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**The Armchair Aviator**—John Thorn and David  
Reuther, Eds. This book is about the saga of  
man in the air, from dream to reality, from  
aeronaut to astronaut. The editors' aim has been  
to provide, through what they feel is the best that  
has been written on the subject, a panoramic  
view of aviation history, lore, technique, literature  
and people. Scribner, 1983, 307 p., illus. by Bob  
Carroll, \$19.95.

**DNA For Beginners**—Israel Rosenfield and  
Edward Ziff. A biochemist and an MD collabo-  
rate to explain why DNA is so important. Starts  
with its discovery in the mid-19th century, looks  
at the mechanisms believed to be important in  
its functioning, presents recent findings in this  
research area and examines the impact of DNA  
research on society. All this is done in cartoon  
form with underlying visual humor for the adult  
reader. Writers & Readers (Norton), 1983, 223  
p., illus. by Borin Van Loon, paper, \$6.95.

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Cover: The differing rates at which heat and salt diffuse through water create intricate flow patterns. The "Christmas-tree" pattern shown is a laboratory demonstration of the effect of a point source of heat at the base of a salinity gradient. Related convection processes may occur in oceans solar ponds, lava flows and stars. (Photo: © Herbert E. Huppert)

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**The Dynamic Earth**—Richard Siever et al. An up-to-date picture of our planet and the forces that keep the "Earth in a steady state of constant change." The articles in this book originally appeared as the September 1983 issue of SCIENTIFIC AMERICAN. WH Freeman, 1983, 116 p., color/b&w illus., paper, \$13.95.

**Herpes: The Facts**—J. K. Oates. Discusses for the general reader the virus herpes simplex and the diseases it causes in humans, concentrating especially on genital herpes. Penguin, 1983, 123 p., illus., paper, \$3.95.

**The Managed Heart: Commercialization of Human Feeling**—Arlie Russell Hochschild. According to this sociologist, approximately one-third of American workers today have jobs that subject them to substantial demands for emotional labor. This labor, in the author's words, requires one to induce or suppress feeling in order to sustain the outward countenance that produces the proper state of mind in others. This book is designed to uncover the heart of emotional labor, to understand what it takes to do it and what it does to people. U of Cal Pr, 1983, 307 p., \$14.95.

**North American Marsh Birds**—Gary Low and William Mansell. Marshes are the birthplace and the nursery of more forms of life per acre than any other kind of topography or habitat. For a great number and diversity of interesting species there is no better area for watching birds than the marsh. Beautiful drawings by a wildlife artist and interesting text combine to make this a fascinating volume. Har-Row, 1983, 192 p., color/b&w illus., \$44.95.

**The Paradoxicon**—Nicholas Falletta. A collection of contradictory challenges, problematical puzzles and impossible illustrations. Although many of these fascinating problems involve sophisticated concepts and logical reasoning, none of them, according to the introduction, require the reader to have knowledge of anything beyond a reasonable vocabulary and simple arithmetic. Doubleday, 1983, 230 p., illus., \$14.95.

**Submarines**—Antony Preston. The story of the submarine from the first practical design in 1578 to the plans for the Trident submarines—the Ohio class. In text and photographs the book records the role of this remarkable craft in military and scientific history. St. Martin, 1983, 192 p., color/b&w illus., \$24.95.



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