

cellent for describing some intriguing problems in biological adhesion.

Except in rare cases, however, the specialist will find his topic handled in an abbreviated and dated fashion. A. C. Taylor's article, for example, omits much progress on the measurement of cell adhesiveness that has been made since the symposium was held, despite the editor's stated invitation to the participants to update their contributions. R. E. Baier's chapter is an interesting and informative account of the relationships between wettability and adhesion. It contains a fascinating discussion of some data which suggest that the degree of cell spreading may be partially dependent on the critical surface tension of the substrate. Another chapter depicts, all too briefly, the attachment of marine bacteria to slides immersed in aquaria. Four chapters are concerned with the morphology, histology, and biochemistry of barnacle and mussel attachment to moist surfaces. The remaining nine chapters are devoted to a description of existing and potential artificial adhesives for soft and hard tissues.

For readers seriously interested in biological adhesion the greatest shortcoming of the book is its failure to include any summary of the biochemistry of intercellular adhesion. Weiss's introductory article concentrates insistently on the theoretical, biophysical level of adhesion and does little to alleviate this shortcoming. It is, after all, biological adhesion that one would like to be able to duplicate in preparing clinical adhesives. Although the molecular mechanisms are unknown, cell-to-cell adhesions are specific, nontoxic, and tenacious in the presence of water. It would seem, therefore, that when the mechanisms are understood, artificial adhesives will utilize them. For these reasons, omission of work on natural biological adhesions is a major flaw and one that could have been rectified easily at the expense of one or two of the nine chapters devoted to excessive description of synthetic adhesives.

All things considered, this volume contains much information about adhesion research in biology, but the experimental embryologist, pathologist, and student interested in the possible relationship between the contents of this book and cellular adhesion *in vivo* will be disappointed.

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Diseases of Plants

Plant Virology. R. E. F. MATTHEWS. Academic Press, New York, 1970. xviii, 784 pp., illus. \$29.50.

The preface to this weighty book states that it "was written primarily for graduate students in plant pathology, plant virology, general virology and microbiology and for teachers and research workers in these fields," and that the author hopes "it will also prove useful as a reference book for those in disciplines related to plant virology—molecular biologists, biochemists, plant physiologists and entomologists." In attempting to serve so many purposes and to deal with all aspects of such a wide-ranging subject, the author set himself a formidable task, but to a large extent he has achieved his intentions. Not all chapters are of equal quality, and those on subjects in which the author has worked read more consecutively than the others; all summarize a great deal of information, however, with many references to work published in 1969 and 1970. The text is shorter than the number of pages suggests, because the book is profusely illustrated and the bibliography and index occupy more than 100 pages. The half-tone illustrations are well chosen and reproduced, but if the color plates add anything it is only to the price. Perhaps the greatest compliment the book can be paid is to say that every graduate student should have a copy, but probably few outside North America will be able to afford one.

Reading the book brings home how uneven has been development in knowledge about plant viruses and virus diseases. While almost every feature except the sequence of nucleotides has been discovered about the composition and architecture of strains of tobacco mosaic virus, there is still no inkling of an explanation for the fact that strains differ in host range and in the type of symptoms they cause. Also, although a multitude of phenomena has been discovered that shows how greatly changes in the environment of plants affect their susceptibility to infection, the extent to which viruses multiply in them, or the kind of symptoms produced, the phenomena all still await explanation. The viruses with particles most amenable to study in the laboratory are obviously proving most attractive to workers, although they are not necessarily the most important ones or the ones for which there

has been most success in developing control measures. Indeed, although it would be an exaggeration to say that the more that is known about the composition and architecture of a virus the less probable it is that a method has been developed for controlling the diseases it causes, there is more than a grain of truth in the statement; certainly epidemiological work has led to methods of controlling some viruses before anything was known about their shape, size, or constitution. Others, including some whose particles have been much studied, still spread almost unrestricted, and will do so until workers turn from taxonomy to epidemiology and pathology. It may seem ridiculous to cavil at a book for students because it deals largely with what is known, especially when there is so much information to summarize, but a little more emphasis on the large gaps in our knowledge would have been valuable, and might have attracted people to work in subjects that would fill the most important ones.

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Books Received

Actions, chimiques et biologiques des radiations. The Chemical and Biological Actions of Radiations. Quatorzième série. M. Haïssinsky, Ed. Masson, Paris, 1970. 240 pp., illus. Paper, 110 F.

Advances in Microcirculation. Vol. 3. H. Harders, Ed. Karger, New York, 1970. viii, 158 pp., illus. \$13.20.

Advances in the Treatment of Acute (Blastic) Leukemias. Georges Mathé, Ed. Springer-Verlag, New York, 1970. xii, 180 pp., illus. \$10.50. Recent Results in Cancer Research, vol. 30.

American Dawn. A New Model of American Prehistory. Louis A. Brennan. Macmillan, New York, 1970. x, 390 pp., illus. \$8.95.

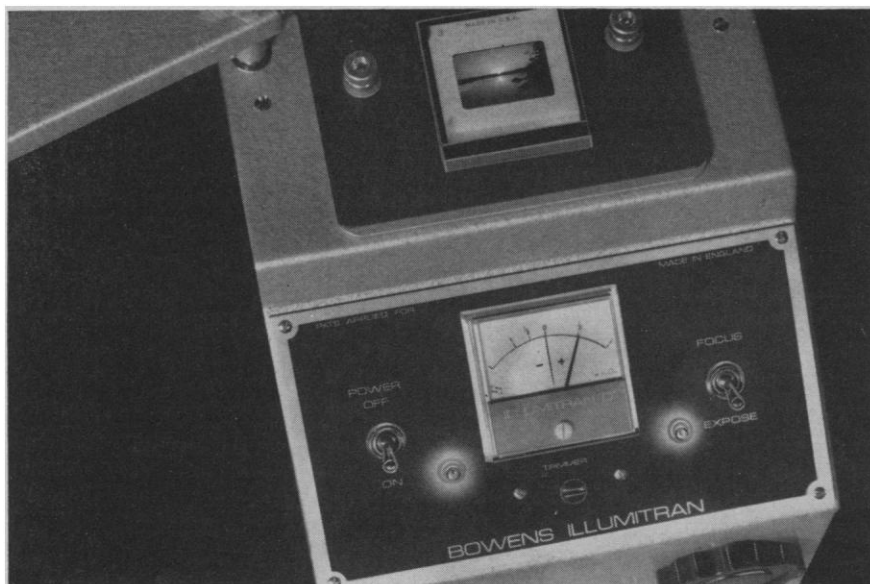
Animal Populations in Relation to Their Food Resources. A symposium, Aberdeen, Scotland, March 1969. Adam Watson, Ed. Blackwell, Oxford, 1970. xx, 478 pp., illus. + plates. \$17.50. British Ecological Society Symposium No. 10.

Annotated Bibliography of Zooplankton Sampling Devices. Jack W. Jossi. United States Fish and Wildlife Service, Washington, D.C., 1970. iv, 90 pp. Paper. Special Scientific Report—Fisheries 609.

Applied Mathematics in Engineering Practice. Frederick S. Merritt. McGraw-Hill, New York, 1970. xii, 300 pp., illus. \$12.50. Series in Continuing Education for Engineers.

The Art of Community. Spencer Heath MacCallum. Institute for Humane Studies,

(Continued on page 316)



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BOOKS RECEIVED

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Menlo Park, Calif., 1970. x, 118 pp. Cloth, \$4; paper, \$2.

Being an Anthropologist. Fieldwork in Eleven Cultures. George D. Spindler, Ed. Holt, Rinehart and Winston, New York, 1970. xvi, 304 pp., illus. Paper, \$4.95.

Bibliography on the Fatigue of Materials, Components and Structures. 1838-1950. Compiled by J. Y. Mann. Published for the Royal Aeronautical Society by Pergamon, New York, 1970. x, 316 pp. \$18.

Biology of Memory. Karl H. Pribram and Donald E. Broadbent, Eds. Academic Press, New York, 1970. xii, 324 pp., illus. \$11.50.

Chemical Mutagens. Environmental Effects on Biological Systems. L. Fishbein, W. G. Flamm, and H. L. Falk. Academic Press, New York, 1970. xiv, 364 pp., illus. \$18.50. Environmental Sciences.

The Chemistry of Amides. Jacob Zabicky, Ed. Interscience (Wiley), New York, 1970. xvi, 928 pp., illus. \$38.50. The Chemistry of Functional Groups.

The Computer Impact. Irene Taviss, Ed. Prentice-Hall, Englewood Cliffs, N.J., 1970. xiv, 298 pp. Cloth, \$7.95; paper, \$4.50. Series in Automatic Computation.

Contemporary Research Methods in Neuroanatomy. Proceedings of a conference, San Juan, Puerto Rico, January 1969. Walle J. H. Nauta and Sven O. E. Ebbesson, Eds. Springer-Verlag, New York, 1970. viii, 386 pp., illus. \$27.

Daedalus. The Making of Modern Science: Biographical Studies. Fall 1970. American Academy of Arts and Sciences, Boston, 1970. vi + pp. 723-1138, illus. Paper, \$4. Proceedings of the American Academy of Arts and Sciences, vol. 99, No. 4.

Decision-Oriented Statistics. Norbert Lloyd Enrick. Brandon/Systems Princeton, N.J., 1970. x, 182 pp., illus. \$8.95.

De la cellule à l'organisme. Acrasiales, Myxomycètes, Myxobactériales. J. P. Larpent. Masson, Paris, 1970. viii, 132 pp., illus. Paper, 68 F. Collection de monographies de botanique et de biologie végétale, monographie 7.

The Determination of Hydrazino-Hydrazide Groups. Hugh E. Malone. Pergamon, New York, 1970. xvi, 394 pp., illus. \$18.95. Monographs in Organic Functional Group Analysis, vol. 5.

Die Systematik der Resonanzen. Rudolf Weckering. Buchdruckerei Hermann, Luxemburg, 1970. 74 pp., illus. Paper, 180 Belg. Frank. Stereophysik: Die Atomphysik auf neuer Grundlage. Räumliche Wellen- und Quantenmechanik, Band 8.

Digest of Literature on Dielectrics. Vol. 32, 1968. Prepared by the Committee on Digest of Literature of the Conference on Electrical Insulation and Dielectric Phenomena, National Research Council. National Academy of Sciences, Washington, D.C., 1970. xiv, 508 pp., illus. \$35.

The Doomsday Book. Can the World Survive? Gordon Rattray Taylor. World Publishing Co., New York, 1970. 336 pp. \$7.95.

Dukes' Physiology of Domestic Animals. Melvin J. Swenson. Comstock

SCIENCE, VOL. 171

(Cornell University Press), Ithaca, N.Y., ed. 8, 1970. xviii, 1464 pp., illus. \$28.50.

The Dynamics of Action. John W. Atkinson and David Birch. Wiley, New York, 1970. xiv, 380 pp., illus. \$11.95.

Early Man and Environments in Northwest North America. Proceedings of a workshop, Calgary, Canada. University of Calgary Archaeological Association. Students' Press, Calgary, 1970. 138 pp., illus. Paper, \$3.50.

Electron Beams, Lenses, and Optics. Vol. 1. A. B. El-Kareh and J. C. J. El-Kareh. Academic Press, New York, 1970. xvi, 412 pp., illus. \$19.50.

Endoscopy in Gastric Cancer. Robert S. Nelson. Springer-Verlag, New York, 1970. xii, 88 pp., illus. \$13.20. Recent Results in Cancer Research, vol. 32.

Escape from Addiction. R. Gordon Bell. McGraw-Hill, New York, 1970. xiv, 202 pp. \$5.95.

ESP, Seers and Psychics. Milbourne Christopher. Crowell, New York, 1970. x, 268 pp. + plates. \$6.95.

Essays in Theory and History. An Approach to the Social Sciences. Melvin Richter, Ed. Harvard University Press, Cambridge, Mass., 1970. xii, 292 pp. \$10.

Essentials of Molecular Pharmacology. Background for Drug Design. Andrejus Korolkovas. Wiley-Interscience, New York, 1970. xviii, 340 pp., illus. \$16.50.

Experimental and Clinical Effects of L-Asparaginase. E. Grundmann and H. F. Oettgen, Eds. Springer-Verlag, New York, 1970. x, 356 pp., illus. \$16. Recent Results in Cancer Research, vol. 33.

Experimental Crystal Physics. W. A. Wooster and A. Breton. Clarendon (Oxford University Press), New York, ed. 2, 1970. x, 150 pp., illus. + plates. \$9.75.

Federal Evaluation Policy. Analyzing the Effects of Public Programs. Joseph S. Wholey, John W. Scanlon, Hugh G. Duffy, James S. Fukumoto, and Leona M. Vogt. Urban Institute, Washington, D.C., 1970. 136 pp., illus. Paper, \$2.95.

Field-Ion Microscopy. K. M. Bowkett and D. A. Smith. North-Holland, Amsterdam; Elsevier, New York, 1970. x, 258 pp., illus. \$17.25. Defects in Crystalline Solids, vol. 2.

Food Cultism and Nutrition Quackery. A symposium, Ystad, Sweden, August 1969. Gunnar Blix and Sylvia Molin, Eds. Almqvist and Wiksell, Stockholm, 1970. 104 pp., illus. Sw. kr. 35. Symposia of the Swedish Nutrition Foundation, No. 8.

The Gap Widens. Lord Blackett. Cambridge University Press, New York, 1970. 40 pp. Paper, 95¢. The Rede Lecture, 1969.

Genetics of the Potato. *Solanum tuberosum*. H. W. Howard. Logos Press, London; Springer-Verlag, New York, 1970. x, 126 pp., illus. \$8.60.

Hormones and Human Breast Cancer. An Account of 15 Years Study. John Hayward. Springer-Verlag, New York, 1970. xvi, 152 pp., illus. \$9.40. Recent Results in Cancer Research, vol. 24.

The Information Utility and Social Choice. Proceedings of a conference, Chicago, December 1969. H. Sackman and Norman Nie, Eds. American Federation of Information Processing Societies, Montvale, N.J., 1970. viii, 312 pp., illus. \$9.

Instrument Engineers' Handbook. Vol. 2, Process Control. Béla G. Lipták, Ed.

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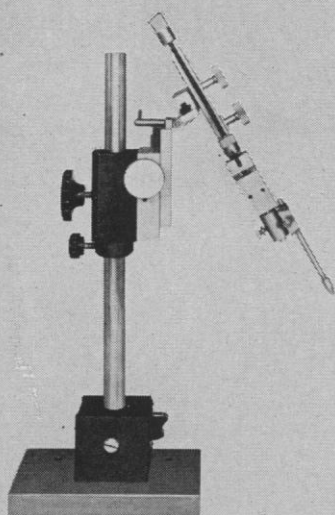
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Chilton, Philadelphia, 1970. xxiv, 1636 pp., illus. \$35.

The International Ecology University. Why and How: A Program. International Ecology University Publications, Berkeley, Calif., 1970. iv, 86 pp., illus. Paper.

Introduction to Organic and Biological Chemistry. Stuart J. Baum. Macmillan, New York, 1970. xx, 472 pp., illus. \$9.95.

Introduction to Sets and Mappings in Modern Economics. Hukukane Nikaido. Translated from the Japanese edition (Tokyo, 1960) by Kazuo Sato. North-Holland, Amsterdam, 1970. xvi, 344 pp. \$20.75.

An Introduction to the Philosophy of Science. Karel Lambert and Gordon G. Brittan, Jr. Prentice-Hall, Englewood Cliffs, N.J., 1970. xii, 114 pp. Cloth, \$5.95; paper, \$2.95.

Invertebrate Zoology. Vol. 3, Crustacea. Alfred Kaestner. Translated from the German edition (Jena, 1967) by Herbert W. Levi and Lorna R. Levi. Interscience (Wiley), New York, 1970. xiv, 524 pp., illus. \$29.50.

Kainji. A Nigerian Man-Made Lake. Vol. 1, Ecology. S. A. Visser, Ed. Published for the Nigerian Institute of Social and Economic Research by the Ibadan University Press, Ibadan, Nigeria, 1970. viii, 126 pp., illus. Paper, \$3. Kainji Lake Studies.

Last Survivors. The Natural History of Animals in Danger of Extinction. Noel Simon and Paul Géroudet. Illustrations by Helmut Diller and Paul Barruel. World Publishing Co., New York, 1970. 276 pp. \$19.95.

L-Dopa and Parkinsonism. A conference, Val, David, Quebec, November 1969. André Barbeau and Fletcher H. McDowell, Eds. Davis, Philadelphia, 1970. xviii, 434 pp., illus. \$11.

Linear Differential Operators with Constant Coefficients. V. P. Palamodov. Translated from the Russian edition (Moscow, 1967) by A. A. Brown. Springer-Verlag, New York, 1970. viii, 448 pp. \$7. Die Grundlehren der mathematischen Wissenschaften in Einzeldarstellungen, Band 168.

The Look of Our Land. An Airphoto Atlas of the Rural United States: The Far West. Compiled by Simon Baker and Henry W. Dill, Jr. U.S. Department of Agriculture, Economic Research Service, Washington, D.C. (available from the Superintendent of Documents, Washington, D.C.). 48 pp. Paper, 60¢. Agricultural Handbook No. 372.

LSD, Marihuana, Yoga, and Hypnosis. Theodore Xenophon Barber. Aldine, Chicago, 1970. xiv, 338 pp. \$8.95. Modern Applications of Psychology.

Man and Environment. Crisis and the Strategy of Choice. Robert Arvill. Penguin Books, Baltimore, Md., 1970. 336 pp., illus. + plates. Paper, \$1.65. Pelican Books. Reprint of the 1967 edition.

Man, Land and Myth in North Australia. The Gunwingu People. Ronald M. Berndt and Catherine H. Berndt. Michigan State University Press, East Lansing, 1970. xviii, 262 pp., illus. + plates. \$10.

A Manual for the Practical Study of the Root-Nodule Bacteria. J. M. Vincent. Published for the International Biological Programme by Blackwell, Oxford, England, 1970. xiv, 164 pp., illus. + plates. Paper, \$8. IBP Handbook No. 15.

The Marijuana Smokers. Erich Goode. Basic Books, New York, 1970. xii, 340 pp., illus. \$10.

Marriage in Life and Literature. Robert Seidenberg. Philosophical Library, New York, 1970. xii, 308 pp. \$5.95.

Medical Computing. Proceedings of a conference, Birmingham, England, January 1969. M. E. Abrams, Ed. Elsevier, New York, 1970. xii, 396 pp., illus. \$13.

The Megatectonics of Continents and Oceans. Helgi Johnson and Bennett L. Smith, Eds. Rutgers University Press, New Brunswick, N.J., 1970. xii, 284 pp., illus. \$12.50.

Membranes. Structure and Function. A symposium, Madrid, Spain, April 1969. J. R. Villanueva and F. Ponz, Eds. Academic Press, New York, 1970. viii, 154 pp., illus. \$7. Federation of European Biochemical Societies Meetings, vol. 20.

Mind, Science, and History. Howard E. Kiefer and Milton K. Munitz, Eds. State University of New York Press, Albany, 1970. xii, 322 pp., illus. \$10. Contemporary Philosophic Thought, vol. 2. The International Philosophy Year Conferences at Brockport.

Modern Diffraction and Imaging Techniques in Material Science. Proceedings of an international summer course, Antwerp, Belgium, July-August 1969. S. Amelinckx, R. Gevers, G. Remaut, and J. Van Landuyt, Eds. North-Holland, Amsterdam; Elsevier, New York, 1970. xii, 746 pp., illus. \$34.50.

Modern Mathematical Methods in Engineering. Frederick S. Merritt. McGraw-Hill, New York, 1970. xii, 256 pp., illus. \$12.50. Series in Continuing Education for Engineers.

Molecular Basis of Odor. John E. Amoore. Thomas, Springfield, Ill., 1970. xiv, 200 pp., illus. \$16.50. American Lecture Series, No. 773. A Monograph in the Bannerstone Division of American Lectures in Living Chemistry.

Molecular Orbital Studies in Chemical Pharmacology. A symposium, Seattle, Wash., October 1969. Lemont B. Kier, Ed. Springer-Verlag, New York, 1970. viii, 290 pp., illus. Paper, \$9.40.

A New and Simple Theory of Gravity. Donald E. Tyler. Published by the author, 70 South Main Street, Brighton, Colo., 1970. x, 52 pp., illus. Paper, \$2.50.

New Worlds for Wildlife. Ann Sutton and Myron Sutton. Rand McNally, Chicago, 1970. 190 pp., illus. \$4.95.

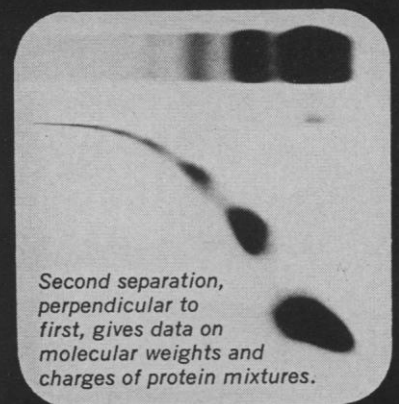
1971 Britannica Yearbook of Science and the Future. Richard G. Young, Ed. Encyclopaedia Britannica, Chicago, 1970. 448 pp., illus. \$12.50.

Organ Culture. J. André Thomas. Translated from the French edition (Paris, 1964) by the Express Translation Service. Academic Press, New York, 1970. xiv, 512 pp., illus. \$29.50.

Permanent Poverty. An American Syndrome. Ben B. Seligman. Quadrangle Books, Chicago, 1970. xvi, 240 pp. Paper, \$2.95. Reprint of the 1968 edition.

Permeability and Function of Biological Membranes. Proceedings of the 1969 meeting of the International Conference on Biological Membranes. Liana Bolis, A. Katchalsky, R. D. Keynes, W. R. Loewenstein, and B. A. Pethica, Eds. North-Holland, Amsterdam; Elsevier, New York, 1970. x, 364 pp., illus. \$16.25.

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Perspectives on the Computer Revolution. Edited with commentaries by Zenon W. Pylyshyn. Prentice-Hall, Englewood Cliffs, N.J., 1970. xx, 540 pp., illus. \$10.50. Series in Automatic Computation.

Phase Diagrams. Materials Science and Technology. Vol. 3, The Use of Phase Diagrams in Electronic Materials and Glass Technology. Allen M. Alper, Ed. Academic Press, New York, 1970. xviii, 326 pp., illus. \$16.50. Refractory Materials.

Physical Chemistry. An Advanced Treatise. Vol. 4, Molecular Properties. Douglas Henderson, Ed. Academic Press, New York, 1970. xxii, 832 pp., illus. \$39.

Physics of Nuclei and Particles. Vol. 2. Pierre Marmier and Eric Sheldon. Academic Press, New York, 1970. xii + pp. 811-1482, illus. \$19.50.

Physiological Psychology. Peter M. Milner. Holt, Rinehart and Winston, New York, 1970. xii, 532 pp., illus. \$12.95.

La physique des transitions. Nino Boccara. Presses Universitaires de France, Paris, 1970. 136 pp., illus. Paper. "Que sais-je," No. 1389.

The Politics of Ecology. James Ridgeway. Dutton, New York, 1970. 224 pp. \$5.95.

Printed Circuit Boards for Microelectronics. J. A. Scarlett. Van Nostrand Reinhold, New York, 1970. xviii, 270 pp., illus. \$12.50. Marconi Series Covering Advances in Radio and Radar.

Problems of Atomic Dynamics. Max Born. M.I.T. Press, Cambridge, Mass., 1970. xviii, 200 pp., illus. Paper, \$2.95. Reprint of 1926 edition.

The Professional as Educator. Arthur W. Foshay, Ed. Teachers College Press, New York, 1970. viii, 128 pp. Paper, \$4.95.

Progress in Low Temperature Physics. Vol. 6. C. J. Gorter. North-Holland, Amsterdam; Elsevier, New York, 1970. x, 440 pp., illus. \$23.

Progress in Nuclear Physics. D. M. Brink and J. H. Mulvey, Eds. Vol. 12, part 2, Total Cross-Section Measurements. G. Giacomelli. Pergamon, New York, 1970. ii + pp. 77-226, illus. Paper, \$6.

A Quantum Approach to the Solid State. Philip L. Taylor. Prentice-Hall, Englewood Cliffs, N.J., 1970. xiv, 322 pp., illus. \$13.95.

Rational Descriptions, Decisions and Designs. Myron Tribus. Pergamon, New York, 1969. xx, 478 pp., illus. \$13.75 Unified Engineering Series.

The Rocky Shore. John M. Kingsbury. Illustrated by Edward and Marcia Norman. Chatham, Old Greenwich, Conn., 1970 (U.S. distributor, Viking, New York). 78 pp. \$4.95.

Soviet Preschool Education. Vol. 2, Teacher's Commentary. Educational Testing Service. Henry Chauncey, Chief Ed. Holt, Rinehart and Winston, New York, 1970. xviii, 218 pp., illus. \$5.95.

Statistical Abstract of the United States, 1970. 91st Annual Edition. Prepared under the direction of William Lerner. U.S. Bureau of the Census, Washington, D.C., 1970 (available from the Superintendent of Documents, Washington, D.C.).

Steroid Assay by Protein Binding. Transactions of a symposium, Geneva, March 1970. E. Diczfalussy and A. Diczfalussy, Eds. Karolinska Institutet, Stockholm,

1970. 366 pp., illus. Karolinska Symposia on Research Methods in Reproductive Endocrinology, No. 2.

Strong Water. Nitric Acid: Sources, Methods of Manufacture, and Uses. Thomas H. Chilton. M.I.T. Press, Cambridge, Mass., 1970. x, 170 pp., illus. Paper, \$1.95. Reprint of the 1968 edition.

Structuralism. Jean Piaget. Translated from the French edition (Paris, 1968) and edited by Chaninah Maschler. Basic Books, New York, 1970. vi, 154 pp. \$5.95.

Structure-Function Relationships of Proteolytic Enzymes. Proceedings of a symposium, Copenhagen, June 1969. P. Desnuelle, H. Neurath, and M. Ottesen, Eds. Academic Press, New York, 1970. 310 pp., illus. \$17.50. International Union of Biochemistry Sponsored Symposia, No. 37.

The Study of Coalition Behavior. Theoretical Perspectives and Cases from Four Continents. Sven Groennings, E. W. Kelley, and Michael Leiserson, Eds. Holt, Rinehart and Winston, New York, 1970. xx, 490 pp., illus. \$9.95.

Suicide and the Meaning of Civilization. Thomas G. Masaryk. Translated from the German edition (Vienna, 1881) by William B. Weist and Robert G. Batson. With an introduction by Anthony Giddens. University of Chicago Press, Chicago, 1970. xlii, 242 pp., illus. \$10. The Heritage of Sociology.

Symmetries and Reflections. Scientific Essays of Eugene P. Wigner. M.I.T. Press, Cambridge, Mass., 1970. viii, 280 pp., illus. Paper, \$3.95. Reprint of the 1967 edition.

Technological Innovation and the Economy. A symposium, Cambridge, England, April 1969. Maurice Goldsmith, Ed. Wiley-Interscience, New York, 1970. xviii, 292 pp., illus. \$10.50.

Textbook of Fish Diseases. Erwin Am-lacher. Translated from the German edition by D. A. Conroy and R. L. Herman. T.F.H. Publications, Jersey City, N.J., 1970. 302 pp., illus. Paper, \$7.95.

Theoretical Magnetofluidynamics. Henri Cabannes. Translated from the French edition (1969) by Maurice Holt with the assistance of A. A. Sfeir. Academic Press, New York, 1970. xiv, 234 pp., illus. \$12.50. Applied Mathematics and Mechanics, vol. 13.

Topics in Lipid Chemistry. Vol. 1. F. D. Gunstone, Ed. Wiley-Interscience, New York, 1970. x, 252 pp., illus. + plates. \$22.

The Treatment of Alcoholics. An Evaluative Study. Sidney Cahn. Oxford University Press, New York, 1970. x, 246 pp. \$7.50.

Turbulence of Fluids and Plasmas. Proceedings of a symposium, New York, April 1968. Polytechnic Press of the Polytechnic Institute of Brooklyn, Brooklyn, N.Y., 1970 [U.S. distributor, Interscience (Wiley), New York, N.Y.], xxx, 512 pp., illus. \$17. Microwave Research Institute Symposia Series, vol. 18.

Upper Ordovician Ecology of the Central Appalachians. Peter William Bretsky, Jr. Peabody Museum of Natural History, Yale University, New Haven, Conn., 1970. viii, 152 pp., illus. + plates. Paper, \$8. Bulletin No. 34.

Ward Rounds. K. D. Beernink. Washington Square East, Wallingford, Pa., ed. 2, 1970. xii, 36 pp. \$4.95.