

•First Glances at New Books

PHYSICS

INTRODUCTION TO THE THEORY OF RELATIVITY — Peter Gabriel Bergmann — *Prentice-Hall*, 287 p., \$4.50. Albert Einstein in a foreword states that this book satisfies a definite need for a textbook that requires only "a familiarity with calculus and some knowledge of differential equations, classical mechanics, and electrodynamics." The tensor calculus is developed in the book itself. More explanation than is usual in a mathematical treatise makes the mastery of the subject easier. Emphasis is laid on its empirical basis. Some defects of the general theory of relativity are discussed in the final section and possible directions of future research are pointed out.

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PROPAGANDA

PROPAGANDA BY SHORT WAVE — Harwood L. Childs and John B. Whitton, eds.—*Princeton Univ. Press*, 355 p., \$3.75. See page 362.

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ETHNOLOGY

GUAM AND ITS PEOPLE, A Study of Culture Change and Colonial Education — Laura Thompson—*American Council, Institute of Pacific Relations*, 308 p., illus., \$2.50. Giving a vivid and detailed picture of the island and its people, the Chamorro. This book should prove a valuable text when the task of reconstruction is undertaken after the expulsion of the present invaders.

Science News Letter, June 6, 1942

PSYCHOLOGY

THE PREDICTION OF PERSONAL ADJUSTMENT — Paul Horst and others — *Social Science Research Council*, 455 p., \$2. A technical volume dealing with problems of predicting the future of individuals in jobs, the armed forces, war industry, school, marriage and even whether they will persist in a life of crime.

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PSYCHOLOGY—MEDICINE

PSYCHOSURGERY, Intelligence, Emotion and Social Behavior Following Prefrontal Lobotomy for Mental Disorders—Walter Freeman, James W. Watts and Thelma Hunt—*C. C. Thomas*, 337 p., illus., \$6. A technical medical book describing a surgical operation used by the authors in chronic cases of mental illness, in which the frontal lobes are cut off from the rest of the brain. The authors themselves say that the relation of the frontal lobes to mental disease is purely specu-

lative, that the operation is often fatal, or that if "successful" is apt to result in anti-social behavior.

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● Just Off the Press ●

ANNUAL REVIEW OF PHYSIOLOGY, Vol. IV—James Murray Luck and Victor E. Hall, eds.—*Annual Reviews*, 709 p., \$5.

A CAMERA REPORT ON EL CERRITO, A Typical Spanish-American Community in New Mexico—Irving Rusinow—*Govt. Print. Off.*, 136 p., illus., 45c.

THE COMING SHOWDOWN — Carl Dreher — *Little, Brown*, 419 p., \$3.

ESSENTIALS OF ASTRONOMY — John Charles Duncan—*Harper*, 181 p., illus., \$1.85.

THE FARM PRIMER, A Manual for the Beginner and Part-Time Farmer — Walter Magnes Teller—*McKay*, 266 p., \$2.50.

FOUNDATIONS OF ASTRONOMY—W. M. Smart—*Longmans, Green*, 268 p., \$4.20.

FROM COPERNICUS TO EINSTEIN—Hans Reichenbach; trans. by Ralph B. Winn—*Alliance Book Corp.*, 123 p., \$2.

HANDBOOK OF SCIENTIFIC AND TECHNICAL SOCIETIES AND INSTITUTIONS OF THE UNITED STATES AND CANADA (4th ed.)—U. S. Section compiled by Callie Hull and Mildred Paddock; Canadian Section compiled by S. J. Cook and P. A. Howard—*National Research Council*, 389 p., \$4.

INTRODUCTION TO SEMIMICRO QUALITATIVE CHEMICAL ANALYSIS—Louis J. Curtman—*Macmillan*, 377 p., \$2.75.

LANDSCAPE, As Developed by the Processes of Normal Erosion—C. A. Cotton—*Cambridge (Macmillan)*, 301 p., illus., \$4.75.

METALLURGY—Carl G. Johnson—*American Technical Society*, 262 p., illus., \$2.50.

NEW PRACTICAL CHEMISTRY AS APPLIED TO MODERN LIFE (rev. ed.)—Newton Henry Black and James Bryant Conant—*Macmillan*, 683 p., illus., \$2.20.

PAIN—Thomas Lewis—*Macmillan*, 192 p., \$3.

THE "PARTICLES" OF MODERN PHYSICS—J. D. Stranathan—*Blakiston*, 571 p., illus., \$4.

PLANE TRIGONOMETRY MADE PLAIN, With Logarithmic and Trigonometric Tables—Albert B. Carson—*American Technical Society*, 389 p., \$2.75.

PRICE CONTROL, The War Against Inflation—Erik T. H. Kjellstrom and others—*Rutgers Univ. Press*, 171 p., \$2.50.

PROPAGANDA BY SHORT WAVE—Harwood L. Childs and John B. Whitton, eds.—*Princeton Univ. Press*, 355 p., \$3.75.

REPORT OF THE COMMITTEE ON SEDIMENTATION, 1940-1941—*Division of Geology and Geography, National Research Council*, 110 p., mimeographed, \$1.

A SHORTER COURSE IN ORGANIC CHEMISTRY (2d ed.)—J. C. Colbert—*Appleton-Century*, 355 p., \$3.75.

SOLVING SCHOOL HEALTH PROBLEMS, The Astoria Demonstration Study—Dorothy B. Nyswander—*Commonwealth Fund*, 377 p., \$2.

WHAT THE CITIZEN SHOULD KNOW ABOUT CIVILIAN DEFENSE—Walter D. Binger and Hilton H. Railey—*Norton*, 183 p., illus., \$2.50.

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HORTICULTURE

HERBS, Their Culture and Uses—Rosetta E. Clarkson — *Macmillan*, 226 p., illus., \$2.75. We are warned that the war is going to cause a shortage in some of our most-used spices and flavoring herbs, so that it behooves us to do a bit of herb gardening of our own. This book tells how, and lists (with clear line illustrations) more than a hundred plants of interesting taste and odor.

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PSYCHOLOGY

DEVELOPMENTAL DIAGNOSIS, Normal and Abnormal Child Development, Clinical Methods and Practical Applications—Arnold Gesell and Catherine S. Amatruda—*Hoebner*, 447 p., illus., \$6.50. For early detection of abnormalities of mental growth.

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ANTHROPOLOGY

INDIANS OF SOUTH AMERICA — Paul Radin—*Doubleday, Doran*, 324 p., illus., \$4. We Americans have long been interested in the Indians of our own country, but have not bothered to learn much about those in the lands to the south, where they still form large, frequently dominant, elements in the population. This study by a noted Swiss anthropologist offers opportunity to fill in this neglected spot.

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BOTANY

A SYMPOSIUM ON THE STRUCTURE OF PROTOPLASM, A Monograph of the American Society of Plant Physiologists—William Seifriz, ed.—*Iowa State College Press*, 283 p., illus., \$2.50. See page 364.

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PSYCHOLOGY

THINK FOR YOURSELF, A Handbook of Training in Initiative and Intelligence for Fighting Services—*Longmans, Green*, 60 p., illus., 40c. A pocket-size book of British origin intended to "help Platoon Officers and N.C.O.'s to lay a foundation in the early training of soldiers on which the habit of thinking for themselves will be formed."

Science News Letter, June 6, 1942

CHILD STUDY

UNDERSTANDING YOUR BABY, How He Grows and What He Needs—Lois R. Schulz and Mollie Stevens Smart—*Sun Dial Press*, illus., \$1.

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