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<b>Cover</b>	Fully grown individual of the aphid <i>Longistigma caryae</i> (Harris) feeding on the lower side of a linden ( <i>Tilia americana</i> L.) branch. The stylets are inserted into the conducting phloem. The animal does not suck; it can feed because of the internal pressure of the plant. It releases surplus sugar solution in the form of a honeydew droplet about once every 30 minutes (about $\times 11.5$ ). See page 73. [Martin H. Zimmermann, Harvard University]	

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