Paul Bernays Encyclopedia Article

Paul Bernays

The following sections of this BookRags Literature Study Guide is offprint from Gale's For Students Series: Presenting Analysis, Context, and Criticism on Commonly Studied Works: Introduction, Author Biography, Plot Summary, Characters, Themes, Style, Historical Context, Critical Overview, Criticism and Critical Essays, Media Adaptations, Topics for Further Study, Compare & Contrast, What Do I Read Next?, For Further Study, and Sources.

(c)1998-2002; (c)2002 by Gale. Gale is an imprint of The Gale Group, Inc., a division of Thomson Learning, Inc. Gale and Design and Thomson Learning are trademarks used herein under license.

The following sections, if they exist, are offprint from Beacham's Encyclopedia of Popular Fiction: "Social Concerns", "Thematic Overview", "Techniques", "Literary Precedents", "Key Questions", "Related Titles", "Adaptations", "Related Web Sites". (c)1994-2005, by Walton Beacham.

The following sections, if they exist, are offprint from Beacham's Guide to Literature for Young Adults: "About the Author", "Overview", "Setting", "Literary Qualities", "Social Sensitivity", "Topics for Discussion", "Ideas for Reports and Papers". (c)1994-2005, by Walton Beacham.

All other sections in this Literature Study Guide are owned and copyrighted by BookRags, Inc.

Contents

Paul Bernays Encyclopedia Article.....1

Contents.....2

Paul Bernays.....3

Paul Bernays

1888-1977

Swiss mathematician who contributed to mathematical logic and set theory, particularly in the framework of David Hilbert's systematic analysis of proofs. In his early work on propositional logic (the logic of sentential connectives such as "and," "or," "if-then," and negation), he showed that the system of Bertrand Russell and A. N. Whitehead was complete, in the sense that all valid formulas are provable. Later Bernays developed an axiomatization of set theory in first order logic with three fundamental notions—membership, set, and class—in order to avoid the contradictions of earlier systems.