

reported to have plopped an especially fine beetle into his mouth for safekeeping. Baron C. R. Osten-Sacken seems to have used a career in the diplomatic service primarily as an excuse to collect flies in interesting places, and Colonel T. L. Casey used a career in the army for building up a notable collection of beetles. Casey, by the way, was one of the first persons to use a microscope for describing beetles, and when he died his microscope was gently placed beside him in his casket. T. D. A. Cockerell published 3904 papers, many of them scribbled on the backs of postcards and rushed off to editors. The crotchety Harrison Dyar feuded with most of his colleagues, including the rotund John B. Smith, after whom he named a species *corpulentis*. Smith is said to have got the better of this exchange, dedicating a species to Dyar and calling it *dyaria* (pronounced, of course, diarrhea).

To a middle-aged entomologist with an interest in the past, like myself, reading this book is like a visit with old friends, a few of whom I knew personally and most of whom I know through their publications. A few of the juicier stories are not here, of course (some of them are doubtless apocryphal), and many of the accounts are somewhat too laudatory, having been compiled mainly from obituaries. But on the whole the author has succeeded in fulfilling his goal of "fleshing out" these men, so that they appear as "something more than a list of publications." His sketches—203 of them—make for much better reading than similar ones in Essig's *History of Entomology*. The book is well researched and notably free of errors. The author has missed a few items that might have enriched his book: for example, Krombein and Baker's warm appreciation of H. S. Fuller. But on the whole this is a valuable book, one that entomologists, historians of science, and students of natural history will want to have on their shelves.

A few words of warning are in order, however. To be chronicled in these pages one must have died prior to 1966. A few notable "old-timers" who have died since that time—for example F. X. Williams and W. T. M. Forbes—are not to be found, nor are a number of persons who began their careers many years ago but who are still with us. At least one octogenarian has a student included in the book although he himself was not eligible. The choice of persons to include was, of course, a difficult one, and I would argue that E. T. Cres-

son, Jr., for example, was more worthy of a biographical sketch than S. W. Bilasing. But I am glad that I did not have to make the decisions on these matters.

"American," by the way, is construed to mean America north of Mexico, so you will not find Costa Lima or other important Latin Americans here. Arrangement is by area of interest. For example, there is a chapter on "notable coleopterists," another on "entomologists of diverse interests." I found A. G. Böving in the latter chapter, though I would have put him in the former, and many other assignments seem rather arbitrary. But there is a good index, so this matter hardly seems worth a lengthy discussion.

George Sarton remarked in 1927: "When shall we be given a good history of entomology?" The question is still a valid one. Nevertheless, we may be grateful to Arnold Mallis for doing a good job with a project of more modest dimensions. There are many fascinating specimens in his collection of insect-lovers. By contrast, contemporary entomologists seem a drab and harried lot, nursing inferiority complexes from having their manuscripts attacked by reviewers, their favorite insecticides condemned by conservationists, their cabinets moved about to make room for computers. C'est la vie.

HOWARD E. EVANS
*Museum of Comparative Zoology,
Harvard University,
Cambridge, Massachusetts*

Books Received

Abrasives. L. Coes, Jr. Springer-Verlag, New York, 1971. viii, 178 pp., illus. \$14.60
Applied Mineralogy, vol. 1.

Advances in Ecological Research. Vol. 7. J. B. Cragg, Ed. Academic Press, New York, 1971. xii, 254 pp., illus. \$11.50.

Advances in Enzymology and Related Areas of Molecular Biology. Vol. 34. F. F. Nord, Ed. Interscience (Wiley), New York, 1971. viii, 620 pp., illus. \$21.50.

Advances in Food Research. Vol. 19. C. O. Chichester, E. M. Mrak, and G. F. Stewart, Eds. Academic Press, New York, 1971. viii, 366 pp., illus. \$19.

Advances in Protein Chemistry. Vol. 25. C. B. Anfinsen, Jr., John T. Edsall, and Frederic M. Richards, Eds. Academic Press, New York, 1971. xii, 378 pp., illus. \$17.50.

Algebra—Programmed. Part 4. Robert H. Alwin, Robert D. Hackworth, and Joseph Howland. Prentice-Hall, Englewood Cliffs, N.J., 1971. xiv, 306 pp., illus. Paper, \$5.25.

Annual Program in Child Psychiatry

and Child Development, 1971. Stella Chess and Alexander Thomas, Eds. Brunner/Mazel, New York; Butterworths, London, 1971. x, 614 pp. \$15.

The Arnold Arboretum. The First Century. S. B. Sutton. Harvard University Arnold Arboretum, Jamaica Plain, Mass., 1971 (available from Bauhan, Peterborough, N.H.). 72 pp., illus. Cloth, \$8.50; paper (from the Arboretum), \$2.75.

Atlas de Paléontologie des Invertébrés. René Verniory. Librairie de l'Université Georg, Geneva, 1970 (distributed by Masson, Paris). 222 pp. + tables. 190 F.

Attitude Change. The Competing Views. Peter Suedfeld, Ed. Aldine-Atherton, Chicago, 1971. vi, 260 pp., illus. Cloth, \$7.95; paper, \$2.95.

The Bacteriophage Lambda. A conference, Cold Spring Harbor, N.Y., Sept. 1970. A. D. Hershey, Ed. Cold Spring Harbor Laboratory, 1971. xii, 792 pp., illus. \$24. Cold Spring Harbor Monograph Series, vol. 2.

Biochemical Preparations. Vol. 13. John H. Law, Ed. Wiley, New York, 1971. xiv, 110 pp., illus. \$9.50.

Biochemistry and Pharmacology of Free Fatty Acids. W. L. Holmes and W. M. Bortz, Eds. Karger, Basel, 1971 (U.S. distributor, Phiebig, White Plains, N.Y.). x, 398 pp., illus. \$23.30. Progress in Biochemical Pharmacology, vol. 6.

The Biochemistry of Functional and Experimental Psychoses. Hans Weil-Malherbe and Stephen I. Szara. Thomas, Springfield, Ill., 1971. xviii, 406 pp., illus. \$18.50. American Lectures in Living Chemistry.

The Brain in Hominid Evolution. Philip V. Tobias. Columbia University Press, New York, 1971. xviii, 170 pp., illus. \$10.

The Cambridge Ancient History. Vol. 1, part 2, Early History of the Middle East. I. E. S. Edwards, C. J. Gadd, and N. G. L. Hammond, Eds. Cambridge University Press, New York, ed. 3, 1971. xxiv, 1058 pp., illus. \$23.50.

Cancer Chemotherapy. F. Elkerbout, P. Thomas, and A. Zwaveling, Eds. Williams and Wilkins, Baltimore, Md.; Leiden University Press, The Netherlands, 1971. xiv, 410 pp., illus. \$17.25. Boerhaave Series for Postgraduate Medical Education.

Changing Syntheses in Development. A symposium, Albany, N.Y., June 1970. Meredith N. Runner, Ed. Academic Press, New York, 1970. xiv, 272 pp., illus. \$13.50. *Developmental Biology*, Supplement 4.

The Closing Circle. Nature, Man, and Technology. Barry Commoner. Knopf, New York, 1971. vi, 326 pp. + index. \$6.95.

Color Aerial Stereograms of Selected Coastal Areas of the United States. Harold R. Cravat and Raymond Glaser. National Oceanic and Atmospheric Administration, Rockville, Md., 1971 (available from Superintendent of Documents, Washington, D.C.). iv, 94 pp. + stereo viewer. \$4.75.

Computer Operating Systems. D. W. Barron. Chapman and Hall, London, 1971 (U.S. distributor, Barnes and Noble, New York). viii, 136 pp., illus. \$6.50. Modern Electrical Studies.

Computers and Computation. Readings from *Scientific American*. Introductions by

Robert R. Fenichel and Joseph Weizenbaum. Freeman, San Francisco, 1971. x, 284 pp., illus. Cloth, \$10; paper, \$4.95.

Crusader Figural Sculpture in the Holy Land. Twelfth Century Examples from Acre, Nazareth and Belvoir Castle. Moshe Barasch. Rutgers University Press, New Brunswick, N.J., 1971. 236 pp., illus. \$15.

Current Topics in Cellular Regulation. Vol. 3. Bernard L. Horecker and Earl R. Stadtman, Eds. Academic Press, New York, 1971. xii, 288 pp., illus. \$16.

Current Topics in Comparative Pathobiology. Vol. 1. Thomas C. Cheng, Ed. Academic Press, New York, 1971. xvi, 278 pp., illus. \$15.

Darwin's Victorian Malady. Evidence for Its Medically Induced Origin. John H. Winslow. American Philosophical Society, Philadelphia, 1971. viii, 94 pp. Paper, \$2. Memoirs of the American Philosophical Society, vol. 88.

Design for Policy Sciences. Yehezkel Dror. Elsevier, New York, 1971. x, 156 pp. \$7.50. Policy Sciences Book Series.

Directory of Educational Programs in Information Science, 1971-1972. Lorna C. Wilkie, Ed. American Society for Information Science, Washington, D.C., 1971. vi, 103 pp. Paper, \$5; \$4.50 to ASIS members.

Doing Fieldwork. Warnings and Advice. Rosalie H. Wax. University of Chicago Press, Chicago, 1971. x, 396 pp. \$10.50.

Drug Misuse. A Psychiatric View of a Modern Dilemma. Committee on Mental Health Services, Group for the Advancement of Psychiatry. Scribner, New York, 1971. 94 pp. Cloth, \$4.95; paper, \$1.95.

Empathy and Birth Order. Some Experimental Explorations. Ezra Stotland, Stanley E. Sherman, and Kelly G. Shaver with the collaboration of R. Crawford and six others. University of Nebraska Press, Lincoln, 1971. viii, 198 pp. \$8.50.

Epoxide Resins. W. G. Potter. Springer-Verlag, New York; Iliffe, London, 1971. viii, 248 pp., illus. \$12.80.

The Erosion of Faith. An Inquiry into the Origins of the Contemporary Crisis in Religious Thought. Thomas A. Idinopulos. Quadrangle, Chicago, 1971. xii, 266 pp. \$8.95.

Evolutsiya Uslovii Nakopleniya Goryuchikh Iskopaemykh. V. Svyazi s Razbitiem Organicheskogo Mira. L. Sh. Davitashvili. Izdatelstvo Nauka, Moscow, 1971. 296 pp., illus. 1 ruble, 59 kopeks.

Foundations of Measurement. Vol. 1, Additive and Polynomial Representation. David H. Krantz, R. Duncan Luce, Patrick Suppes, and Amos Tversky. Academic Press, New York, 1971. xxvi, 578 pp., illus. \$16.50.

Global Politics of Nuclear Energy. Mason Willrich. Praeger, New York, 1971. xii, 206 pp., illus. \$15. Praeger Special Studies in International Politics and Public Affairs.

Handbook on the Principles of Hydrology. With Special Emphasis Directed to Canadian Conditions in the Discussions, Applications and Presentation of Data. Donald M. Gray, Ed. Secretariat, Canadian National Committee for the International Hydrological Decade, Ottawa, 1970 (available from National Research Council of Canada, Ottawa). Various pages, illus. \$10 Canadian.

International Health Organizations and

their Work. Neville M. Goodman. Churchill Livingstone, Edinburgh; Williams and Wilkins, Baltimore, Md., ed. 2, 1971. viii, 408 pp., illus. \$18.25.

An Introduction to American Archaeology. Vol. 2, South America. Gordon R. Willey. Prentice-Hall, Englewood Cliffs, N.J., 1971. xiv, 560 pp., illus. \$24; student edition, \$18.

Introduction to Genetics. D. G. Mackean. Murray, London, ed. 2, 1971 (U.S. distributor, Transatlantic Arts, New York). vi, 42 pp., illus. Paper, \$2.95.

Introductory Biochemistry. M. Frank Mallette, Carl O. Claggett, Allen T. Phillips, and Richard L. McCarl. Williams and Wilkins, Baltimore, Md., 1971. xii, 812 pp., illus. \$16.75.

A Manual on Methods for the Assessment of Secondary Productivity in Fresh Waters. W. T. Edmondson with the collaboration of G. G. Winberg. Published for International Biological Programme by Blackwell, Oxford, England, 1971 (U.S. distributor, Davis, Philadelphia). xxiv, 358 pp., illus. Paper, \$13.50. IBP Handbook No. 17.

The Measurement of Time-Varying Phenomena. Fundamentals and Applications. Edward B. Magrab and Donald S. Blomquist. Wiley-Interscience, New York, 1971. xviii, 348 pp., illus. \$16.95.

Medical and Veterinary Protozoology. An Illustrated Guide. Katherine M. G. Adam, James Paul, and Vigar Zaman. Williams and Wilkins, Baltimore, Md.; Churchill Livingstone, Edinburgh, 1971. viii, 200 pp., illus. \$19.75.

The Medvedev Papers. Fruitful Meetings Between Scientists of the World. Secrecy of Correspondence is Guaranteed by Law. Zhores A. Medvedev. Translated from the Russian by Vera Rich. Macmillan, London; St. Martin's, New York, 1971. xiv, 472 pp. \$11.95.

Mountain Families in Transition. A Case Study of Appalachian Migration. Harry K. Schwarzweller, James S. Brown, and J. J. Mangalam. Pennsylvania State University Press, University Park, 1971. xx, 300 pp. + map. \$10.

Mountain Sheep. A Study in Behavior and Evolution. Valerius Geist. University of Chicago, 1971. xvi, 384 pp. + plates. \$14.50. Wildlife Behavior and Ecology.

National Priorities. Kan Chen. San Francisco Press, San Francisco, 1970. xiv, 98 pp. \$7.95.

Navigation Inertielle Optimale et Filtrage Statistique. P. Faurre, L. Camberlein, J. J. Chevreul, P. Lloret, and C. Messan. Dunod, Paris, 1971. xvi, 446 pp., illus. 175 F. Méthodes Mathématiques de l'Informatique, 1.

Nutrition against Disease. Environmental Prevention. Roger J. Williams. Pitman, New York, 1971. x, 320 pp. \$7.50.

Oxonium Ions in Organic Chemistry. Hartwig Perst. Verlag Chemie, Weinheim/Bergstrasse, Germany; Academic Press, New York, 1971. x, 202 pp., illus. \$15.

Participation in Adult Education 1969. Initial Report. Imogene E. Okes. U.S. Office of Education, Washington, D.C., 1971 (available from Superintendent of Documents, Washington, D.C.). viii, 56 pp., illus. Paper, 60¢.

Periodic Orbits, Stability and Reson-

ances. A symposium, São Paulo, Brazil, September 1969. G.E.O. Giacaglia, Ed. Reidel, Dordrecht, Netherlands, 1970. xiv, 520 pp., illus. \$28.50.

Planning and Programming for Nursing Services. World Health Organization, Geneva, 1971 (U.S. distributor, American Public Health Association, Washington, D.C.). 124 pp. Paper, \$2.25. Public Health Papers, No. 44.

A Pre-View of Policy Sciences. Harold D. Lasswell. Elsevier, New York, 1971. xiv, 174 pp., illus. \$7.50. Policy Sciences Book Series.

Proceedings of the Vinland Map Conference. Washington, D.C., November 1966. Wilcomb E. Washburn, Ed. Published for the Newberry Library by the University of Chicago Press, Chicago, 1971. xviii, 186 pp., illus. \$10. Studies in the History of Discoveries.

Progress in Reaction Kinetics. Vol. 6, part 4. Chemical Applications of Metastable Rare Gas Atoms. D. H. Stedman and D. W. Setser. Pergamon, New York, 1971. Pages 193-238. Paper, \$3.40.

Progress in Separation and Purification. Vol. 4. Edmond S. Perry and Carel J. Van Oss, Eds. Wiley-Interscience, New York, 1971. xiv, 414 pp., illus. \$22.50.

Tables for Numerical Integration of Functions with Logarithmic and Power Singularities. V. I. Krylov and A. A. Pal'tsev. Translated from the Russian edition (Minsk, 1967) by IPST Staff. Israel Program for Scientific Translations, Jerusalem, 1971 (U.S. distributor, International Scholarly Book Services, Portland, Ore.). iv, 172 pp. \$10.

Tables of Nuclear Quadrupole Resonance Frequencies. I. P. Biryukov, M. G. Voronkov, and I. A. Safin. Translated from the Russian edition (Leningrad, 1968) by J. Schmorak. Israel Program for Scientific Translations, Jerusalem, 1969 (U.S. distributor, International Scholarly Book Services, Portland, Ore.). vi, 136 pp. \$10.

Taxonomy of Fungi Imperfecti. A conference, Kananaskis, Canada, 1969. Bryce Kendrick, Ed. University of Toronto Press, Toronto, 1971. x, 310 pp., illus. \$22.50.

Termites and Soils. K. E. Lee and T. G. Wood. Academic Press, New York, 1971. x, 252 pp., illus. \$11.50.

Thermodynamic Constants of Inorganic and Organic Compounds. M. Kh. Karapet'yants and M. L. Karapet'yants. Translated from the Russian edition (Moscow, 1968) by J. Schmorak. Ann Arbor-Humphrey Science Publishers, Ann Arbor, Mich., 1970 (distributor, International Scholarly Book Services, Portland, Ore.). x, 462 pp. \$20.

Thermodynamic Theory of Structure, Stability and Fluctuations. P. Glansdorff and I. Prigogine. Wiley-Interscience, New York, 1971. xxvi, 305 pp., illus. \$15.50.

Uncoupling the Radiology System. Roslyn Lindheim. Hospital Research and Educational Trust, Chicago, 1971. x, 86 pp., illus. Paper, \$2.95. Health Services Monograph Series.

Vacuum Ultraviolet Spectroscopy. A. N. Zaidel' and E. Ya. Shreider. Translated from the Russian edition (Moscow, 1967) by Z. Lerman. Ann Arbor-Humphrey Science Publishers, Ann Arbor, Mich., 1970 (distributor, Keter, New York). xii, 396 pp., illus. \$22.50.