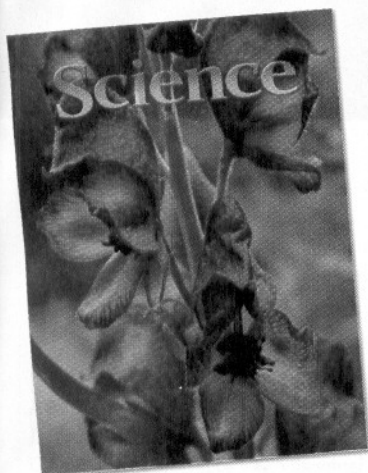




COVER

Flowers of monkshood, *Aconitum napellus*, extend laterally from a main stem and open successively toward the apex. This arrangement is one of only three basic flowering structures observed in nature, reflecting the way developmental mechanisms and natural selection interact to constrain biological form, as described on page 1452.

Photo: Karen Lee

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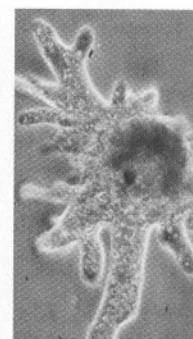
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www.sciencexpress.org

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The magnetic resonance between two induction coils can be used to power a remote device through space over a distance of 2 meters.

10.1126/science.1143254

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Parallels Between Cytokinesis and Retroviral Budding—

A Role for the ESCRT Machinery

J. G. Carlton and J. Martin-Serrano

Cytokinesis, the process by which daughter cells are physically separated during cell division, uses the same machinery as viruses like HIV use to bud from infected cells.

10.1126/science.1143422

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Dentate Gyrus NMDA Receptors Mediate Rapid Pattern Separation in the Hippocampal Network

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Rats are able to distinguish a new environment from a similar one because of distinct patterns of synaptic strengthening in the dentate gyrus.

10.1126/science.1140263

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10.1126/science.1141858

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B. Shipley, D. Vile, É. Garnier

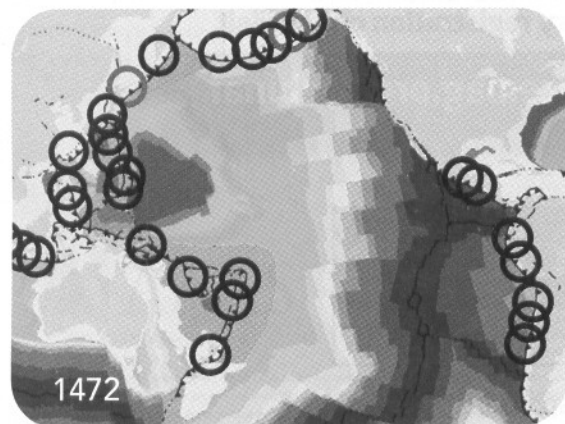
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