

BOOK NOTICE

ANNUAL REVIEW OF GENETICS, 1980, Vol. 14, 485 p.

Contents: The Shifting Balance Theory and Macroevolution, SEWALL WRIGHT; Double Minutes and Homogeneously Staining Regions: Gene Amplification in Mammalian Cells, JOHN K. COWELL; Genetic Approaches to the Analysis of Microbial Development, DAVID BOTSTEIN AND RUSSELL MAURER; Developmental Genetics of Maize, JOHN D. SCANDALIOS; Attenuation in Amino Acid Biosynthetic Operons, CHARLES YANOFSKY AND ROBERTO KOLTER; Genetic Control of Nitrogen Assimilation in Bacteria, BORIS MAGASANIK; DNA Uptake in Haemophilus Transformation, SOL H. GOODCAL; Abnormal Sexual Differentiation in Humans, JOE LEIGH SIMPSON; Somatic Cell Genetics and Its Application to Medicine, THEODORE T. PUCK AND FA-TEN KAO; Interaction Between Host and Viral Genomes in Mouse Mammary Tumors, P. BENTVELZEN; Genetic Defects in Human Purine and Pyrimidine Metabolism, J. EDWIN SEEGMILLER AND GERRY R. BOSS; Low Level Radiation and Genetic Risk Estimation in Man, CARTER DENNISTON; T-DNA of the Agrobacterium TI and RI Plasmids, MICHAEL WEBSTER BEVAN AND MARY-DELL CHILTON; The Genetics of Development in Dictyostelium Discoideum, SUSAN S. GODFREY AND MAURICE SUSSMAN; Strand Transfer in Homologous Genetic Recombination, CHARLES M. RADDING; Molecular Genetics of Yeast Mating Type, KIM A. NASMYTH; ROBERT EDGAR; Indexes—Author; Subject; Cumulative.—JEL

HALFFTER, G., AND W. D. EDMONDS. To be published in 1983. The nesting behavior of dung beetles (Scarabaeinae), an ecological and evolutionary approach. ub. No. 10. Instituto de Ecologia, De luxe edition. 184 p. Price: USA and Canada, \$40 US (surface mail included); Mexico \$1800 Mexican pesos (surface mail included); all other countries, \$45 US (air mail included). 20% discount valid for any order received before 1 September 1983. Make checks payable to: Instituto de Ecologia. Address all orders and inquiries to: Patricia Reidl M.; Instituto de Ecologia; Ap. Postal 18-845; Deleg. Miguel Hidalgo; 11800 Mexico, D. F.

CONTENTS: Preface. Chapter 1.—The Scarabaeinae. Chapter 2.—The Ecological Evolution of Scarabaeinae. Chapter 3.—Patterns of Nesting Behavior in Scarabaeinae: An Overview. Chapter 4.—Evolution of Nesting Behavior and Sexual Cooperation. Chapter 5.—Nest Construction and Architecture in Burrowing Scarabaeinae. Chapter 6.—Other Sexual Relationships in Scarabaeinae. Chapter 7.—The Ovary and Nesting Behavior. Appendix I.—Outline/Classification of the Subfamily Scarabaeinae. Postscript. Appendix II.—Nidification Behavior of Old World Oniticellini (Coleoptera: Scarabaeidae). Yves Cambefort. Appendix III.—Nesting Strategies of Three Species of Coprophagous Scarabaeinae in the Sahel Region of Niger. Daniel Rougon and Christiane Rougon. Appendix IV.—Commentaries on Recent Literature. Bibliography. Index I.—Subject Index. Index II.—Taxonomic Index.—CAS