

NEW STATE MOSQUITO RECORDS FOR VERMONT INCLUDING A CHECKLIST OF THE MOSQUITO FAUNA

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ABSTRACT. Collections of mosquitoes in Vermont during 1980 and 1989 have resulted in 9 new state records, including species of *Psorophora* and *Wyeomyia* for the first time. A checklist of all species occurring in the state is also given.

The mosquito fauna of Vermont is relatively poorly known, compared with surrounding states. For instance, the number of species known in New York is 56, New Hampshire 44, Quebec 52 and Massachusetts 45, while Vermont's total is 27 (Darsie and Ward 1981). However, recent efforts reported herein have substantially increased taxa known in that state. Previous records of mosquito species occurring in Vermont were listed by Darsie and Ward (1981).

As the result of collections made in 1980 and 1989 we are adding 2 new genera, *Psorophora* and *Wyeomyia*, and 9 new species to the mosquito fauna of Vermont. This account gives collection information for these new records and presents a checklist of the species now known to occur in Vermont. Voucher specimens have been deposited in the National Museum of Natural History, Smithsonian Institution, Washington, DC. The symbols used below are ♀ for adult female and ♂ for adult male.

NEW STATE RECORDS

Aedes (Ochlerotatus) communis (DeGeer)

It was collected in Bennington County, Batten Kill, 3 km N of Arlington, June 20, 1980, 8 ♀, elevation 220 m, taken by sweep net.

Aedes (Ochlerotatus) intrudens Dyar

It was collected in Addison County, 1.0 km N of Leicester Junction, July 28, 1989, 1 ♀, by sweep net.

Aedes (Ochlerotatus) trivittatus (Coquillett)

It was captured in Rutland County, Brandon, Dean's Bridge, Sept. 12, 1989, 8 ♀, by sweep net.

Aedes (Protomacleaya) hendersoni Cockerell

It was collected in Addison County, Leicester Junction, 1.9 km S near railroad tracks, July 21, 1989, 3 ♀, reared from larvae found in old tires.

Culiseta (Culicella) minnesotae Barr

It was collected in Rutland County, Brandon, Route 73, Sept. 5, 1989, 1 ♀, in New Jersey light trap; Brandon, Route 7, June 12, 1989, 1 ♀, in box trap; Addison County, Salisbury, Sept. 4, 1989, 1 ♀, by sweep net.

Culiseta (Climacura) melanura (Coquillett)

It was captured in Addison County, Cornwall, Creek Road bridge, Sept. 18, 1989, 2 ♀, in CDC light trap with CO₂ hung in a wooded area.

Psorophora (Janthinosoma) ferox (von Humboldt)

It was caught in Rutland County, Brandon, Dean's Bridge, Sept. 12, 1989, 1 ♀, by sweep net. *Psorophora (Psorophora) ciliata* (Fabricius)

It was captured in Rutland County, Brandon, near Sanderson's Bridge, Sept. 15, 1989, 1 ♀, in hayfield by sweep net; Addison County, Leicester Junction, Aug. 4, 1989, 1 ♀, 1 ♂, by sweep net.

Wyeomyia (Wyeomyia) smithii (Coquillett)

It was collected in Rutland County, 4.8 km NNE of Brandon, in Doris Atwood's bog, Sept. 16, 1989, 3 ♀, reared from larvae collected in water-holding leaves of the pitcher plant, *Sarracenia purpurea* Linn.

CHECKLIST OF THE MOSQUITOES OF VERMONT

Anopheles (Anopheles) earlei Vargas

Anopheles (Anopheles) punctipennis (Say)

Anopheles (Anopheles) quadrimaculatus Say

Anopheles (Anopheles) walkeri Theobald

Aedes (Aedes) cinereus Meigen

Aedes (Aedimorphus) vexans (Meigen)

Aedes (Ochlerotatus) abserratus (Felt and Young)

Aedes (Ochlerotatus) atropalpus (Coquillett)

Aedes (Ochlerotatus) aurifer (Coquillett)

Aedes (Ochlerotatus) canadensis (Theobald)

**Aedes (Ochlerotatus) communis* (DeGeer)

Aedes (Ochlerotatus) diantaeus Howard, Dyar and Knab

Aedes (Ochlerotatus) excrucians (Walker)

Aedes (Ochlerotatus) fitchii (Felt and Young)

Aedes (Ochlerotatus) grossbecki Dyar and Knab

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* New state records.

**Aedes (Ochlerotatus) intrudens* Dyar
Aedes (Ochlerotatus) provocans (Walker)
Aedes (Ochlerotatus) punctor (Kirby)
Aedes (Ochlerotatus) sticticus (Meigen)
Aedes (Ochlerotatus) stimulans (Walker)
 **Aedes (Ochlerotatus) trivittatus* (Coquillett)
 **Aedes (Protomacleaya) hendersoni* Cockerell
Aedes (Protomacleaya) triseriatus (Say)
 **Psorophora (Janthinosoma) ferox* (von Humboldt)
 **Psorophora (Psorophora) ciliata* (Fabricius)
Culex (Culex) pipiens Linnaeus
Culex (Culex) restuans Theobald
Culex (Culex) salinarius Coquillett
Culex (Neoculex) territans Walker

**Culiseta (Climacura) melanura* (Coquillett)
 **Culiseta (Culicella) minnesotae* Barr
Culiseta (Culicella) morsitans (Theobald)
Culiseta (Culiseta) impatiens (Walker)
Coquillettidia (Coquillettidia) perturbans (Walker)
Uranotaenia (Uranotaenia) sapphirina (Osten Sacken)
 **Wyeomyia (Wyeomyia) smithii* Coquillett

REFERENCE CITED

Darsie, R. F., Jr. and R. A. Ward. 1981. Identification and geographical distribution of the mosquitoes of North America, north of Mexico. Mosq. Syst. Suppl. 1, 313 pp.