Pygmy owls of the genus *Glaucidium* prey on large insects and small vertebrates, mostly birds (König et al. 1999, Marks et al. 1999). Among the birds preyed on by pygmy owls are hummingbirds, caught mostly while mobbing these owlets or when still at nestling stage. I report here on the Ferruginous Pygmy Owl (*Glaucidium brasilianum*) snatching flower-visiting hummingbirds in an orchard at a farm in southwestern Brazil. I recorded one White-tailed Goldenthroat (*Polytmus guainumbi*) and three Gilded Hummingbirds (*Hylocharis chrysura*) preyed on by this owlet on three consecutive days. The large concentration of flowers and, consequently, of hummingbirds in the orchard likely contributed to the hunting success of the owlet on such fleeting and quickly moving prey. The role this pygmy owl plays on predation of adult hummingbirds in the Neotropics merits closer consideration.

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at 17:36 h, I recorded the owlet seizing a hummingbird together with a portion of the plant the bird was visiting (Figure 1d).

Pygmy owls are renowned for their ability to pursue birds (Marks et al. 1999), although the maneuverable and swift flight of hummingbirds makes them able to occasionally evade even the quick strikes of arboreal pitvipers (Schuchmann 1999) and the attacks of a forest hawk apparently specialized in preying on these fast birds (Stiles 1978). The large concentration of flowers and, consequently, of hummingbirds in the farm conceivably contributed to the hunting success of the Ferruginous Pygmy Owl on such fleeting and quickly moving prey. Although four small birds in three days may be regarded as successful hunting, the owlet possibly caught additional prey throughout its activity period. Pygmy owls are renowned for their ability to prey on large birds, even if these latter are not consumed entirely (Sick 1997, Marks et al. 1999, König et al. 1999).

Pygmy owls habitually employ a hunting perch and the sit-and-wait tactic to secure their prey (Marks et al. 1999, König et al. 1999). Aside from the flower-visiting hummingbirds preyed on by the Ferruginous Pygmy Owl (this paper), the only other successful preying attempt I ever observed was near a hummingbird feeder in a hotel (22°25’55” S, 44°36’54” W, 1120 m a.s.l) near Maromba at the Itatiaia range, Rio de Janeiro, on 25 April 2008 at about 17:00 h. A Brazilian Ruby (Clytolaema rubricauda) male mobbed too closely an apparently oblivious owlet perched by the feeder and was snatched in mid-air by a sudden movement of the predator. Hummingbirds are readily attracted to a perched Ferruginous Pygmy Owl or to the playback of its vocalisation (Sick 1997, Motta-Junior 2007, Amaral & Ragusa-Netto 2008, Cunha & Vasconcelos 2009). Thus, it is possible that part of successful hunting on hummingbirds by pygmy owls results from mobbing episodes (see Sick 1997). As pointed out by some authors (Curio & Regelmann 1986, Sordahl 1990, Motta-Junior 2007), mobbing a predator implies real risk for the mobber (see the Brazilian Ruby above).

In North America, hummingbirds are preyed on by a variety of non-passerine and passerine birds (Miller & Gass 1985), but these authors conclude that predation is not an important mortality factor for adult hummingbirds. However, they caution that in the Neotropics predators may impose significant mortalities to hummingbirds.

**FIGURE 1.** The Ferruginous Pygmy-Owl (*Glaucidium brasilianum*) and its hummingbird prey at an orchard in southwestern Brazil. On a feeding perch, the owlet plucks the wing feathers of a White-tailed Goldenthroat (*Polymus guianensis*) female (a); on a hunting perch, the owlet scans the surroundings for potential prey (b); unaware of the watching owlet, two Gilded Hummingbirds (*Hylocharis chrysura*) fight on the ground (c); immediately after the winner resumed its flower visiting, the owlet dived and snatched it on the wing together with a portion of the visited plant (d). Photos: Ivan Sazima.
Lightning predator: the Ferruginous Pygmy Owl snatches flower-visiting hummingbirds in South-western Brazil

Ivan Sazima

I guess that pygmy owls are among the important predators of adult hummingbirds, and suggest that field ornithologists could increase our scanty knowledge on this subject by paying attention to some particular circumstances under which the owls may have opportunity to prey on these swift birds (e.g., at feeders, while mobbing, and visiting flowers). The role the widespread Ferruginous Pygmy Owl plays on predation of adult hummingbirds in the Neotropics merits closer consideration, and natural history-oriented studies are helpful in this respect.

ACKNOWLEDGEMENTS

I thank Cristina Sazima for help in the field and loving support; Fabrício BarretoTeresa, Guilherme Ortígara Longo, Heriberto Gimenês Junior, and Renato Morais Araujo for pleasant companionship in the field and for calling my attention to one of the predation events; José Sabino and Sergio Ricardo Floeter for making possible my trip to the study site; the CNPq for earlier financial support.

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Associate Editor: Marco Aurélio Pizo Ferreira