

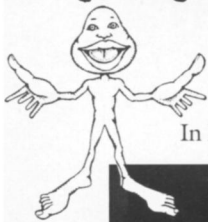
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A New Leaf



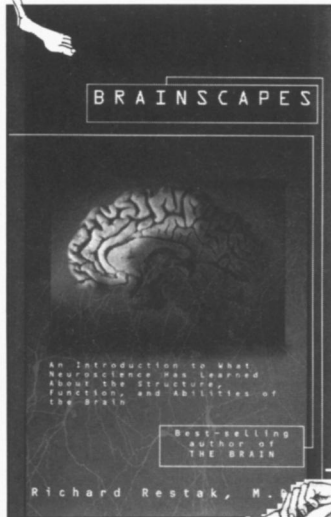
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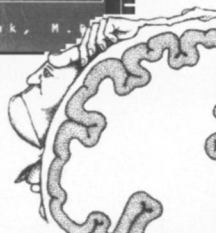
In this concise, authoritative, and fascinating guided tour, noted neurologist Richard Restak leads readers to one of the most exciting frontiers of human biology, the brain, and offers a state-of-the-art report on the startling advances neuroscience has made in discovering its complex workings and remarkable capacities.

Brainscapes illuminates the structure and components of the brain; how it operates consciously and unconsciously; how brain cells communicate with one another and with other parts of the body; the astonishing progress being made in pharmacology to control neurotransmitters and thus modify personality, behavior, and emotion; the genetic underpinnings of many neurological disorders; how technology is providing revolutionary new ways to study parts of the brain; how environmental toxins may be responsible for a number of neurological diseases; and how our new understanding of the brain will affect our perceptions of everything from personality to notions of morality.

Brainscapes is an ideal introduction for the lay reader to the source of all that makes us human. —from Hyperion



Hyperion, 1995,
 149 pages,
 5 3/4" x 8 1/2",
 hardcover,
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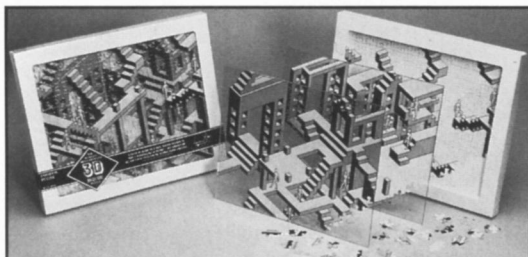
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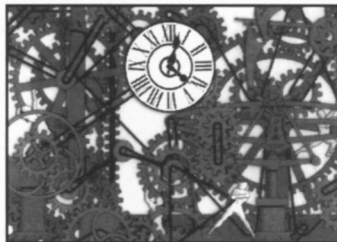
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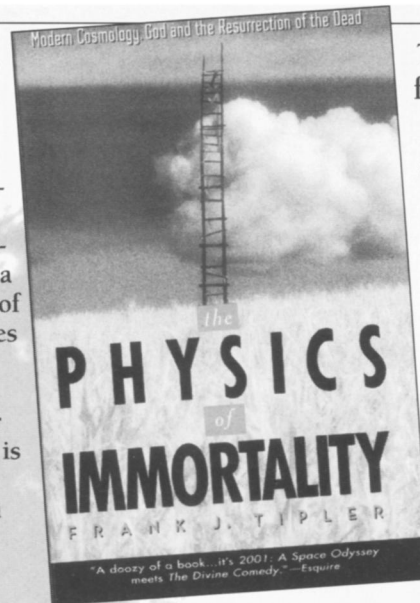
Can science irrefutably confirm the existence of God? Will physicists of the future be able to resurrect human life? In *The Physics of Immortality*, physicist Frank Tipler argues unequivocally, yes!

Like many modern scientists, Tipler, an expert in global general relativity, was an atheist who gave little thought to questions of theology. Yet in devising a mathematical model of the end of the universe, Tipler came to a stunning conclusion: Using the most advanced methods of modern physics, relying solely on the rigorous procedures of logic, he had found proof of the existence of God.

Tipler's model of the universal end-time is called the Omega Point Theory. For the past seventeen years, Tipler has explored the implications of the theory, one of which is even more astonishing than the evidence of God's existence: It is not only possible, but likely, that every human being who ever lived will be resurrected from the dead.

In *The Physics of Immortality*, Tipler guides the reader through the details of his exhilarating discoveries. Displaying an incredible command of disciplines as diverse as computer science, economics, particle physics, cosmology, and evolutionary biology, Tipler constructs a plausible argument for God and the universal resurrection. No reader, whether skeptic or believer, will look at the universe in the same way after encountering this masterful work.

—from Anchor Books



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Anchor Books, 1995, 527 pages, 5 1/4" x 8", paperback, \$14.95

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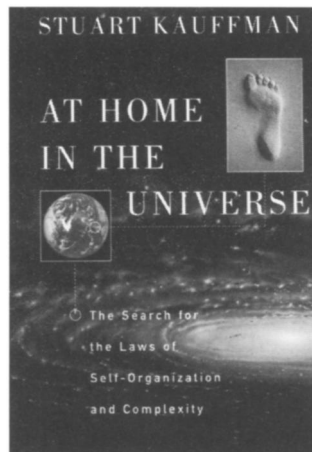
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Oxford University Press,
1995, 321 pages, 6 1/4" x 9 1/2",
hardcover, \$25.00



A MAJOR SCIENTIFIC REVOLUTION HAS BEGUN, A NEW PARADIGM that rivals Darwin's theory in importance. At its heart is the discovery of the order that lies deep within the most complex of systems, from the origin of life to the workings of corporations to the rise and fall of civilizations. More than anyone else, this revolution is the work of one man, Stuart Kauffman, a MacArthur Fellow and visionary pioneer of the science of complexity. In *At Home in the Universe*, Kauffman brilliantly weaves together the excitement of intellectual discovery and insights to give the general reader a fascinating look at this new science—and the forces for order that lie at the edge of chaos.

We all know of instances of spontaneous order in nature—an oil droplet in water forms a sphere; snowflakes have a six-fold symmetry. What we are only now discovering, Kauffman says, is that the range of spontaneous order is enormously greater than we had supposed. Indeed, self-organization is a great undiscovered principle of nature. How does this spontaneous order arise? Kauffman contends that complexity itself triggers self-organization, or what he calls "order for free"; that if enough different molecules pass a certain threshold of complexity, they begin to self-organize into a new entity—a living cell.

We see how a single-celled embryo can grow to a complex organism with over 200 different cell types. We learn how the science of complexity extends Darwin's theory of evolution by natural selection. And we gain insights into biotechnology, the stunning magic of the new frontier of genetic engineering—generating trillions of novel molecules to find new drugs, vaccines, enzymes, biosensors, and more.

—from Oxford University Press

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