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THE CATTLE-TICK (*HAEMAPHYSALIS* *BISPINOSA*).

INVESTIGATION OF ITS LIFE-HISTORY.

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IN February last the writer was sent to the North Auckland tick-infested area for the purpose of studying in as detailed a manner as possible the life-history of the cattle-tick (*Haemaphysalis bispinosa* Neumann), which is attracting increasing notice as a pest of cattle, and to a less extent of other stock. The present article is a preliminary note on the progress of the investigation, with a view to placing before those concerned a few of the more salient and hitherto unknown facts which will be of assistance in the control of the pest. It will be perfectly obvious that a complete and definite account of the life-cycle of the tick cannot be obtained until there have been accumulated observations made through every month in the year. Almost all the life-history observations in this case have been made in the field, under conditions as natural as was consistent with the isolation frequently essential for accurate observation. It is now actually demonstrated for the first time that the New Zealand cattle-tick is a "three-host" species, in which it resembles such other members of the genus *Haemaphysalis* as have so far been studied.