

The Madagascar star orchid (*Angraecum sesquipedale*) produces nectar at the bottom part of its slim, foot-long throat. After observing a specimen, Charles Darwin predicted the existence of a moth with a proboscis long enough to reach that nectar... decades later the giant hawk moth of Madagascar was discovered and named *Xanthopan morganii predicta* in honor of Darwin's prescience.

As the moth sucks up the nutrient-rich nectar from the orchid, packets of pollen stick to its body. When the moth visits other star orchids to feed again, the pollen rubs off and pollinates those orchids. The moth gets exclusive access to food and the orchids get a reliable pollinator.

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