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Ecophysiology of "*Halarsenatibacter silvermanii*" Strain SLAS-1^T, gen. nov., sp. nov., a Facultative Chemoautotrophic Arsenate Respirer from Salt-Saturated Searles Lake, California

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Cover photograph (Copyright © 2009, American Society for Microbiology. All Rights Reserved.): *Cinara terminalis* aphids sucking sap from a pinyon pine shoot in southern Colorado. The diversity of *Serratia* organisms and other facultative bacterial symbionts from the subfamily Lachninae, in which facultative symbionts are especially common, was investigated. Despite their prevalence, "*Candidatus Serratia symbiotica*" lineages do not seem to be obligate for this aphid group. Multiple acquisitions of symbiont lineages from free-living *Serratia* ancestors may reflect a propensity for these bacteria to become successful long-term associates of aphids. Photo by Colin Favret. (See related article on page 5328.)

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