

## CONTENTS

INTRODUCTION: THE KNOWLEDGE MACHINE	I
-------------------------------------	---

### I. THE GREAT METHOD DEBATE

1. Unearthing the Scientific Method	13
2. Human Frailty	41
3. The Essential Subjectivity of Science	66

### II. HOW SCIENCE WORKS

4. The Iron Rule of Explanation	89
5. Baconian Convergence	105
6. Explanatory Ore	120
7. The Drive for Objectivity	152
8. The Supremacy of Observation	173

### III. WHY SCIENCE TOOK SO LONG

9. Science's Strategic Irrationality	201
10. The War against Beauty	209
11. The Advent of Science	239



# IV. SCIENCE NOW

12. Building the Scientific Mind	255
13. Science and Humanism	269
14. Care and Maintenance of the Knowledge Machine	278

ACKNOWLEDGMENTS	291
GLOSSARY OF NOVEL TERMS	293
NOTES	295
REFERENCES	321
LIST OF ILLUSTRATIONS	331
INDEX	335