

in early stages of development follow the advice, frequently given to them, that they too should adopt a progressive tax system, they may seriously interfere with their economic development. The author warns against applying policies which may be suitable for one group of countries to the other group without full consideration of the differences in motivation, value systems, and institutions. His pet peeve is the neoclassical approach to economics, which believes that there is a truth in economics applicable to all countries and conditions.

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Die Entdeckung neuer Organisations-typen im Tierreich. *Die Neue Brehm-Bücherei*, No. 258. Peter Ax. Ziemsen, Wittenberg, East Germany. 1960. 116 pp. Illus. DM. 6.50 (approximately \$1.60).

This small paperback in the "Neue Brehm-Bücherei" series is packed with information on a wide variety of recently discovered and unusual animal types, including *Neopilina*, Pogonophora, *Halammohydra*, *Monobryozoon*, Mystacocarida, Cephalocarida, Xenoturbellida, Gnathostomulida, Monotoplanidae, Polystyliphoridae, and *Latimeria*. The text is richly illustrated, well written, concise, and scholarly; where appropriate, emphasis is placed on morphology, physiology, ecology, or phylogeny. There are 104 references to a greatly scattered literature. Every serious Ph.D. candidate in invertebrate zoology should have this excellent little book.

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New Books

Mathematics, Physical Sciences, and Engineering

Aerodynamic Capture of Particles. E. G. Richardson, Ed. Pergamon, New York, 1960. 208 pp. Illus. \$8. Proceedings of a conference held by the British Coal Utilization Research Association at Leatherhead in 1960; the discussion covers theoretical and fundamental aspects, experimental application of capture techniques, and capture of particles by raindrops.

Block and Graft Polymers. William J. Burlant and Allan S. Hoffman. Reinhold,

New York; Chapman and Hall, London, 1960. 172 pp. Illus. \$7.95.

Cobalt. Its chemistry, metallurgy, and uses. Roland S. Young, Ed. Reinhold, New York; Chapman and Hall, London, 1960. 431 pp. Illus. \$15. "This new book replaces . . . monograph No. 108 *Cobalt*, written by the present Editor."

Extractive and Physical Metallurgy of Plutonium and Its Alloys. Including a special introduction and annotated bibliography. W. D. Wilkinson, Ed. Interscience, New York, 1960. 324 pp. Illus. \$10.50. Based on a symposium (16-17 February 1959) sponsored by the Metallurgical Society and the American Institute of Mining, Metallurgical, and Petroleum Engineers.

Field Theory of Guided Waves. Robert E. Collin. McGraw-Hill, New York, 1960. 619 pp. Illus. \$16.50.

The Mysterious Earth. Lester Del Rey. Chilton, Philadelphia, Pa., 1960. 226 pp. \$2.95.

The New Age in Physics. Sir Harrie Massey. Harper, New York, 1960. 342 pp. Illus. + plates. \$5.

Official Methods of Analysis of the Association of Official Agricultural Chemists. William Horwitz, Ed. The Association, Box 540, Benjamin Franklin Sta., Washington, D.C., ed. 9, 1960. 852 pp. Illus. \$17.50.

Phosphorus Metabolism of Brain. P. J. Heald. Pergamon, New York, 1960. 202 pp. Illus. \$6.50.

Physical Methods of Organic Chemistry. vol. 1, pt. 3. Arnold Weissberger, Ed. Interscience, New York, 1960. 860 pp. \$24.50.

Polystyrene. William C. Teach and George Kiessling. Reinhold, New York; Chapman and Hall, London, 1960. 187 pp. \$5.

Principles of Meteoritics. E. L. Krinov. Translated by Irene Vidzunas. Translation edited by Harrison Brown. Pergamon, New York, 1960. 546 pp. Illus. \$12.

Pulp and Paper. Chemistry and chemical technology. vol. 3, *Papermaking*. James P. Casey. Interscience, New York, ed. 2, 1960. 337 pp. Illus. \$25.

Pure Mathematics. A university and college course. vol. 1, *Calculus*. F. Gerish. Cambridge Univ. Press, New York, 1960. 409 pp. Illus. \$5.

Qualitative Theory of Differential Equations. V. V. Nemytskii and V. V. Stepanov. Princeton Univ. Press, Princeton, N.J., 1960. 531 pp. Illus. \$12.50.

Radiation Chemistry of Organic Compounds. A. J. Swallow. Pergamon, New York, 1960. 389 pp. Illus. + plates. \$15.

Sixth National Symposium on Vacuum Technology, Transactions, 1959. Also cumulative index of 1954-1959 symposia. C. Robert Meissner, Ed. Pergamon, New York, 1960. 335 pp. Illus. \$17.50. Contents: 58 papers presented at the annual symposium; index A in which titles of papers presented at previous symposia are arranged in chronological order; index B, in which authors and coauthors are listed alphabetically.

Solid Propellant Rocket Research. Martin Summerfield, Ed. Academic Press, New York, 1960. 711 pp. Illus. \$6.50.

Solution of Equations and Systems of

Equations. A. M. Ostrowski. Academic Press, New York, 1960. 211 pp. Illus. \$6.80.

The Solubility Product Principle. An introduction to its uses and limitations. S. Lewin. Interscience, New York, 1960. 129 pp. Illus. \$3.50.

Space Trajectories. A symposium sponsored by the American Astronautical Society, the Advanced Research Projects Agency, and Radiation Incorporated. T. C. Helvey, Symposium Chairman. Academic Press, New York, 1960. 308 pp. Illus. \$12.

Specification and Engineering Writer's Manual. Thomas S. Sawyer. Nelson-Hall, Chicago, Ill., 1960. 231 pp. \$6.95.

Tables of Thermodynamic and Transport Properties of Air, Argon, Carbon Dioxide, Carbon Monoxide, Hydrogen, Nitrogen, Oxygen, and Steam. Joseph Hilsenrath *et al.* Pergamon, New York, 1960. 491 pp. \$20. A revised collection of tables originally published by the U.S. National Bureau of Standards as *Tables of Thermal Properties of Gases* (Circular 564).

The Use of Organic Reagents in Inorganic Analysis. A. I. Busev and N. G. Polianskii. Translated from the Russian by J. T. Greaves. Pergamon, New York, 1960. 82 pp. \$3.50.

Ultraviolet Guide to Minerals. A complete working manual for the use of ultraviolet light in locating and recognizing minerals. Including field identification charts. Sterling Gleason. Van Nostrand, Princeton, N.J., 1960. 256 pp. Illus. + plates. \$6.95.

Waves in Layered Media. Leonid M. Brekhovskikh. Translated from the Russian by David Lieberman. Academic Press, New York, 1960. 571 pp. Illus. \$16.

References and Bibliography

The International Who's Who, 1960. Europa Publications, London, ed. 24, 1960. 1053 pp. \$22.

Scandinavian Research Guide. Directory of research institutions within technology and science, exclusive of life sciences. Scandinavian Council for Applied Research, Blindern, Norway, 1960. 2 volumes (approximately 800 pp.). \$10. The guide, intended as a source of information on the following types of institutions—governmental, semigovernmental and cooperative institutes, and private laboratories which undertake contract work for others—covers institutions in Denmark, Sweden, Iceland, Norway, and Finland. Volume 1 (approximately 680 pages) provides a list of research institutes and laboratories arranged by subject—for example, mathematics, biosciences, and building. Information supplied about each organization includes its affiliation, the name of the head of the organization, the number and type of its staff members, and its research activities and publications. Volume 2 covers the following types of organizations: central research organizations, universities and institutes of technology, scientific societies (and their publications), central scientific and technical libraries and information services, and productivity centers. It also contains a bibliography, and three indexes—subject, institutional, and persons.