

Books Received

Books marked with an asterisk (\*) are still available for review.

- \*Irving H. ANELLIS, *Van Heijenoort: Logic and Its History in the Work and Writings of Jean van Heijenoort* (Ames, Modern Logic Publishing, 1994)
- William ASPRAY, *John von Neumann and the Origins of Modern Computing* (Cambridge, MA/London, MIT Press, 1990)
- Martin Davis (editor), *Solvability, Provability, Definability: The Collected Works of Emil L. Post* (Boston, Birkhäuser, 1994)
- \*Dov GABBAY, Ian HODKINSON & Mark REYNOLDS, *Temporal Logic: Mathematical Foundations and Computational Aspects*, vol. 1 (New York, Oxford University Press, 1994)
- Alexander GEORGE (editor), *Mathematics and Mind* (New York, Oxford University Press, 1994)
- \*Lewis E. HAHN (editor), *The Philosophy of A.J. Ayer* (La Salle, Open Court, 1992)
- \*Norman MACRAE, *John von Neumann* (New York, Pantheon, 1992)
- \*Alberto MURA, *La sfida scettica: Saggio su problema logico dell'induzione* (Pisa, ETS Editrice, 1992).
- Jarmo PULKKINEN, *The Threat of Logical Mathematics: A Study on the Critique of Mathematical Logic in Germany at the Turn of the 20th Century* (Frankfurt am Main/Berlin/Bern/New York/Paris/Vienna, Peter Lang GmbH, 1994)
- N. SHANKAR (editor), *Metamathematics, Machines, and Gödel's Proof* (Cambridge, Cambridge University Press, 1994)
- \*Charles L. SILVER, *From Symbolic Logic ... To Mathematical Logic* (Dubuque/Melbourne/Oxford, Wm. C. Brown, 1994)
- \*Josef SPECK (editor), *Grundprobleme der grossen Philosophen. Philosophie der Neuzeit VI. Tarski, Reichenbach, Kraft, Gödel, Neurath* (Göttingen, Vandenhoeck & Ruprecht, 1992)
- Alfred TARSKI (edited by Jan Tarski), *Introduction to Logic and to the Methodology of the Deductive Sciences* (New York/Oxford, Oxford University Press, 4th ed., 1994)
- \*Marek TOKARZ, *Elementy pragmatyki logicznej* (Warszawa, Wydawnictwo Naukowe PWN, 1993)

## BIBLIOGRAPHIC NOTES

W.S. ANGLIN, *Mathematics: A Concise History and Philosophy* (New York/Berlin, Heidelberg/London/Paris/Tokyo, Springer-Verlag, 1994). Intended as a textbook for use in an integrated one-semester course on history and philosophy of mathematics for undergraduate mathematics or philosophy majors and secondary school mathematics teachers.

N. BOURBAKI, *Elements of the History of Mathematics* (New York/Berlin, Heidelberg/London/Paris/Tokyo, Springer-Verlag, 1994).

S. CHIKARA, S. MITSUO & J.W. DAUBEN (editors), *The Intersection of History and Mathematics* (Boston/Basel/Berlin, Birkhäuser Verlag, 1994). A collection of papers addressing aspects of the forms of interaction between mathematical research and historiographical problems.

Joseph W. DAUBEN, *Abraham Robinson: The Creation of Nonstandard Analysis. A Personal and Mathematical Odyssey* (Princeton, Princeton University Press, 1994).

Kurt GÖDEL, (Solomon Feferman, John W. Dawson, Jr., Warren Goldfarb & Robert M. Solovay, editors), *Collected Works, vol. III: Unpublished Essays and Lectures* (New York/Oxford, Oxford University Press, 1994).

A. KANOMORI, *The Higher Infinite: Large Cardinals in Set Theory from Their Beginnings* (New York/Berlin, Heidelberg/London/Paris/Tokyo, Springer-Verlag, 1994). Takes a historical approach to provide a comprehensive account of the theory of large cardinals as traced from their origin through developments in the early 1970s.

J.-P. PIER (editor) *Development of Mathematics 1900–1950* (Boston/Basel/Berlin, Birkhäuser Verlag, 1994). A collection of papers sketching the history of mathematics during the first half of the twentieth century, with a detailed list of primary sources and major secondary studies..

Angar RICHTER, *Der Begriff der Abduktion bei Charles Sanders Peirce* (Frankfurt am Main/Berlin/Bern/New York/Paris/Vienna, Peter Lang GmbH, 1995). The author presents a systematic study of the origin of abduction as a concept created by Charles Peirce as a companion to deduction and induction, and undertakes to provide an understanding of its nature in terms of logic, probability theory, semiotics, and psychology.

Sun-Joo SHIN, *The Logical Status of Diagrams* (Cambridge, Cambridge University Press, 1994). The author defends the thesis that visualization is an important aspect of the history of logic and seeks to provide a formal foundation for work on natural reasoning in a visual mode.

J. STILLWELL, *Mathematics and Its History* (New York/Berlin/Heidelberg/London/Paris/Tokyo, Springer-Verlag, 1989; 3rd printing, 1994). See Thomas Drucker, "On the foothills: review of Stuart Hollingdale, *Makers of Mathematics*; John Stillwell, *Mathematics and Its History*, and William Dunham, *Journey Through Genius: The Great Theorems of Mathematics*," *Modern Logic* 2 (1992), 413–423.