Alfred James Lotka Encyclopedia Article

Alfred James Lotka

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

Alfred James Lotka Encyclopedia Article.....1

Contents.....2

Alfred James Lotka.....3

Alfred James Lotka

1880-1949

British demographer and statistician who developed statistical methods for analyzing the dynamics of biological populations. Lotka formulated a growth law for two competing populations using differential equations that produced accurate modeling. His major book, *Elements of Physical Biology,* treated all biology from a mathematical-physical viewpoint. He was an early advocate of ecological concerns. He left science in 1924 and joined the statistical branch of the Metropolitan Life Insurance Company in New York, where he did research on life expectancy.