

## **ABSTRACT**

The cane rat, *Thryonomys swinderianus* is a relatively large rodent weighing between 2.5 and 3.5 kg. It lives in marshy areas along river banks. The histology of the ovaries was studied during pregnancy and non-pregnancy. The ovaries are characterized by numerous preovulatory follicles and considerable amounts of well-vascularized interstitial gland tissue. During pregnancy the ovaries have many corpora lutea and there is extensive luteinization of atretic follicles and interstitial gland tissue. The number of corpora lutea in the two ovaries always exceeded the number of conceptuses carried to term.