

treated in popular or classical music, in the progression of art history, in literature, and in the medical professions, to name a few. A teacher at any age level and in almost any discipline should find a treatment of the subject of death that would be usable and workable in his classroom. *Discussing Death* is a reference that should be useful to teachers as well as to parents.

Mary Wise
Northern Virginia Community College
Alexandria, Virginia

ABORTION AND THE SANCTITY OF HUMAN LIFE: A PHILOSOPHICAL VIEW, by Baruch Brody. 1975. The Massachusetts Institute of Technology Press. (Cambridge, Massachusetts 02142). 162 p. Price not given. Hardback.

A review of the current literature is not necessary to realize the significant increase in printed material available on this subject. Although many persons, both scholarly and lay, may consider further discussion unproductive, Brody has made a significant contribution to the logic that will ultimately manifest itself in society's continued sanction (or lack of sanction) of abortion. Brody's style meets the standards

the MIT Press imposes, namely, intelligence and sensitivity with scholarship and compassion.

This book will serve as a useful tool in developing one's own convictions on the subject of abortion. Not only biologists but all scientists, as well as physicians, theologians, philosophers, and politicians will benefit by examining Brody's thesis, which is that abortion is not morally justifiable. The author does not disregard conclusions different from his, but chooses to handle the problem with a philosophical-analytical approach. He relies on intuition (providing the reader with a keen awareness of its value) and analogy for the development of his logic. In a number of instances he chooses to present a number of logical arguments and then addresses himself to those arguments. Occasionally those arguments become difficult to follow. He overcomes this by not only concluding each section with a precis but also by ending the text with an epilogue. He includes a section on the U.S. Supreme Court decision because of the profound contrast to the position that he advocates.

Brody does not ignore the major issues but confronts them intelligently

with exhaustive and lucid insight requiring careful and thorough study. Although there is no bibliography, there is good documentation. This book is a welcome contribution to the public debate on abortion. It belongs in public, academic, and research libraries.

Robert W. Naismith
Pennsylvania State University
Dunmore

Zoology

FUNDAMENTALS OF ORNITHOLOGY, by Josselyn Van Tyne and Andrew J. Berger. 2nd ed., 1976. John Wiley & Sons, Inc. (605 Third Avenue, New York 10016). 808 p. \$22.50 hardback.

Major topics of ornithology are presented in a logically organized way in this updated edition of a basic textbook primarily intended for graduate students studying birds of the world. Subjects treated in the first three-fourths of the book include the origin of birds, their anatomy and physiology, behavior, distribution, migration, flight, food, courtship, and care of young. One chapter on social relations appearing in the first edition has been

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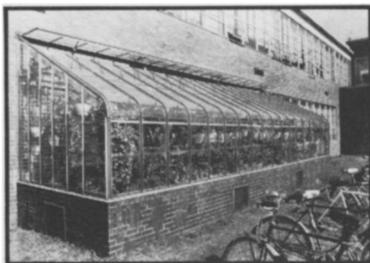
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deleted. Expanded topics include breeding behavior and avian physiology. Illustrations have been increased from 254 to 528. These occur as excellent line drawings and black and white photographs.

Two outstanding features of this book include exhaustive up-to-date references, many from recent standard ornithological journals, at the end of each chapter and a one-page description outlining each of the 168 families of birds of the world. This feature includes for each an excellent drawing by George M. Sutton and a brief statement about physical characteristics, range, habits, food, breeding, technical diagnosis, classification, and references.

The above features, in addition to making this book an essential for the graduate student, make it highly desirable for biology teachers, professional and amateur ornithologists, comparative anatomists, and taxonomists. This book should be available in high school as well as college libraries.

Arthur D. Meyer
Lakewood High School
Lakewood, Ohio

THE INTERNATIONAL BUTTERFLY BOOK, by Paul Smart, FRES. 1975. Thomas Y. Crowell Co. (666 Fifth Ave., New York 10019). 275 p. \$19.95 hardback.

Beautiful color photographs of butterflies and skippers occupy the greater portion of this superb book. Brief but very adequate summaries of identification, classification, development, ecology and distribution make the book both useful and complete. A thorough treatment of color variations and adaptations is also included. The book will be quite helpful to hobbyists and professionals alike as a source of general information and as a means of naming many butterflies. However, since "eyeball" identification of insects to species by amateurs can often be unreliable in the larger genera, difficulty may arise when certain butterflies are named from this book. The species presented were selected on a worldwide basis, with more emphasis on the bigger, showier, more exotic types. The absence of some North American species (omitted for lack of space) will make the book a bit less useful.

The book is well written, beautifully set up with a variety of type faces, and will provide hours of pleasure for those who enjoy the symmetry, form, and prismatic range of colors found in butterflies. It is the best of the butterfly books in the "new" natural history publications that have been appearing since the advent of more economical

(and more accurate) methods of color reproduction.

This truly is a rewarding book for those who appreciate the almost miraculous changes that transform a drab, seemingly simple, wormlike creature on a specific host plant into a free-flying, highly colored, complex adult—which in due time returns to exactly the same host plant to lay eggs. One can also appreciate the adaptive value and apparently unlimited range of color patterns evolving in butterflies, which may match, complement, or counter certain colors and patterns in the environment.

This book is strongly recommended to all who have an interest in natural history, biology, and ecology.

Fred A. Lawson
University of Wyoming
Laramie

Audiovisuals

LAND USE AND MISUSE. 1975. Learning Corporation of America, 1350 Avenue of the Americas, New York 10019. 16-mm color-sound film. 12 minutes, 42 seconds. Purchase \$175. Rental \$20.

This movie reflects human influence on such natural processes as photosynthesis and the water cycle. It dramatizes the effects of increasing numbers of cars and high-rise buildings and of decreasing availability of natural areas. Creeping human expansion has greatly affected the albedo of the earth. Higher temperatures in cities cause temperature inversions—which, in turn, cause maintenance of the higher temperature level. The removal of vegetation can lead to erosion and eventually deserts. The use of fertilizers, pesticides, and other artificial ingredients contaminates the water. Therefore, increased urbanization has occurred at the expense of green plants.

There are some brief shots of blighted areas such as vacant lots and condemned beaches. The desert is used to show how a tropical paradise was devastated. An experiment is presented to show what happens when vegetation and ground cover are removed. The top soil can lose water very rapidly, with the result that the water table is not replenished.

Students in my environmental studies and ecology classes felt that the movie was not sufficiently technical to suit their purposes at a senior high school level. Instead it was recommended to be shown in junior high school science