

MOSQUITO SAMPLING IN SEVERAL LOCATIONS IN
JAFFNA PENINSULA

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A recent survey of the mosquito fauna in Jaffna peninsula recorded species belonging to the following genera - Anopheles, Culex and Aedes and Armigeres (Rajendram unpublished data). The present paper records the adult mosquitoes sampled in two other locations - Vembadi and Chunnakam and the immatures sampled in three ponds - Aariyakulam, Paravaikulam and Periyakovilkulam. It also records observations on the biology of Armigeres (Armigeres) durhami Edwards. Adult mosquitoes were sampled by the human bait method and the ponds sampled with a dipper for larvae.

Ar. durhami and Armigeres (Armigeres) subalbatus Coquillet were recorded in approximately equal numbers at Vembadi and Chunnakam. Aedes (Stegomyia) albonictus Skuse and Aedes (Stegomyia) novalbopictus Barraud were collected from Vembadi; Ae. novalbopictus and Aedes (Stegomyia) aegypti Linnaeus from Chunnakam.

Larvae of Ae. aegypti were collected from all three ponds, occasionally. Anopheles larvae were collected from Paravaikulam and Culex larvae from Aariyakulam, also occasionally.

The average duration of Ar. durhami eggs was 3.12 ± 0.83 days, larva 6.84 ± 1.18 days and pupa 4.04 ± 1.65 days. The average period of total development was 14.00 ± 3.66 days.

Specimens from this survey are deposited in the British Museum (Natural History), London, and the Department of Zoology, University of Jaffna.

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Reference

1. Rajendran, G.F. and Nagalingam, R. (1985) Proc. Sri Lanka Ass. Admmt. Sci. 41 70 - 71