

A Survey of the Mosquito Larvae of Marshall County, Oklahoma

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Between June 11 and August 6, 1960, I collected the larvae of 11 species of mosquitoes in Marshall County, Oklahoma. My collections, mostly from the immediate vicinity of the University of Oklahoma Biological Station, were made using traditional dipper techniques. Habitats from which collections were made included tree-holes, creeks, ponds, puddles, water tanks, road-side ditches, artificial containers, spring-fed holes, and an abandoned swimming pool. I visited 22 stations, many more than once, and collected 348 specimens. The most abundant species were *Anopheles quadrimaculatus* and *Psorophora confinis*. Only one species, *Aedes triseriatus*, was collected from tree-holes. Identifications were made with the aid of keys by Carpenter and LaCasse (1955). I used both freshly killed specimens and larvae mounted on slides.

The 11 species collected were: *Anopheles punctipennis*, *A. quadrimaculatus*, *Psorophora cillata*, *P. confinis*, (= *P. columbiae*), *P. discolor*, *Culex tarsalis*, *C. erraticus*, *C. territans*, *C. thriambus*, *Aedes Atropalpus*, and *A. triseriatus*. Hinman (1951), using light traps set near the shore of Lake Texoma around the Biological Station during approximately the same period of 1950, collected adults of the first six species listed above, plus *Anopheles crucians*, *Psorophora signipennis*, *Aedes nigromaculis*, *A. vexans*, and *Culex salinarius*, 11 species in all. The differences in the two collections are probably due to the different collecting techniques rather than to changes in the composition of the fauna. The species not recorded by Hinman, with the exception of *Culex erraticus*, are rarely taken in light traps.

The total number of mosquito species recorded from Marshall County is 16.

LITERATURE CITED

- Hinman, E. J. 1951. A preliminary study of mosquitoes at Lake Texoma, Oklahoma. Proc. Oklahoma Acad. Sci. 31(1950): 51-52.
- Carpenter, Stanley J., and Walter J. LaCasse. 1955. Mosquitoes of North America. University of California Press, Berkeley and Los Angeles.

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