

From the Logical Point of View

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MLP BOOKS

If you know van Heijenoort only, or even primarily, as the editor of *From Frege to Gödel* . . . but care about the history of logic, . . . you'll want to read . . .

Irving H. Anellis, *Van Heijenoort: Logic and Its History in the Work and Writings of Jean van Heijenoort*

. . . and learn the full range of van Heijenoort's work and thoughts on the history of logic and his contributions to contemporary logic.

Jean van Heijenoort (1912 – 1986) was best known as a historian of logic and was most recognized for his influential anthology *From Frege to Gödel* collecting many of the research papers that shaped the early history of mathematical logic. His own contributions to mathematical logic, especially to the falsifiability tree method, hitherto generally unknown, are detailed here by van Heijenoort's last doctoral student.

Anellis discusses van Heijenoort's academic life and scholarly career. His central themes are van Heijenoort's contributions to mathematical logic and to the study of its history. He uses van Heijenoort's publications, classroom lectures, and unpublished notes and manuscripts to detail these. Also covered are van Heijenoort's education, his development as a teacher, logician and historian of logic, and his views on philosophy of logic and mathematics.

Comments:

. . . About the book:

"A thorough and impressive job on van Heijenoort. I am much informed." –
W.V. QUINE (Harvard University)

. . . About the author:

"Anellis is certainly not only qualified for writing it but also a natural choice to do so." – Michael RESNIK (University of North Carolina)

. . . About van Heijenoort:

"Van Heijenoort's ideas are still worthy of study and they remain today attractive to people who are working on the history and philosophy of mathematics." – Evgeny A. ZAITSEV (Russian Academy of Sciences)

Paperback: \$39.95 (ISBN 1-884905-00-5) ; Hardcover: \$59.95 (ISBN 1-884905-01-3)

MLP BOOKS

Irving H. Anellis, *Van Heijenoort: Logic and Its History in the Work and Writings of Jean van Heijenoort*

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Dear Valued Subscriber!

The current issue marks the end of subscriptions to volume 5 (1995) of *Modern Logic*. Don't risk missing future issues! If you haven't taken advantage of the multiple-year subscription renewal or signed up for our Automatic Subscription Renewal Program, be sure to complete the detachable 1996 Renewal Form at the end of this issue and send it in at your earliest convenience so that you can be sure to receive Volume 6, no. 1 (January 1996) without any delays and sign up for automatic subscription renewal to avoid the yearly inconveniences of yearly or late renewals in the future! This will also help hold down administrative costs, decreasing the need for future price increases on subscriptions. Volume 6, no. 1 will be dedicated to historian of logic, historian and philosopher of mathematics Sof'ya Alekandrovna YANOVSKAYA, whose centenary we celebrate on 31 January 1996. Our 1996 *Modern Logic Calendar* will also carry a feature on Yanovskaya.

Due to the doubling in the cost of paper over the past year, its expected continuing increase, and increases in January 1995 of domestic postal rates and increases in July 1995 of overseas postal rates, we regret that we have no option but to increase the subscription rates to *Modern Logic* beginning with Volume 6, but we also know that you will recognize the continuing value of *Modern Logic*, and we thank you for your ongoing support!

SOME RECENT COMMENTS
ON OLD ISSUES
OF
MODERN LOGIC

Kenneth Blackwell wrote:

The October [1994] issue of *Modern Logic*, just received, has a splendidly crafted review of *The Collected Papers of Bertrand Russell*, Vol. 6: *Logical and Philosophical Papers, 1909-13*. He [Irving H. Anellis] reviews the principles of the edition in addition to the logical contents of the volume at hand. The review is on pp. 432-8.

– KENNETH BLACKWELL / The Bertrand Russell Archives
McMaster University Library, Hamilton, ON, Canada L8S 4L6
For Russell Archives info, "finger" bertruss@mcmaster.ca

and wrote again:

Date: Fri, 4 Aug 1995 08:19:54 -0400
From: Kenneth Blackwell <blackwk@mcmaster.ca>
To: Multiple recipients of list <russell-l@informer1.CIS.McMaster.CA>
Subject: Pierce and Russell on Logic

Irving Anellis has published his very long study of the relationship of these two logicians. The study questions Russell's veracity and mathematical competence and relationship with Whitehead in lamenting the "disappearance" of the algebraic tradition in mathematical logic in favour of the logistic. The documentation is vast and up to date, citing even two 1995 publications by Quine.

Whether Anellis is introducing what may be called a political element into the history of math. logic, or is merely exposing it, his article will grip you until you're done.

See "Peirce Rustled, Russell Pierced: How Charles Peirce and Bertrand Russell Viewed Each Other's Work in Logic, and an Assessment of Russell's Accuracy and Role in the Historiography of Logic", *Modern Logic*, 5 (July 1995): 270-328.

When you've had a chance to read it, let's discuss some of the issues here.

. . . And here is a small sampling of what colleagues are saying about *Modern Logic*:

"*Modern Logic* has begun to play a significant role in current scholarship."

- Nathan Houser (Peirce Edition Project, Indiana University), co-editor of the forthcoming *Studies in the Logic of Charles S. Peirce*

"You are doing in my opinion a very important and difficult business for the logical and more generally intellectual community."

- Boris A. Kushner (University of Pittsburgh, Johnstown), author of *Lectures on Constructive Mathematical Analysis*

"All interested in the history of modern logic should now include [*Modern Logic*] into their reading lists."

- Roman Murawski (Mathematics Institute, Poznań), from the review in *Studia Logica* 51 (1992), p. 151

"Thank you for *Modern Logic*. I find all issues very interesting,"

- Jan Woleński (Jagiellonian University), author of *Filozoficzna szkoła lwowsko-warszawska*

"*Modern Logic* is the journal which is interesting to the considerable number of University scholars. Thank you!"

- Yu. V. Polyanskov (Rector, Ulyanovsk Branch, Moscow State University)

Some forthcoming and planned titles
for future issues of

Modern Logic

Fania CAVALIERE,

“L’Opera di Hugh MacColl alle Origini delle Logiche Non-classiche”

Newton C. A. DA COSTA, Jean-Yves BÉZEIAU & Otávio A. S. BUENO,

“Malinowski and Suszko on Many-valued Logics:
On the Reduction of Many-valuedness to Two-valuedness”

Vladik KREINOVICH,

Sergei Maslov: Logic and Freedom of Choice”

Boris A. KUSHNER,

“Sof’ya Aleksandrovna Janovskaja: A Few Reminiscences”

Roman MURAWSKI,

Contribution of Polish Logicians to Decidability Theory”

A. P. RAO,

“A Survey of Free Logics”

Boris ROSENFELD,

“Reminiscences of S. A. Yanovskaya”

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- Alexei G. Barabashev, *Long Cycles in the Development of Mathematics*
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Alexei G. Barabashev's *Long Cycles in the Development of Mathematics* is a much enlarged and revised translation of the author's *Dialektika razvitiya matematicheskogo znaniya*. Gregory Crowe's translation will give readers an appreciation for the acuity and depth of the author's perception, the philosophical profundity of his analyses, and his broad knowledge of the history of mathematics. In the process of developing his thesis, Barabashev has arrived at philosophical insights and conclusions which will contribute significantly to discussions on the philosophy of the history of mathematics. Some of these insights will be absolutely new to philosophers of mathematics, especially those who are unable to avail themselves of the author's writings in Russian. Other of these insights will appear vaguely familiar to readers; but they will discover that this familiarity derives from a close similarity between the conclusions reached by Barabashev and those recently reached independently, but only after Barabashev had already done so, by Western writers in philosophy of mathematics who have only recently begun to approach their subject historically.

Gregory Crowe received his doctorate in history of science from the Massachusetts Institute of Technology in 1993 with a thesis on Lobachevskii. He worked in close cooperation with the author to produce this translation.

- Fred A. Seddon, *Aristotle and Łukasiewicz on the Principle of Contradiction*
- Jan Pieter Hogendijk, Sergei S. Demidov, Thomas Drucker & Irving H. Anellis (editors), *Mathematics Past Tense Present: Festschrift on History of Mathematics in Honor of Boris Rosenfeld*
- J. D. Wine & Douglas E. Cameron (editors), *Proceedings of the Twentieth Annual Mathematics and Statistics Conference: History of Mathematics and Fourth Midwest Math-History Conference, Miami University of Ohio, Oxford, Ohio, October 2-3, 1992**

*This will be the first in the planned new MLP Books Series, *Proceedings of the Midwest Math-History Conferences*. Sponsored by the University of Wisconsin-LaCrosse.

