

Books Received

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

- *R. ADAMSON and H. JEVONS (editors), *Pure Logic and Other Minor Works. W. Stanley Jevons* (Bristol, Thoemmes Press, 1991)
- *A.R. ANDERSON, N.D. BELNAP, Jr., and J.M. DUNN, *Entailment. The Logic of Relevance and Necessity*, vol. II (Princeton, Princeton University Press, 1992)
- *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 van Neumann and the Origins of Modern Computing* (Cambridge, Mass./London, MIT Press, 1990)
- *Cristina BICCHIERI & Maria Luisa DALLA CHIARA (editors), *Knowledge, Belief, and Strategic Interaction* (Cambridge, Cambridge University Press, 1992)
- *Katalin BIMBÓ & András MÁTÉ (editors), *Proceedings of the Fourth Symposium on Logic and Language, Budapest, 5. to 9. August 1992* (Budapest, Áron Publishers, 1993)
- *Mieczysław BOMBIK, *Pojęcie błędu petitionis principii* (Warszawa, Akademia Teologii Katolickiej, 1991)
- J.N. CROSSLEY, J.B. REMMEL, R.A. SHORE and M.E. SWEEDLER (editors), *Logical Methods. In Honor of Anil Nerode's Sixtieth Birthday* (Boston/Basel/Berlin, Birkhäuser, 1993)
- Alejandro GARCADIAGO, *Bertrand Russell and the Origin of the Set-theoretic Paradoxes* (Basel/Boston/Berlin, Birkhäuser Verlag, 1992)
- *Lewis E. HAHN (editor), *The Philosophy of A.J. Ayer* (La Salle, Open Court, 1992)
- A.D. IRVINE and G.A. WEDEKING (editors), *Russell and Analytic Philosophy* (Toronto/Buffalo/London, University of Toronto Press, 1993)
- *Alberto MURA, *La sfida scettica: Saggio su problema logico dell'induzione*, (Pisa, ETS Editrice, 1992).
- Bertrand RUSSELL, *Introduction to Mathematical Philosophy* (New York, Dover, 1993)
- Jan SEBESTIK, *Logique et Mathématique chez Bernard Bolzano* (Paris, Vrin, 1992)

BIBLIOGRAPHIC NOTES

П.В. АЛЕКСЕЕВ, А.В. ИВАНОВ Л.С. КОПЦАКОВА, & Й.К. ТРАУТ (редколлегия), *Философы России XIX - XX столетий (биографии, идеи, труды)*, Москва: «Книга и бизнес», 1993. Author-compilers include the editors, along with A.P. Alekseev, I. Yu. Alekseeva, G.T. Kojshibaev, V. Yu. Kuznetsov, T.B. Kulakova, and L.E. Yakovleva. This is a biographical dictionary of nineteenth- and twentieth-century Russian philosophers. Most entries are two paragraphs long, the first paragraph giving information about the person, the second paragraph listing the works of that philosopher. The average length of each entry is roughly between one-half to three-quarters of a column on pages occupied by two columns, although some major figures are naturally accorded somewhat more space. Many logicians, historians and philosophers of logic are included among the entries, although most are given minimal amounts of space. Included among the logicians, historians and philosophers of logic given entries, we find, for example, Platon Sergeevich Poretskii, Nikolai Ivanovich Styazhkin, Nikolai Aleksandrovich Vasil'ev (the entry on Vasil'ev being written by V.A. Bazhanov), and Sof'ya Aleksandrovna Yanovskaya, as well as many lesser known persons, such as Valentin Ferdinandovich Asmus, Pavel Sergeevich Popov, and Aleksandr Leonidovich Subbotin, who figure to varying degrees in the history and philosophy of logic in Russia. Very few mathematicians are given entries; one who

is given an entry is Lobachevskii. It is regrettably impossible to list the names of all of those included in this reference tool who have some relevance to the history and philosophy of logic. Among those who are not identified by their entries as having an interest to historians of logic is Evgenii Aleksandrovich Bobrov; he would be recognizable as being of interest to historians of logic only from the inclusion of his book *Historical Introduction to Logic* (Warsaw, 1913) among his listed works. The list of his works, however, does not include his booklet *The Logic of Aristotle (Historical and Critical Etudes)* (Warsaw 1906). Similarly, the extremely important late nineteenth- early twentieth-century logician Evgenii Leonidovich Bunitskii, whose contributions to algebraic logic perhaps equal those of his older colleague Poretskii, is accorded only a few lines. Among the entries are also to be found the names of *Modern Logic* editorial board members Valentine Aleksandrovich Bazhanov and Aleksei Georgievich Barabashev, and *Modern Logic* advisory board member Boris Vladimirovich Biryukov.

William DUNHAM, *The Mathematical Universe: An Alphabetical Journey Through the Great Proofs, Problems, and Personalities* (Somerset, New Jersey, John Wiley & Sons, 1994). From the publisher's description: "Examines in a highly accessible manner a wide range of important math topics — from Aristotle to Zero. Included are lots of amusing stories and little known facts from the annals of math, as well as biographies of the great mathematicians [...] discussions of some of the most intriguing mysteries, such as Russell's paradox....."

Stephen GIVANT, *A portrait of Tarski*, *Pokroky Mat. Fyz. Astronom.* 37 (1992). nr. 4, 185–205. (In Czech, translated from English by Helena Nešetřilová from the *Mathematical Intelligencer* 13 (1991), no. 3, 16–32).

H. Jerome KIESLER, *Stephen Cole Kleene, 1909–1994*, *Notices of the American Mathematical Society* 41 (no. 7, September 1994), 792–793.

Julián VELARD LOMBRAÑA, *Panorama of logic in Spain*, *Theoria* (2) 7 (1992), nos. 16–18, A. 339–345. (In Spanish; MR# 94a:01029). Discusses the institutions, journals, and people working in mathematical logic in Spain from the late nineteenth century to the present.

Francisco MIRO & Rocque CARRION (eds), *Antología de la Lógica en América Latina* (Madrid, Fundación del Banco Exterior, 1988).

Volker PECKHAUS, *Logic in transition: the logical calculi of Hilbert (1905) and Zermelo (1908)*, in D. Prawitz and D. Westerståhl (editors), *Logic and philosophy of science in Uppsala* (Dordrecht, Kluwer, 1994), 311–323.

Volker PECKHAUS, *Benno Kerry: Beiträge zu seiner Biographie*, *History and Philosophy of Mathematics* 15 (1994), 1–8.

Joan L. RICHARDS, Review of Philip E.B. Jourdain, *Selected Essays on the History of Set Theory and Logics (1906–1918)*, edited by Ivor Grattan-Guinness, *Isis* 85, no. 2 (1994), 354–355.

Karl-Heinz SCHOLTE & Uwe DATHE, *Die Anfänge von Gottlob Freges wissenschaftlicher Laufbahn*, *Historia Mathematica* 21 (1994), 185–195. Discusses the role which geometry played in Frege's philosophical thought, focussing on Frege's 1873 thesis on the geometric representation of imaginary mathematical objects.

Frank SWETZ (editor), *From Five Fingers to Infinity: A Journey Through the History of Mathematics* (Peru, Illinois, Open Court Publishing Co., 1994)

R. Gregory TAYLOR, *Zermelo, reductionism, and philosophy of mathematics*, *Notre Dame Journal of Formal Logic* 34 (1993), 539–563.

Roland WAGNER-DÖBLER & Jan BERG, *Mathematische Logik von 1847 bis zur Gegenwart. Ein bibliometrische Untersuchungen* (Berlin/New York, Walter De Gruyter, 1993). A survey which uses the data in Müller and Lenski's *Omega Bibliography of Mathematical Logic* to analyze the historical development of mathematical logic and its specializations.