Some Notes on cutaneous Myiasis in Animals in the Madras Presidency.

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Abstract: In investigations in Madras from December 1934 to November 1935, 401 maggots obtained from fly-blown sores on various domestic animals were identified as *Chrysomyia bezziana* Villen., and 3 from bullocks as *Lucilia cuprina* Wied. (*argyricephala* Macq.). Breeding experiments with *C. bezziana*, *C. megacephala* F., and *L. cuprina* showed that the first is restricted to wounds, while the other two can breed easily in dead meat. *Bezziana* was recorded from the cloaca of four fowls in different localities, a
two sheep. Infestation appeared to be greatest on the west coast, where rainfall and humidity are high. For all months except May and June (the hottest of the year) the pupal stage averaged 7 or 8 days; in May and June no adults emerged, whereas in September and January 95 per cent. did so. The optimum period appeared to be from December to March, while fewer adults emerged during the hot season.

Oestrids that infest domestic animals in Madras are *Oestrus ovis* L., in sheep; *Gasterophilus intestinalis* DeG. (*equi* CI.), in horses, and *Cobboldia elephantis*, Steel, in elephants. No examples of *Hypoderma bovis*, DeG., or *H. lineatum*, Vill., have been recorded in the Presidency.

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