

No. 5, MAY 20, 1957

NORTHROP, JOHN H. The effect of ultraviolet and white light on growth rate, lysis, and phage production of <i>Bacillus megatherium</i> .....	653
KISHIMOTO, UICHIRO. Studies on the electrical properties of a single plant cell. Internodal cell of <i>Nitella flexilis</i> .....	663
KUFFLER, S. W., FITZHUGH, RICHARD, and BARLOW, H. B. Maintained activity in the cat's retina in light and darkness.....	683
WALD, GEORGE, BROWN, PAUL K., and KENNEDY, DONALD. The visual system of the alligator.....	703
NORTH, WHEELER J. Sensitivity to light in the sea anemone <i>Metridium senile</i> (L.). II. Studies of reaction time variability and the effects of changes in light intensity and temperature.....	715
FUORTES, M. G. F., FRANK, K., and BECKER, MARY C. Steps in the production of motoneuron spikes.....	735
SIMON, SHIRLEY E., SHAW, F. H., BENNETT, SUSANNE, and MULLER, MARGARET. The relationship between sodium, potassium, and chloride in amphibian muscle.....	753
ZEBE, E. C., and McSHAN, W. H. Lactic and $\alpha$ -glycerophosphate dehydrogenases in insects.....	779
RALSTON, D. J., LIEBERMAN, MIRIAM, BAER, B., and KRUEGER, A. P. Staphylococcal virolysin, a phage-induced lysin. Its differentiation from the autolysin of normal cells.....	791
HERRIOTT, ROGER M., and BARLOW, JAMES L. The protein coats or "ghosts" of coliphage T2. I. Preparation, assay, and some chemical properties.....	809