

## FIRST GLANCES AT NEW BOOKS

THE INSECTS OF AUSTRALIA AND NEW ZEALAND—R. J. Tillyard—*Angus and Robertson* (£2 2s). Australia and New Zealand have been the vertebrate zoologist's wonder of the world for generations, but we of the northern hemisphere have known little of the insects of the lands "down under". The monumental work of Dr. Tillyard now makes this knowledge conveniently available. The insects of the antipodes run through the familiar orders, but even in genera whose names are familiar to us we find species whose aspect is as bizarre as that of a wallaby or a wombat. The problems of phylogeny and distributional history that lie behind some of these forms are nothing less than fascinating. No entomologist who sees this book will be contented until he has had a chance to swing his net in Australia and New Zealand.

*Entomology*

*Science News-Letter, August 3, 1929*

THE PLANT RUSTS—J. C. Arthur—*Wiley* (\$6.50). The biology of the rusts has long been presented in only the sketchiest fashion, not merely in courses in general botany but even in many classes in phytopathology. This has been due at least partly to the fact that the pertinent facts have been scattered through a vast literature. The author of this book and his collaborators have placed plant students of all ranks in their debt by compressing into one wieldy volume the essential facts about the history of their science, the biology of the rusts, their classification and distribution, technique for study, and various other pertinent subjects. It becomes another "automatic necessity" for the botanical bookshelf.

*Botany*

*Science News-Letter, August 3, 1929*

MANUAL OF THE VERTEBRATE ANIMALS—David Starr Jordan—*World Book Co.* (\$4). This pioneer work of one of America's greatest zoologists now appears in its thirteenth revised edition—evidence enough of the popularity and confidence it has enjoyed for many years. Since 1876, when the first edition appeared, this book has been the zoological equivalent of Gray's Manual of Botany, the *vademecum* of the field naturalist in the northeastern quarter of the United States.

*Zoology*

*Science News-Letter, August 3, 1929*

MEAT THROUGH THE MICROSCOPE—C. R. Moulton—*Univ. of Chicago Press* (\$5). Our daily meat has become a much more complicated problem than it was in the days of our grandfathers, when it was the concern of the butcher and the buyer, and of no one else beside. Now, with vast-scale packing, greater economy in use, and hundred per cent. salvage of byproducts, all the resources of chemical and biological science are called upon by the meat technologist. Dr. Moulton's book will be useful, both to those who deal in meats in any way, and to those who merely wish to have an intelligent knowledge of what lies beyond their neighborhood butcher's block.

*Applied Science*

*Science News-Letter, August 3, 1929*

A MANUAL OF EXTERNAL PARASITES—H. E. Ewing—*Thomas* (\$4.50). Making one's life work the study of mites, ticks, lice, fleas and other crawling, sucking, biting arachnids and insects sounds like an itchy and ungrateful sort of a job; but that is what the genial Dr. Ewing has done, and the world owes him gratitude for it. The debt is increased by this his most recent work, wherein he not only condenses the essential taxonomic facts about external parasites, but gives practical suggestions on the best methods of combating them.

*Entomology*

*Science News-Letter, August 3, 1929*

THE BOYS' BOOK OF SALVAGE—David Masters—*Dodd, Mead* (\$2). From the dredging up of doubloons from a 300-year-old wreck of an Armada galleon to the scrapping of the German fleet, tales of the struggle of men to keep the work of their hands out of Davy Jones' locker are told here in a style that will interest boys of all ages, even those who put on their first "long pants" fifty years or more ago.

*Adventure*

*Science News-Letter, August 3, 1929*

THE FISHES OF THE CRANBERRY LAKE REGION—W. C. Kendall and W. A. Dence; and THE STORY OF KING'S POND—F. A. Lucas—*Roosevelt Wild Life Bulletin* (\$1). Studies of interesting fisheries situations in New York State.

*Ichthyology*

*Science News-Letter, August 3, 1929*

THE NORTH AMERICAN SPECIES OF PASPALUM—Agnes Chase—*Smithsonian Inst.* (free). Mrs. Chase has performed a notable service to agronomists and to botanists generally by monographing this large and important grass genus. Her name as author is sufficient guarantee of thoroughness and reliability. The many clear-cut text illustrations will be a great help to non-specialists, the more so since a large proportion of them are from type specimens.

*Botany*

*Science News-Letter, August 3, 1929*

ABSTRACTS OF THESES: SCIENCE SERIES, VOL. VI, 1927-1928—*Univ. of Chicago* (\$3). The practice of the University of Chicago in gathering into an annual volume abstracts of theses submitted by candidates for the Ph. D. degree is much to be recommended.

*General Science*

*Science News-Letter, August 3, 1929*

LECTURES ON PLANT PATHOLOGY AND PHYSIOLOGY IN RELATION TO MAN—*Saunders* (\$2.50). A series of lectures given at the Mayo Foundation and the Universities of Minnesota, Iowa and Wisconsin, the Des Moines Academy of Medicine, and Iowa State College.

*Biology*

*Science News-Letter, August 3, 1929*

I. SUPPLEMENT TO THE FLORA OF BARRO COLORADO ISLAND, PANAMA—L. A. Kenoyer and P. C. Standley, and II. TWO NEW SPECIES OF CHARA FROM TROPICAL AMERICA—M. A. Howe—*Field Mus.* Of interest to students of the taxonomy of tropical plants.

*Botany*

*Science News-Letter, August 3, 1929*

A WORKBOOK FOR STUDENTS IN POULTRY HUSBANDRY—W. A. Broyles and A. D. Wilson—*Ginn* (80c). A notebook for use in the classroom and among the pens.

*Poultry Husbandry*

*Science News-Letter, August 3, 1929*

THE RED SQUIRREL: ITS LIFE HISTORY AND HABITS—R. T. Hatt—*N. Y. State Coll. of Forestry*. A bulletin of the Roosevelt Wild Life Forest Experiment Station, very useful in that it gets into one place a lot of data about an interesting animal hitherto scattered through the literature or not in print at all.

*Zoology*

*Science News-Letter, August 3, 1929*