

## No. 3, JANUARY 20, 1958

BERGLUND, FREDRIK, and FORSTER, Roy P. Renal tubular transport of inorganic divalent ions by the agglomerular marine teleost, <i>Lophius americanus</i> .....	429
PERLMANN, GERTRUDE E. Enzymic dephosphorylation of pepsin and pepsinogen.....	441
RUPERT, CLAUD S., GOODGAL, SOL H., and HERRIOTT, ROGER M. Photo-reactivation <i>in vitro</i> of ultraviolet inactivated <i>Haemophilus influenzae</i> transforming factor.....	451
BRYANT, S. H. Transmission in squid giant synapses. The importance of oxygen supply and the effects of drugs.....	473
CASTAÑEDA-AGULLÓ, M., and DEL CASTILLO, LUZ M. Simultaneous hydrolyses of esters and proteins at saturation levels.....	485
HUBBARD, RUTH, and ST. GEORGE, ROBERT C. C. The rhodopsin system of the squid.....	501
DALTON, JOHN C. Effects of external ions on membrane potentials of a lobster giant axon.....	529
FREYGANG, W. H., JR. An analysis of extracellular potentials from single neurons in the lateral geniculate nucleus of the cat.....	543

## CONTENTS

v

	PAGE
HEMPILING, H. G. Potassium and sodium movements in the Ehrlich mouse ascites tumor cell.....	565
ROTHSTEIN, A., HAYES, A., JENNINGS, D. H., and HOOPER, D. C. The active transport of Mg <sup>++</sup> and Mn <sup>++</sup> into the yeast cell.....	585
MONTY, KENNETH J., and DOUNCE, ALEXANDER L. The properties and the enzymatic degradation of deoxyribonucleoprotein from liver cell nuclei.....	595
PONDER, ERIC, and PONDER, RUTH V. A progressive reaction occurring with a radioactive hemolysin, sodium oleate-I <sup>131</sup> .....	609