Contents

Translator's Introduction

Part I	
The Ambiguous Meaning of the Heavens	
Introduction	3
I Cosmos and Tragedy	8
2 The Heavens as a Cave	22
3 At the End of the Observer in Repose	35
4 The Nonsimultaneity of the Simultaneous	52
5 The View of the Heavens and Self-Consciousness	65
6 Pure Intuition as an Anthropological Utopia	81
7 The Heavens as Charming Landscape; Photography and Anthropomorphism	91
8 Anachronism as a Need Founded in the Life-World: Realities and Simulation	109
Part II	
The Opening Up of the Possibility of a Copernicus	
1 The History of What Led Up to the Event as Conditioning the History of Its Effects	123

ix

Contents

2 Loosening of the Systematic Structure through Exhaustion of What the System Can Accomplish	135
3 Transformations of Anthropocentrism	169
4 Humanism's Idealization of the Center of the World	200
	200
5 The Intolerability of Forgoing Truth in Favor of Technique	209
6 A Hypothetical Account of the Way Copernicus Arrived at His Theory	230
Part III	
A Typology of Copernicus's Early Influence	
Introduction	259
1 The Theoretician as 'Perpetrator'	264
2 Consequences of an Instance of Well-Meaning Mis- guidance: Osiander	290
3 The Reformation and Copernicanism	316
4 Perplexities of Copernicus's Sole Student: Joachim Rheticus	336
5 Not a Martyr for Copernicanism: Giordano Bruno	353
6 Experiences with the Truth: Galileo	386
Part IV	
The Heavens Stand Still and Time Goes On	
Introduction	433
l How the Movement of the Heavens Was Indispensable for the Ancient Concept of Time	437
2 How Antiquity's Concept of Time Did Not Fit in the Middle Ages	453
3 The Perfection of the Earth as a New Precondition for the Old Concept of Time	488
4 The Deformation of the Earth and Absolute Time	504

Part V

The Copernican Comparative	
Introduction	525
1 Perspective as the Guide for Cosmological Expansion	530
2 The Copernican System as a Prototypical Supersystem	540
3 A Retrospect on Lambert's Universe, from the Twentieth Century	565
4 Competing Proposals for the System of Systems: Kant and Lambert	573
5 What Is "Copernican" in Kant's Turning?	595
Part VI	
Vision in the Copernican World	
Introduction	617
1 How Horizons of Visibility Are Conditioned by Views of Man	622
2 The Proclamation of the New Stars, and One Single Person's Reasons for Believing It	644
3 The Lack of a 'Paratheory' to Explain Resistance to the Telescope	657
4 Reflexive Telescopics and Geotropic Astronautics	675
Translator's Notes	687
Author's Notes	709
Name Index	767