying & Circulating Educational Models	32
The Quest for Respect	39
Engineers as Experts	50
2. Technical Experts as New National Elites	55
Old Regimes & New Elites	59
Heralds of the Nation	65
Reinventing the Nation in War & Crisis	70
3. Architectures of Knowledge	79
Orders of Knowledge: Mundaneum	87
Visual Education: Isotype	97

Standardizing Knowledge: Wilhelm Ostwald	102
The Social Promise of Technology	107
Part II Endangered Experts, New Social Orders	
4. Expertise with a Cause	115
Rationalizing the Factory & Beyond	125
Transatlantic Fordism	132
Self-Empowerment & Social Engineering	139
5. Faustian Bargains in Totalitarian Europe	143
Hitler's Mastermind of Annihilation: Konrad Meyer	147
Best Man: Guglielmo Marconi & Benito Mussolini	154
Stalin's Rainmaker: Trofim Lysenko	161
Experts in the Age of Extremes	169
6. Experts in Exile	177
Stalin's Operation Osoaviakhim	177
Intellectual Reparations	179
Émigré Experts as Agents of Modernity	187
Émigré Experts as an Endangered Species	195
Forced Migration & New Knowledge Orders	197
Part III Cooperating Experts, Building Institutions	
7. Geographies of Cooperation in Nuclear Europe	205
The European Super Machine	205
Europe's Model of Technoscientific Collaboration	208
Ways of Collaborating in Nuclear Europe	216
Breeding & Fusing Europe	229
The Multiple Geographies of Europe	238
8. Contesting Europe in Space	243
Space Europe Eastern Mode: Interkosmos	243
A Fragmented Europe: ELDO	247
Space Europe Western Mode: ESA	260
Towards European Integration in Space	264
9. Experts' Europe from a Bird's-Eye View	277
Lisbon 2000: Building Europe on Knowledge	277
Flying High: Is there a European Knowledge Society?	280
Flying Low: Are there European Expert Communities?	287

Conclusion	299
<i>Endnotes</i>	313
<i>Bibliography</i>	335
<i>Illustration Credits</i>	369
<i>Making Europe: Series Acknowledgements</i>	375
<i>Index</i>	377