ABNORMALITIES IN THE UTERINE YOUNG OF THE FRESH-WATER SNAIL *CAMPELOMA RUFUM*

BY

NORMAN T. MATTOX

University of Illinois, Urbana, Illinois

ABSTRACT

An observational study of the uterine young of the fresh-water snail *Campeloma rufum* has been made, using materials collected in the Salt Fork branch of the Vermilion River between September, 1933, and May, 1934. Various abnormalities were found in considerable numbers and variations among the normal uterine young. Sinistral forms were noted. Of the total number studied 2.7 per cent were in a twinned or polyvitelline condition. Polyvitelly in the veliger stage was found. One instance of three individuals enclosed within the same membrane was noted. Double monsters with various degrees of fusion of the soft parts with a conjoining of the oral surfaces, bicephalic individuals and a fusion of the foot tissues were the different types found, representing 0.67 per cent of the total number of embryonic young examined. Abnormal shells, such as elongate and asymmetrically coiled shells, flattened, discoidal forms and shells compressed without coiling constitute 2.3 per cent of those studied.