

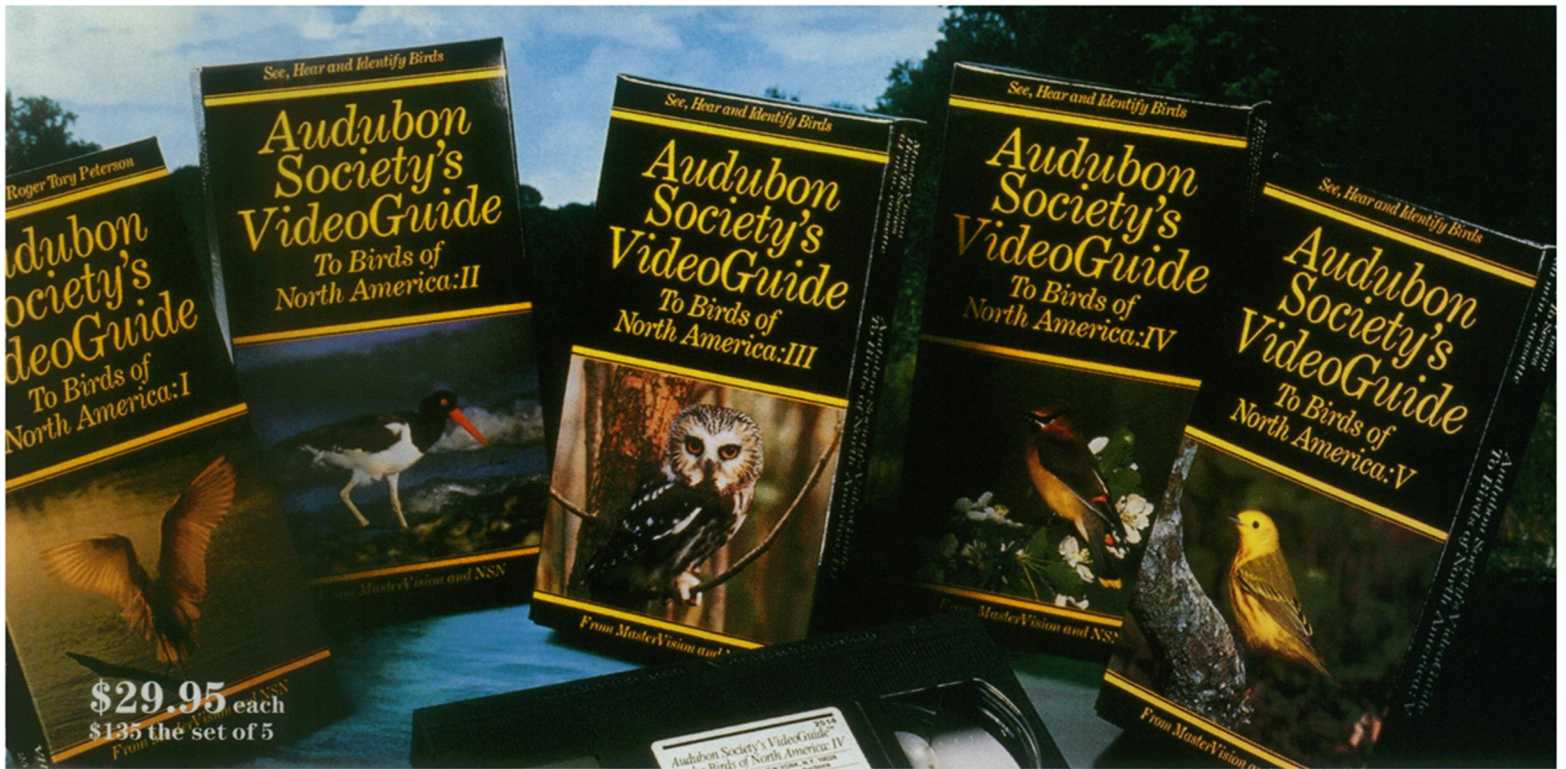
The Weekly Newsmagazine of Science

# SCIENCE NEWS

November 23, 1996  
Vol. 150, No. 21  
Pages 321-336

## The Sense of Noise





# See, Hear & Identify 505 Birds By Video

"A skillful mix of video and stills that will delight and inform." --New York Times

"A fine investment and an important addition to printed bird guides." --Philadelphia Inquirer

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**Volume II:** 105 species of water birds, including herons, egrets, cranes, terns, alcids, and others. 78 minutes

**Volume III:** 77 species of doves, cuckoos, owls, hummingbirds, swifts, woodpeckers, and others. 61 minutes

**Volume IV (Songbirds I):** 98 species of flycatchers, larks, nuthatches, creepers, wrens, thrushes, waxwings, shrikes, thrashers, vireos, and many others. 75 minutes

**Volume V (Songbirds II):** 109 species of warblers, orioles and blackbirds, tanagers, grosbeaks, finches, buntings and sparrows, and others. 80 minutes

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## New Butterfly Videos

**Audubon Society's Butterflies for Beginners** is an easy-to-follow, informative introduction to the butterfly's biology and life cycle, with up-close looks at and identification tips for 33 of the most common and wide-ranging North American species. 64 minutes

**Audubon Society's Butterfly Gardening** is a comprehensive video introduction to 25 of the best commercially-available butterfly attracting plants, with profiles of 60 of the classic North American garden butterflies that frequent them. 64 minutes

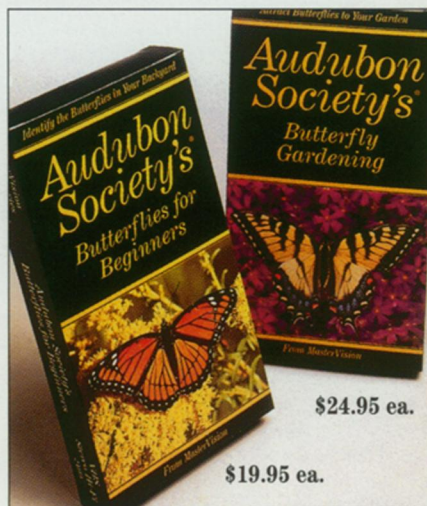
### CONTENTS

#### Butterflies for Beginners:

- Butterfly Biology and Lifecycle
- Butterfly Gallery--33 North American butterfly species
- Raising Butterflies from Caterpillars
- A Note about Butterfly Collecting

#### Butterfly Gardening:

- Gardening for Butterflies Basics
- Plant Gallery--25 common garden plants
- Butterfly Gallery--60 classic North American butterflies
- Raising Butterflies in your Garden



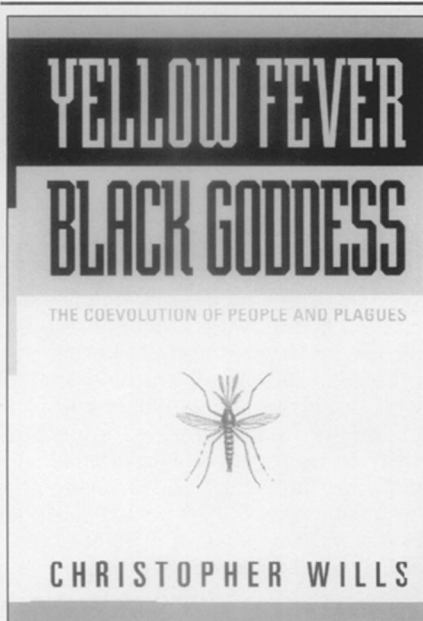
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Addison-Wesley, 1996, 324 pages,  
 6 1/4" x 9 1/2", hardcover, \$24.00

Outbreaks of new and terrifying diseases—Ebola, Lassa fever, the Marburg virus—continue to make headlines. These news stories, as well as the success of such books as *The Hot Zone* and *The Coming Plague*, testify not only to our inherent fascination with devastating plagues, but also to our feeling of vulnerability.

*Yellow Fever, Black Goddess* turns the tables on past accounts, focusing not on the microbe hunters but on the microbes themselves. Humans acknowledge the existence of our planet's most primitive inhabitants only when they do their worst, emerging to strike down whole populations in rampaging epidemics. But the protozoa, bacteria, and viruses that cause such diseases as yellow fever and cholera lead complex lives of their own, struggling ever farther out on their evolutionary limbs.



Moreover, the evolutionary interaction of microbes and humans has done much to shape both species. The genetic diversity that makes each of us unique also protects us from infection. In a reciprocal relationship, our own responses to disease affect the ways in which the pathogens themselves evolve.

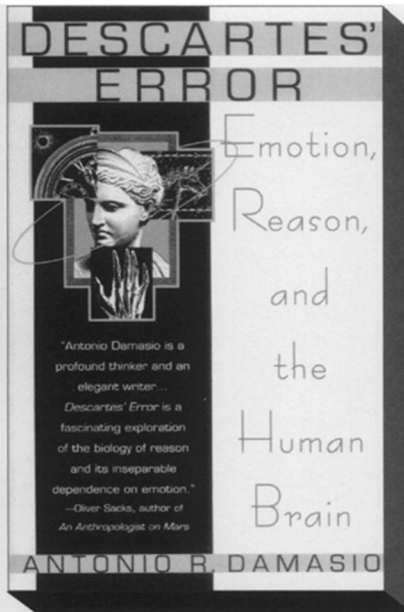
Christopher Wills points the way toward understanding the entire evolutionary environment in which microbes function—from tropical breeding grounds to resistant temperate zones, from insect viruses to human plagues—and through this alone can we hope to control them.

—from Addison-Wesley

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Avon, 1994, 312 pages,  
 5 1/4" x 8", paperback,  
 \$12.50



In this wondrously lucid and engaging book, renowned neurologist Antonio R. Damasio demonstrates what many of us have long suspected: Emotions are not a luxury. Rather, emotions are essential to rational thinking.

*Descartes' Error* takes the reader on an enthralling journey of scientific discovery, starting with the peculiar case of Phineas Gage—a construction foreman who in 1848 survived a freak accident in which a 3 1/2 foot iron rod passed through his head. It continues with Damasio's experiences with modern-day patients affected by brain damage. Based on these cases, Damasio challenges the separation between reason and emotion that has served as the foundation of Western science and philosophy for centuries. Far from interfering with rationality, his research shows us, the absence of emotion and feeling can *break down* rationality and make wise decision making almost impossible. Damasio also offers a novel perspective on what feelings actually are: a direct view of our own body states, a link between the body and its survival-oriented regulations and consciousness.

Written with clarity, grace and a storyteller's talent, *Descartes' Error* will change forever the way we view the relationship between mind and body. —from Avon

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