

BIBLIOGRAPHIC NOTICES

by

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Francine ABELES, *Algorithms and mechanical processes in the work of Charles L. Dodgson*, in Charlie Lovett (editor), *Proceedings of the Second International Lewis Carroll Conference* (Winston-Salem, Lewis Carroll Society of North America, 1994), 97–106. Includes descriptions of algorithms developed by Carroll in various areas, including logic, designed with mechanical methods for solutions.

M. M. ARSLANOV, *Contributions to the history of variations of weak density in n -r.e. degrees*, in Dag Prawitz, Brian Skyrms & Dag Westerståhl (editors), *Logic, methodology and philosophy of science, IX (Uppsala, 1991)* (Amsterdam, North-Holland, 1994), 199–208.

Tadeusz BATÓG and Roman MURAWSKI, *Staśław Piątkiewicz and the beginnings of mathematical logic in Poland*, *Historia Mathematica* 23 (1996), 68–73. Gives a brief biography of Staśław Piątkiewicz (1849 – ?) and describes his book *Algebra w logice* [Algebra in Logic] (1888). Credit for introducing mathematical logic into Poland is typically given to Twardowski and especially to Twardowski's student Jan Łukasiewicz. The publication of *Algebra w logice*, however, makes Piątkiewicz the first to introduce mathematical logic into Poland.

Michael BEESON, *Constructivity in the nineties*, in *Philosophy of Mathematics* (Kirchberg am Wechsel, 1992), Schriftenreihe Wittgenstein-Gesellschaft 20, nr. I (Wien, Hölder-Pichler-Tempsky, 1993), 127–144. A survey of recent work in constructive mathematics and computer science.

John BELL, *Infinitesimals and the continuum*, in James J. Tattersall (editor), *Proceedings of the Canadian Society for the History and Philosophy of Mathematics 19th Annual Meeting (Ottawa, Carleton University, 1993)*, 42–45. Includes a discussion of the revival of the use of infinitesimals in logic (non-standard analysis) and category theory.

Unsigned [Paul J. CAMPBELL], *Review of Richard DEDEKIND, What Are Numbers and What Should They Be?, revised, translated, and edited by H. Pogorzelski, W. Ryan, and W. Snyder*, *Mathematics Magazine* 68 (no. 5, December 1995), 410. The reviewer notes that this translation is not strictly historically accurate; instead, the translators sought to render Dedekind's *Was sind und was sollen die Zahlen* into “modernized . . . notation and terminology” and omitted Dedekind's prefaces and footnotes in favor of their own. Moreover,