

torn sprocket holes. Recently we received a new Bell & Howell projector with an automatic threading feature. We have found that because of the condition of the films, the projector will not thread these films. Obviously, we can't replace all of our films. Can anything be done to allow us to use this projector with the films we have?

Alan Ascher
South Shore High School
Brooklyn, New York

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contact: The Perf-Fix Company, P.O. Box 3208, Santa Monica, California 90403.

BOOKS RECEIVED

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, VOLUMES I AND II, by Edward J. Fairchild, Richard J. Lewis, Sr. and Rodger Tatken, eds. 1977. United States Department of Health, Education, and Welfare, National Institute for Occupational Safety and Health, Washington, D.C. 1,912 p. Price not given.

GENETICS OF HUMAN POPULATIONS, by Albert Jacquard in collaboration with Andre Cheventre, Laurent Degos, Andre Langaney, and Philippe Lefevre-Witier. English edition by Demetrios M. Yermanos. 1978. Freeman, Cooper, and Company, San Francisco, California. 192 p. Price not given.

GUIDE TO FOSSIL MAN, by Michael H. Day, 3rd ed., 1978. The University of Chicago Press, Chicago. 346 p. \$15.

EDIBLE AND USEFUL PLANTS OF CALIFORNIA, by Charlotte Bringle

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THE TANTALIZING DISCLOSURES OF A WELSH GIRL, by Dollie Clare. 1978. Philosophical Library, New York. 142 p. \$8.50.

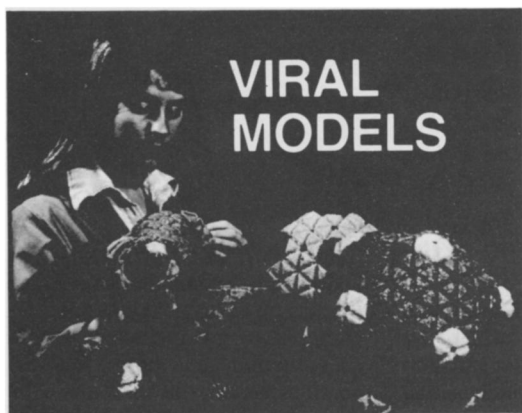
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PLANTS AND ANIMALS OF THE PACIFIC NORTHWEST, by Eugene N. Kozloff. 1978. University of Washington Press, Seattle. 280 p. \$8.95 softback; \$17.50.

DESERT JOURNAL, by Raymond B. Cowles, in collaboration with Elna S. Bakker. 1978. University of California Press, Berkeley. 262 p. \$4.95.

CHILDREN OF THE WILD, by John R. Burger and Lewis Gardner. 1978. Julian Messner, New York. 125 p. Price not given.

FIELD GUIDE TO SEASHELLS OF THE WORLD, by Gert Lindner. 1978. Van Nostrand Reinhold, New York. 271 p. \$12.95 hardback; \$8.95 softback.



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WONDERS OF TERNS, by Elizabeth Anne Schreiber. 1978. Dodd Mead, New York. 64 p. \$5.95.

ANIMALS ALONE AND TOGETHER, by Margaret Cosgrove. 1978. Dodd Mead, New York. 128 p. \$5.95.

BIRD FLIGHT, by Georg Ruppell. 1978. Van Nostrand Reinhold, New York. 190 p. \$18.95.

SNAKES, by Nina Leen. 1978. Holt, Rinehart and Winston, Inc., New York. 80 p. \$6.95.

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THE STATE OF ACADEMIC SCIENCE, by L. R. Smith and Joseph J. Karlesky (eds.). 1978. Change Magazine Press, New York. 192 p. \$5.95.

SPELEOLOGY: THE STUDY OF CAVES, by George W. Moore and G. Nicholas Sullivan. 1978. Zephyrus Press, Inc., Teaneck, New Jersey. 150 p. Price not given.

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BIRDS OF BRITAIN AND EUROPE, by Dennis Avon and Tony Tilford. 1978. Blandford Press, London. 174 p. \$6.95.

THE BIOLOGY OF CRABS, by G. F. Warner. 1978. Van Nostrand Reinhold, New York. 202 p. \$14.95.


THE BIOCHEMICAL BASIS OF NEUROPHARMACOLOGY, by Jack R. Cooper, Floyd E. Bloom, and Robert H. Roth, 3rd ed., 1978. Oxford University Press, New York. 328 p. \$13.95 hardback; \$6.95 softback.

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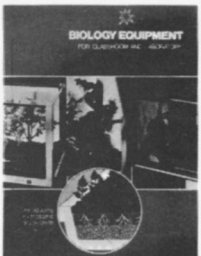
THE MINDFUL BRAIN, by Gerald M. Edelman and Vernon B. Mountcastle. 1978. The Massachusetts Institute of Technology Press, Cambridge, Massachusetts. 100 p. \$10.

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THE BIOCHEMISTRY OF VIRUSES, by S. J. Martin. 1978. Cambridge University Press, London. 145 p. Price not given.

MICROANATOMY OF CELL AND TISSUE SURFACES: AN ATLAS OF SCANNING ELECTRON MICROSCOPY, by Pietro Motta, Peter M. Andrews, and Keith R. Porter. Lea and Febiger, Philadelphia. 1977. 189 p. \$25.

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Letters

... from p. 442

are said to be selectively permeable, allowing selected solutes to diffuse across them. It is interesting to note that in a system where a semipermeable membrane is separating two

solutions, isotonic solutions will also be isotonic. However, because biological membranes are selectively permeable and the two solutions may well have different solutes, isotonic solutions will commonly not be isotonic as Gottlieb states.

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Gottlieb Comments

I appreciate Lutton and Wurst's comments and agree completely with their differentiation between semipermeable and selectively permeable membrane. I, too, draw the same distinction. That is why in my article (ABT 40:5) I use the phrases "take into consideration the permeability properties of a membrane" and "the differential permeability properties of the membrane."

A word of caution when using the phrase "selectively permeable." I have observed that a significant number of students think that "selective" implies permeability only to those substances that are "beneficial" to the cell and impermeable to substances that are "harmful" to the cell. It must be stressed that "selective" has to do with the physical and chemical properties of the membrane as well as the solute and may be independent of the welfare of the cell. It is understood that evolutionary forces helped select membranes with certain physicochemical characteristics.