

## FARADAY'S PRINCIPLE

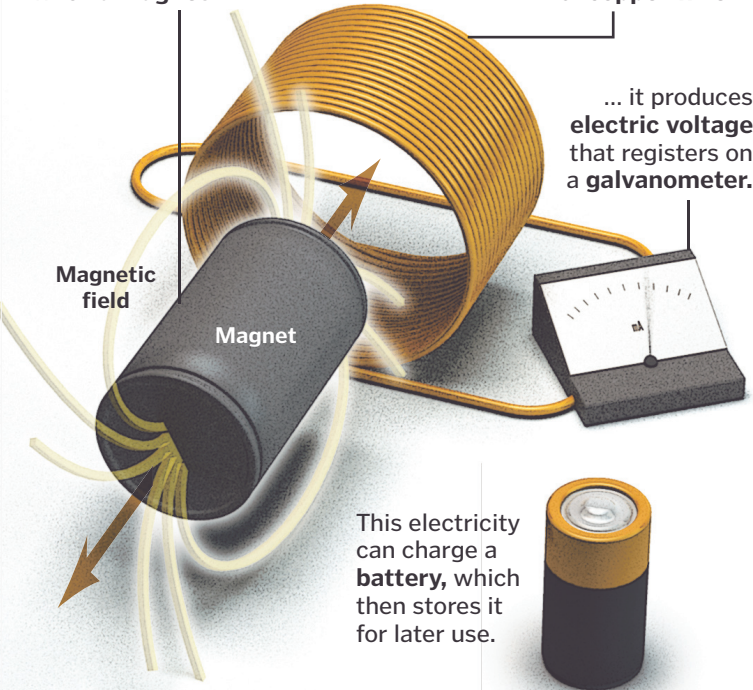
# Electricity from movement

Entrepreneur Aaron LeMieux's Personal Energy Generator works on the basis of a phenomenon first described by 19th-century English chemist and physicist Michael Faraday.

Faraday observed that when a **magnet** ...

... moves toward a coil of **copper wire** ...

... it produces **electric voltage** that registers on a **galvanometer**.



This has made possible the development of the **no-battery flashlight** (also called the **shake flashlight**) which uses motion — provided by the user when he shakes it — to charge an internal battery and power the light. As battery technology improves, these devices become more efficient and more useful.

