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COVER PHOTO: *Maieta guianensis* (Melastomataceae) is a shrub found in the understory of the central Brazilian Amazon. The pouches at the base of leaves are colonized by specialized ant species that vary in the quality of defense against herbivores they provide to host plants. Bruna et al. studied how that over time this translates into differences in the dynamics of plant populations colonized by each species (see pp. 3237–3243). Photo credit: B. D. Inouye.