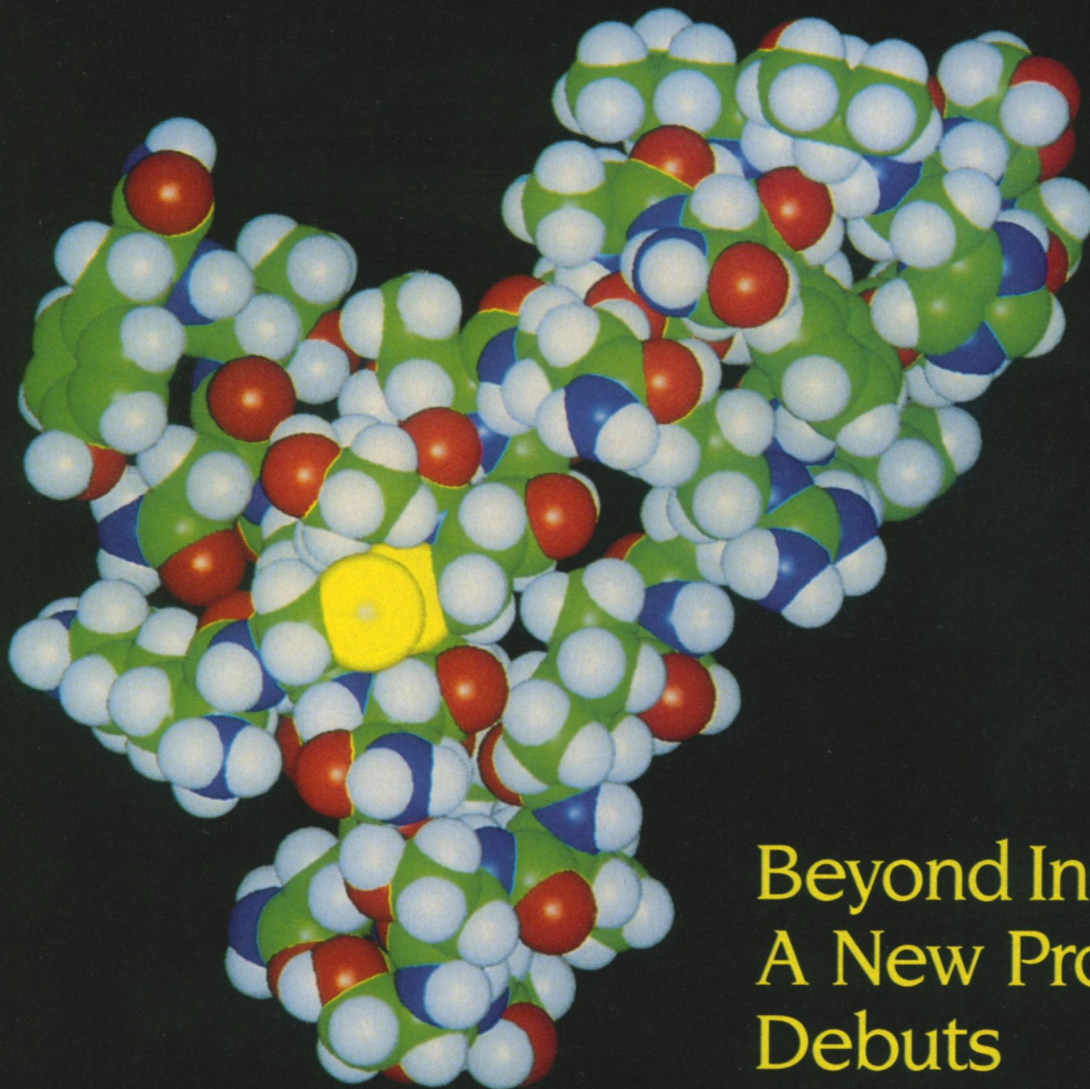


The Weekly Newsmagazine of Science

SCIENCE NEWS

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Beyond Insulin:
A New Protein
Debuts

UNDER THE MICROSCOPE

A HIDDEN WORLD REVEALED



JEREMY BURGESS · MICHAEL MARTEN · ROSEMARY TAYLOR

Under the Microscope is above all a celebration of the beauty and variety of microscope imagery. In more than 300 color and black-and-white photographs, ranging from a fruit fly's face magnified 110 times to uranium atoms magnified 120 million times, this book gives an unparalleled view of the microworld that will intrigue and inform readers from all backgrounds. Following a general introduction to microscopy, successive chapters cover the human body, animals, plants, microorganisms and the fundamental unit of life — the cell. The technical appendix provides a history of microscopy and an overview of specialized and novel types of microscopes, as well as detailed descriptions of light and electron microscopes, how they work and how specimens are prepared for them.

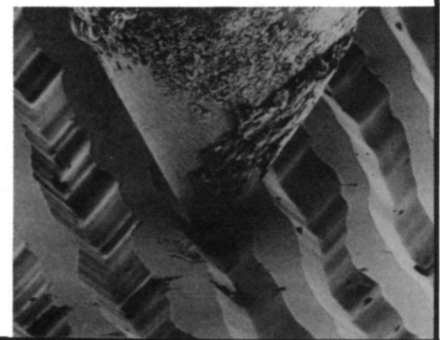
— from the publisher

"The widest and most attractive compilation . . . wonderful images to admire and pore over!"

— Scientific American

Cambridge Univ. Pr.,
1987, 208 pages,
9 1/2" x 10 1/2",
paperback, \$19.95

Originally published as *Microcosmos*



Science News Books, 1719 N Street, NW, Washington, DC 20036

UnderMicro

Please send me _____ copy(ies) of *Under the Microscope*. I include a check payable to Science News Books for \$19.95 plus \$2.00 postage and handling (total \$21.95) for each copy. Domestic orders only.

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RB 1327

SETI Pioneers Scientists Talk About Their Search for Extraterrestrial Intelligence

By David W. Swift

Why did some scientists decide to conduct a search for extraterrestrial intelligence? What obstacles did they encounter along the way? To learn about their search, to preserve historical information not otherwise available and to discover more about how scientific fields originate and develop, sociologist David Swift interviewed the first scientists to be involved in this fascinating quest.

These SETI pioneers reveal not only their involvement in the search, but also the facets of their personal backgrounds that led them to participate and their speculations about the nature of extraterrestrial life. Each interviewee is asked the same set of questions to facilitate comparison of how their careers developed.

While a host of books have considered the search for extraterrestrial intelligence, none has considered the motivations of the individuals who initiated it; nor have any books documented from the participant's perspective the emergence of a new field of science while it was actually evolving. This collection of interviews thus sheds important light not only on the search for other life forms in our universe, but also on the nature of scientific discovery.

— from the publisher

The SETI Factor By Frank White

How the Search for Extraterrestrial Intelligence is Revolutionizing Our View of the Universe and Ourselves

In *The SETI Factor*, Frank White looks at how the Search for Extraterrestrial Intelligence (SETI) is changing our view of the universe, our planet and ourselves. What are the implications of finding no one "out there"? What would contact with extraterrestrials mean for mankind? Interviews with top scientists and experts, such as Isaac Asimov and Carl Sagan, examine these and other repercussions of the search and lead White to conclude that we are on the verge of a revolution in our view of the universe and of our own planet — an entirely new cosmology. White concludes with specific recommendations for how mankind can prepare for these coming changes.

— from the publisher

SETI Factor: Walker & Co., 1990, 250 pages, hardcover, 6 1/4" x 9 1/4", \$19.95

SETI Pioneers: Univ. of Arizona Press, 1990, 434 pages, hardcover, 6 1/4" x 9 1/2", \$35.00

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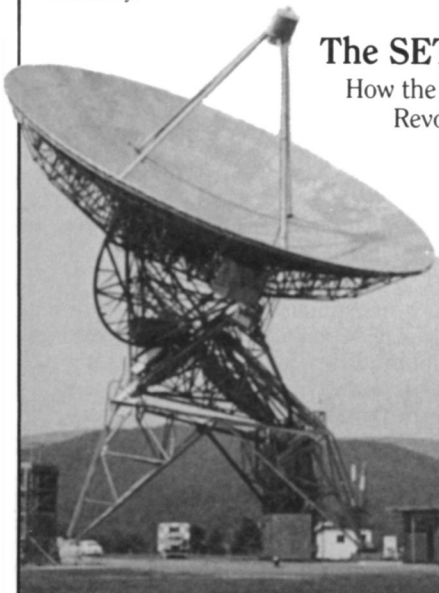
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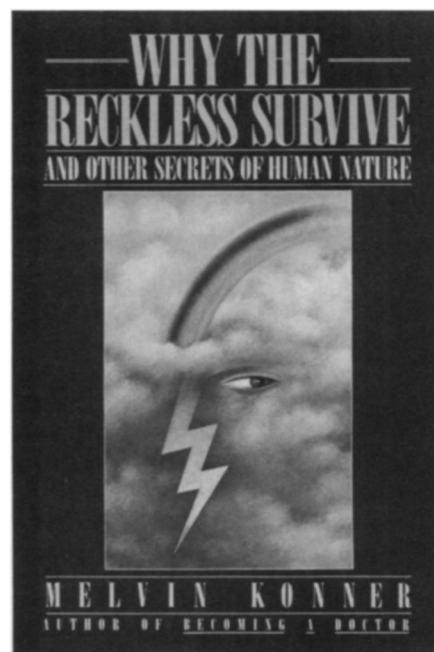
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RB 1326



With artificial intelligence systems increasingly adept at duplication of human mental faculties and with a growing body of evidence that other animals experience emotions and have recognizable personalities, what remains that is exclusively human? Recent scientific advances have been unraveling the molecular order of the brain, mind and behavior, but Konner argues that these advances are only the beginning of a scientific understanding of human nature. For the tendencies that are associated with humanity — love, responsibility and decency, among others — to prevail as they do in human societies requires the framework of culture, within which individuals reflect on and modify or restrain biological tendencies.

In this incisive and thought-provoking collection of essays, Konner meditates on this relationship between humankind's biological and cultural selves. With wit and eloquence he explores the complexity of human nature — from African healing trances to the universal use of a smile in greeting — and explains what we have learned about these behaviors in fields as disparate as sociology and molecular biology.



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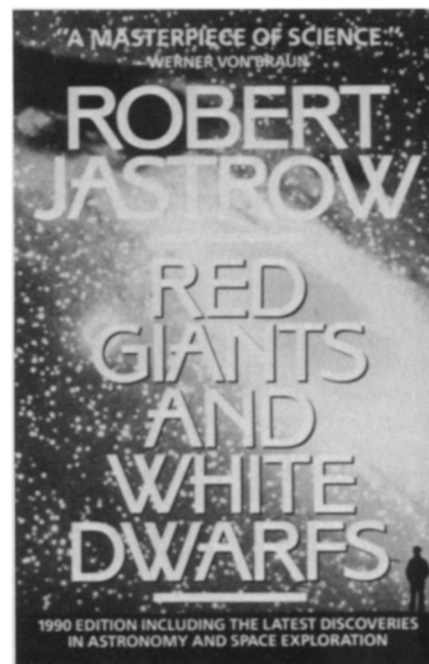
Viking Penguin,
 1990, 306 pages,
 5¾" x 8¾",
 hardcover, \$18.95

"A beautifully written, spellbinding book filled with new facts and fresh insights about the human mind, body and soul. Seldom does the technical competence of a practicing scientist find itself so happily matched with uncommon literary gifts."
 —Marvin Harris,
 author of **Our Kind**

RED GIANTS AND WHITE DWARFS is one of those great rarities in science and literature — a lucid and fascinating discussion of the most fundamental questions regarding the origin of the world and the place of man in the cosmos.

Robert Jastrow, an internationally known astronomer and authority on life in the universe, blends a crisp style with a selection of remarkable photographs to reveal the birth and death of stars and planets and the emergence of intelligent life. The new edition includes the latest findings on the origin and probable fate of the universe, giant black holes and quasars, the exploration of the moon and Mars, and travel to other stars. The author's observations of Darwin, Rutherford and other pioneer scientists add a compelling human element to the story.

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W.W. Norton & Co.,
 1990, 269 pages,
 paperback, 6" x 9",
 \$11.95

"Seldom does a scientist make himself this comprehensible to the layman."

— Publishers Weekly