

PSOROPHORA HOWARDII, AN
ADDITION TO THE CHECKLIST
OF NEW JERSEY MOSQUITOES¹

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Psorophora howardii Coquillett is a mosquito of the southeastern U.S. that has been reported as far north as Delaware in the eastern portion of its range (Darsie and Ward 1981). Larvae of *Ps. howardii* are most often found in temporary rainpools and are predacious on the immature stages of other mosquitoes utilizing the habitat (Carpenter and LaCasse 1955). Development is rapid and several generations are possible when rainfall is abundant during the breeding season (Siverly 1972).

On June 4, 1982, approximately twenty 3rd instar *Ps. howardii* were collected from a shaded rainpool in the Fishing Creek area of southern Cape May County, New Jersey by Cape May County Mosquito Commission personnel. The exact site is several miles east of the town of Villas and is south of the Delaware record of *Ps. howardii* reported by Lake (1963). Several

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specimens were reared to the adult stage for confirmation of species. An adult specimen has been deposited in the collection of the Headlee Research Laboratories at Rutgers University.

The most recent checklist of New Jersey mosquitoes included 52 species (Crans 1967). Since that time, additions have been made by Crans (1970), Zavortink (1972), Lesser et al. (1977) and Ehrenberg (1983). The addition of *Ps. howardii* brings the New Jersey list to 59, including the following species:

Genus *Aedes* Meigen

1. *Aedes abserratus* (Felt and Young)
2. *Aedes atlanticus* Dyar and Knab
3. *Aedes atropalpus* (Coquillett)
4. *Aedes aurifer* (Coquillett)
5. *Aedes canadensis canadensis* (Theobald)
6. *Aedes cantator* (Coquillett)
7. *Aedes cinereus* Meigen
8. *Aedes communis* (De Geer)
9. *Aedes dorsalis* (Meigen)
10. *Aedes dupreei* (Coquillett)
11. *Aedes excrucians* (Walker)
12. *Aedes fitchii* (Felt and Young)
13. *Aedes flavescens* (Müller)
14. *Aedes grossbecki* Dyar and Knab
15. *Aedes hendersoni* Cockerell
16. *Aedes implicatus* Vockeroth
17. *Aedes intrudens* Dyar
18. *Aedes mitchellae* (Dyar)
19. *Aedes provocans* (Walker)
20. *Aedes punctator* (Kirby)
21. *Aedes sollicitans* (Walker)
22. *Aedes spencerii spencerii* (Theobald)
23. *Aedes sticticus* (Meigen)
24. *Aedes stimulans* (Walker)
25. *Aedes taeniorhynchus* (Wiedemann)
26. *Aedes triseriatus* (Say)
27. *Aedes trivittatus* (Coquillett)
28. *Aedes vexans* (Meigen)

Genus *Anopheles* Meigen

29. *Anopheles atropos* Dyar and Knab
30. *Anopheles barberi* Coquillett
31. *Anopheles bradleyi* King
32. *Anopheles crucians* Wiedemann
33. *Anopheles earlei* Vargas
34. *Anopheles punctipennis* (Say)
35. *Anopheles quadrimaculatus* Say
36. *Anopheles walkeri* Theobald

Genus *Culex* Linnaeus

37. *Culex erraticus* (Dyar and Knab)
38. *Culex pipiens* Linnaeus
39. *Culex restuans* Theobald
40. *Culex salinarius* Coquillett
41. *Culex tarsalis* Coquillett
42. *Culex territans* Walker

Genus *Culiseta* Felt

43. *Culiseta inornata* (Williston)
44. *Culiseta melanura* (Coquillett)
45. *Culiseta minnesotae* Barr
46. *Culiseta morsitans* (Theobald)

Genus *Coquillettidia* Dyar

47. *Coquillettidia perturbans* (Walker)

Genus *Orthopodomyia* Theobald

48. *Orthopodomyia alba* Baker
49. *Orthopodomyia signifera* (Coquillett)

Genus *Psorophora*

Robineau-Desvoidy

50. *Psorophora ciliata* (Fabricius)
51. *Psorophora columbiae* (Dyar and Knab)
52. *Psorophora cyanescens* (Coquillett)
53. *Psorophora discolor* (Coquillett)
54. *Psorophora ferox* (von Humboldt)
55. *Psorophora howardii* Coquillett
56. *Psorophora mathesoni* Belkin and Heinemann

Genus *Toxorhynchites* Theobald

57. *Toxorhynchites rutilus septentrionalis* (Dyar and Knab)

Genus *Uranotaenia*

Lynch-Arribalzaga

58. *Uranotaenia sapphirina* (Osten Sacken)

Genus *Wyeomyia* Theobald

59. *Wyeomyia smithii* (Coquillett)

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