# LISTEN TO THE SOUNDS AT NIGHT

A teacher and her student together discover one of nature's secrets -the death head hawk moth's squeak

# By Geetha Iyer

house. I waited and then, picking up courage (it was 10 pm), Three species once more lifted my hand to There are three species of search led us to something shapedmarkings on the thorax Acherontia styx



we were looking at a moth.

"That's a Death Head Hawk moth," announced the young naturalist.

"Do moths make a sound"? Night sounds are generally that of insects, predominantly crickets and frogs soon after the monsoon. Some cicadas chirp loudly during twilight, but moths? This was new to us. I'll never forget that night when a queak! The sound was little boy and I together, discovunusual and loud! It ered for ourselves, one of nastopped me from open-ture's secrets - that moths too ling the door to my contribute to the night sounds!

the door knob, only to be greet- Death Head Hawk moth; two ed by a louder squeak. The next are found in South-east Asia, squeak was so loud that it had the third in Europe, Acheron- Acherontia styx. both me and the student who tia styx and Acherontia lachesis had joined me, jump an inch are commonly seen all over Inor two. I switched on the light. dia. The stream-lined body, Excited, we began searching with pointed wings and bulging for the culprit, trying to locate eyes, are characteristic of hawk the source of the sound. The moths. The prominent skulldark - the size of a large cock- gives them the name 'Death In Greek mythology, Styx is the



several sinister and supernatural myths.

roach sitting on one of the head'. The reason for such a River of the Dead. Acherontia deserve such a reputation. The fatty acids in bees are found in air from the proboscis. There's wooden frames of the roof - design is yet to be discovered. comes from the word Acheron only living species that has to the moths too. So the odour- a small internal flap called the best produce only a clicking out for them between May and and squeaking! It took me and The skull-like markings on the which is also a river in Greece my wildlife-loving student a thorax, the cloak-like wings, -a branch of River Styx. Lach- bees. These hawk moths are these moths who are 'invisible' proboscis, whose rhythmic cape after feeding it can be (This series is coordinated by

squeak, have all contributed to could cut the thread of life. scientists shows that they can These moths have featured in mimic the odours of the bees several crime-related stories to avoid detection. A compariand films, a prominent one be- son of surface hydrocarbons

minute or two to realise that covering a body with banded esis is one of the three Moira beehive raiders, and love to them. A strong and hardy movements help open and mauled by the bees. There are Kalpavriksh.)

patterns and the mouse-like from Greek mythology who gorge on honey. Research by proboscis helps to suck honey close the mouth to draw and directly from the comb. Honey effect

It is said that the squeaky noise ing the 'Silence of the Lambs'. from the bodies of both moths is used to pacify the bees. The However these moths do not and bees reveals that the four sound is produced by expelling able to squeak for at least five underground. The entire life fear them would be the honey- dependent bees are fooled by epipharynx at the base of the sound. If the moth fails to es- September.

Acherontia lachesis, Photos: Author.

expel air. But the proboscis is also required to extract honey from the combs. Scientists have found that soon after drinking the honey, the moths are unhours. A well-fed moth may at cycle takes about 52 days. Look

instances of beekeepers having found dead moths in their

## Thinner antennae

The moth generally rests with its wings folded, covering the abdomen completely. When disturbed it raises its body from the surface, partially opening and raising the wings and emitting a squealing note. (Acherontia lachesis can be distinguished from Acherontia styx by the red scales which look like a band under the skull mark.) Generally, their bodies are not as streamlined as the other hawk moths. The females especially are stouter, with broader and rounded wings, and thinner antennae.

The eggs of the moth are green or grayish blue in colour, laid singly under old leaves of plants of Solanaceae, Verbenaceae, Oleaceae and Bignoniaceae. The larvae moult at least five times, are stout, about 120-130 millimeter, after the final moult. The caterpillar has a prominent tail horn, is green, brown, and yellow. When threatened it makes a crackling noise by clicking its mandibles and, sometimes, may even bite. It pupates in a small chamber

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