## Books Received

Books marked with an asterisk (*) are still available for review:
Books marked with a dagger (†) are reviewed in this issue.

*Zofia Adamowicz & Paweł Zbierski, *Logika matematyczna* (Warszawa, Państwowe Wydanwictwo Naukowa, 1991)

*А.Н. Альбертовна и других, *Логика и компьютер* (Москва, «Наука», 1990)

*Cristina Bicchieri & Maria Luisa Dalla Chiara (editors), *Knowledge. Belief, and Strategic Interaction* (Cambridge, Cambridge University Press, 1992)

*А.П. Блинов & В.В. Петров, *Элементы логики действий* (Москва, «Наука», 1990)

* Józef M. Bocheński, *Współczesne metody myślenia* (Poznań, „W drozde" - Wydawnictwo Polskeij Prowincji Dominikanów, 1988)

*I.M. Bodnar, A. Mate, & L. Polos (editors), *Intensional Logic, History of Philosophy and Methodology (to I. Ruszaa on the Occasion of His 65th Birthday)* (Budapest, Filozofiaoktatok Tovabbkepzo es Informacios Kozpontja, 1988)

*Jonathan Chapman and Frederick Rowbottom, *Relative Category Theory and Geometric Morphisms: A Logical Approach* (New York, Oxford University Press, 1992)

*John P. Cleave, *A Study of Logics* (New York, Oxford University Press, 1991)

Michael Dummett, *Frege: Philosophy of Mathematics* (Cambridge, Harvard University Press, 1991)

*John Earman, *Bayes or Bust? A Critical Examination of Bayesian Confirmation Theory* (Cambridge, Mass./London, MIT Press, 1992)

*Anita Burdman Feferman, *Politics, Logic, and Love: The Life of Jean van Heijenoort* (London, A.K. Peters; under the auspicies of Boston, Jones and Bartlett)

T.E. Forster, *Set Theory with a Universal Set: Exploring an Untyped Universe* (Oxford, Oxford University Press, 1992)

*J.-L. Gardies, *Le raisonement par l'absurde* (Paris, Bibliothèque d'Histoire des Sciences, Presses Universitaire de France, 1991)

*Clark Glymour, *Thinking Things Through* (Cambridge, Mass./London, MIT Press, 1992)

Kurt Gödel, *On Formally Undecidable Propositions of Principia Mathematica and Related Systems* (New York, Dover, 1992)

*Д.П. Горский (редактор), *Исследования по логике научного познания* (Москва, «Наука», 1990)

*Bogusław Iwanuś, *A Proof of Completeness of a Theory of Algebras of Sets* (Wrocław, Wydawnictwa Uniwersytetu Wrocławkiego, Prace Filozoficzne XXV, ser. Logika 7, 1980)

*L. Kalman & L. Polos (editors), *Papers from the Second Symposium on Logic and Language* (Budapest, Akademiai Kiado, 1990)

*Tadeusz Kotarbiński, *Wykłady z dziejów logiki* (Łódź, Zkład Narodowy im. Ossolińskich we Wrocławiu, 1957)

*Tadeusz Kotarbiński, *Wykłady z dziejów logiki* (Wrocław, Warszawa, Kraków, Zkład Narodowy im. Ossolińskich we Wrocławiu, PAN, 1990)

J. Karel Lambert (editor), *Philosophical Applications of Free Logic* (New York, Oxford University Press, 1991)

*Logique et Analyse* (n.s.) 32, nr. 125-126 (Mars-Juin 1989)

*В.С. Меськов, *Очерки по логике квантовой механики* (Москва, Издательство Московского университета, 1986)

*Roman Murawski, *Funkcje rekurencyjne i elementy matematyki: Problemy zupełności, rozsrygalności, twierdzenia Gödla* (Poznań, Wydawnictwo Naukowe UAM, 1991) (2 copies)

*М.И. Панов (редактор), *Методологический анализ оснований математики* (Москва, «Наука», 1988)

*Małgorzata Porębska & Wojciech Suchoń, *Elementarne wprowadzenie w logikę formalną* (Warszawa, Państwowe Wydawnictwo Naukowe, 1991) (2 copies)

Francisco A. Rodríguez-Consuegra, *The Mathematical Philosophy of Bertrand Russell: Origins and Development* (Basel/Boston/Berlin, Birkhäuser Verlag, 1991)

* *Russell: Journal of the Bertrand Russell Archives* (n.s.) 12 (no. 1, Summer 1992)

*I. Rusza, *Intensional Logic Revisted* (Budapest, 1991)

*I. Rusza & A. Szabolsci (editors), *Proceedings of the '87 Debrecen Symposium on Logic and Language* (Budapest, Akademiai Kiado, 1987)

*Craig Smoryński, *Logical Number Theory, I* (Berlin/Heidelberg, Springer-Verlag, 1991)

†Alfred Tarski, *Collected Papers*, Volume 1, 1921-1934; Volume 2, 1935-1944; Volume 3, 1941-1957; Volume 4, 1958-1979. Edited by Steven R. Givant and Ralph N. McKenzie. (Basel/ Boston/ Stuttgart, Birkhäuser, 1986).

*André Weil, *The Apprenticeship of a Mathematician* (Boston/Basel/Berlin, Birkhäuser Verlag, 1992)

*C.J.F. Williams, *Being, Identity, and Truth* (Oxford, Clarendon Press, 1992)

*Palle Yourgrau, *The Disappearance of Time: Kurt Gödel and the Idealistic Tradition in Philosophy* (Cambridge, Cambridge University Press, 1991)

## BIBLIOGRAPHIC NOTES

А.Г. Барабашев, *Будущее математики (Методологические аспекты прогнозирования)* (Москва, Издателзство Московского университета, 1991) A philosophico-methodological study of the laws of mathematical development and of the historical tools used to anticiapte future developments in mathematics.

В.А. Бажанов, *К вопросу о предосылках построения Н.А. Васильевым воображаемой логики*, Современная логика: проблемы теории, истории и применения в науке (Л., Изд-во Ленинград. ун-та, 1990), Ч. I, с. 7-9. On the question of preconditions for the creation of N.A. Vasiliev's imaginary logic.

В.А. Бажанов, *Об эвристической роли идей Дарвина в построении воображаемой логики Н. А. Васильевым*, X Всесоюзная конференция по логике, методологии и философии науки. Минск, 1990, с. 6-7. On the heuristic role of the Darwinian idea in the creation of N.A. Vasiliev's imaginary logic.

Paul Bernays, *Axiomatic Set Theory* (New York, Dover, 1991). Unabridged and unaltered republication of the second (1968) edition published by North-Holland in its *Studies in Logic and the Foundations of Mathematics* series (first edition 1958). Includes the "Historical Introduction" by Abraham A. Fraenkel, pp. 3-35.

Mark Burgin & Vladimir Kuznetsov, *New Mathematics for Knowledge Studies* (Kiev, self-published, 1993). Investigates models of cognition based upon mathematical logic, naive set theory, topology, etc., and gives a detailed account of the theory of named sets and its applications to cognitive studies.

Katalin G. Havas, *Thought, Language and Reality in Logic* (Budapest, Akademiai Kiado, 1992). The author seeks to reconcile three distinct definitions of logic (mathematical, philosophical, dialectical) within the context of the historical and philosophical development of the conception of logic and the objects (thought, language and reality ) of logical study.

Б.А. Кушнер, *Марков и Бишоп*, Вопросы Истории Естествознания и Техники (1992), нр. 1, с. 70-81. A personalized account of the author's reminiscences of Markov, thoughts on Bishop, and on the relationship of their styles of approach to constructive mathematics. The author speculates that