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Unproductive Partner?



John Wiley & Sons, 1996, 6" x 9 1/4", 242 pages, paperback, \$15.95

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Everyone knows that optical illusions trick us because of the way we see. Now, scientists have discovered that cognitive illusions, a set of biases deeply embedded in the human mind, can actually distort the way we think.

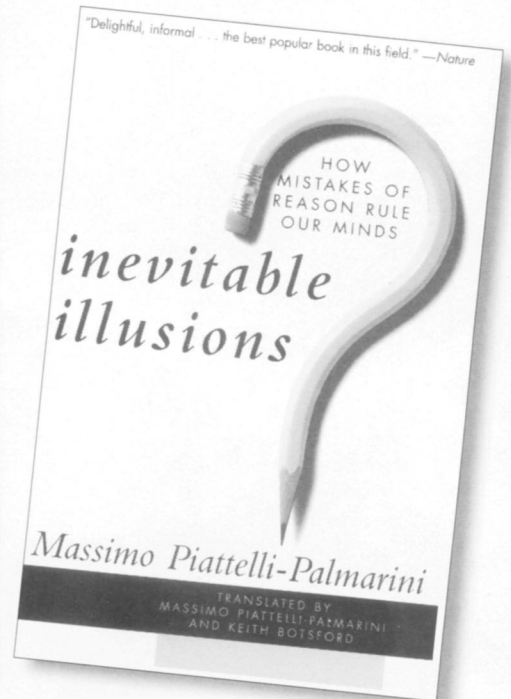
In *Inevitable Illusions*, distinguished cognitive researcher Massimo Piattelli-Palmarini takes us on a provocative, challenging, and thoroughly entertaining exploration of the games our minds play. He opens the doors to the newly charted realm of the cognitive unconscious to reveal the full range of illusions, showing how they inhibit our ability to reason—no matter what our educational background or IQ. *Inevitable Illusions* is stimulating, eye-opening food for thought.

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Hidden Order How Adaptation Builds Complexity by John H. Holland

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A dozen people stranded on a desert island after a plane crash organize themselves and survive until rescued. A group of individual antibodies detects a viral invader in the bloodstream and somehow comes together effectively to attack that invader. Ants, industrious creatures of limited brainpower, form incredibly sophisticated organizations and thrive amidst many hardships.

Are these scenarios totally different, or are they in some way related? Based on a series of Holland's lectures at the Santa Fe Institute, *Hidden Order* explains how scientists who study the new fields of complexity are convinced that certain constant processes are at work in all kinds of complex systems.

One of the founders of the field of complexity, John Holland is especially qualified to put some of the hottest issues in contemporary science into a fascinating context for the general reader.

-from Addison-Wesley

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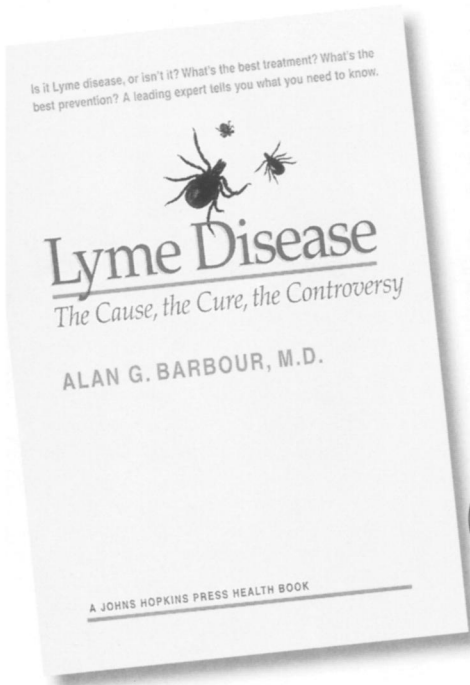
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Johns Hopkins, 1996, 258 pages
 6"x 9", paperback, \$15.95



In this book, noted Lyme disease researcher and clinician Alan Barbour presents a comprehensive and even-handed discussion of what we know about the disease and offers medical science's current thinking about its more controversial aspects. He uses the stories of four fictitious patients to illustrate the highly variable course of the disease in different individuals and under different circumstances. A fifth patient is representative of people who, in the absence of an alternative diagnosis, turn to Lyme disease to explain their symptoms—and as a result suffer for too long without appropriate treatment for what's really ailing them.

Including illustrations of ticks and the rashes caused by their bites, as well as maps showing the worldwide distribution of Lyme disease, the book offers a wealth of useful information. *Lyme Disease*:

- Explains how the disease is spread, and who is at risk
- Describes the symptoms and consequences of Lyme disease, from the rash following a bite to the most serious complications, such as infection of the nervous system, joints, and heart
- Describes diagnostic tests for Lyme disease
- Explains why fibromyalgia and chronic fatigue syndrome are often mistaken for Lyme disease
- Carefully explains proven and unproven treatments, and summarizes the debates about the efficacy of antibiotics and other treatments
- Outlines what individuals can do to avoid getting Lyme disease as well as what the community can do to reduce the number of Lyme-disease-carrying ticks

— from Johns Hopkins

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 1719 N Street, N.W., Washington, D.C. 20036 LymeDisease

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**Where did the first humans originate?
 How and when did humans get onto North
 America, the tip of South America, and Australia?
 Was there a single human ancestress whose
 mitochondria survive within us today?**

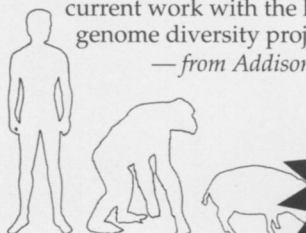
Because history cannot be repeated, we may never have answers to these far-reaching questions. Yet, population geneticist Luigi Luca Cavalli-Sforza contended that the evolutionary past of humankind could be reconstructed by analyzing current genetic data.

After providing a thorough grounding in evolutionary theory, Cavalli-Sforza shows how he and a few colleagues brought together genetic data on blood groups for fifteen populations spread out on five continents. By computing the genetic distance between pairs of populations, these scientists were able to develop an evolutionary tree that looks surprisingly like the ones reconstructed today—but with much less information.

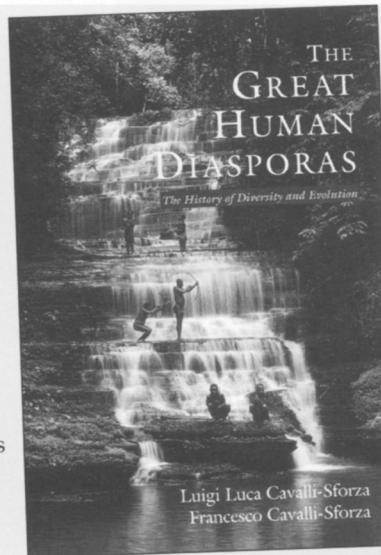
Cavalli-Sforza shows how both archaeological and genetic data were used to track human migrations during the spread of agriculture; he probes the existence of a single ancestral language; and

he brings us up to date with his current work with the human genome diversity project.

— from Addison-Wesley



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