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On Size and Life—Thomas A. McMahon and
John Tyler Bonner. A biologist and an engineer
here consider the implications of size and shape
for living organisms. Discusses the role of size in
natural selection, analyzes why size appears to
impose specific restrictions on shape and vice
versa. Among the tools of science used in the
study of size and life are the microscope, the
camera and such mathematical abstractions as
allometry and dimensional analysis. Discussion
of the physics and the biology of dimensions is
followed by chapters on being large and being
small. Beautiful illustrations enhance the text.
Sci Am Bks (WH Freeman), 1983, 255 p., color/
b&w illus., \$27.95.

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Cover: Sometimes a child has beauty and brains but not enough
emotional glue to piece together his or her potential. A long-term
study of preschoolers provides some clues to the role emotion plays
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Perception—Irvin Rock. Explores our perception
of the size and shape of objects, their dis-
tance from us and their motion. "The mystery of
our perception is how we manage to transcend
the inadequate, distortion-prone, ambiguous,
two-dimensional images established on the reti-
na and achieve the rich, constant, usually cor-
rect three-dimensional representation of the
world that we do." Illusion, when perception fails
to achieve correct representation, is also inves-
tigated here. Many illustrations enable the
reader to participate in perception experiments.
A viewer is provided for seeing the stereograms
included in the text. Sci Am Bks (WH Freeman),
1984, 243 p., color/b&w illus., \$27.95.

Reflections on Gender and Science—Evelyn
Fox Keller. A collection of essays by a mathe-
matical biophysicist that explore the relation be-
tween gender and science—"how the making
of men and women has affected the making of
science." Yale U Pr, 1985, 193 p., \$17.95.

Science Goes to the Dogs—Cartoons by Sid-
ney Harris, foreword by Isaac Asimov. Asimov
suggests that Harris's cartoons not only are de-
lightful but also help us see the world as we've
never seen it before. ISI Pr, 1985, 110 p., illus.,
paper, \$7.95.

**Solid Clues: Quantum Physics, Molecular Biol-
ogy, and the Future of Science**—Gerald Fein-
berg. Predicts the changes that will take place
over the next few decades in the content of sci-
ence and in the lives of scientists. Concentrates
on the human effort to understand the universe
in which we live. S&S, 1985, 287 p., illus., \$17.95.

Understanding Holography—Michael Wen-
yon. Tells what holography is, how it works, how
it has been used, how it can be used, its limi-
tations and its particular properties. This pa-
perback edition has been updated and a sec-
tion has been added on the teaching of holo-
graphy and its uses in education. Arco, 2nd ed.,
1985, 176 p., illus., paper, \$8.95.

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