

tivity are controlled by the same viral gene. On the other hand, Dulbecco found the serum requirement of wounded cell layers not to be related to topoinhibition. Both parameters were measured by their effect on cellular DNA synthesis. As more mutant viral strains and, we may hope, cell membrane mutants become available, we can expect accelerated progress in this area.

The presentation and discussions have been useful in clarifying existing concepts of growth regulation in culture and in stimulating the development of new ideas for future experimentation. Although the symposium is directed primarily to workers in viral oncology, it will be of interest to all who use cell cultures as a model system.

M. EDWARD KAIGHN

*New York Blood Center,
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Books Received

Advances in Catalysis. Vol. 22. D. D. Eley, Herman Pines, and Paul B. Weisz, Eds. Academic Press, New York, 1972. x, 368 pp., illus. \$19.

Advances in Information Systems Science. Vol. 4. Julius T. Tou, Ed. Plenum, New York, 1972. xiv, 330 pp., illus. \$19.95.

Advances in Nuclear Science and Technology. Vol. 6. Ernest J. Henley and Jeffrey Lewins, Eds. Academic Press, New York, 1972. xiv, 238 pp., illus. \$14.50.

Altered States of Awareness. Readings from *Scientific American*. Introductions by Timothy J. Teyler. Freeman, San Francisco, 1972. viii, 140 pp., illus. Cloth, \$6; paper, \$2.95.

An Analysis of Clinical Behavior in Speech and Hearing. Martin C. Schultz. Prentice-Hall, Englewood Cliffs, N.J., 1972. x, 182 pp., illus. \$8.95.

Analytic Trigonometry. Floyd F. Helton. Saunders, Philadelphia, 1972. viii, 298 pp., illus. \$8.

Animal Life and Lore. Osmond P. Breland. Drawings by Matthew Kalmenoff. Harper and Row, New York, ed. 2, 1972. xiv, 414 pp. \$8.95.

Applications of Low Energy X- and Gamma Rays. A symposium, Chestnut Hill, Mass. Charles A. Ziegler, Ed. Gordon and Breach, New York, 1971. x, 468 pp., illus. \$29.50.

Astronomy One. J. Allen Hynek and Necia H. Apfel. Benjamin, Menlo Park, Calif., 1972. xii, 402 pp., illus. \$10.50.

Atmosphere-Ocean Interaction. E. B. Kraus. Oxford University Press, New York, 1972. viii, 276 pp., illus. \$18.75. Oxford Monographs on Meteorology.

Atomic Physics 2. Proceedings of a conference, Oxford, England, July 1970. P. G. H. Sandars, Ed. Plenum, New York, 1971. xii, 386 pp., illus. \$26.

Automatic Programming and Numerical

Methods of Analysis. V. N. Faddeeva, Ed. Translated from the Russian edition (Leningrad, 1970) by N. H. Choksy. Consultants Bureau, New York, 1972. viii, 126 pp., illus. Paper, \$20. Seminars in Mathematics, vol. 18.

Basic Natural History. A Procedural Approach to Conservation, Perspective, Ecology. William B. Nutting. Macmillan, New York, 1972. xiv, 386 pp., illus. Paper, \$6.50.

Behaviour of Wolves, Dogs and Related Canids. Michael W. Fox. Harper and Row, New York, 1972. 220 pp., illus. \$10.

Biennial Review of Anthropology 1971. Bernard J. Siegel, Ed. Stanford University Press, Stanford, Calif., 1972. x, 386 pp. \$12.95.

Biology. A Functional Approach. M. B. V. Roberts. Ronald, New York, 1971. x, 628 pp., illus. \$10.75.

Biology of the Cryptozoa. Theodore Savory. Merrow, Watford, England, 1971 (U.S. distributor, Bonn Industries, Plainfield, N.J.). viii, 48 pp., illus. \$4. Merrow Monographs, Zoology Series.

Cancer Chemotherapy II. The Twenty-second Hahnemann Symposium. Isadore Brodsky, S. Benham Kahn, and John H. Moyer, Eds. Grune and Stratton, New York, 1972. xvi, 478 pp., illus. \$29.50.

Changing Frontiers in the Science of Psychotherapy. Allen E. Bergin and Hans H. Strupp. Aldine-Atherton, Chicago, 1972. x, 468 pp., illus. \$15. Modern Applications of Psychology.

Chromatographic Systems. Maintenance and Troubleshooting. John Q. Walker, Minor T. Jackson, Jr., and James B. Maynard. Academic Press, New York, 1972. x, 290 pp., illus. \$8.95.

Clinical Behavior Therapy. Arnold A. Lazarus, Ed. Brunner/Mazel, New York; Butterworths, London, 1972. x, 236 pp. \$8.50.

Clinical Biochemistry. For Medical Technologists. S. H. Kamath. Little, Brown, Boston, 1972. x, 260 pp., illus. \$9.50.

College Physics. Franklin Miller, Jr. Harcourt Brace Jovanovich, New York, ed. 3, 1972. xviii, 750 pp., illus. \$12.95.

Collegiate Dictionary of Botany. Delbert Swartz. Ronald, New York, 1971. vi, 520 pp. \$10.50.

Computer Handling of Chemical Structure Information. Michael F. Lynch, Judith M. Harrison, and William G. Town with a contribution by Janet E. Ash. Macdonald, London; Elsevier, New York, 1972. xii, 148 pp., illus. \$6.25. Computer Monographs.

Contemporary Field Work Practices in Rehabilitation. John G. Cull, Jr., and Craig R. Colvin. Thomas, Springfield, Ill., 1972. xviii, 324 pp., illus. \$16.75. American Lectures in Social and Rehabilitation Psychology, No. 833.

Continents Adrift. Readings from *Scientific American*. Introductions by J. Tuzo Wilson. Freeman, San Francisco, 1972. viii, 172 pp., illus. Cloth, \$7; paper, \$3.50.

Cytoplasmic Genes and Organelles. Ruth Sager. Academic Press, New York, 1972. xiv, 406 pp. + plates. \$12.50.

Dielectric Properties of Polymers. Proceedings of a symposium, Los Angeles, Mar. 1971. Frank E. Karasz, Ed. Plenum,

New York, 1972. x, 374 pp., illus. \$22.50.

Drawers of Water. Domestic Water Use in East Africa. Gilbert F. White, David J. Bradley, and Anne U. White. Illustrated by Tag Ahmed. University of Chicago Press, Chicago, 1972. xiv, 306 pp. \$14.

Drug Abuse. Proceedings of a conference, Ann Arbor, Mich., Nov. 1970. Chris J. D. Zarafonitis, Ed. Lea and Febiger, Philadelphia, 1972. xiv, 616 pp., illus. \$20.

Ecological Renewal. Paul E. Lutz and H. Paul Santmire. Fortress, Philadelphia, 1972. xx, 154 pp. Paper, \$3.95. Confrontation Books.

Educational Psychology. The Instructional Endeavor. C. M. Charles. Mosby, St. Louis, 1972. x, 374 pp., illus. Paper, \$4.95.

Elementary Processes at High Energy. An Advanced Study Institute, Erice, Italy, July 1970. A. Zichichi, Ed. Academic Press, New York, 1972. 2 vols. Part A, xx pp. + pp. 1-448, illus. Part B, xvii pp. + pp. 449-862, illus. \$29.50 each.

Elements of Structural Geology. E. Sherbon Hills. Wiley, New York, ed. 2, 1972. x, 502 pp., illus. \$15.95.

English-Spanish, Spanish-English Dictionary of Communications and Electronic Terms. Roger L. Freeman. Cambridge University Press, New York, 1972. xii, 206 pp. \$15.

Environmental Factors in Respiratory Disease. Douglas H. K. Lee, Ed. Academic Press, New York, 1972. xviii, 256 pp., illus. \$7.50. Fogarty International Center Proceedings, No. 11. Environmental Sciences.

Evolution in the Arachnida. Theodore Savory. Merrow, Watford, England, 1971 (U.S. distributor, Bonn Industries, Plainfield, N.J.). vi, 42 pp., illus. \$4. Merrow Monographs, Zoology Series.

Exercises in Group Theory. E. S. Lyapun, A. Ya. Aizenshtat, and M. M. Lesokhin. Translated from the Russian edition (Moscow, 1967) by David E. Zitarella. Plenum, New York; Wolters-Noordhoff, Groningen, 1972. xiv, 240 pp. \$18.50.

Experimental Brain Hypoxia. Changes in Hemodynamics and Metabolism during Experimental Cerebral Hypoxia. Daniel Bartko. Slovak Academy of Sciences, Bratislava; University Park Press, Baltimore, 1972. 190 pp., illus. \$12.50.

Experiments in Materials Science. E. C. Subbarao, D. Chakravorty, M. F. Merriam, V. Raghavan, and L. K. Singhal. McGraw-Hill, New York, 1972. xii, 274 pp., illus. \$9.95. McGraw-Hill Series in Materials Science and Engineering.

Family Interaction. A Dialogue between Family Researchers and Family Therapists. A conference, Philadelphia, Mar. 1967. James L. Framo, Ed. Springer, New York, 1972. xxiv, 248 pp. \$9.50.

The Fossil Origins of Man. Halsey W. Miller. Stipes, Champaign, Ill., 1972. iv, 188 pp., illus. Paper, \$6.

The Foundations of Acoustics. Basic Mathematics and Basic Acoustics. Eugen Skudrzyk. Springer-Verlag, New York, 1971. xxviii, 790 pp., illus. \$73.80.

Function and Evolution of Behavior. An Historical Sample from the Pens of

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BOOKS RECEIVED

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Ethologists. Peter H. Klopfer and Jack P. Hailman, Eds. Addison-Wesley, Reading, Mass., 1972. x, 404 pp., illus. Paper, \$6.95.

Fundamentals of Organic Chemistry. Theory and Application. George B. Butler and K. Darrell Berlin. Ronald, New York, 1972. x, 1114 pp., illus. \$16.50.

Grzimek's Animal Life Encyclopedia. English edition. Bernhard Grzimek, Ed. Vol. 10, Mammals I. Walter Fiedler, Wolfgang Gewalt, Bernhard Grzimek, Dietrich Heinemann, Konrad Herter, and Erich Thenius, Eds. Van Nostrand Reinhold, New York, 1972. 628 pp., illus. \$29.95. The set (13 volumes), \$325.

Handbook of Construction Management. Laurence E. Reiner. Prentice-Hall, Englewood Cliffs, N.J., 1972. x, 340 pp., illus. \$15.99.

Handbook of Elemental Abundances in Meteorites. Brian Mason, Ed. Gordon and Breach, New York, 1971. x, 556 pp., illus. \$35. Series on Extraterrestrial Chemistry, vol. 1.

Handbook of Sensory Physiology. Springer-Verlag, New York, 1972. Vol. 3, Part 1, Enteroreceptors. E. Neil, Ed. viii, 232 pp., illus. \$30. Vol. 4, Chemical Senses. Lloyd M. Beidler, Ed. Two vols. Part 1, Olfaction. viii, 518 pp., illus. \$46.90. Part 2, Taste. viii, 410 pp., illus. \$44.90.

Handbook of Time-Zero. John P. Decker. Published by the author (available from Arizona State University, University Bookstore, Tempe, 1972). iv, 110 pp. Paper, \$3.95.

Hemodilution. Theoretical Basis and Clinical Application. A symposium, Rotach-Egern, Germany, Oct. 1971. K. Messmer and H. Schmid-Schönbein, Eds. Karger, Basel, 1972 (U.S. distributor, Phiebig, White Plains, N.Y.). xii, 322 pp., illus. \$19.60.

High-Voltage Measurement Techniques. Adolf J. Schwab. M.I.T. Press, Cambridge, Mass., 1972. x, 290 pp., illus. \$15. Monographs in Modern Electrical Technology.

Histopathology of the Endometrium. G. Dallenbach-Hellweg. Translated from the German edition (Berlin, 1969) by F. D. Dallenbach. Springer-Verlag, New York, 1971. xii, 278 pp., illus. \$30.60.

Homeopathic Medicine. Harris L. Coulter. American Foundation of Homeopathy, Washington, D.C., 1972. iv, 74 pp. \$1.45.

Horticultural Science. Jules Janick. Freeman, San Francisco, ed. 2, 1972. xii, 586 pp., illus. \$12. A Series of Books in Agricultural Science, Plant Science.

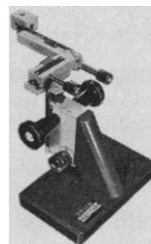
Huang Ti Nei Ching Su Wen. The Yellow Emperor's Classic of Internal Medicine. Ilza Veith. University of California Press, Berkeley, 1972. xxii, 260 pp., illus. Paper, \$2.95. Reprint of the 1966 edition.

The Human Imperative. Alexander Alland, Jr. Columbia University Press, New York, 1972. xii, 186 pp. \$8.50.

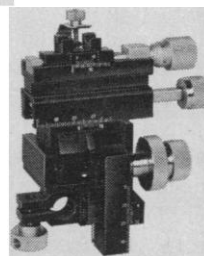
Hypnosis. Is It for You? Lewis R. Wolberg. Harcourt Brace Jovanovich, New York, 1972. xviii, 300 pp. \$9.95.

Introduction to Combinatorics. Gerald Berman and K. D. Fryer. Academic Press, New York, 1972. xiv, 300 pp., illus. \$12.

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Introduction to FORTRAN. Sten Kalin. Studentlitteratur, Lund, Sweden; Auerbach, Princeton, N.J., 1972. 168 pp., illus. \$6.95.

Introduction to High Energy Physics. Donald H. Perkins. Addison-Wesley, Reading, Mass., 1972. xiv, 354 pp., illus. \$12.95. Addison-Wesley Series in Advanced Physics.

Introduction to Operating Systems. A. J. T. Colin. Macdonald, London; Elsevier, New York, 1972. viii, 120 pp., illus. \$5.50. Computer Monographs.

Introduction to Prehistory. A Systematic Approach. Irving Rouse. McGraw-Hill, New York, 1972. xviii, 302 pp., illus. Paper, \$4.95.

Introduction to Probability Models. Sheldon M. Ross. Academic Press, New York, 1972. xiv, 274 pp., illus. \$12.75. Probability and Mathematical Statistics, vol. 10.

Introduction to Random Differential Equations and Their Applications. S. K. Srinivasan and R. Vasudevan. Elsevier, New York, 1971. xii, 166 pp., illus. \$12.50. Modern Analytic and Computational Methods in Science and Mathematics, No. 33.

Introduction to Statistical Pattern Recognition. Keinosuke Fukunaga. Academic Press, New York, 1972. xiv, 372 pp., illus. \$18.50. Electrical Science.

Introduction to Teleprocessing. James Martin. Prentice-Hall, Englewood Cliffs, N.J., 1972. xviii, 268 pp., illus. \$10.50. Prentice-Hall Series in Automatic Computation.

Introductory Fourier Transform Spectroscopy. Robert John Bell. Academic Press, New York, 1972. xviii, 382 pp., illus. \$19.50.

Introductory System Engineering. John G. Truxal. McGraw-Hill, New York, 1972. xii, 596 pp., illus. \$15.50. McGraw-Hill Series in Electronic Systems.

Investigations in Linear Operators and Function Theory. Part 1. N. K. Nikol'skii, Ed. Translated from the Russian edition (Leningrad, 1970) by James S. Wood. Consultants Bureau, New York, 1972. viii, 138 pp., illus. Paper, \$20. Seminars in Mathematics, vol. 19.

LSD. Personality and Experience. Harriet Linton Barr, Robert J. Langs, Robert R. Holt, Leo Goldberger, and George S. Klein. Wiley-Interscience, New York, 1972. xx, 248 pp., illus. \$10. Wiley Series on Personality Processes.

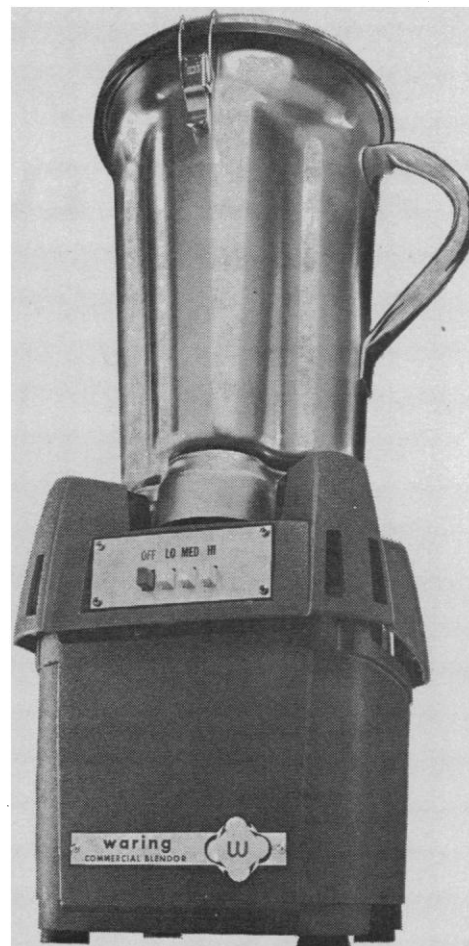
Laboratory Outlines in Biology—II. Peter Abramoff and Robert G. Thomson. Freeman, San Francisco, ed. 3, 1972. xii, 408 pp., illus. + Instructor's Handbook. Paper, \$5.50. A Series of Books in Biology.

Latin and Greek for Biologists. Theodore Savory. Merrow, Watford, England, 1971 (U.S. distributor, Bonn Industries, Plainfield, N.J.). viii, 34 pp. \$4. Merrow Technical Library, Biology.


Lectures on Viscoelasticity Theory. A. C. Pipkin. Springer-Verlag, New York, 1972. x, 180 pp., illus. Paper, \$6.50. Applied Mathematical Sciences, vol. 7.

Man and Marijuana. Some Aspects of Their Ancient Relationship. Mark David Merlin. Fairleigh Dickinson University


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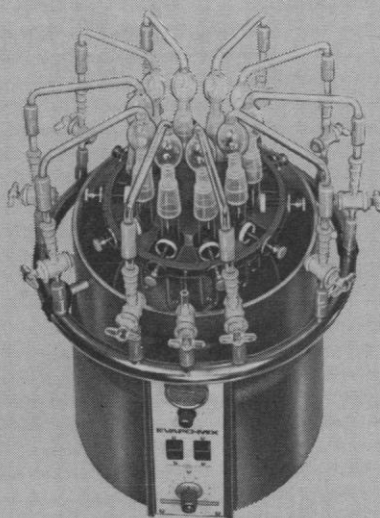
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ASSESSMENT OF AIRBORNE PARTICLES: Fundamentals, Applications, and Implications to Inhalation Toxicity edited by Thomas T. Mercer, Paul E. Morrow and Werner Stober, *all of The Univ. of Rochester, New York.* (26 Contributors) '72, 560 pp. (6 3/4 x 9 3/4), 232 il., 58 tables, \$32.75

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HUMAN ECOLOGY AND SUSCEPTIBILITY TO THE CHEMICAL ENVIRONMENT (4th Ptg.) by Theron G. Randolph, *The Swedish Covenant Hospital, Chicago.* '72, 160 pp., 1 il., \$7.50

ISBN 0-398-01548-1

HUMAN STERILIZATION: A Conference Sponsored by International Institute for the Study of Human Reproduction, College of Physicians and Surgeons of Columbia University, and Center for Population Research, National Institute of Child Health and Human Development edited by Ralph M. Richart and Denis J. Prager. Forewords by Philip A. Corfman and Raymond L. Vande Wiele. (33 Contributors) '72, about 440 pp., 140 il., 55 tables

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Press, Cranbury, N.J., 1972. 120 pp. + plates. \$8.

Man in the Living Environment. A workshop, Madison, June 1971. Published for the Institute of Ecology by the University of Wisconsin Press, Madison, 1972. xxiv, 288 pp., illus. Cloth, \$12.50; paper, \$2.50.

A Manual for Surgical Pathologists. Eugene Fazzini, Dudley Weber, and Elaine Waldo. Thomas, Springfield, Ill., 1972. x, 100 pp., illus. \$8.50.

Mathematical Model Techniques for Learning Theories. Gustav Levine and C. J. Burke. Academic Press, New York, 1972. xii, 288 pp. \$12.50.

Membrane Structure. D. Branton and D. W. Deamer. Springer-Verlag, New York, 1972. viii, 70 pp., illus. \$13.10. Protoplasmatologia, Vol. 2, E, 1.

Modular Programming. Jeff Maynard. Auerbach, Princeton, N.J., 1972. viii, 100 pp., illus. \$8.95.

Moral Treatment in Community Mental Health. J. Sanbourne Bockoven. Springer, New York, 1972. xiv, 306 pp. \$7.95.

MTP International Review of Science. Butterworths, London; University Park Press, Baltimore, 1972. Vol. 8, Radiochemistry. A. G. Maddock, Ed. xii, 336 pp., illus. Vol. 10, Solid State Chemistry. L. E. J. Roberts, Ed. xii, 314 pp., illus. Each vol., \$24.50. Inorganic Chemistry Series 1.

Multivariable Technical Control Systems. A symposium, Duesseldorf, Oct. 1971. H. Schwarz, Ed. North-Holland, Amsterdam; Elsevier, New York, 1972. Four vols. Vol. 1, Technical Papers. Various pages, illus. Vol. 2, Technical Papers. Various pages, illus. Vol. 3, Technical Papers. Various pages, illus. Vol. 4, Survey Papers. viii, 204 pp., illus. The set, \$69.

Mutagenic Effects of Environmental Contaminants. A meeting, Bethesda, Md. H. Eldon Sutton and Maureen I. Harris. Academic Press, New York, 1972. xiv, 196 pp., illus. \$7.50. Fogarty International Center Proceedings, No. 10. Environmental Sciences.

The Nature of Life. Derry D. Koob and William E. Boggs. Addison-Wesley, Reading, Mass., 1972. xviii, 492 pp., illus. \$9.95.

The Nervous System. Introduction and Review. Charles R. Noback and Robert J. Demarest. McGraw-Hill, New York, 1972. x, 210 pp., illus. Cloth, \$6.95; paper, \$4.95.

Non-Homogeneous Boundary Value Problems and Applications. Vol. 1. J. L. Lions and E. Magenes. Translated from the French edition (Paris, 1968) by P. Kenneth. xvi, 360 pp. \$24.30. Grundlehren der mathematischen Wissenschaften, Band 181.

Normative Systems. Carlos E. Alchourrón and Eugenio Bulygin. Springer-Verlag, New York, 1971. xviii, 208 pp. \$21.50. Library of Exact Philosophy, 5.

Operations Research and Reliability. Proceedings of a NATO conference, Turin, Italy, June 1969. Daniel Grouchkov, Ed. Gordon and Breach, New York, 1972. xvi, 626 pp., illus. \$19.50.

Optimum Packing and Depletion. The Computer in Space- and Resource-Usage Problems. A. R. Brown. Macdonald, London.

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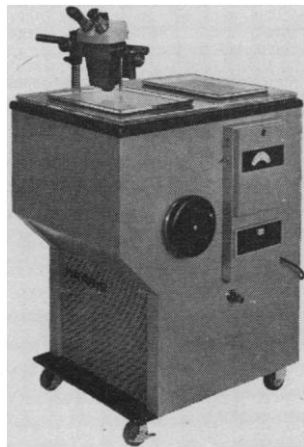
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don; Elsevier, New York, 1972. viii, 108 pp., illus. \$5.75. Computer Monographs.

Orbital Symmetry. A Problem-Solving Approach. Roland E. Lehr and Alan P. Marchand. Academic Press, New York, 1972. x, 190 pp., illus. Paper, \$4.95.

Organization of Memory. Endel Tulving and Wayne Donaldson, Eds. Academic Press, New York, 1972. xiv, 424 pp., illus. \$17.50.

The Oribatid Genera of the World. J. Balogh. Akadémiai Kiadó, Budapest, 1972. 188 pp. + plates. \$13.

Our Changing Fisheries. Sidney Shapiro, Ed. National Marine Fisheries Service, Washington, D.C., 1971 (available from the Superintendent of Documents, Washington, D.C.). x, 534 pp., illus. \$9.

Paleogeography and Geological History of Greater Antilles. K. M. Khudoley and A. A. Meyerhoff. Geological Society of America, Boulder, Colo., 1971. xvi, 200 pp., illus. \$12. Memoir 129.

Pathology of the Nervous System. Vol. 3. Jeff Minckler, Ed. McGraw-Hill, New York, 1972. xvi pp. + pp. 2241-3088, illus. \$67.50.

Pathophysiology of Gestation. Vol. 1, Maternal Disorders. Nicholas S. Assali and Charles R. Brinkman, III, Eds. Academic Press, New York, 1972. xviii, 618 pp., illus. \$29.

Perspectives in Educational and Psychological Measurement. Glenn H. Bracht, Kenneth D. Hopkins, and Julian C. Stanley, Eds. Prentice-Hall, Englewood Cliffs, N.J., 1972. xviii, 358 pp. Cloth, \$8.95; paper, \$5.95. Prentice-Hall Series in Educational Measurement, Research, and Statistics.

Perspectives in Neuropharmacology. A Tribute to Julius Axelrod. Solomon H. Snyder, Ed. Oxford University Press, New York, 1972. xii, 404 pp., illus. \$17.50.

The Physiology of the Eye. Hugh Davson. Academic Press, New York, ed. 3, 1972. viii, 644 pp., illus. \$18.50.

Primate Evolution. An Introduction to Man's Place in Nature. Elwyn L. Simons. Macmillan, New York, 1972. xii, 322 pp., illus. Paper, \$5.95. Macmillan Series in Physical Anthropology.

Principles of College Chemistry. Glenn H. Miller. Canfield (Harper and Row), San Francisco, 1972. xvi, 368 pp., illus. \$10.95.

The Principles of Mechanistic Biology. Theodore Savory. Merrow, Watford, England, 1971 (U.S. distributor, Bonn Industries, Plainfield, N.J.). viii, 36 pp. \$4. Merrow Monographs, Biology Series.

Principles of Sensory Physiology. Henry Tamar. Thomas, Springfield, Ill., 1972. x, 396 pp., illus. \$21.50.

Probability and Statistics. Julius R. Blum and Judah I. Rosenblatt. Saunders, Philadelphia, 1972. x, 550 pp., illus. \$13.95. Solutions Manual for Probability and Statistics, 194 pp., illus. Paper, \$3.50.

Proceedings of the Sixth Leucocyte Culture Conference. San Juan Islands, June 1971. M. Roy Schwarz, Ed. Academic Press, New York, 1972. xxvi, 874 pp., illus. \$19.50.

Project Acac. An Experimental Investigation in Synthesis and Structure. Harry B. Gray, John G. Swanson, Thomas H.

Crawford. Bogden and Quigley, Tarrytown-on-Hudson, N.Y., 1972. viii, 136 pp., illus. Paper, \$6.

Projective Geometry and Algebraic Structures. R. J. Mihalak. Academic Press, New York, 1972. xii, 220 pp., illus. \$9.75.

The Psychiatric Programming of People. Neo-Behavioral Orthomolecular Psychiatry. H. L. Newbold. Pergamon, New York, 1972. x, 110 pp., illus. \$7.75. Pergamon General Psychology Series.

Psychology. A Study of Its Origins and Principles. Daniel N. Robinson. Dickenson, Encino, Calif., 1972. xxii, 362 pp., illus. \$9.95.

The Psychoanalytic Study of Society. Vol. 5. Warner Muensterberger and Aaron H. Esman, Eds. International Universities Press, New York, 1972. 258 pp., illus. \$12.

Psychology as a Natural Science. Charles W. Telford and James M. Sawrey. Brooks/Cole, Monterey, Calif., 1972. xx, 458 pp., illus. \$8.95. Studying Psychology as a Natural Science, viii, 222 pp. Paper, \$3.95. Second edition of Psychology: A Concise Introduction to the Fundamentals of Behavior.

The Psychology of Learning and Motivation. Advances in Research and Theory. Vol. 5. Gordon H. Bower, Ed. Academic Press, New York, 1972. xii, 388 pp., illus. \$14.50.

Quick COBOL. L. Coddington. Macdonald, London; Elsevier, New York, 1972. xiv, 266 pp., illus. \$7.95. Computer Monographs.

Reading between the Lines. Doctor-Patient Communication. Lucille Hollander Blum. International Universities Press, New York, 1972. xvi, 184 pp. \$7.50.

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Science, Scientists, and Society. William Beranek, Jr., Ed. Bogden and Quigley, Tarrytown-on-Hudson, N.Y., 1972. viii, 200 pp., illus. Paper, \$2.95.

Semiconductors and Semimetals. Vol. 8, Transport and Optical Phenomena. R. K. Willardson and Albert C. Beer, Eds. Academic Press, New York, 1972. xiv, 420 pp., illus. \$24.

The Sexual Code. The Social Behavior of Animals and Men. Wolfgang Wickler. Doubleday, Garden City, N.Y., 1972. xxxiv, 302 pp., illus. \$7.95.

VI. Internationales Symposium über Struktur und Funktion der Erythrocyten. Berlin. S. Rapoport and F. Jung, Eds. Akademie-Verlag, Berlin, 1972. 686 pp., illus. 150 DM. Abhandlungen der deutschen Akademie der Wissenschaften zu Berlin.

The Social Construction of Communities. Gerald D. Suttles. University of Chicago Press, Chicago, 1972. x, 278 pp., illus. \$9.50. Studies of Urban Society.

Statistical Properties of Nuclei. A conference, Albany, N.Y., Aug. 1971. J. B. Garg, Ed. Plenum, New York, 1972. xxx, 666 pp., illus. \$32.50.

The Susquehanna Compact. Guardian of the River's Future. William Voigt, Jr. Rutgers University Press, New Brunswick, N.J., 1972. xiv, 338 pp., illus. \$15.



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Tensor Analysis and Continuum Mechanics. Wilhelm Flügge. Springer-Verlag, New York, 1972. viii, 208 pp., illus. \$15.

Theory of Optimal Experiments. V. V. Fedorov. Edited and translated from the Russian edition (Moscow, 1969) by W. J. Studden and E. M. Klimko. Academic Press, New York, 1972. xii, 292 pp., illus. \$16. Probability and Mathematical Statistics.

Theory of Public Choice. Political Applications of Economics. James M. Buchanan and Robert D. Tollison, Eds. University of Michigan Press, Ann Arbor, 1972. vi, 330 pp., illus. \$15.

The Theory of Relativity. C. Møller. Oxford University Press, New York, ed. 2, 1972. xiv, 558 pp., illus. \$44.25. International Series of Monographs on Physics.

Times of Feast, Times of Famine. A History of Climate Since the Year 1000. Emmanuel le Roy Ladurie. Translated from the French edition (Paris, 1967) by Barbara Bray. Doubleday, Garden City, N.Y., 1971. xxiv, 426 pp. + plates. \$10.

To Know What We Are. A Scientific and Biblical Study of Man and His Universe. Fred C. Bond. Exposition Press, Jericho, N.Y., 1972. 178 pp. \$6.

Transactions. The Interplay between Individual, Family, and Society. John Spiegel. John Papajohn, Ed. Science House, 1972. xx, 456 pp. \$16.50.

The Treatment of Drug Abuse. Programs, Problems, Prospects. Raymond M. Glasscote, James N. Sussex, Jerome H. Jaffe, John Ball, and Leon Brill. American Psychiatric Association Joint Information Service and National Association for Mental Health, Washington, D.C., 1972. xii, 250 pp. \$7. Publications of the Joint Information Service.

Triage. Leonard C. Lewin. Dial, New York, 1972. viii, 216 pp. \$5.95.

The Trypanosomes of Mammals. A Zoological Monograph. Cecil A. Hoare. Blackwell, Oxford, England, 1972 (U.S. distributor, Davis, Philadelphia). xviii, 750 pp. + plates. \$34.50.

Turning Points in Western Technology. A Study of Technology, Science and History. D. S. L. Cardwell. Science History (Neale Watson), New York, 1972. xii, 244 pp., illus. Cloth, \$10.50; paper, \$5.

XIIth European Conference on Animal Blood Groups and Biochemical Polymorphism. Budapest, July 1970. G. Kovács and M. Papp, Ed. Junk, The Hague, 1972. 686 pp., illus. 90 guilders. European Society for Animal Blood Group Research.

Two-Point Boundary Value Problems. Shooting Methods. Sanford M. Roberts and Jerome S. Shipman. Elsevier, New York, 1972. xiv, 270 pp. + index. \$16.50. Modern Analytic and Computational Methods in Science and Mathematics, No. 31.

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