

The electronic form of this issue, available as of October 13, 2008, at [www.plantphysiol.org](http://www.plantphysiol.org), is considered the journal of record.

**On the Cover:** In this issue, Schuetz et al. (pp. 870–880) show that *monopteros pin-formed1* double mutant seedlings or *monopteros* seedlings germinated in the presence of an auxin efflux inhibitor generate an unprecedented type of abnormal shoot apical meristem development that not only completely obstructs the formation of lateral organs but also vastly expands the shoot apex. This synergistic effect suggests that *MONOPTEROS* promotes leaf initiation in part through pathways independent of efflux-mediated auxin transport. The picture shows the meristem region of a *monopteros* seedling 4 d after germination on growth media supplemented with 10  $\mu\text{M}$  1-*N*-naphthylphthalamic acid. This image shows limited growth of cells immediately surrounding the meristem and the initiation of extensive growth from the meristem. With time, the growth of the meristem in the absence of leaf formation will result in large leafless dome structures. Scanning electron micrograph by M. Schuetz.

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<sup>[C]</sup> Some figures in this article are displayed in color online but in black and white in the print edition.

<sup>[W]</sup> Indicates Web-only data.

<sup>[OA]</sup> Open Access articles can be viewed online without a subscription.