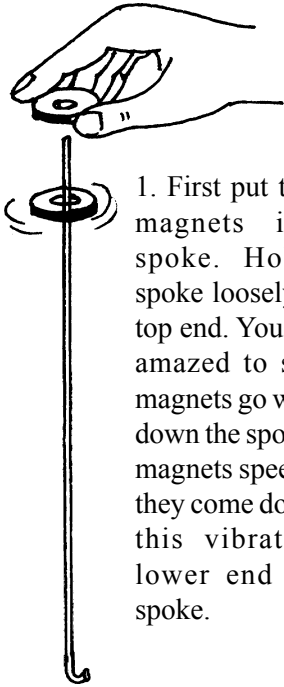


## SPOOKY FAN

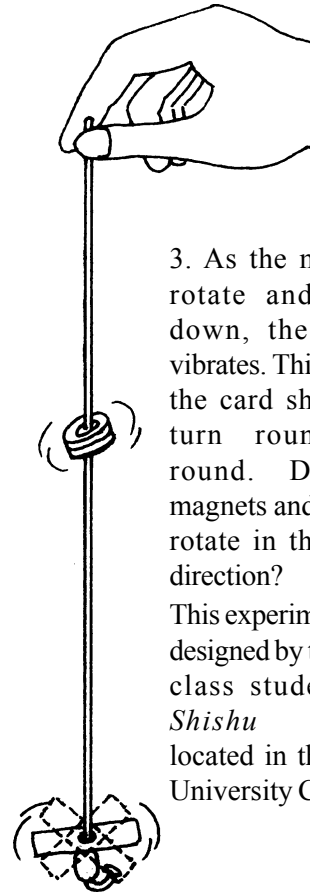
You will require two ring magnets, a cycle spoke, a bead and some card sheet to do this experiment.



1. First put the ring magnets in the spoke. Hold the spoke loosely at the top end. You will be amazed to see the magnets go whirling down the spoke. The magnets speed up as they come down and this vibrates the lower end of the spoke.



2. Place a bead (to reduce friction) and a card fan on the lower end of the spoke. The bead enables the fan to rotate freely. Now place the magnets on the top end and hold the spoke loosely at the top.



3. As the magnets rotate and come down, the spoke vibrates. This makes the card sheet fan turn round-and-round. Do the magnets and the fan rotate in the same direction?

This experiment was designed by the sixth class students of *Shishu Vihar*, located in the Pune University Campus.