FUNDAMENTALS OF SOIL SCIENCE. By C. E. Miller, L. M. Turk and H. D. Foth. John Wiley & Sons, 440 Fourth Ave., New York, 526 pp. 1958. $7.75—Like the two previous editions, this third edition is outstanding for its clear exposition of fundamentals. It is written with the needs of the student in mind and is particularly well suited for students who take only one course in soils. Dr. Foth, Associate Professor of Soil Science at Michigan State University, is new to this edition. His understanding of teaching problems has helped greatly toward clarity of presentation in areas where students usually have difficulty.

The authors have included more emphasis on soil profile characteristics and more discussion of the influence of soil-forming factors on soil development. This will make possible a clearer understanding of the differences in the behavior of soils. The section on clay minerals has been greatly expanded. The role of clay in organic matter accumulation, liquid fertilizers, and the relationship of pH to percent base saturation are some of the many additions to the edition.

This book is outstanding because the chapter sequence provides a logical treatment of the subject. Each chapter is designed for effective study of the subject matter presented. The objectives are clearly stated, and strategically placed questions throughout each chapter guide the student to a recognition of important facts.

The book is highly readable and well illustrated with high quality half tones, diagrams, and line drawings.—A. R. Bertrand.

METHODS OF WEED CONTROL by E. A. Helgeson, Food and Agriculture Organization of the U.N. Rome, 189 pp. 1958. $2.00—In 11 chapters this book covers all aspects of this worldwide problem. Cultural, mechanical and chemical methods are given in detail and equipment described. Specific methods are given for 41 weeds and for 12 field crops, 21 horticultural crops, grasslands and turf. Appendices give definitions, designations and chemical names of herbicides, and reactions of plants to certain herbicides. The book is available from FAO agents in 55 countries, including Columbia University Press, 2960 Broadway, New York 27, N. Y.

EXPERIMENTS IN PROGRESS. NO. 10, and ANNUAL REPORT, 1956–7. Grasslands Research Institute, Hurley, Near Maidenhead, Berkshire, England, 111 pp. 1958. Price 7/6. This important publication now includes original articles on the work of the Institute as well as reports of the various departments—agronomy, biochemistry and animal nutrition, plant physiology, microbiology, and biometrics. The articles by well-known members of the Institute staff include such subjects as Out-of-Season Grass, Application of Fertilizer by Foliar Sprays, and Effect of Ploughing In of Ley Residues. The list of 1956 and 1957 publications from the Institute includes 48 titles from 26 journals.


BIN PALLETs FOR AGRICULTURAL PRODUCTS. By T. B. Heebink. Forest Products Laboratory, Report No. 2113, Madison 9, Wisc., 34 pp. Free—This booklet contains sections on design details, materials, and good construction practices for making pallets which may be useful to many agricultural workers. Single copies are available upon request to the Director of the above laboratory.