

# RATTY'S BIG ADVENTURE







#### For Jack

With special thanks to my mum Sonja Porle for listening and helping, to my dad, William Hawthorne, for botanical advice, George McGavin for insights on the expedition and wildlife and Matthew Jebb for Papua New Guinea tree references



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## RATTY'S BIG ADVENTURE

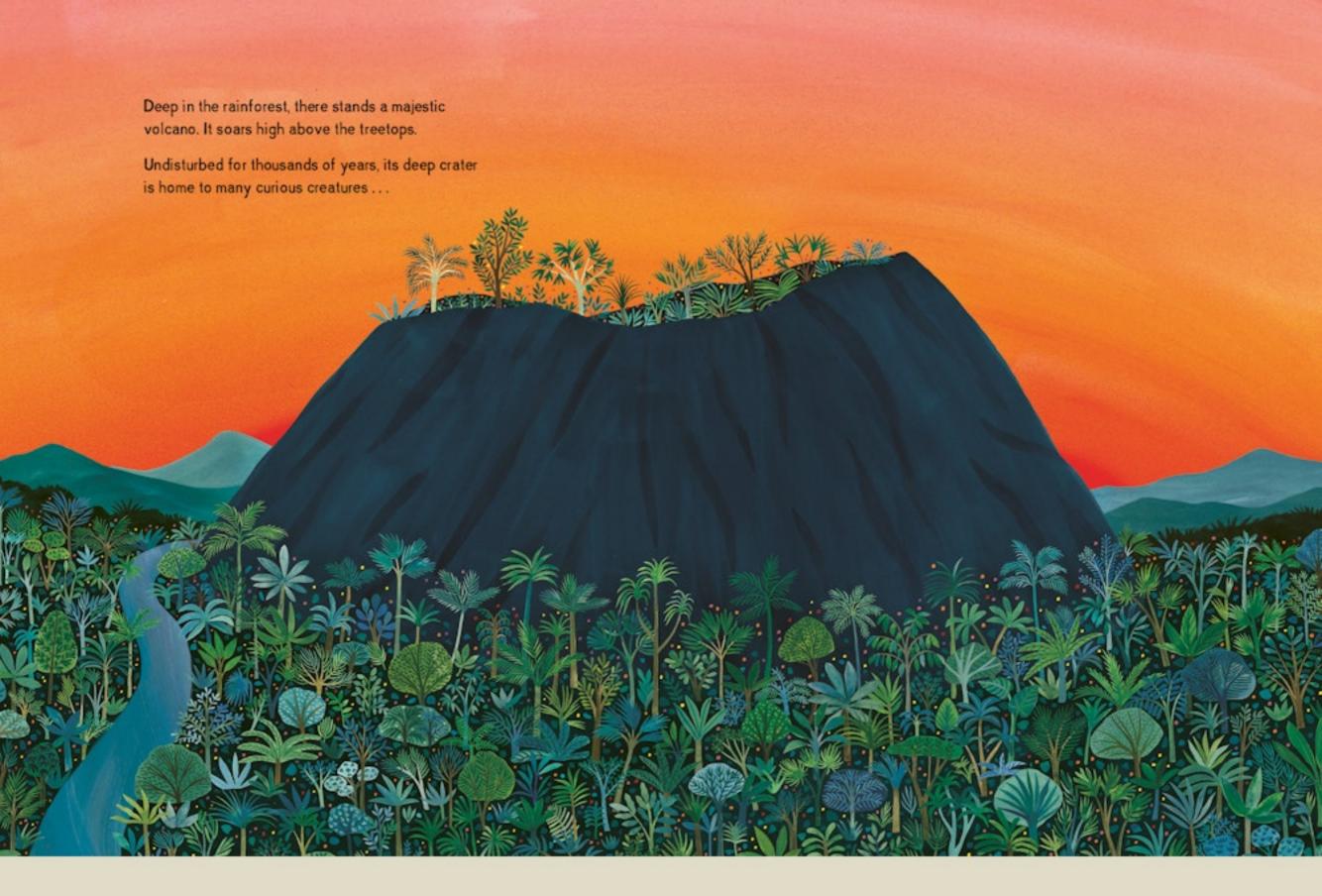
#### LARA HAWTHORNE



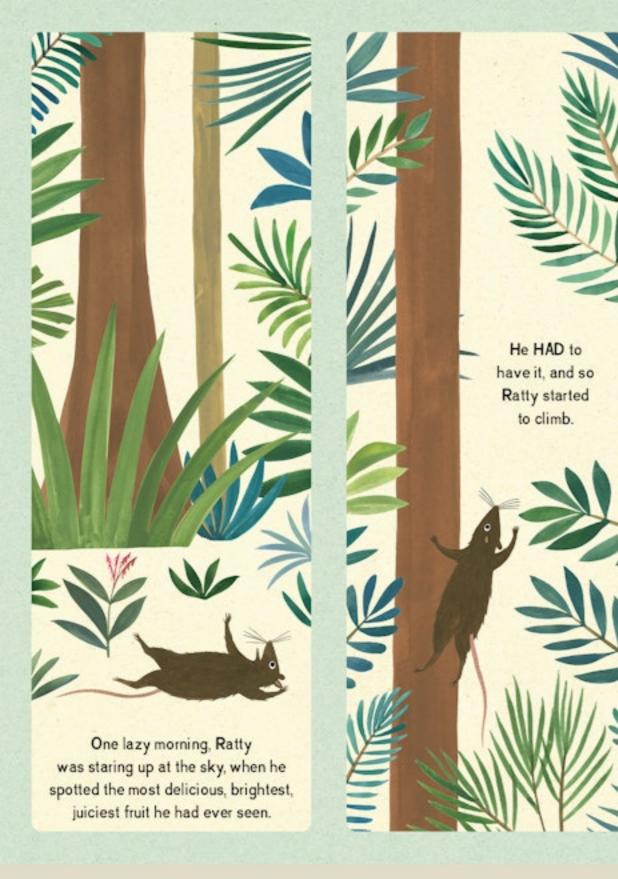
This is the tale of a giant vegetarian rodent called Ratty.

He lives deep inside an extinct volcano called Mount Bosavi,
which is hidden in the rainforests of Papua New Guinea.

Ratty's home is almost impossible to get into, and just
as difficult to climb out of . . .

















A flurry of butterflies danced for Ratty and the beetles twinkled like jewels.

"You're blocking my view. Make way! I'm off to find bigger, better
dancing insects, with brighter colours!" he called as he passed.













As Ratty floated along, he reached out to grab a tasty looking fruit, but a furry creature snatched it away. "Paws off!" grumbled the tree kangaroo.



Ratty saw a choir of birds and tried to join in, but they were alarmed by his squeaky voice and flew away.



He waved at some dancing insects, hoping to see them flutter and twinkle, but they did not know him so they hid.



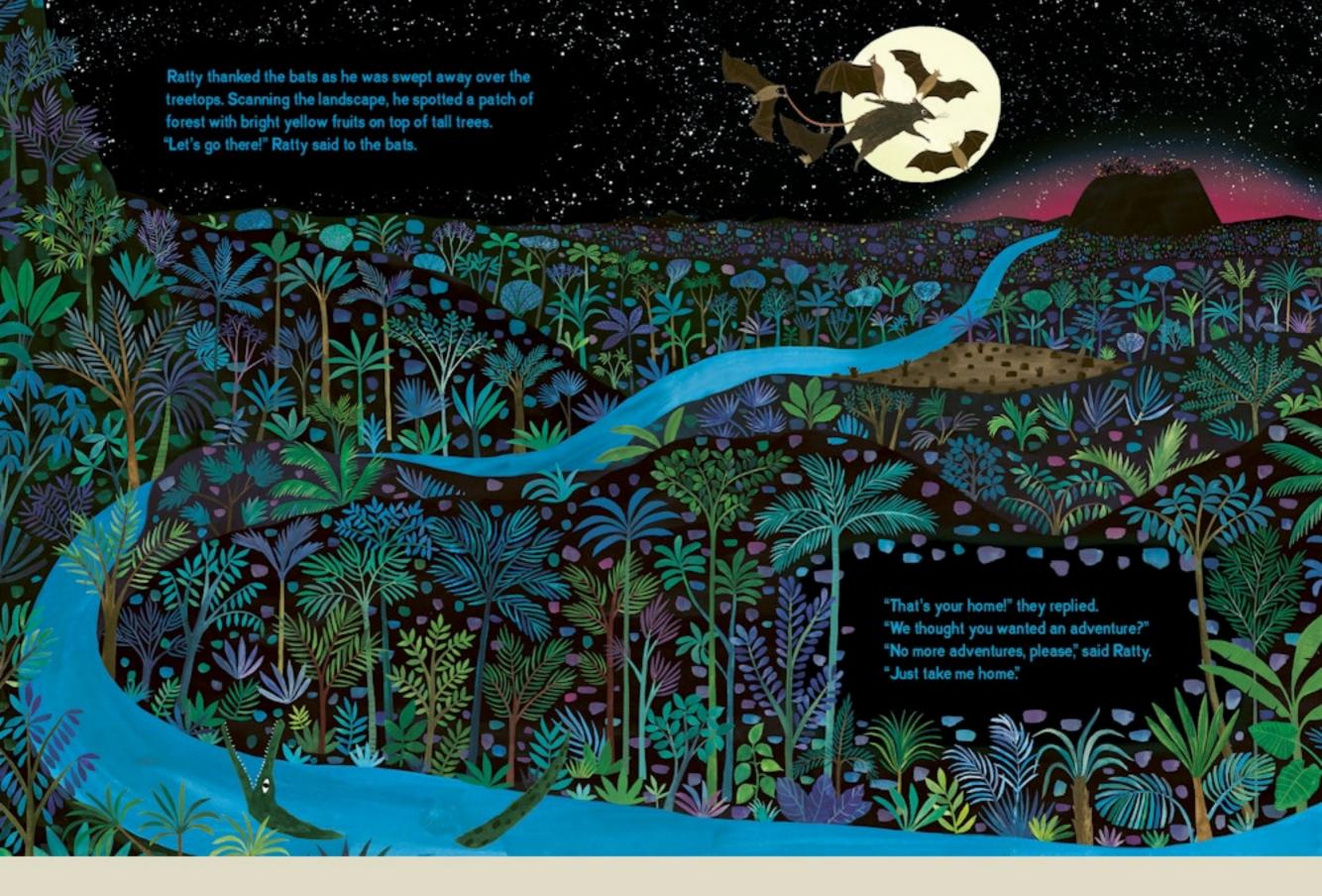
There was also a place that had no fruits, choirs or insects.

Ratty shuddered. He certainly didn't want to end up in this place.













## Journey to Mount Bosavi

Nestled in the rainforests of Papua New Guinea is the collapsed cone of a volcano that last erupted over 200,000 years ago. It is called Mount Bosavi. Because it is very difficult to get to, the crater is the perfect place for wildlife to develop undisturbed. In 2009, a team of researchers set foot inside as part of an expedition. Here are some facts from their journey . . .



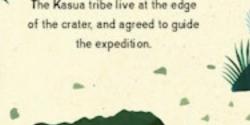
The crater is 4km wide

and 1km deep!

The Kasua tribe live at the edge the expedition.



Huge, powerful waterfalls stream down from the mount.



Much of the forest to the south of the volcano has been destroyed by loggers. One of the reasons for the expedition was to ensure the protection of the volcano.



Caves beneath the volcano provide watery underworlds for many species, some of which are new to science.



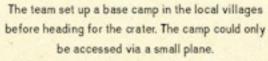
A crocodile's nest was found outside the crater. The team found a special type of bracket fungus. When it discharges its spores, it looks as though it is steaming!



Lake Kutubu

generates its own weather system! It is often wet and humid.



















### The Bosavi Woolly Rat

Ratty is based on a real life rat that the team found inside the volcano. As the crater was completely isolated for thousands of years, the rat evolved uniquely and so there is no other species like it in the world. For now, it is known as the Bosavi woolly rat, but it might be given a scientific name in the future.

Here's what else we know about it ...



#### Did You Spot ...?

The animals of Mount Bosavi are so unique they occur nowhere else on Earth.

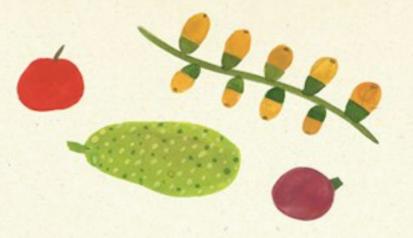
Because they have no fear of humans, some people think they are also the friendliest animals on the planet! The 2009 expedition uncovered 55 new species, 16 of which were found in the crater itself. Go back through the book and see if you can spot some of Ratty's special volcano friends.







# Glossary



#### BARK



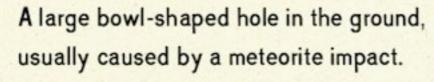
The outermost layer of trees and woody plants.

#### CAVE

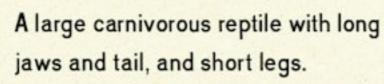


A natural underground chamber or tunnel.

#### CRATER



#### CROCODILE



#### CURRENT

Water moving in a definite direction.

#### CUSCUS

Possums that live in New Guinea and Australia.

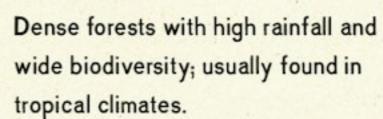
#### DOWNSTREAM

The direction of water as it flows towards the mouth of the river or stream.

#### HABITAT

The natural home of an animal or plant.

#### RAINFOREST



#### RIVER

Wide, flowing body of water.

#### RODENT

A group of mammals that includes rats, mice, hamsters and squirrels.

#### TREE KANGAROO

Marsupial herbivore adapted to living in trees.

#### **VEGETARIAN**

An animal or person that does not eat meat or fish.

#### VOLCANO

