THE LOGICA YEARBOOK 2007

Edited by Michal Peliš

FILOSOFIA
Prague 2008

logica2007.indb 5 14.5.2008 23:34:26

Publication of the Logica Yearbook 2007 as well
as the organisation of the Logica 2007 conference
was supported by grant no. 401/07/0904
of the Grant Agency of the Czech Republic.

Published by FILOSOFIA - ΦΙΛΟΣΟΦΙΑ, 2008
Institute of Philosophy
Academy of Sciences of the Czech Republic,
Prague

Edited by Michal Peliš
Design and typesetting by Martin Pokorný and Marie Benediktová
Cover © Marta Bílková
Copyright of the papers held by the individual authors, unless otherwise noted
Printed by PB tisk Příbram, Czech Republic

ISBN 978-80-7007-281-3

Table of Contents

A Preface 9

Francesca Boccuni
Plural Quantification and a Predicative Revision of Frege's *Grundgesetze* 11

Richard Grandy and Daniel Osherson
A Partially Truth Functional Approach to Indicative Conditionals . . 23

Demetra Christopoulou
How to Deal with Janus' Face of Natural Numbers 31

Mark Jago
Narrow Content and Rationality 43

John T. Kearns
Illocutionary Origins of Familiar Logical Operators 55

Jeremy Kelly
Frege and Russell on Assertion 67

Vojtěch Kolman
Is a Continuum Denumerable? 77

Nils Kurbis
Stable Harmony 87

Peter Milne
A Formulation of First-order Classical Logic in Natural Deduction with the Subformula Property 97

Jaroslav Peregrin
Logic and *Nothing Else* 111

Martin Pleitz and Hanno von Wulfen
Possible Worlds in Terms of Incompatibility: An Alternative to Robert Brandom's Analysis of Necessity 119

Francesca Poggiolesi
A New Definition of the Došen's Principle 133

Karel Procházka
Once Again on ω-Inferences and Tarski's Definition of Logical Consequence 143

Greg Restall
Proof Theory and Meaning: On Second Order Logic 157

Sebastian Sequoiah-Grayson
Metasemantic Information and The Scandal of Deduction 171

Peter Schroeder-Heister
Proof-Theoretic versus Model-Theoretic Consequence 187

Mark C R Smith
Epistemic Quarantine: Mathematics, Fiction, and Truth 201

Vítězslav Švejdar
Weak Theories and Essential Incompleteness 213

Tuomas E. Tahko
The Metaphysical Status of Logic 225

Alessandro Torza
An Interpretive Independence-Friendly Quantified Modal Logic 237

Rafal Urbaniak
Time Travel and Conditional Logics 247

Heinrich Wansing and Yaroslav Shramko
A Note on Two Ways of Defining a Many-valued Logic 255

Bartosz Więckowski
Prediction in Fiction 267

Preface

You now hold open the eleventh volume of the series *The Logica Yearbook*. This volume contains a majority of the papers presented at the symposium *Logica 2007* held by the Department of Logic of the Institute of Philosophy of the Academy of Sciences of the Czech Republic. The annual symposia cover a broad field of logical topics and aim to promote dialogue between various branches of logic. Hence, *The Logica Yearbook 2007* brings together various texts from mathematical and philosophical logic, history and philosophy of logic, and natural language analysis. As usual we decided to sort them alphabetically by author. The papers were not only presented at the conference, but also discussed and commented on by *Logica 2007* participants before being published. These discussions took place in the former Franciscan monastery of Hejnice, where we spent a gratifying conference week.

Both the *Logica* symposium and this book series are the result of a joint effort of many people, who deserve our deep thanks. In the first place we would like to express our thanks to main organizer Vladimír Svoboda from the Department of Logic of the Institute of Philosophy. On behalf of the organizer we would like to thank to Pavel Baran, the Director of the Institute of Philosophy, for his support and the Grant Agency of the Czech Republic, which provided a significant support by the grant no. 401/07/0904. We are further indebted to Marie Vučková, Head of the Foreign Relations Department of the Institute, for organizational support. The organization would be impossible without the help of Petra Ivaničová during and before the conference. Our pleasant stay in Hejnice Monastery was made possible by the efforts of Father Miloš Raban and the staff of the monastery. Special thanks also go to the Bernard Family Brewery of Humpolec, traditional sponsor of the social programme of the symposium.

Since there are many texts from mathematical logic, we decided to combine two typesetting systems. We would like to thank to Marie Benediktová and Martin Pokorný for the layout and their cooperation during the designing of this volume, and to Marta Bílková for the cover design.

Last but not least we would like to thank all the conference participants and authors for their outstanding cooperation during the editorial process.

Prague, May 2008 Michal Peliš

logica2007.indb 9 14.5.2008 23:34:26