difference invite investigation, as do the influence of parent blood source on larval survival, developmental rate, and larval weight at hatching. Egg production in C. p. pippins may vary with different avian hosts, as reported by Bennett (1970) for Aedes aegypti.

References


A DISTRIBUTIONAL NOTE FOR CULISETA SILVESTRIS MINNESOTAE BARR

MARTIN B. CHRISTIANSEN, ROBERT R. PINGER, JR.
AND WAYNE A. ROWLEY

Department of Zoology and Entomology, Iowa State University

Seven female mosquitoes collected July 14, August 3 and August 4, 1972, in dry-ice-baited, miniature CDC light traps located at Dewey's Pasture (197N, R35W, Sec. 25), Clay County, Iowa, were identified as Culiseta silvestris minnesotae Barr. This represents a new state record and brings the total mosquito species recorded for Iowa to 45. There are no male or larval records for this species in Iowa at this time.

Dewey's Pasture is located 5.4 miles northwest of Ruthven and approximately 25 miles south of the Minnesota border in northwestern Iowa. There are many permanent and semipermanent marshes in this area that may serve as the breeding habitat, as indicated by Price (1961).

This species, originally described by Barr (1957) as Culiseta minnesotae, has been assigned as a subspecies of Culiseta (Culicetella) silvestris (Shingarev) by Stone (1967).

Similarities between C. mortitans dyari (Coquillett) and C. t. minnesotae prompted re-examination of the voucher specimen of C. m. dyari (Iowa Insect Collection) collected in Story County in 1969 (Pinger and Rowley, 1972). It was verified as C. m. dyari. Three females collected in the northern Iowa counties of Cerro Gordo, Kosuth and Winneshiek in September 1971 also were identified as C. m. dyari.

States bordering Iowa that have reported C. s. minnesotae are Minnesota, Wisconsin and Illinois. A further indication of this species' northern distribution in the United States is its reported presence from Connecticut, Delaware, Idaho, Massachusetts, Michigan, Montana, New Jersey, Utah and Washington (Carpenter, 1968 and 1970).

Voucher specimens have been placed in the Iowa Insect Collection located at Iowa State University.

Literature Cited

1 Journal Paper No. I-7370 of the Iowa Agriculture and Home Economics Experiment Station, Ames, Iowa. Project No. 1788.