





Author Frank Glew
Illustrator Sheila King



This book is dedicated to my four inspiring grandchildren in hope they may enjoy and appreciate the wonders of the natural world that is evident in the humble little honey bee.

I sincerely appreciate the help of my wife Sharon, entomology professors, outstanding teachers, students, friends, beekeepers, my grandchildren and Fraser Gibson who helped make this book possible.



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fsglew@kw.igs.net

Illustrations by Sheila King

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The bee is more honoured than other animals, not because she labours, but because she labours for others. - St John Chrysostom



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The breezes, the tree, the honey bee. All volunteers.

- Juliet Russell Lowel



Human beings have fabricated the illusion that in the 21st century they have the technology prowess to be independent of nature.

Bees underline the reality that we are more, not less, dependent on nature's service in a world of close to 7 billion people. - Achim Steiner UNEP

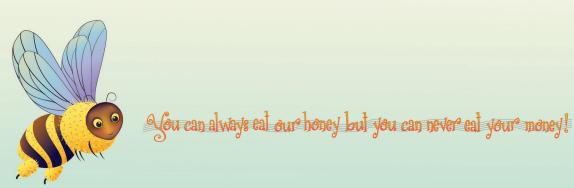
Bumble Island was the happy land of bees and honey. Thousands of wild animals and beautiful plants lived there. Majestic Melissa was one of the animals. She had five strange eyes and six very hairy legs. Melissa was a Honey Bee, a very wise Honey Bee! Sadly, no one knew that without Melissa, Bumble Island would be a huge disaster.







All of the Bumble Island animals had plenty of good food and clean water. The scent of wild flowers floated through the air. Melissa buzzed happily around the flowers singing a funny rap: "You can always eat our honey but you can never eat your money."

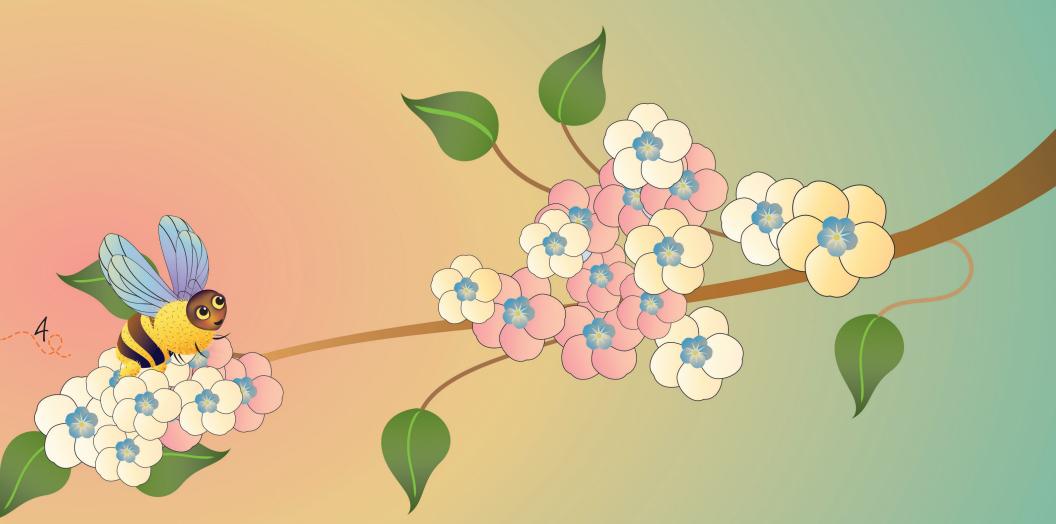


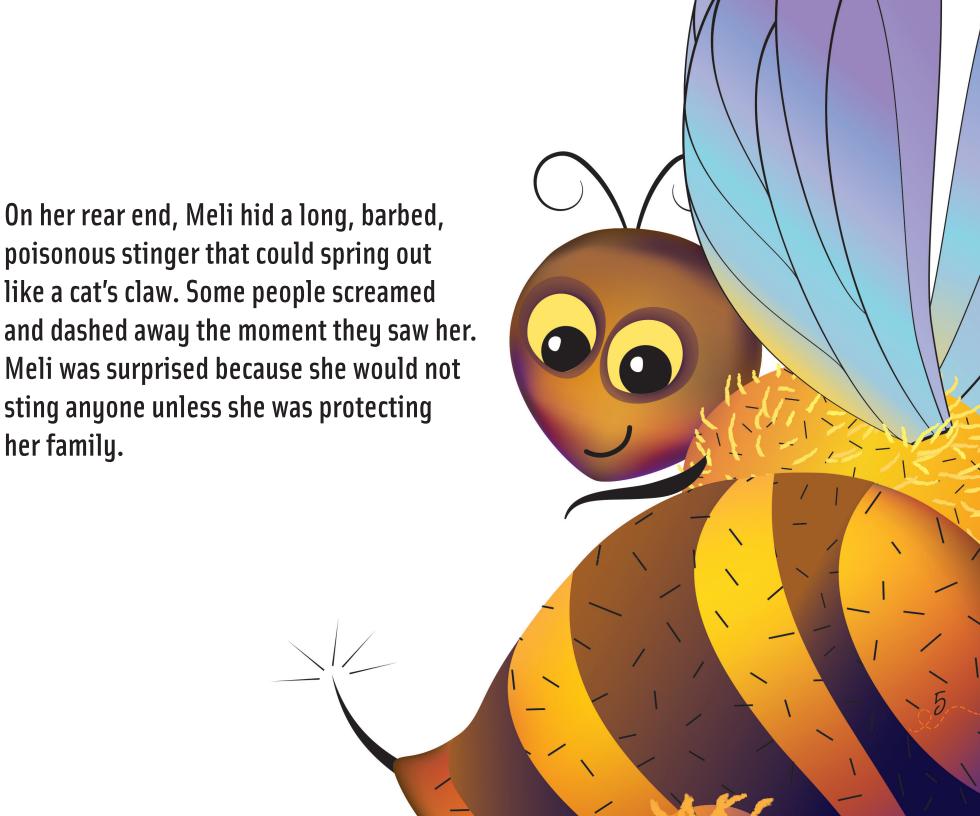


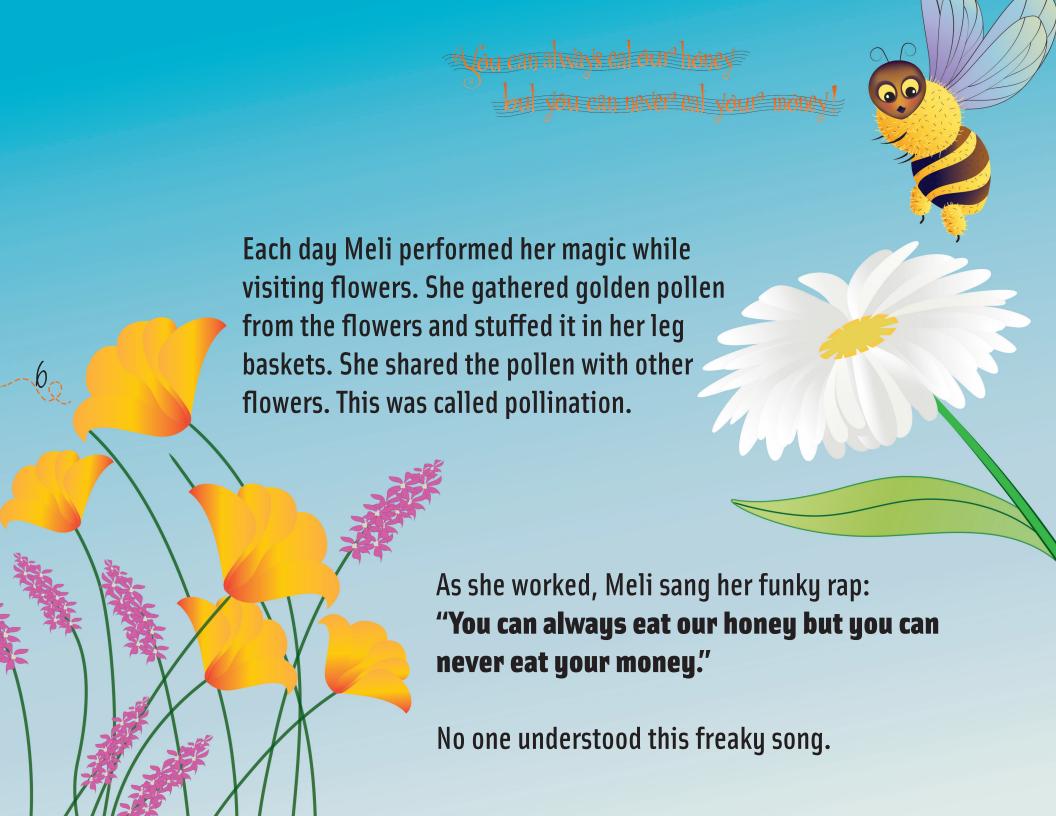


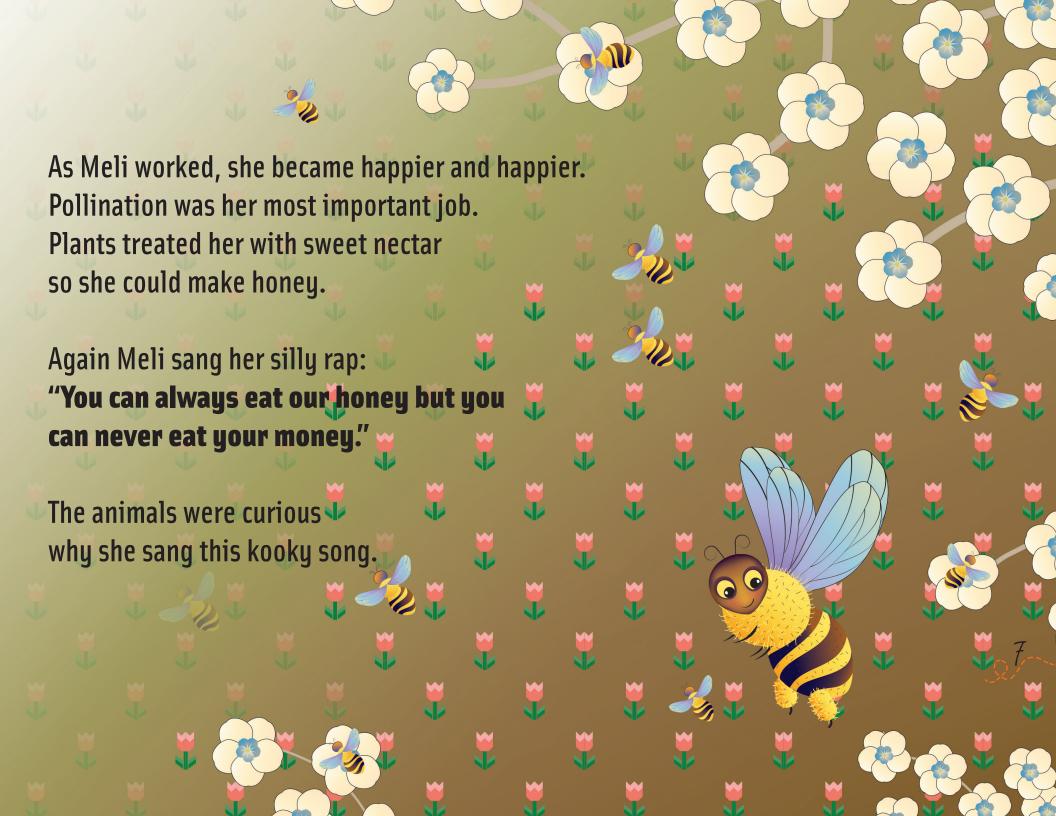
Using her four fast wings, Melissa darted around Bumble Island visiting her best friend, the Monarch Butterfly. Melissa became famous in all parts of the island for her wacky dance and odd song. Many animals called her Meli, which means honey.



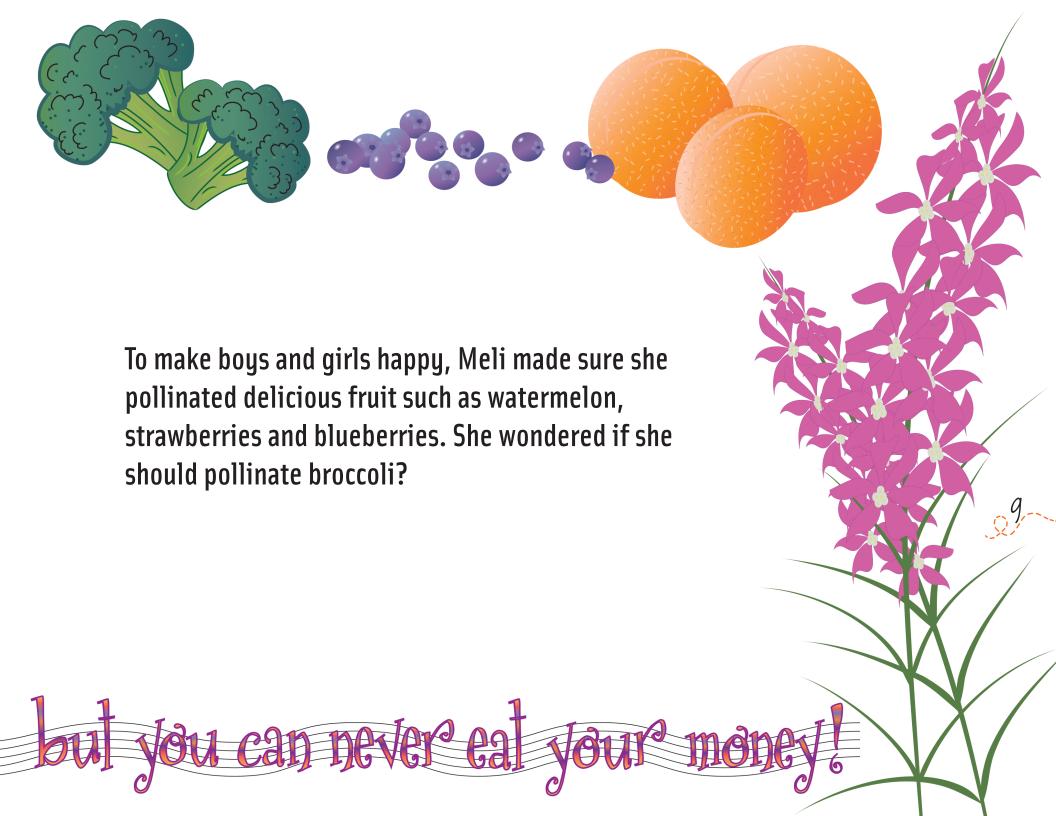








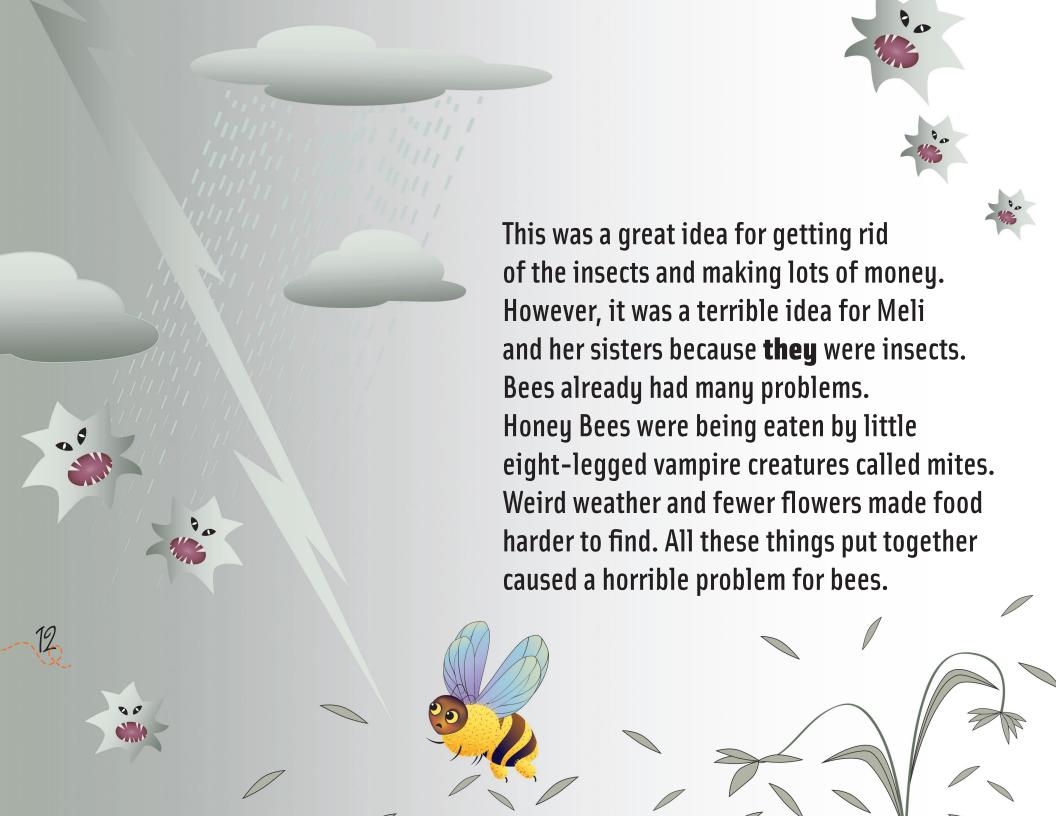


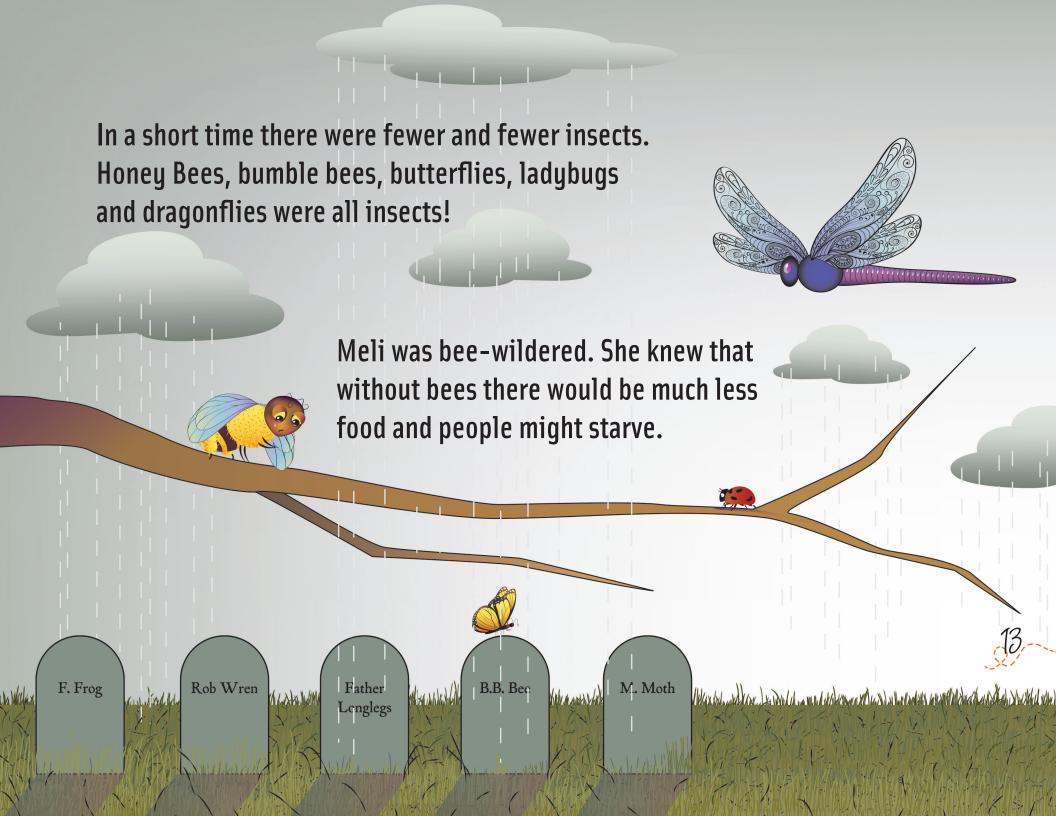




To make more food and more money, insects that ate farmers' crops needed to be stopped. New chemicals were made to get rid of the pesky insects. City people used the chemicals on their lawns and gardens. Insects eating any part of the plants, including the pollen, were poisoned.







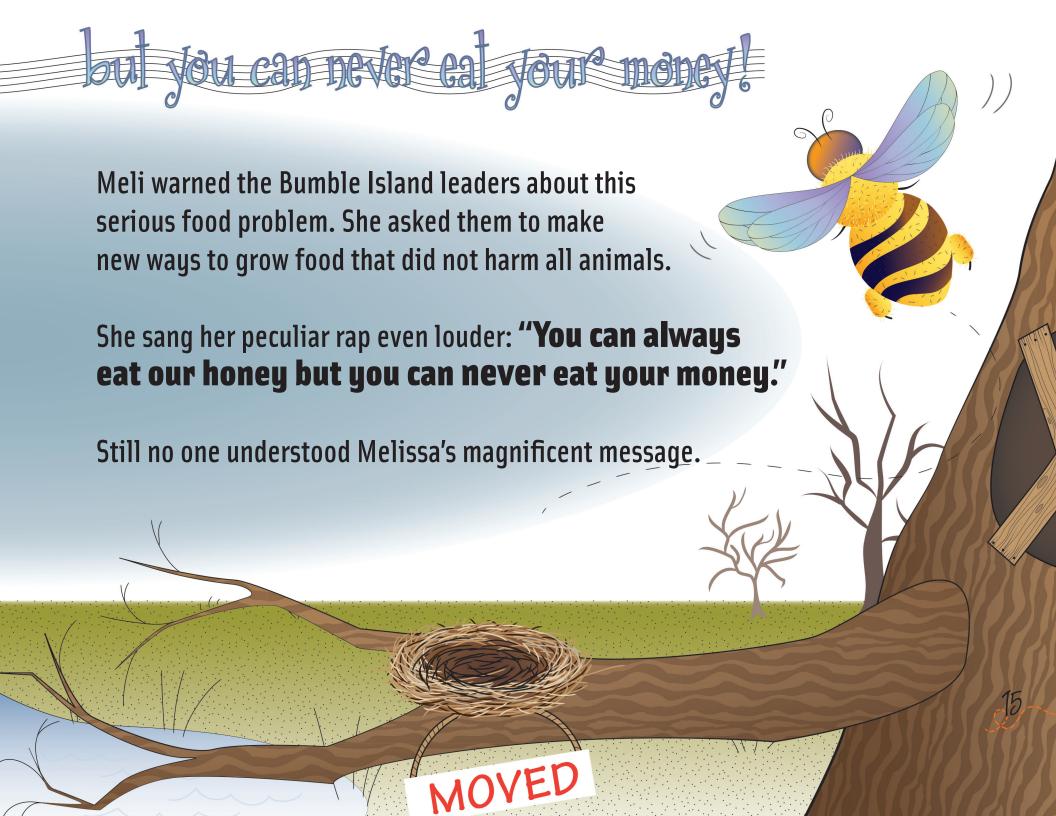
Goucan alvays cal our honey





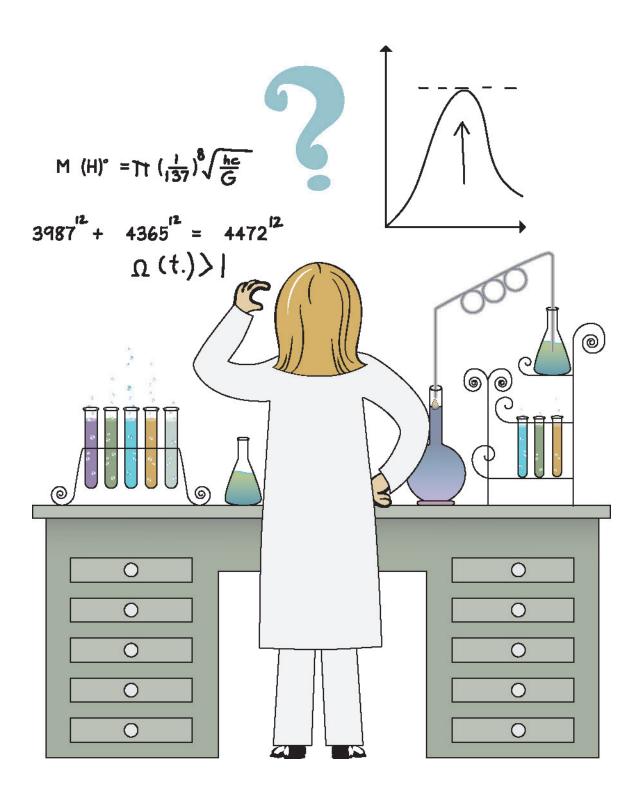
As the bees disappeared, so did many plants and animals including birds and frogs. Sadly, the grocery stores started running out of good food! Parents were worried about feeding their children. Bumble Island was in **big** trouble.

FORSALE





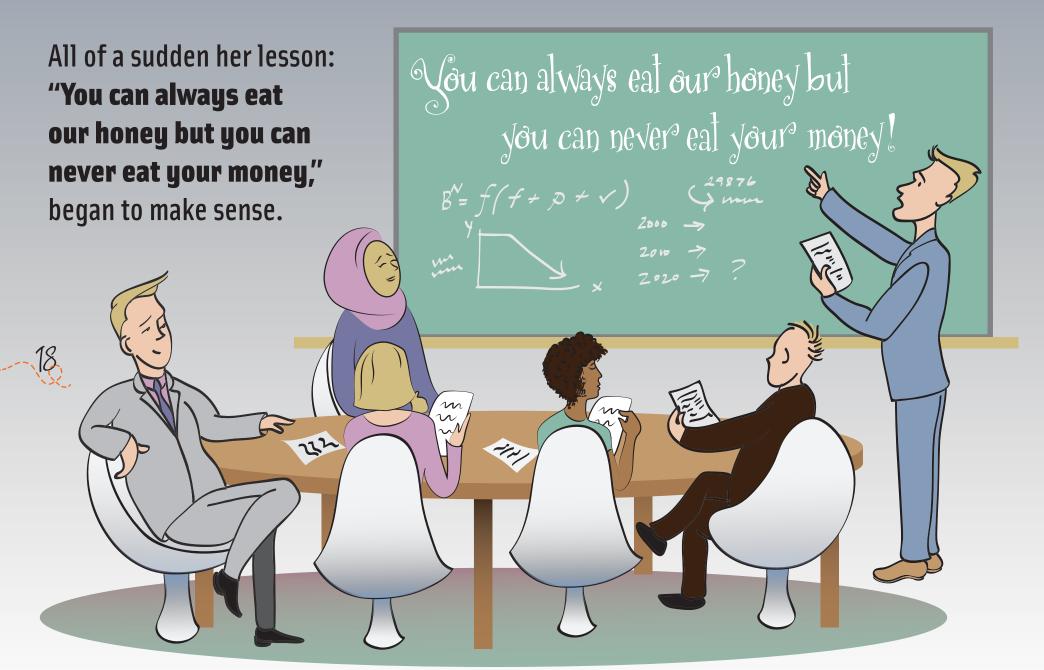
To brighten up dull lawns in the cities, Meli wished people would grow flower gardens and vegetable gardens without using poisons. Insects like her friend the Monarch Butterfly would easily find food. Honey Bees would pollinate the plants and make honey. This would help everyone.



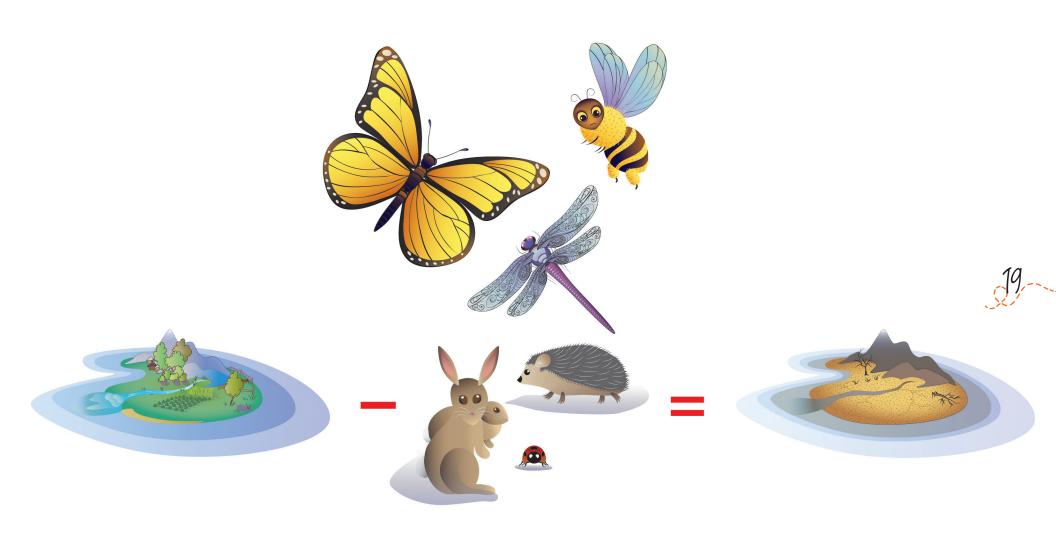
At first no one listened to Meli. The Bumble Island leaders needed good advice. Scientists were asked to study this serious problem. The leaders were bee-dazzled when scientists totally agreed with Meli. Too much good food would be lost without bees and other insects.



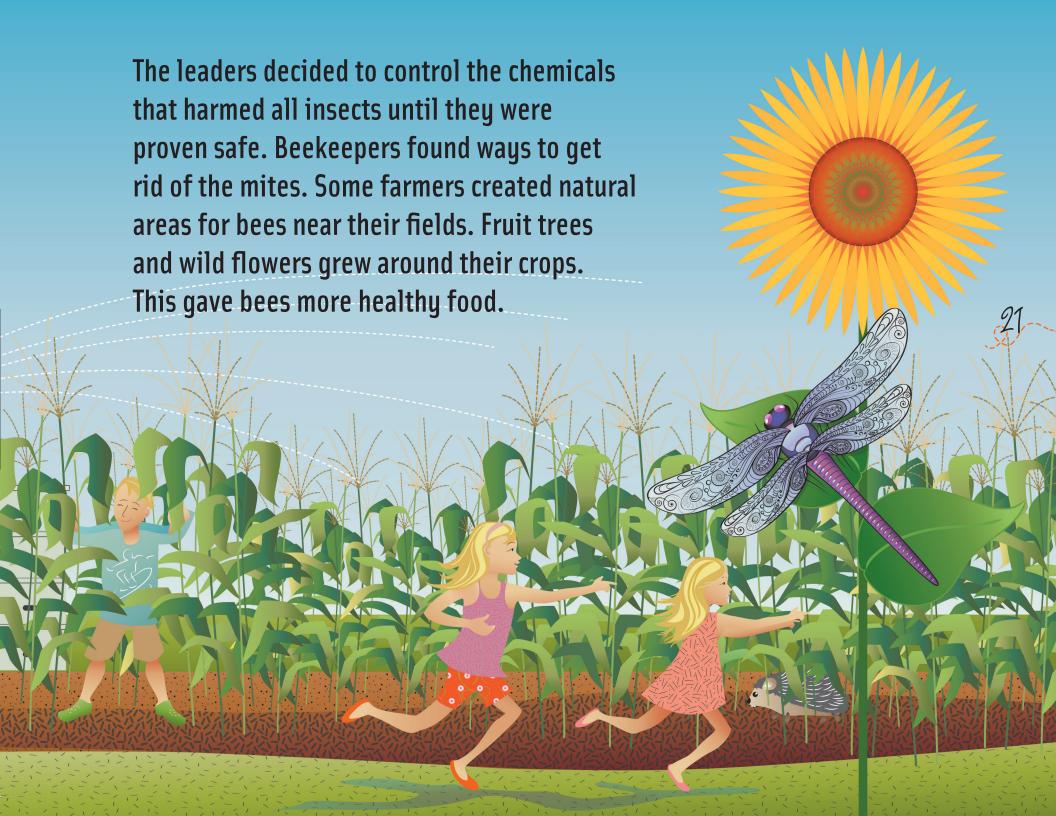
After many meetings, the wise leaders soon decided that Meli was right. Healthy food and nature were much more important than a few people making tons of money.



The Bumble Island leaders now understood that without insects like Meli and her sisters, there would be fewer plants. Fewer plants meant much less food. Bumble Island might become as barren as the moon because everything was connected. This was everyone's problem.









Once again, Bumble Island became a wonderful place to live. Everyone learned a most important lesson from Melissa. There are many, many things much more important than making piles of money.

Finally everyone understood her clever message: "You can always eat our honey but you can never, ever, ever eat your money."

Magnificent Melissa saved Bumble Island.



No bees, no honey; no work, no money. - Ancient Proverb







Pollen leg baskets



Bee stinger



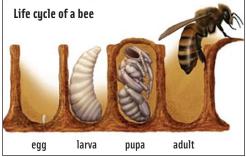
Bee's hairy head and tongue

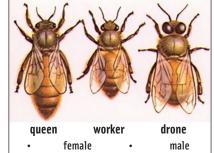


Mites on bees



Pollen sticks to the bees hairy body

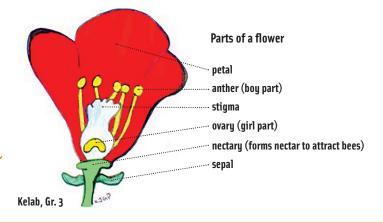


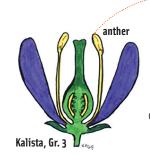




Honey

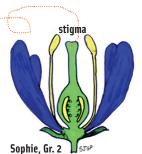
The average worker bee makes about 1/12th of a teaspoon of honey in her lifetime. Bees gather sweet nectar with their long tongue. After they process the nectar in their stomach, they regurgitate it into the honeycomb cells. Then they fan the cells with their wings to remove excess moisture. The final result is honey.





Honey Bee pollination

Pollen from the anther (male part) of the first plant is carried to the stigma (female part) of the second plant. Pollen goes down to the ovary where it forms a seed, fruit or vegetable.



Unique among all God's creatures, only the honeybee improves the environment and preys not on any other species.

If you want to gather honey, don't kick over the beehive. - Abraham Lincoln

AUTHOR — FRANK GLEW

Frank was born in Clinton, Ontario, Canada. He is the author of 11 primary nature picture books. They include the best selling book, *That Chickadee Feeling*. Each book has a common environmental theme using animals as a vehicle to create a compelling message and a voice for children and nature. He has taught all grades from one to university. He is the recipient of 14 awards for his work, including the *Queen's Golden Jubilee Medal*, 2002, and the *Richard's Educational Award*, 2006. "My soul came out to play today and I will never be the same." – Frank Glew

AUTHOR'S NOTES

The reason for writing this important book is the alarming fact that bees and wild pollinators are mysteriously dying off all over the world and no one clearly knows why. A third of all our food depends on Honey Bee pollination. Seventy five percent of all plants depend upon animal pollination. A world without pollinators would be devastating to our food production.

Listen to the bees and let them guide you. - Brother Adam



Family is everything.

No one seemed to listen when scientist told us 30 percent of frogs were threatened with extinction worldwide. They were not important enough economically. The frogs were giving us a warning! Nearly a third of the United States' 800 bird species are endangered, threatened or in significant decline. The birds are giving us a warning! Now the bees are also giving us a huge warning that something is drastically wrong. What happens to the bees will happen to us. We need to think seriously of the legacy we are leaving our children and grandchildren.

In our every deliberation we must consider the impact of our decisions on the next seven generations. - Great Law of the Iroquois Confederacy

As Melissa states in her story, the four main stressors have one common cause, the quest for profit! (money) We are at a tipping point where we need to sincerely examine our ways of making money when it is at the expense of human health and a sustainable planet. This includes fossil fuel, agricultural practices, pesticides, food, drugs and scientific research. We cannot point our finger at any one sector. We all need to change to a more sustainable way of life.

Pollinator
Habitat & Nutrition

Disease,
Pests & Change & Genetics

Pesticide Exposure

Climate
Change & Weather

ILLUSTRATOR — SHEILA KING

Artist/illustrator Sheila King grew up in Vancouver, British Columbia.

After graduating from the University of British Columbia she attended the Ontario College of Art and Design, and currently resides and works near Toronto, Ontario. Sheila can be contacted through her web site at **studiosking.com**.

Four main stressors of Honey Bees

Melissa's Magnificent Message (A book for all ages)
Melissa is a hard working wise little worker bee who
discovers the real reason why bees are disappearing.
Everyone needs to know the importance of these
little pollinators and the consequences of living without
insects. Through her insight she solves this complex
problem. The name Melissa comes from the Greek word
μέλισσα (melissa), "honey bee" and from μέλι (meli),
"honey". The message in this book is based on the North
American native saying, "When the last tree is cut down,
the last fish eaten, and the last stream poisoned, you
will realize that you cannot eat money."

The voice in the book is the voice of the bees, beekeepers, Gaia and our children who will be dependent upon our present choices for their future sustainability.

Make education fun! A free 10 page teachers' guide can be found on the author's web site below. It includes a fun, engaging indoor and outdoor lesson on pollination plus suggestions on how to help bees. Other books by the author may also be viewed. http://www.kw.igs.net/~fsglew or That Chickadee Feeling

Aerodynamically the bumble bee should not be able to fly, but the bumble bee doesn't know it, so it goes on flying.

- Mary Kay Ash



Books are the bees which carry the quickening pollen from one mind to the other. - James Russell Lowell

