

Saints, sovereigns & scholars



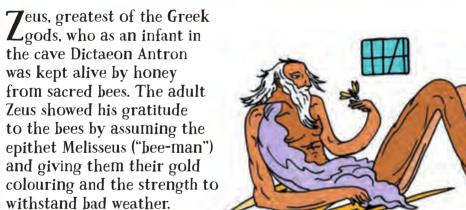
A of bees and honey

T ardworking bees have been considered sacred beings since ancient Π times, and this sacredness extends to their produce. For our ancestors, bees came to symbolize fertility, immortality, long life and purity. In many cultures, bees were viewed as souls of the dead, or even souls of the as-yet unborn. They became symbols of diligence and division of labour. For these characteristics, many rulers have included them in their insignia. In the Middle Ages, bees represented the gift of eloquence; by landing on the lips of an infant, the bee was said to grant that child the orator's gift.

The goddess Artemis, depicted as a bee, with jointed abdomen, bee-like wings and long skirt



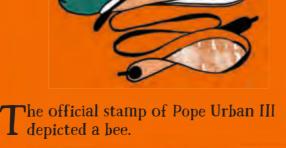
In ancient Egypt, bees were regarded as tears of the god Ra. The tears transformed into bees on falling to earth.





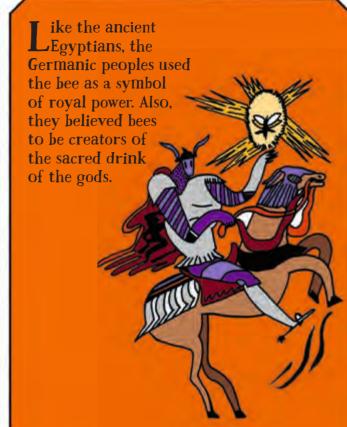


Greek philosopher Aristotle placed bees in three castes. He believed that the queen gave birth to workers and the workers to drones. The workers also organized, built and cleaned the shelter, made the honeycombs, took care of the eggs and food supplies, and drove the drones from the hive.





Tohn Chrysostom, a J Father of the Early Church, was depicted with a book in his hand and a beehive at his feet.



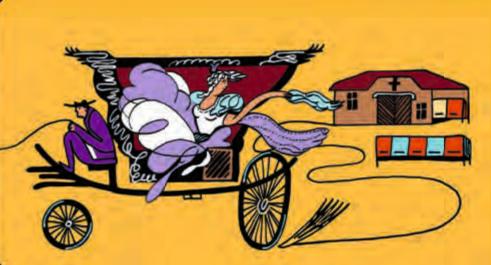


The Pharaoh was **■** considered the lord of the bees in ancient Egypt. Bee products were often used in sacrifices.

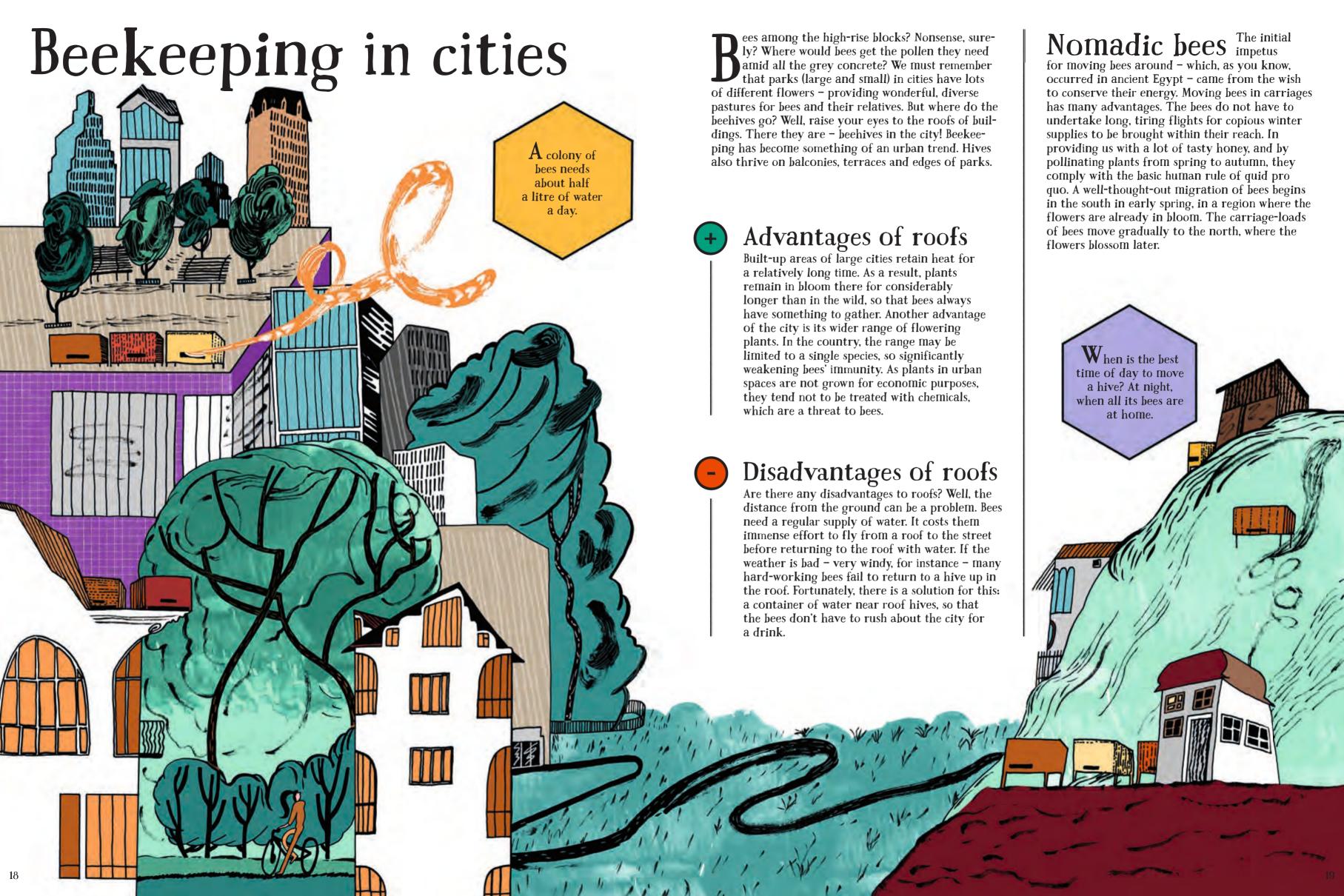
ver 300 gold bees were found in the tomb of the Frankish Oking Childeric, son of Clovis. These small, golden carvings, complemented with garnets, probably once decorated the royal raiment to symbolize the monarch's power.



Thanks to the discovery of the I golden bees in the tomb of the Frankish king Childeric, Napoleon Bonaparte went back to the Merovingian dynasty's symbol of the bee. It appeared on his royal mantle in place of the Bourbon lilv.



With her Beekeeping Patent of 1776, Maria Theresa exempted beekeepers from taxation whilst forbidding extermination of bees. She founded several beekeeping schools in Austria-Hungary and herself kept bees near her Vienna residence, making a great contribution to the development of the craft. The Patent also forbade great landowners from expelling beekeepers from their estates.



Bee magic

Formation of wax

As they grow, bees develop wax-producing glands on the abdomen. When the bee is about 12 days old, these glands begin to secrete wax in the form of small scales. As well as being a guarantee of the wax's pliable consistency, this secretion is an ingenious material with which to build honeycombs.

Made of wax

People were quick to notice the excellent properties of wax. They made wax candles to see by at night. Wax also served as an excellent sealing and insulating material. What's more, wax products had natural protection against excessive moisture.

An ancient Egyptian legend

A court scholar called Vabaoné was so tormented by his faithless wife that he decided to act. Having found some beeswax, he had it modelled into a small crocodile. This he tossed into the garden pool. As bees and their products were sacred in Egypt, the wax crocodile came to life, as the scholar was expecting. Now a predatory giant, it punished the faithless wife by swallowing her whole. Then it became a small, harmless wax figure again.



Propolis

Propolis is a sealant and anti-bacterial substance. Bees collect resin, mix it with secretions from their glands and – hey presto! – they have propolis. They use this to fill unwanted holes and seal cracks in their hive. Propolis also kills bacteria and viruses. In ancient Greece, it was used to treat wounds of the skin and to disinfect the mouth.

Multifunctional propolis

Whereas the Incas brought down a fever in a patient with the help of propolis, the ancient Egyptians used this rare substance for the embalming of bodies. In times long past, violinists would coat their instruments in it to get the loveliest sound.

Royal jelly

Royal jelly, which is rich in all possible vitamins, minerals, and trace elements, is produced from pollen grains in the hypopharyngeal glands of young bees. It is the food of the queen bee, who lives up to 5 years; worker bees are around for a much shorter time. Could it be that royal jelly is behind the queen bee's longevity?

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Anatomy of the bee

Bees are important pollinators of plants. Although not the only insects to perform this role, bees are the only ones who treat plants gently and don't damage them; they do not bite through to the pollen, and they don't nibble at a plant's anthers. They land lightly on a flower, wiggle, and let the pollen stick to their hairy body. They return to the hive with deposits of pollen lumped in balls on their hind pair of legs. They transport the sweet nectar in the so-called honey pouch, an enlarged part of the oesophagus.

Body parts

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oes anyone not like honey? I doubt it - I know of no such person. Honey is sweet for the tooth and good for our health. Only thanks to bees do we get to enjoy it. Humans discovered the connection between honey and the hard-working bee many ages ago. You would be right to think that beekeeping has a long history. But when and how did we begin to care lovingly for bees in return for their products, and how has our relationship with bees developed and changed over time? How do we think of bees, what do they mean to us, and are they truly indispensable to life on our planet? You can read about all this and more in the book now in your hands. Do you hear that gentle buzz?

