

excellent reference lists. The authors include Stephen Crane, Samuel Taylor Coleridge, Paul Ehrlich, Elijah L. Jacobs, LaMont C. Cole, Aldous Huxley, Hugh H. Iltis, Edward Teller, René Dubos, Kingsley Davis, and Lynn White, Jr. The topics are historical, sociologic, scientific, and technologic.

Omega should be useful in colleges—although perhaps not popular, because of the feeling of hopelessness it engenders. In secondary schools it probably will have very limited usefulness. Readers need to be told that many of the authors represented here have written other pieces on the same subject, in which they *do* offer some hope for the future.

Jean E. Cooper
East High School
Cheyenne, Wyo.

NATURE STUDY FOR CONSERVATION, by John W. Brainerd. 1971. Macmillan Co., New York. 365 p. \$4.95.

This handbook for environmental education is sponsored by the American Nature Study Society. It is divided into three parts: concepts, techniques, and responsibilities. Brainerd goes into detail about the basic approaches to nature study; then he expands on such topics as minerals, animals, plants, time and energy, and place of study. The book includes many illustrations and diagrams to help the user in the field. It should help the young nature-lover to start off on the right foot, and it should serve the experienced biologist as a reminder and guide.

William R. Thaggard
R. W. Groves High School
Garden City, Ga.

AN EXPERIENCE WITH POPULATIONS, by Darrel Murray and James Bond. 1970. Addison-Wesley Publishing Co., Reading, Mass. 195 p. \$3.25.

This laboratory manual lives up to its goal of giving students an experience with populations. A quick thumb-through gives a good impression—there is a variety of topics and pedagogic techniques—but a more detailed study shows that the use of the material requires much long-range planning. In most exercises students gather their own data; however, some exercises require reading articles that contain the working data. Most of the materials, such as *Scientific American* offprints, are readily available, but some exercises need permission to duplicate articles unless one happens to have, for example, a dozen or so copies of *Ecology* vol. 142. It will be worth the effort: the experiences appear to develop understanding of the problems of populations and their concomitant, pollution. This topic is presented complete with ideas for action: reading

journals, joining citizen action groups, writing letters.

This manual should be effective in changing the attitudes of students; however, it requires careful study before use, because it is full of "in the laboratory see the (such and such)." It was not always clear to me what should be prepared for the student.

John E. Butler
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Arcata, Calif.

POLLUTION, ed. by Robert S. Leisner and Edward J. Kormondy. 1971. Vol. 2 of *Foundations for today* series. William C. Brown Co., Dubuque, Iowa. 92 p. \$1.95 (softback).

This is part of a three-volume set. Vol. 1 is *Population and Food*; vol. 3, *Ecology*. All three volumes are anthologies of articles that have appeared in *BioScience* since January 1968. This volume covers pollution by pesticides, radioactivity, overpopulation, detergent enzymes, oil, and the overheating of air and water. Pertinent problems not covered in some detail include eutrophication (which is covered in *Ecology*), soil pollution (fertilizers, etc.), and "communication" (highways, airlines, power lines, etc.). Of course, the editors are limited to articles from *BioScience*; furthermore, all pollution subjects cannot possibly be covered in one short anthology. 10 of the 23 articles have to do with pesticides, and six of the 10 are concerned with DDT (especially the pros and cons of the fight to secure legislation to ban DDT in Wisconsin). Thus, while some subjects are scantily covered this important subject is unusually well treated.

The articles are concise, well written, informative, and, it seems, scientifically valid. I plan to use the three volumes in our environmental-sciences curriculum. I would recommend them to advanced high school students and to college students.

R. Roy Johnson
Prescott (Ariz.) College

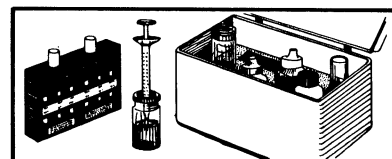
Genetics

ADVANCES IN HUMAN GENETICS, VOL. 2, ed. by H. Harris and K. Hirschhorn. 1971. Plenum Press, New York. 314 p. \$25.00.

This book contains a series of review articles on important research in human genetics. The topics are glucose-6-phosphate-dehydrogenase, albinism, acatalysemia, chromosomes and abortion, and human cell culture. Each article provides a background of information in the history and methodology of the research and either implicitly or explicitly suggests directions for further research. There is an excellent, extensive bibli-

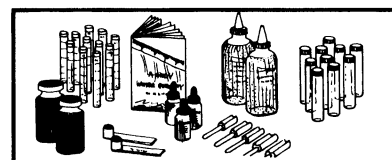
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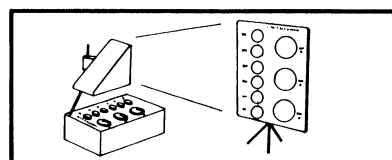
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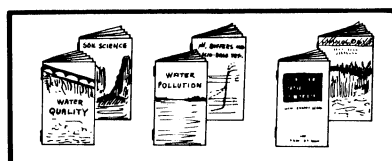
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