

Contents

Part 1 Paul Hertz (1922)

- Paul Hertz and the Origins of Structural Reasoning** 3
Javier Legris
- On Axiomatic Systems for Arbitrary Systems of Sentences** 11
Paul Hertz

Part 2 Paul Bernays (1926)

- Paul Bernays and the Eve of Non-standard Models in Logic** 33
Walter Carnielli
- Axiomatic Investigations of the Propositional Calculus of the “Principia
Mathematica”** 43
Paul Bernays

Part 3 Alfred Tarski (1928)

- Tarski’s First Published Contribution to General Metamathematics** 59
Jan Zygmunt
- Remarks on Fundamental Concepts of the Methodology of Mathematics** 67
Alfred Tarski

Part 4 Kurt Gödel (1933)

- On Gödel’s Modal Interpretation of the Intuitionistic Logic** 71
Itala M. Loffredo D’Ottaviano and Hércules de Araújo Feitosa
- An Interpretation of the Intuitionistic Propositional Calculus** 89
Kurt Gödel

Part 5 Louis Rougier (1941)

- An Early Defence of Logical Pluralism: Louis Rougier on the Relativity of Logic** 93
Mathieu Marion

The Relativity of Logic	101
Louis Rougier	
Part 6 Haskell B. Curry (1952)	
Logical Algebras as Formal Systems: H.B. Curry's Approach to Algebraic Logic	125
Jonathan P. Seldin	
Lessons on Algebraic Logic. Introduction and Chapters I and II	133
Haskell B. Curry	
Part 7 Jerzy Łos and Roman Suszko (1958)	
Structural Consequence Operations and Logical Matrices Adequate for Them	163
Jan Zygmunt	
Remarks on Sentential Logics	177
Jerzy Łoś and R. Suszko	
Part 8 Saul Kripke (1963)	
'Rolling Down the River': Saul Kripke and the Course of Modal Logic	187
Johan van Benthem	
Semantical Considerations on Modal Logic	197
Saul A. Kripke	
Part 9 Jean Porte (1965)	
Formal Systems As Structures—A Bourbachic Architecture of Logic	211
Marcel Guillaume	
Researches in the General Theory of Formal Systems and in Connective Systems. Chapter 1	223
Jean Porte	
Part 10 Per Lindström (1969)	
Lindström's Theorem	231
Jouko Väänänen	
On Extensions of Elementary Logic	237
Per Lindström	
Part 11 Stephen L. Bloom, Donald J. Brown and Roman Suszko (1970)	
Bloom, Brown and Suszko's Work on Abstract Logics	251
Ramon Jansana	
Some Theorems on Abstract Logics	257
Stephen L. Bloom, D.J. Brown, and R. Suszko	

Part 12 Dana Scott (1974)

- Dana Scott's Work with Generalized Consequence Relations** 263
Lloyd Humberstone
- Completeness and Axiomatizability in Many-Valued Logic** 281
Dana Scott

Part 13 J.A. Goguen and R.M. Burstall (1984)

- Three Decades of Institution Theory** 309
Răzvan Diaconescu
- Introducing Institutions** 323
Joseph A. Goguen and R.M. Burstall

Part 14 Andrea Loparić and Newton da Costa (1984)

- Paranormal Logics and the Theory of Bivaluations** 361
Jean-Yves Béziau
- Paraconsistency, Paracompleteness, and Valuations** 373
Andréa Loparić and Newton C.A. da Costa

Part 15 Dov Gabbay (1996)

- Fibring Logics** 389
C. Caleiro and A. Sernadas
- Fibred Semantics and the Weaving of Logics** 397
Dov M. Gabbay



<http://www.springer.com/978-3-0346-0144-3>

Universal Logic: An Anthology

From Paul Hertz to Dov Gabbay

Béziau, J.-Y. (Ed.)

2012, XVIII, 410 p. 155 illus., Softcover

ISBN: 978-3-0346-0144-3

A product of Birkhäuser Basel