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By Cassie and Simon



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Bee Waggle Dance

The bee waggle dance is a unique form of communication used by honeybees to tell other members of their colony where to find food, water, or new nest sites. It's a figure-eight pattern involving a straight "waggle" phase and circular movements. The dance communicates direction, distance, and quality of the resource.

Direction:

The angle of the bee's body during the waggle run indicates the direction of the food source relative to the sun. For example, if the bee waggles vertically upwards, the food source is in the direction of the sun.

Distance:

The duration of the waggle phase (the straight run) indicates the distance to the food source. A longer waggle run signifies a farther distance.

Quality:

The intensity of the waggle (how vigorously the bee moves) and the speed of the dance (number of circuits per second) can indicate the quality of the food source. A more rapid waggle and faster dance often indicate a high-quality food source.

The waggle dance is a sophisticated form of communication that allows bees to quickly and effectively share information about valuable resources with their colony. It's a fascinating example of how animals can use complex behaviors to communicate and cooperate

