

The Weekly Newsmagazine of Science

# SCIENCE NEWS

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## Picturing the Cosmos

# 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.

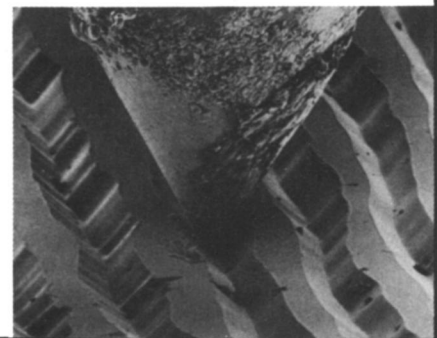
— from the publisher

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

— Scientific American

Cambridge Univ. Pr.,  
1987, 208 pages,  
9½" x 10½",  
paperback, \$22.95

Originally published as *Microcosmos*



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

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A GUIDE TO BIRD-SONG IDENTIFICATION



Richard K. Walton & Robert W. Lawson

**Birding by Ear, Western:** Three cassette tapes accompany a booklet showing a line drawing of each bird and briefly describing its habitat and voice characteristics. Ninety-one common western species are grouped by their audio similarity into nineteen learning categories characterized by such terms as "hummers," "high-pitchers" and "warbling songsters." Birds also are grouped by habitat, such as "Pacific coastal forests," "urban parks" and "deserts and canyons." Good for the beginning birder or advanced visual birder.

— from the publisher

Western: Houghton-Mifflin, 1990, 3 tapes, 64-page booklet, \$35.00

## Birding by Ear, Eastern/Central

provides a system for learning bird song in general, including unfamiliar and new songs and calls. As you proceed through

the learning groups such as mimics, whistlers and name-sayers, you will develop techniques and vocabulary useful in characterizing and recalling bird song. Three cassette tapes accompany a booklet showing a line drawing of each bird and briefly describing its habitat and voice characteristics. Eighty-five common species are grouped by their audio similarity into seven learning categories. Good for the beginning birder or the advanced visual birder.

— from the publisher

## PETERSON FIELD GUIDES

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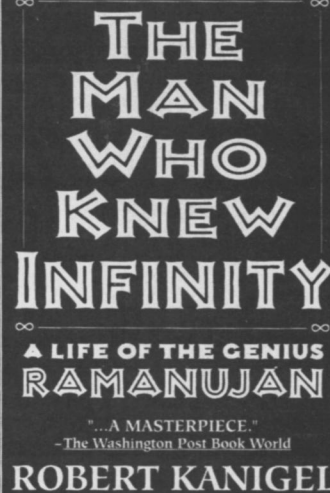
*"Superbly evocative . . . thoroughly captivating . . . one of the most romantic stories in the history of mathematics – [a] rags-to-mathematical-riches tale. . . . Even a complete innumerate can enjoy Mr. Kanigel's richly detailed book."*

— John Allen Paulos, *The New York Times Book Review*

In 1913, a young, unschooled Indian clerk wrote a letter to G. H. Hardy, begging the pre-eminent English mathematician's opinion on several ideas he had about numbers. Realizing the letter was the work of a genius, Hardy arranged for Srinivasa Ramanujan to come to England. Thus began one of the most improbable and productive collaborations ever chronicled. . . . Robert Kanigel takes us from the temples and teeming slums of Madras to the courts and chapels of Cambridge University, where the devout Hindu Ramanujan tested his brilliant theories alongside the sophisticated and eccentric Hardy. In time, Ramanujan's creative intensity took its toll: He died at the age of thirty-two and left behind a magical and inspired legacy that is still being plumbed for its secrets today.

— from the publisher

"A gem....What Mozart was to music and Einstein was to physics, Ramanujan was to math...."  
—Clifford Stoll, author of *The Cuckoo's Egg*



WSP, 1991, 436 pages, paperback, 5 1/4" x 8 1/4", \$12.00

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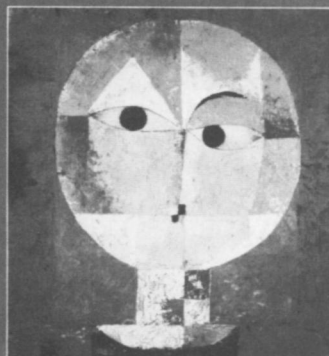
**"Sandra Ackerman is to be congratulated on her clear distillation of themes from the [Decade of the Brain] symposium into this book, which introduces neuroscience to those who may be approaching it for the first time."** — James D. Watson, *from the Foreword*

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— from the publisher

DISCOVERING THE  
**BRAIN**



Sandra Ackerman  
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INSTITUTE OF MEDICINE  
NATIONAL ACADEMY OF SCIENCES

NATL ACAD PR, 1992, 180 PAGES, 6 1/4" x 9 1/4", HARDCOVER, \$22.95

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