

No. 3, JANUARY 20, 1956

MANDELS, G. R., LEVINSON, H. S., and HYATT, M. T. Analysis of respiration during germination and enlargement of spores of <i>Bacillus megatherium</i> and of the fungus <i>Myrothecium verrucaria</i>	301
ARNOLD, WILLIAM, and THOMPSON, JANE. Delayed light production by blue-green algae, red algae, and purple bacteria	311
PONDER, ERIC, and BARRETO, DELIA. The birefringence of the human red cell ghosts	319
TS'0, PAUL O. P., BONNER, JAMES, EGGMAN, LUTHER, and VINOGRAD, JEROME. Observations on an ATP-sensitive protein system from the plasmodia of a myxomycete	325
FORSTER, ROY P., and BERGLUND, FREDRIK. Osmotic diuresis and its effect on total electrolyte distribution in plasma and urine of the aglomerular teleost, <i>Lophius americanus</i>	349
CASTAÑEDA-AGULLÓ, M. Northrop's phenomenon. The digestion of proteins by enzymes in the presence of gelatin	361
CASTAÑEDA-AGULLÓ, M. Studies on the biosynthesis of extracellular proteases by bacteria. I. <i>Serratia marcescens</i> . Synthetic and gelatin media	369
TASAKI, I. Initiation and abolition of the action potential of a single node of Ranvier	377
RALL, WILFRID, and HUNT, CARLTON C. Analysis of reflex variability in terms of partially correlated excitability fluctuation in a population of motoneurons	397
CRESCITELLI, FREDERICK. The nature of the lamprey visual pigment	423
WELSH, RICHARD S. Studies on the aggregation reactions and basic dye binding of tobacco mosaic virus. I. Variation of pH, particle asymmetry, acid and base titration results, irreversible binding of methylene blue, ultraviolet absorption, and extent of heat denaturation in tobacco mosaic virus solutions with time of standing	437