**Book Reviews**


This book contains the papers on trace elements presented at the Ohio Agricultural Experiment Station, at Wooster, during its Diamond Jubilee in 1957. The first three papers—"The Role of Micronutrients in Plant Nutrition," by D. I. Arnon; "Trace Elements in Animals," by E. J. Underwood; and "Trace Elements in Microorganisms" by Hutton, Arsonam, Nathan, Baker, Scher, and Curry—introduce the subject in a general way. Another general paper by K. C. Beezon covers "The Relation of Soils to the Micronutrient Element Content of Plants and to Animal Nutrition."

There are then 19 papers each concerned with the occurrence, estimation, synthesis, deficiency symptoms, metabolism, or other behavior or relations of one or two of these elements. Manganese is considered in one of these papers, boron in 3, cobalt in 2, molybdenum in 4, copper in 5, iron in 3, nickel in 6, zinc in 4, and chromium in 2. The book is written by eminent authorities in their respective fields, and the authors of these papers are all authorities in their respective fields. The papers not only include new information but, also, excellent reviews that can bring an unfamiliar reader up to date in each of several fields. Of course, the book cannot cover all aspects of trace elements in these three fields as outlined. But a majority of the trace elements are considered and with the excellent literature reviews the book should be very useful for reference purposes in a number of fields in the long term to come.

The papers in the symposium make it obvious that a great deal of work on trace elements remains to be done. The book should stimulate more research on these elements.

There is, finally, an excellent summary by C. A. Elvehjem which emphasizes, as do many of the papers, the importance of fundamental research on trace elements in the quest of solutions to many practical agronomic problems. Applications of results to the practical field problems have been, in the past, very important and spectacular and the knowledge of trace element deficiency or toxicity has led to correction easily and cheaply. As is pointed out in the book, we still seem to have barely scratched the surface in reaching an understanding of how and why the cures have worked. The wide diversity of topics, the variation in styles of the authors, and the great amount of information presented make the book easily readable and a very valuable source of information.—K. C. Berger, University of Wisconsin.


This book is concerned with the culture and handling of apples, pears, peaches, cherries, plums, apricots, nectarines, quinces, and citrus fruits. More than 800 references, both from this country and abroad, have been cited in this book. Improved methods of orchard operation which have resulted from recent researches are presented for each kind of fruit discussed. Because of the increased interest in smaller fruit trees one complete chapter is devoted to dwarf apple and pear tree fruit production.

The detailed index at the end of the text enables the reader to find information quickly on any phase of fruit production. This book is quite readable because each chapter is broken into a number of subsections dealing with the history of the crop, areas of production, methods of propagation, varieties, soil management, fertilization, pruning, factors affecting fruiting, thinning and harvesting of fruit, storage, and marketing. There are 108 photographs and drawings and 54 tables incorporated into the text.

This book is designed for use as a text for fruit production courses and as a ready reference source for the orchardist. The major deciduous fruit trees are covered quite thoroughly. The production of citrus fruits is adequately covered, however, in proportion to its importance in today's fruit industry. The use of more photographs and drawings would have made this a more interesting book to read, especially for students.—S. C. Wiggans, Oklahoma State University.

**Agronomic Affairs**

**1959 ANNUAL MEETING**

The 1959 Annual Meetings of ASA, CSSA, and SSSA will be held on November 16-20 at the Netherland Hilton and other hotels in Cincinnati, Ohio. Hotel reservation forms were sent out to all members in June. These forms should have been or should be sent to the Agronomy Housing Bureau, 714 Union Central Building, Cincinnati 2, Ohio. If this form is not available, reservations may be made by letter to this Housing Bureau, Attention of Mrs. Ruth Weaver.

**1960 MEETING SITE CHANGED**

The 1960 annual meetings of the American Society of Agronomy will be held in Chicago during the week of November 14-18 rather than in Denver, according to an announcement by the ASA Executive Committee. The Morrison Hotel, located in the Loop Area, has adequate meeting rooms and sufficient sleeping rooms to accommodate our expected group of members and guests, and it will serve as our headquarters for the convention.

The decision to drop Denver for 1960 was made earlier this year, when it was found that the new Courthouse Plaza Hotel—which will be needed in order to handle our group in a comfortable way—would not be completed until February 1961 at the earliest.

In arriving at a choice for an alternate site for 1960, the Executive Committee asked Secretary Montheil and Prof. S. R. Aldrich to survey facilities in Milwaukee and Chicago—since these two cities had received a "tie vote" with respect to a recommendation for our 1963 meetings. After the study was completed, the officers decided in favor of Chicago for our 1960 convention.

**POSITIONS WANTED**


Agronomist, M.S. in farm crops production; minor in botany, Oregon State College, 1959. Desires position in industry, experiment station, extension or teaching. Six years teaching experience in secondary education; 10 years with USDA; one year extension service. Age 44, family. Available immediately. Write A-J 72.

**POSITIONS AVAILABLE**

University of Malaya, Lectureships in the Department of Agriculture

Applications are invited for the above post from persons qualified in any of the following fields:

(a) Plant Science (Agri. Botany, Genetics, and Plant Breeding)
(b) Soil Science (Agri. Geology and Pedology, or Agr. Chemistry)
(c) Agricultural Biochemistry and Organic Chemistry
(d) Agricultural Zoology and Microbiology

Candidates should have at least a good honours degree, with suitable research and teaching experience. Previous experience in tropical agriculture is desirable, but will not be regarded as essential in the case of candidates who are otherwise suitably qualified.

Basic salary scale: £1148 X 49 — £1442/1540 X 56 — £1820 p.a. plus allowances.

Details of the general terms and conditions of appointment in the University of Malaya in Kuala Lumpur and other information may be obtained from the Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1. Applications close on 31 July, 1959.