Finding a Voice:
Writing Stories for Physics Today
Samantha Creech
Mentor: Andrew Grant

Background: Physics Today, December 2019
Detail from Skyscape, 1912, by Nicholas Roerich/Tretyakov Gallery, Moscow/ Bridgeman Images
The Pitch

• Timely
• New
• Important (to the audience)

Background: Physics Today, June 2019
Image courtesy of NASA/JPL-Caltech/SwRI/MSSS/Gerald Eichstädt/ Seán Doran
Reporting

The process of getting information for an article

• Reading the literature
• Interviews

Background: Physics Today, October 2019
Harold Fisk/Army Corps of Engineers
Writing

• Story structure
  • Lede, middle, kicker
• PT style
  • Details
  • Figures

Background: Physics Today, February 2018
Photo courtesy of Kenneth Libbrecht
When honeybees are ready to build a new hive, they select a site and start to collect materials. Once the site is chosen, the bees build the nest and the queen lays eggs. The colony continues to grow as new workers emerge from the eggs. The workers then begin to forage for food and return to the hive to store it, providing energy for the colony to grow and thrive.

A healthy honeybee colony is an incredibly complex system, with each worker specializing in different tasks. The queen's primary role is to lay eggs, while the workers are responsible for gathering nectar, pollen, and water, as well as building and maintaining the hive. The bees also communicate using a series of dances and pheromones to indicate the location of food sources and other important information.

Honeybees are known for their ability to learn and adapt to new situations. They have been observed to solve complex problems, such as navigating through迷宫式迷宫 and finding food sources in unfamiliar environments. This adaptability is thought to be a key factor in the success of honeybee colonies around the world.

References


Cover image credits: Catherine Owens

Figure Captions

Figure 1: An accelerometer is installed directly in the center of the honeycomb.
Machine learning predicts honeybee swarms

Vibrational spectra collected by accelerometers embedded in hives signal when a queen is about to leave and start a new colony.

BY SAMANTHA CREECH © 24 Jul 2020 in Research and Technology

Background: Physics Today, October 2019
Detail from CF126_480, 2020, courtesy of Mark J. Stock
Thank you!

Questions?

Background: Physics Today, September 2019
Image courtesy of Manohar Vanga, Max Planck Institute for Software Systems