

Studies in the Philosophy of Science

Contents

Preface

Chapter 1:	DOES INFERENCE TO THE BEST EXPLANATION WORK?	1
Chapter 2:	FUNDAMENTAL PROBLEMS IN THE THEORY OF SCIENTIFIC EXPLANATION	13
Chapter 3:	TECHNOLOGICAL ESCALATION AND THE EXPLORATION MODEL OF NATURAL SCIENCE	31
Chapter 4:	THE LAW OF LOGARITHMIC RETURNS	41
Chapter 5:	SOME ISSUES REGARDING THE COMPLETENESS OF SCIENCE AND THE LIMITS OF SCIENTIFIC KNOWLEDGE	57
Chapter 6:	BAFFLING PHENOMENA	83
Chapter 7:	FINITUDE AND LIMITATIONS (UNREALIZABLE ASPIRATIONS AND LIMITS OF KNOWLEDGE)	97
Chapter 8:	THE UNPREDICTABILITY OF FUTURE SCIENCE	115
Chapter 9:	CAN COMPUTERS OVERCOME OUR LIMITATIONS?	131
Chapter 10:	MEANINGLESS NUMBERS	157
Chapter 11:	CREDIT FOR MAKING A DISCOVERY	181

Chapter 12: THE ETHICAL DIMENSION OF SCIENTIFIC RESEARCH	201
Chapter 13: MORAL ISSUES RELATING TO THE ECONOMICS OF NEW KNOWLEDGE IN THE BIOMEDICAL SCIENCE	219
Index of Names	231