

The range of topics, including phase transitions, quadrupole resonances, liquid crystals, organic conductors, defects in solids, and so on, is too wide to be treated here, and the reports are for the most part of interest to specialists only. I was particularly struck by the truly elegant demonstration of A. Abragam and co-workers at Saclay that resonance phenomena are not restricted to manifestations of the electromagnetic interaction. Their experiments show that the spin dependence of the nuclear strong interaction between a neutron beam and a polarized proton target can give rise to Larmor precession of the neutrons and other features of magnetic resonance. The consequences may be many for understanding of this most mysterious nuclear force.

DOUGLAS E. MACLAUGHLIN
*Department of Physics,
University of California, Riverside*

Books Received

The Animal in Its World. Explorations of an Ethologist 1932-1972. Vol. 2, Laboratory Experiments and General Papers. Niko Tinbergen. Harvard University Press, Cambridge, Mass., 1973. 232 pp., illus. \$14.

Annual Review of Materials Science. Vol. 3. Robert A. Huggins, Richard H. Bube, and Richard W. Roberts, Eds. Annual Reviews, Palo Alto, Calif., 1973. x, 484 pp., illus. \$12.

Annual Review of Physical Chemistry. Vol. 24. H. Eyring, C. J. Christensen, and H. S. Johnston, Eds. Annual Reviews, Palo Alto, Calif., 1973. x, 546 pp., illus. \$12.

Applied Statistics. Analysis of Variance and Regression. Olive J. Dunn and Virginia A. Clark. Wiley, New York, 1974. xii, 388 pp., illus. \$17.95. Wiley Series in Probability and Mathematical Statistics.

Atlas of Texas. Stanley A. Arbingast and seven others. Bureau of Business Research, University of Texas, Austin, 1973. viii, 132 pp., illus. Spiral bound, \$5.

The Behavioural Physiology of Animals and Man. Vol. 1. Erich von Holst. Translated from the German edition (Munich, 1969) by Robert Martin. University of Miami Press, Coral Gables, Fla., 1973. xiv, 342 pp., illus. \$18.

Benzofurans. Ahmed Mustafa. Interscience (Wiley), New York, 1974. xviii, 514 pp., illus. \$9.95. Chemistry of Heterocyclic Compounds, vol. 29.

Biology of Tetrahymena. Alfred M. Elliott, Ed. Dowden, Hutchinson, and Ross, Stroudsburg, Pa., 1973. x, 508 pp., illus. \$35.

Black and White Self-Esteem. The Urban School Child. Morris Rosenberg and Roberta G. Simmons. American Sociologi-

cal Association, Washington, D.C., 1972. Paper. Arnold M. and Caroline Rose Monograph Series.

The Butterflies of Southern California. Thomas C. Emmel and John F. Emmel. Natural History Museum of Los Angeles County, Los Angeles, 1973. xii, 148 pp., illus. Paper, \$4. Science Series, No. 26.

Cartographic Design and Production. J. S. Keates. Halsted (Wiley), New York, 1973. xvi, 240 pp., illus. \$24.95.

Chemical Kinetics. Homogeneous Reactions. N. M. Emanuel' and D. G. Knorre. Translated from the Russian edition (Moscow, 1969) by R. Kondor. Halsted (Wiley), New York, 1973. xii, 448 pp., illus. \$18.95.

The Chemical Kinetics of Enzyme Action. Keith J. Laidler and Peter S. Bunting. Clarendon (Oxford University Press), New York, ed. 2, 1973. xii, 472 pp., illus. \$41.75.

Climatic Geomorphology. Edward Derbyshire, Ed. Barnes and Noble, New York, 1973. 296 pp., illus. \$15.

Colloid Science. Vol. 1. A Review of the Literature Published during 1970 and 1971. D. H. Everett, Senior Reporter. Chemical Society, London, 1973. viii, 264 pp., illus. £6.50. Specialist Periodical Reports.

Community Information Expositions. Issue-Oriented Displays and Popular Understanding of Social Problems. Thomas V. Vonier and Richard A. Scribner. American Association for the Advancement of Science, Washington, D.C., 1973. xii, 72 pp., illus. Paper.

Comparative Immunology of the Oral Cavity. Papers from a symposium, Philadelphia, Dec. 1971. Stephen E. Mergenhagen and Henry W. Scherp, Eds. National Institutes of Health, Bethesda, Md., 1973 (available from the Superintendent of Documents, Washington, D.C.). viii, 236 pp., illus. \$4.75.

Conscription, Protest, and Social Conflict. The Life and Death of a Draft Resistance Movement. Michael Useem. Wiley-Interscience, 1973. xxii, 330 pp., illus. \$12.50.

The Cryopreservation of Normal and Neoplastic Cells. Proceedings of a conference, Villejuif, France, June 1973. Institut National de la Santé et de la Recherche Medicale, Paris, 1973. 218 pp., illus. Paper, 50 F.

Effect of Carbohydrates on Lipid Metabolism. I. Macdonald, Ed. Karger, Basel, 1973 (U.S. distributor, Phiebig, White Plains, N.Y.). x, 310 pp., illus. \$52.35. Progress in Biochemical Pharmacology, vol. 8.

Electron Spin Resonance. Theory and Applications. N. M. Atherton. Ellis Horwood, Chichester, England, and Halsted (Wiley), New York, 1973. x, 438 pp., illus. \$35. Ellis Horwood Series in Physical Chemistry.

Energy, Electric Power, and Man. Timothy J. Healy. Boyd and Fraser, San Francisco, 1974. xvi, 356 pp., illus. \$9.95.

Energy Fluxes over Polar Surfaces. Proceedings of a symposium, Moscow, Aug. 1971. Sverre Orvig, Ed. World Meteorological Organization, Geneva, 1973. vi, 300 pp., illus. Paper, \$35.50. Technical Note, No. 129.

Esperanza. An Ethnographic Study of a

Peasant Community in Puerto Rico. Carlos Buitrago Ortiz. University of Arizona Press, Tucson, 1973. xii, 218 pp., illus. Paper, \$4.95. Viking Fund Publications in Anthropology, No. 50.

Essentials of Abnormal Psychology. Benjamin Kleinmuntz. Harper and Row, New York, 1973. xii, 590 pp., illus. \$12.95.

Ethics in Medicine in a Changing Society. Proceedings of a symposium, Minneapolis, Minn., Jan. 1973. Stacey B. Day, Ed. Bell Museum of Pathobiology, University of Minnesota Medical School, Minneapolis, 1973. viii, 72 pp. Cloth, \$5.50; paper, \$2.50.

Eyelids of Morning. The Mingled Destinies of Crocodiles and Men. Alistair Graham. Illustrations by Peter Beard. New York Graphic Society, Greenwich, Conn., 1974. 260 pp., illus. \$22.50.

The Fine Structure of Cotton. An Atlas of Cotton Microscopy. Inez V. deGruy, Jarrell H. Carra, and Wilton R. Goynes. Robert T. O'Connor, Ed. Dekker, New York, 1973. xiv, 226 pp., illus. \$3. Fiber Science Series, vol. 6.

Foundation Engineering for Difficult Subsoil Conditions. Leonardo Zeevaert. Van Nostrand Reinhold, New York, 1973. xviii, 652 pp., illus. \$24.95.

Mechanics. N. C. Barford. Wiley, New York, 1973. xvi, 392 pp., illus. Cloth, \$19.50; paper, \$10.95.

Memories II. Julian Huxley. Harper and Row, New York, 1973. 270 pp. + plates. \$8.95.

Mental Illness in Perspective. History and Schools of Thought. Robert A. Clark. Boxwood Press, Pacific Grove, Calif., 1973. vi, 106 pp. Cloth, \$3.75; paper, \$2.95.

Microbial Photosynthesis. June Lascelles, Ed. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1973. xiv, 402 pp., illus. \$20. Benchmark Papers in Microbiology.

Migraine. The Evolution of a Common Disorder. Oliver Sacks. University of California Press, Berkeley, ed. 2, 1973. 220 pp., illus. Paper, \$2.95.

Models for Environmental Pollution Control. Rolf A. Deininger, Ed. Ann Arbor Science Publishers, Inc., Ann Arbor, Mich., 1973. xii, 448 pp., illus. \$24.50.

The Modern Concept of Nature. Essays on Theoretical Biology and Evolution. H. J. Muller. Elof Axel Carlson, Ed. State University of New York Press, Albany, 1973. xiv, 272 pp. Cloth, \$8.95; paper, \$4.95.

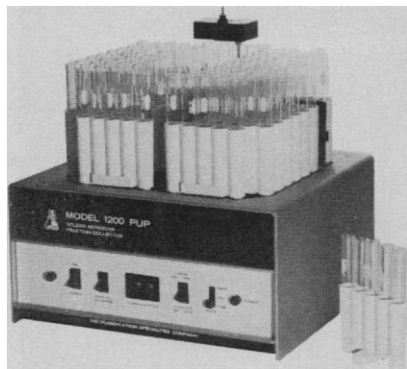
Morphogenesis of T-Even Bacteriophages. B. F. Poglazov. Karger, Basel, 1973 (U.S. distributor, Phiebig, White Plains, N.Y.). vi, 106 pp., illus. \$19.65. Monographs in Developmental Biology, vol. 7.

Multivariate Analysis. Vol. 3. Proceedings of a symposium, Dayton, Ohio, June 1972. Paruchuri R. Krishnaiah, Ed. Academic Press, New York, 1973. xviii, 410 pp., illus. \$36.

Music and Society. The Later Writings of Paul Honigsheim. K. Peter Etzkorn, Ed. Wiley-Interscience, New York, 1973. xxii, 328 pp. \$14.95.

Nature in the Round. A Guide to Environmental Science. Nigel Calder, Ed. (Continued on page 200)

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Viking, New York, 1973. xii, 296 pp., illus. \$8.95.

Noise and Man. William Burns. Lippincott, Philadelphia, ed. 2, 1973. xii, 460 pp., illus. \$20.

Nonlinear Almost Periodic Oscillations. M. A. Krasnosel'skii, V. Sh. Burd, and Yu. S. Kolesov. Translated from the Russian edition (Moscow, 1970) by A. Libin. Halsted (Wiley), New York, 1973. x, 326 pp. \$36.

Nuclear Physics. M. G. Bowler. Pergamon, New York, 1973. xii, 420 pp., illus. \$18. International Series of Monographs in Natural Philosophy, vol. 53.

Organic Reactions. Vol. 20. William G. Dauben and nine others, Eds. Wiley, New York, 1973. xii, 494 pp., illus. \$22.50.

Otophysiology. Proceedings of a symposium, Ann Arbor, Mich., May 1971. Joseph E. Hawkins, Jr., Merle Lawrence, and Walter P. Work, Eds. Karger, Basel, 1973 (U.S. distributor, Phiebig, White Plains, N.Y.). vi, 542 pp., illus. \$76.35. Advances in Oto-Rhino-Laryngology, vol. 20.

Patterns of Personality Judgment. Rudolf Cohen. Translated from the German edition (Bern, 1969) by Dirk L. Schaeffer. Academic Press, New York, 1973. x, 366 pp. \$20.

Pharmacology and the Future of Man. Proceedings of a congress, San Francisco, July 1972. G. H. Acheson, Ed. Karger, Basel, 1973 (U.S. distributor, Phiebig, White Plains, N.Y.). Five vols., illus. Vol. 1, Drug Abuse and Contraception. xviii, 300 pp. \$29. Vol. 2, Toxicological Problems, xviii, 242 pp. \$23.75. Vol. 3, Problems of Therapy. xviii, 508 pp. \$46.50. Vol. 4, Brain, Nerves, and Synapses. xviii, 484 pp. \$43.75. Vol. 5, Cellular Mechanisms. xviii, 452 pp. \$41.75. The set, \$143.

Photographic Sensitivity. Proceedings of a symposium, Cambridge, England, Sept. 1972. R. J. Cox, Ed. Published for the Scientific and Technical Group of the Royal Photographic Society by Academic Press, New York, 1973. xvi, 410 pp., illus. \$23.

Photographic Techniques in Scientific Research. Vol. 1. J. Cruise and A. Newman, Eds. Academic Press, New York, 1973. x, 350 pp., illus. \$21.50.

Physical Principles and Techniques of Protein Chemistry. Part C. Sydney J. Leach, Ed. Academic Press, New York, 1973. xiv, 622 pp., illus. \$44. Molecular Biology Series.

Physics and Chemistry of Ice. Papers of a symposium, Ottawa, Canada, Aug. 1972. E. Whalley, S. J. Jones, and L. W. Gold, Eds. Royal Society of Canada, Ottawa, 1973. xiv, 404 pp., illus. \$30.

Placebo Therapy. A Practical Guide to Social Influence in Psychotherapy. Jefferson M. Fish. Jossey-Bass, San Francisco, 1974. xii, 164 pp. \$8.75. The Jossey-Bass Behavioral Science Series.

Planning for Man and Nature in National Parks. Reconciling Perpetuation and Use. Richard R. Forster. International Union for Conservation of Nature and Natural Resources. Morges, Switzerland,

1973. 86 pp., illus. Paper. IUCN Publications new series, No. 26.

Progress in Polymer Science. Japan. Vol. 6. S. Onogi and K. Uno, Eds. Kodansha, Tokyo, and Halsted (Wiley), New York, 1973. x, 302 pp., illus. \$19.50.

Radioactive Isotopes in Biological Research. William R. Hendee. Wiley-Interscience, New York, 1973. xviii, 356 pp., illus. \$14.95.

Radioecology. V. M. Klechkovskii, G. G. Polikarpov, and R. M. Aleksakhin, Eds. Translated from the Russian edition (Moscow, 1971) by N. Kaner and H. Mills. Halsted (Wiley), New York, 1973. xii, 372 pp., illus. \$35.

Raw Material Supply in a Multipolar World. Yuan-li Wu. Crane, Russak, New York, 1973. xiv, 56 pp., illus. \$4.95.

Representative Government and Environmental Management. Edwin T. Haebele. Published for Resources for the Future by Johns Hopkins University Press, Baltimore, 1974. xiv, 188 pp., illus. \$8.95.

Residue Reviews. Residues of Pesticides and Other Contaminants in the Total Environment. Vol. 49. Francis A. Gunther and Jane Davies Gunther, Eds. Springer-Verlag, New York, 1973. viii, 158 pp., illus. \$14.80.

Responses of Fish to Environmental Changes. Walter Chavin, Ed. Thomas, Springfield, Ill., 1973. x, 460 pp., illus. \$19.75.

The Salmon. Their Fight for Survival. Anthony Netboy. Houghton Mifflin, Boston, 1974. xxii, 614 pp., illus. + plates. \$15.

Schooling in the Ecology of Fish. D. V. Radokov. Translated from the Russian edition (Moscow, 1972) by H. Mills. Halsted (Wiley), New York, 1973. viii, 174 pp., illus. \$19.75.

The Science of Design. Gordon L. Glegg. Cambridge University Press, New York, 1973. viii, 94 pp., illus. \$5.75.

Solid/Solid Interfaces. The Faraday Division, Chemical Society, London, 1973. 230 pp., illus. + plates. Paper, £5. Faraday Special Discussions of the Chemical Society, No. 2.

Solid Waste Management. D. Joseph Hagerty, Joseph L. Pavoni, and John E. Heer, Jr. Van Nostrand Reinhold, New York, 1973. xiv, 302 pp., illus. \$16.95. Van Nostrand Reinhold Environmental Engineering Series.

Le Solide Cristallin. Robert Collongues. Presses Universitaires de France, Paris, 1973. 224 pp., illus. Paper, 30 F. Collection sur le chimiste.

Spatial Structures. Introducing the Study of Spatial Systems in Human Geography. R. J. Johnston. St. Martin's, New York, 1973. x, 138 pp., illus. \$6.95. The Field of Geography.

Stereochemistry and Bonding in Inorganic Chemistry. J. E. Fergusson. Prentice-Hall, Englewood Cliffs, N.J., 1974. x, 310 pp., illus. \$15.95. Prentice-Hall International Series in Chemistry.

Synthetic Procedures in Nucleic Acid Chemistry. Vol. 2, Physical and Physicochemical Aids in Characterization and in Determination of Structure. W. Werner Zorbach and R. Stuart Tipson, Eds. Wiley-Interscience, New York, 1973. xii, 674 pp., illus. \$35.