

Barry Smith, Editor

Parts and Moments
Studies in Logic and
Formal Ontology

Authors:

Wolfgang Künne
Kevin Mulligan
Gilbert T. Null
Peter M. Simons
Roger A. Simons
Barry Smith
Dallas Willard

Philosophia Verlag • München • Wien

Contents

Preface	13
Barry Smith and Kevin Mulligan	
Pieces of a Theory	
§ 1 From Aristotle to Brentano	15
§ 2 Stumpf's Theory of Psychological Parts	25
§ 3 Husserl's 3rd Logical Investigation: The Formal Ontology of the Part-Whole Relation	3 5
§ 4 The Theory of Material <i>A priori</i> Structures; Phenomenology and Formal Ontology	45
§ 5 The Influence of the <i>Logical Investigations</i> on Logical Grammar and Linguistics. Husserl and Lesniewski	55
§ 6 Further Developments: Kohler, Lewin, Rausch	65
Notes	92
Peter M. Simons	
Three Essays in Formal Ontology	
Prefatory Note	111
I. The Formalisation of Husserl's Theory of Wholes and Parts	
§ 1 Introduction	113
§ 2 Problems of Formalisation	117
§ 3 Husserl's Basic Concepts: Whole and Foundation	121
§ 4 Dependence	133
§ 5 Husserl's Six Theorems	142
§ 6 Applications	147
§ 7 Relations and Foundation	151
Notes	155
II. Number and Manifolds	
§ 1 Introduction: The Philosophy of Number	160

§ 2	Frege's Criticisms of Manifold Theories	161
§ 3	Plural Terms and their Designata: Manifolds	164
§ 4	Against the Group Theory of Number	168
§ 5	Counting and the Mereological Properties of Aggregates	177
§ 6	One and Zero	185
§ 7	There are no Second-Order Manifolds	187
	Notes	195
III. Plural Reference and Set Theory		199
§ 1	Classes as Many and as One: Historical Remarks	200
§ 2	Linguistic Phenomenology of Plural Reference	206
§ 3	Problems of Formalisation	215
§ 4	Axiomatisation of Manifold Theory	220
§ 5	Some Comparisons	236
§ 6	Sets as Representatives of Classes	244
§ 7	Concluding Remark	249
	Notes	250
	Bibliography	256

Eugenie Ginsberg

On the Concepts of Existential Dependence and Independence

	Editorial Note by P. M. Simons	261
§ 1	Analysis of Stumpfs Definitions	266
§ 2	Analysis of Hofler's Definitions	267
§ 3	Analysis of Twardowski's Definitions	269
§ 4	Husserl's Definitions	271
§ 5	Analysis of Husserl's Definition of Dependence in Application to Objects	272
§ 6	Analysis of Husserl's Definitions of Dependence in Application to Parts	274
§ 7	Analysis of Another Husserlian Definition of Dependence	275
§ 8	Analysis of Husserlian Definitions of Independence	276
§ 9	An Attempt to Define Dependence and Independence	277
§ 10	Possible Classifications of Dependence and Independence	279
§ 11	Elements of the Relation of Dependence	281
§ 12	Conclusion	282

Notes	283
Bibliography	286

Barry Smith

Introduction to Adolf Reinach

On the Theory of the Negative Judgment

§ 1 Kant and Hume on the Material <i>A priori</i>	289
§ 2 The Philosophy of <i>Sachverhalte</i>	293
§ 3 The Theory of Social Acts	297
§ 4 On the Nexus of Representation	303
Notes	308

Adolf Reinach

On the Theory of the Negative Judgment

I. Investigations of Judgment in General	
§ 1 The Ambiguity of the Term 'Judgment'	315
§ 2 The Sphere of Conviction and the Sphere of Assertion	317
§ 3 Acts of Presentation and Acts of Meaning	321
§ 4 The Independence of Meaning and Intuition	325
§ 5 Judgment and Presentation (Critique of Brentano)	328
II. States of Affairs	
§ 6 Positive and Negative Position-Takings	332
§ 7 The Objectual Correlates of Judgments: Judgments and Relations	334
§ 8 States of Affairs as Objectual Correlates of Assertion and Belief	336
§ 9 Further Characteristics of States of Affairs	338
§ 10 The Apprehension of States of Affairs: Judgment vs. Apprehension	341
§ 11 States of Affairs and Relations	345
§ 12 On Impersonalia	346
§ 13 Negative Conviction	351
III. Negative States of Affairs and the Sphere of Assertion	
§ 14 The Character of the Assertive Sphere: Simple and Polemical Negative Judgments	355
§ 15 Cognitive Functions: 'And', 'Hence' and 'Not'	358

§ 16	The Moment of Assertion	361
§ 17	The Pure Logic of Emphasis	363
§ 18	<i>Sachverhaltselemente</i> (The Elements of States of Affairs)	366
IV. The Locus of Negation		
§ 19	Subjective and Objective Aspects of Negative Judgments	369
§ 20	Negation of the Predicate and of the Copula: The Doctrine of Infinite Judgments	370
§ 21	Concluding Remarks	371
	Notes	372
	Bibliography	376

Dallas Willard

Wholes, Parts and the Objectivity of Knowledge

§ 1	Ontology Presupposed in Epistemology	379
§ 2	Three Aspects of the Objectivity of Knowledge	380
§ 3	Husserl's First Problem: The Objectivity of Formal Methods in Arithmetic	382
§ 4	The Problem Generalised	383
§ 5	Transcendence Becomes the Main Issue	387
§ 6	The Beginnings of a Solution	389
§ 7	Wholes, Parts and Properties in the Objectivity of Knowledge	396
	Notes	398
	Bibliography	400

Wolfgang Künne

Criteria of Abstractness. The Ontologies of Husserl, Frege and Strawson against the Background of Classical Metaphysics 401

§ 1	Non-Perceptibility (First Platonic Demarcation-Proposal)	402
§ 2	Unchangeability (Second Platonic Demarcation-Proposal)	406
§ 3	Non-Reality (Frege's Criterion and the Category of Individual Moments)	413

§ 4 Individual Moments and Properties: Husserl's Aristotelianism	419
§ 5 Sense-Determinate Singular Terms (Strawson's Demarcation-Proposal)	424
Notes	432
Bibliography	435

Gilbert T. Null and Roger A. Simons

Manifolds, Concepts and Moment-Abstracta

§ 1 Introduction	439
§ 2 Isomorphism Types	446
§ 3 Manifolds	448
§4 Further Aspects of Manifold Theory	455
§ 5 Interpreting Whole-Part Notions in Manifold Theory	464
§ 6 Ontology and Epistemological Interpretations of Manifold Theory	473
Bibliography	479

Barry Smith

Annotated Bibliography of Writings on Part-Whole Relations since Brentano	481
--	-----

Index	553
--------------	-----