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BOOK REVIEWS

ROSEN, O. M., KREBS, E. G. (ed.): *PROTEIN PHOSPHORYLATION*. Cold Spring Harbor Conferences on Cell Proliferation. Cold Spring Harbor Laboratory, 1981, Vol. 8. Book A. 711 pp.; Book B, 710 pp. Cloth \$ 140.00 U.S.A., 168.00 elsewhere.

The Cold Spring Harbor Conferences on Cell Proliferation is an on-going series of volumes resulting from the meetings held each year at the Cold Spring Harbor Laboratory. The previous volumes included *e.g.* the following titles: Control of Proliferation in Animal Cells (1), Proteases and Biological Control (2), Cell Motility (3) Hormones and Cell Cultures (6). The 8th volume collects in two books the papers presented at a conference held in 1980.

During the 1970s the role of protein phosphorylation-desphosphorylation as a general biochemical regulatory mechanism became apparent. About 30 phospho-dephospho enzymes have been identified, which are involved in a number of metabolic pathways *e.g.* glycolysis, glycogen synthesis, cholesterol and triglyceride metabolism. Ribosomal, nuclear, contractile, membrane proteins *etc.* also undergo phosphorylation and desphosphorylation. The correlations of histone phosphorylation with condensed chromatin structures in the cell have led to the conclusion that phosphorylation plays a functional role in mitosis.

Book A consists of 48 papers in 4 sections reporting detailed studies on the cyclic AMP-dependent protein kinases, cyclic-nucleotide-dependent and independent protein kinases and protein phosphorylation, glycogen synthase and phosphoprotein phosphatases and on regulation of lipid and carbohydrate metabolism. Book B also consists of 48 papers in 5 sections presenting studies on insulin and growth-factor-promoted protein phosphorylation, contractile proteins, protein synthesis, nuclear and cytoskeletal protein phosphorylation and on viruses and cell transformation.

As stated by the editors in the Summary, it is hoped that the publication of this volume will serve both as a reference and as a prospectus for the immediate future.

T. GICHNER (*Praha*)

GLASAU, F.: *SO HAT MAN MEHR FREUDE AN ROSEN*. — Paul Parey Verlag, Berlin 1981. 112 pp., 30 figs.; paperback DM 12.80.

This book belongs among popularizing and at the same time specialized volumes devoted to a narrow field, in this case the topic is growing of roses.

The first chapters discuss the main species of roses and their growing, protection against plant pests, and forms of their selling. Although the book is not very comprehensive, no important aspects of the growing of roses in decorative gardens, parks, cemeteries *etc.* have been omitted. From a wealth of information and experiences only the most relevant have been selected, the emphasis being laid on the most up-to-date theories and working techniques. The gardeners-laymen have thus obtained a self-contained modern handbook which is sure to achieve the proposed aim. It introduces a beginner into the art of growing roses, it acquaints him with the main rose types, their peculiarities, and helps him to reach success and pleasure in gardening.

J. ŠKOPEK (*Praha*)