Reviews
Control of glycogen synthase by hierarchical protein phosphorylation. P. J. Roach
Molecular pathology of glucose-6-phosphatase. A. Burchell
Metabolism of carotenoid pigments in birds. A. H. Brush
Cellular signaling by peptides of the endothelin gene family. M. S. Simonson and M. J. Dunn
Cyclic GMP and photoreceptor function. R. N. Lolley and R. H. Lee
Purple acid phosphatase and tartrate-resistant acid phosphatase: an enzyme with a double identity. J. B. Vincent and B. A. Avellin

Research Communications

Evolution of Candida tropicalis peroxisomal trifunctional hydratase-dehydrogenase-epimerase: evidence for similarity to dehydrogenases that are important in metabolizing sugars and synthesizing antibiotics and steroids. M. E. Baker
Cytochalasin B induces cellular DNA fragmentation. M. A. Kolber, K. O. Broschat, and B. Landa-Gonzalez

Methodology
Molecular mapping of pulmonary endothelial membrane glycoproteins of the intact rabbit lung. M. P. Merker, W. W. Carley, and C. N. Gillis

Cover: Proposed mechanisms of desensitization induced by short-term exposure to β-adrenergic agonists. See Hausdorff et al., page 2881.