

*Material examined.* **KAUAI:** Hanapēpē, 13 Oct 1998 (B.A. Freitas, DWJ, N.R. Murray), 5 spms.

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### New island record of *Carposina nigronotata* Walsingham on Maui (Lepidoptera: Carposinidae)

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The following represents a new island record of *Carposina nigronotata* for Maui. Voucher specimens are housed in the Bishop Museum (BPBM), Honolulu.

#### Lepidoptera: Carposinidae

##### *Carposina nigronotata* Walsingham

##### New island record

*Carposina nigronotata* is previously known from Hawai'i Island (Nishida, 1997: 151) with specimens collected from Ola'a and Mt. Kilauea (Zimmerman, 1978: 871). The following collection represents a new island record of this species from Maui. Moths were reared from *Myrsine lessertiana* A. DC fruit collected on 5 December 1997 from Auwahi, Maui. Moths began emerging on 25 December 1997 and continued to emerge until 9 February 1998. Approximately 157 moths emerged during that time. Moth emergence was observed to predate the seeds of the fruits. Parasitic wasps, identified as *Pristomerus hawaiiensis* Perkins, began to emerge from moth pupal cases on 1 January 1998 and continued to emerge until 9 February 1998. Approximately 36 wasps emerged during that time. Out of approximately 1,554 seeds collected, approximately 630 seeds had visible exit holes. Specimens of moths and parasitic wasps were submitted to Bishop Museum where David Preston made the determination.

*Material examined.* **MAUI:** Hāna District, Auwahi, 3800 ft [1160 m], collected ca. 100 m southwest of the southwestern corner of the Po'ouli enclosure, reared ex fruit of *Myrsine lessertiana*, 5 Dec 1997, Starr and Martz 971205-1 (BPBM)

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**Notable rediscoveries of *Megalagrion* species on Maui (Odonata: Coenagrionidae)**

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Among the species of endemic *Megalagrion* damselflies in Hawai'i, particular concern in recent years has centered on the fate of two taxa, *M. pacificum* (McLachlan) and *M. xanthomelas* (Selys-Longchamps), which formerly occupied lowland habitats throughout the state. Based on surveys conducted in the early 1990s, the former species was known to occur only as scattered populations on the windward flanks of Haleakalā and eastern Moloka'i, while a distributional review of the latter species by Polhemus (1996) noted that it had not been taken on the island of Maui in this century. It is therefore significant that additional colonies of both these species have been located on Maui during the past two years; these records are reported below.

Voucher specimens are housed in the Bishop Museum, Honolulu (BPBM).

***Megalagrion pacificum* (McLachlan)****Notable rediscovery**

Although colonies of this species are scattered along the Hāna Coast of eastern Maui, there have been no records of *M. pacificum* from the West Maui Mountains since 1902, when R.C.L. Perkins took a short series in 'Īao Valley (BPBM collection database). In early 1998, however, one of us (Oppenheimer) located a population in the middle reaches of Honokohau Valley, a narrow, deeply incised canyon that cuts nearly to the center of the West Maui volcano (Fig. 1). Subsequently, a second population was located along the midreach of Honolua Valley, further to the west. The presence of these colonies indicates that additional populations may exist in other remote West Maui catchments, such as Kahakuloa Stream or the upper reaches of the Waihe'e River.

*Material examined.* MAUI: 1, West Maui Mountains, Honokohau Stream, below dam and ditch house, 250 m [820 ft], 17 Mar 1998, H. Oppenheimer (BPBM); 1, West Maui Mountains, Honolua Valley, above dam, 275 m [900 ft], 10 Jul 1998, H. Oppenheimer & S. Meidell (BPBM).

***Megalagrion xanthomelas* (Selys)****Notable rediscovery**

The only previous records of *M. xanthomelas* on Maui were a few specimens taken by Perkins in the "West Maui Mountains" in 1894 and 1895, probably at or near 'Īao Valley. Surveys of suitable lowland habitats on Maui between 1991 and 1996 did not locate the species, leading Polhemus (1996) to speculate that it might have been extirpated on the island. This conjecture was disproven in 1997, when two of us (Starr & Martz)

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