X Modern Logic ω

- *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, Издателяство Московского университета, 1991) А 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. І, 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 вообрачаемой 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

Volume 3, no. 2 (February 1993)

Markov's and Bishop's schools would have benefitted greatly if Markov's and Bishop's meeting in 1966 at the International Congress of Mathematicians in Moscow would have been more open. An English translation is to appear in the American Mathematical Society's volume *The Golden Years of Russian Mathematics*, scheduled for publication in the Summer of 1993.

Grigori Mints, Proof theory in the USSR 1925 – 1969, Journal of Symbolic Logic 56 (1991), 385-424.

Roman Murawski, *The English algebra of logic in the 19th century*, Studies in Logic, Grammar and Rhetoric IX (Warsaw University, Białystok Branch, 1990), 15-45.

Michael Scanlan, Who were the American postulate theorists?, Journal of Symbolic Logic 56 (1991), 981-1002.

Т.Я. Шарипов (редактор), Очерки истории НИИ Математики и Механики имени Н.Г. Чеботарева (Казань, Издат. Казанского университета, 1989). A collection of articles on various aspects of the history of the Scientific Research Institute of Mathematics and Mechanics at Kazan University and its members, in celebration of the institute's 50th anniversary in 1984.

V.A. Uspensky, Kolmogorov and mathematical logic, Journal of Symbolic Logic 57 (1992), 385-412.

Jan Zygmunt, A bibliography of the published work of Jerzy Słupecki, Studia Logica 48 (1989), 413-421.

Jan Zygmunt, Mojżesz Presburger: Life and work, History and Philosophy of Logic 12 (1991), 211-223. A discussion of the known facts of Presburger's life and a description of the details and impact of his important 1903 master's thesis developing Presburger arithmetic and proving its completeness. Little is known of Presburger's life after completion of the thesis, which was his only paper.