

## CONTENTS

No. 2, NOVEMBER 20, 1945

CHENEY, RALPH HOLT. The effects of caffeine on oxygen consumption and cell division in the fertilized egg of the sea urchin, <i>Arbacia punctulata</i> .....	63
OSTERHOUT, W. J. V. Water relations in the cell. I. The chloroplasts of <i>Nitella</i> and of <i>Spirogyra</i> .....	73
GIESE, ARTHUR C., AND CROSSMAN, ELIZABETH B. The action spectrum of sensitization to heat with ultraviolet light.....	79
PONDER, ERIC. The paracrystalline state of the rat red cell.....	89
MOMMAERTS, W. F. H. M. On the nature of forces operating in blood clotting. I. The participation of electrostatic attraction.....	103
MOMMAERTS, W. F. H. M. On the nature of forces operating in blood clotting. II. The clotting of fibrinogen as a two-step reaction.....	113