

Lime swallowtail caterpillar starting to make its chrysalis.

The lime swallowtail

Nature's rainbow palette

There is music in nature if we care to listen... the drumming of a woodpecker, the gurgling of a stream, the call of a magpie robin, the buzzing of a bee. There are also patterns and colours if we care to observe... the tail feathers of pheasants, the bark of trees, the palette of a rainbow. Then there are myriad kinds of behaviour if we look closely... the beautiful nests that baya weaver birds weave, the way cubs play with their mother's tail and ears.

Kalpavriksh, an environmental action group, brings you a slice of all this in a series titled 'Magic garden.' The series is being contributed by various people across India, all of whom work in the field of conservation. They are lucky to have had special moments in nature... an encounter with a particular species, something extraordinary about a place that they have visited, the sudden surprises that nature has sprung on them. This is what they will describe in this series.

An occasional movement of the chrysalis – a jerky movement-lets me know that the caterpillar is alive and kicking inside

By Sanjay Sondhi

rom as far back as I can remember, the natural world has fascinated me. As a young child, I was fortunate to live in a house with a large garden. I loved to watch nature's antics in my backyard - squirrels scamper up trees. caterpillars munch on leaves, lizards curl up on branches of bushes and seeds of the sal tree twirl, as they fall from the branches above. While the simple sights of nature were always enjoyable, the creature that was special and provided me with the greatest pleasure was the butterfly. A few decades of nature watching have passed, but my special love for butterflies has not abated!

and I am fortunate to have a small garden here, too. Many change colour as they grow. mally have tails (though some cycle on the lime plant. An exfood for butterfly caterpillars. Are you familiar with the life cycle of the butterfly?

Life cycle

The butterfly life cycle begins does not grow; hence as the tinue nature's amazing story. caterpillars grow, they need to shed their skin (called Lime plant moulting) as they grow. They In our garden, the plant that well to emulate!).



Now, I live in Dehradun, Lime swallowtail butterfly.

of the plants in our garden are In a few weeks, the caterpillar do not). is ready to pupate (make a terflies mating. The female chrysalis, invisible to the hu-plant. butterfly then lays its eggs on man eye. The only sign that small caterpillars emerge. is an occasional movement of These caterpillars are hungry; the chrysalis - a jerky movesome more, growing quickly! few weeks, the adult butterfly The skin of the caterpillars emerges and flits away to con-

are so hungry, that they eat attracts a lot of attention is the their own skin, too! Waste not lime plant. This plant is the is their principle (something food plant for the caterpillars that we humans, would do of many butterflies called swallowtails. Many of these Sometimes, the caterpillars large pretty butterflies nor-

stem, and weaves a chrysalis a swallowtail lay its eggs on chrysalis! (or cocoon) around itself. For the plant. A few months ago, the next few weeks, remark- I saw a lime swallowtail but- was not fortunate enough to with the male and female but- able changes occur inside the terfly lay its eggs on the lime see the adult butterfly

progress of the butterfly's life lime plant?"

citing moment for me was I keep my eyes peeled for when I saw the large green chrysalis or cocoon). The butterflies hovering about the caterpillar attach itself to a caterpillar attaches itself to a plant; if I am lucky, I get to see stem and begin to spin its

A few weeks later, while I emerge, an empty chrysalis The lime swallowtail is a pe- was an indication that the buta plant. The eggs hatch, and these changes are happening tite yellow butterfly, with terfly had emerged safely. black markings. A few red, Every now and then, I watch blue and orange spots on its the delightful lime swallowtail they munch on the plant's ment to let me know that it is wings complete this butter- flit by me in the garden, and I leaves and munch and munch alive and kicking inside! In a flies 'make up'! Over the next wonder, "Is this the butterfly few weeks, I watched the that I watched grow up on my

> You can watch this butterfly in your very own garden. The lime swallowtail is widely distributed throughout India, and if you keep your eyes peeled, you are sure to spot it near your home. And if by any chance, you have a lime plant in your garden, step out and take a peek-you might just spot a caterpillar or two that you can observe grow up into you very own 'friendly neighbourhood' butterfly!

Bangalore