WHAT'S THE BUZZZZZ

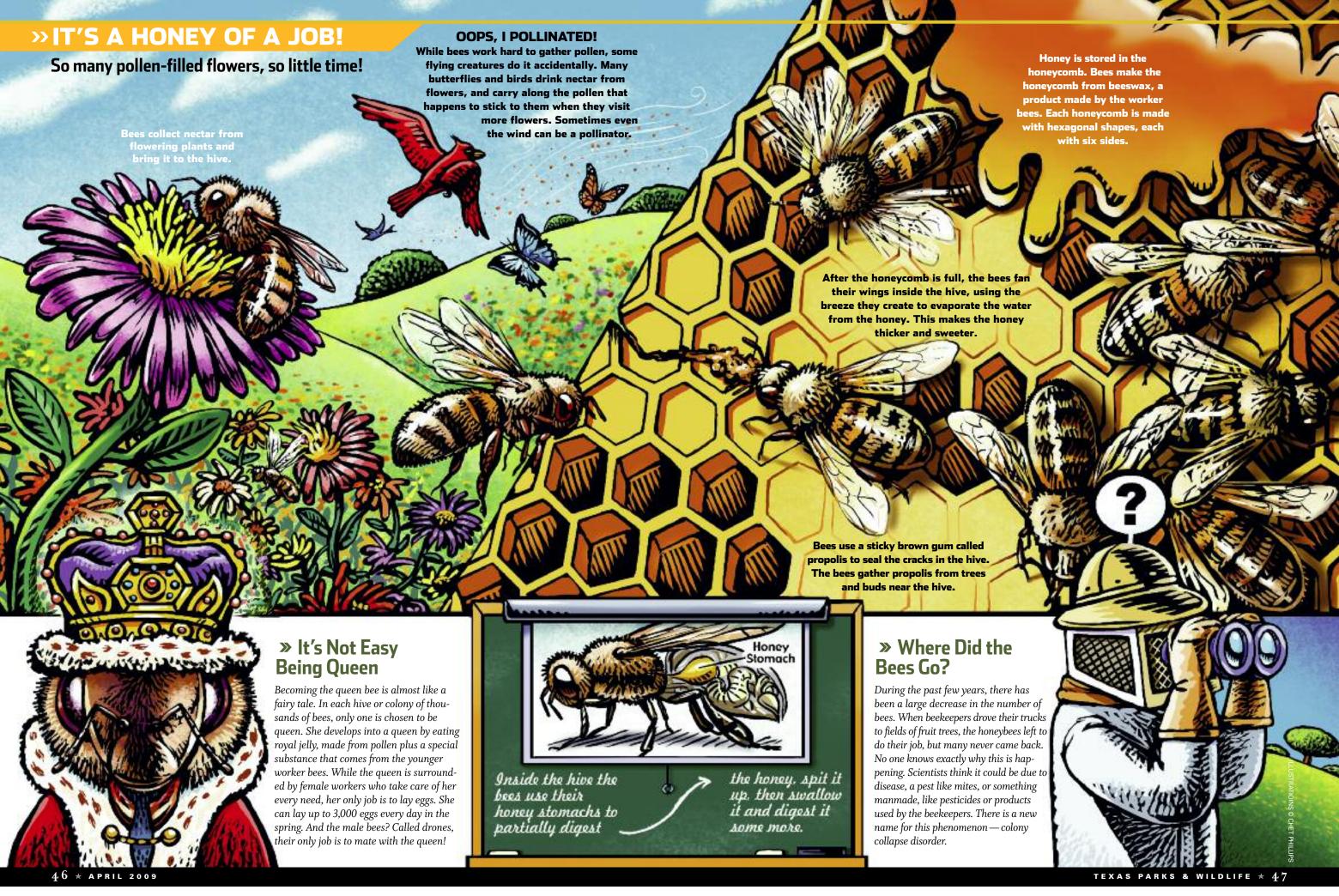
'Bee' amazed at these busy, busy bugs!

»POLLEN NATION

IF YOU ENJOY FRUITS AND FLOWERS, you can thank some tiny flying friends that make sure plants get pollinated. Fertilization results when pollen (the yellow dust in a buttercup) from the male part of a flower is moved to the female part of the same (or another) flower. Bees, both the native ones and the ones raised by beekeepers, pollinate a third of all the crops in the country. Some beekeepers load the bees onto big trucks and take them to orchards and fields where lots of pollination is needed. Birds, bats and butterflies are also important pollinators. Without pollination, we wouldn't have any fruit to eat!

A honeybee pollinates a wild water lily

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WILD MATH

An average honeybee hive can be home to between 12,000 and 50,000 bees, Only about 2 percent of the entire hive is made up of male bees, called "drones." In a hive of 50,000 bees, approximately how many are male? How many are female? What about in a hive of 40,000?



>> KEEPING IT WILD

Honeybees communicate with each other by dancing. When the worker bee discovers a good nectar source far from the hive, she does the "waggle" dance on the

honevcomb. The "round" dance is used for closeby nectar sources. The other bees gather around to watch and find out the latest news. The length of the dance shows how far away the floral

> patch is. Her dance also shows the direction of the patch, and she adds a

special shake when more for-

agers are needed. If more bees are needed to make honey, she does a "tremble" dance. Pretend you are a honeybee, and make up your own ways of doing the "bee boogie" to communicate spe-

cific messages to the other bees.

>> WILD SCIENCE

Honey can have different flavors depending on the source of the nectar and pollen gathered. Orange, clover and buckwheat are a few different flowers often used to make honey. Go to the grocery store and choose four different kinds of honey to test. Make a chart and record the viscosity (thickness), color



and taste of each. Can you guess what kinds of flowers were used to make it? Check your guesses with the information on the labels.

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