Specialized mouth of a male moth (Gluphisia septentrionalis). The gaping orifice serves for the intake of massive amounts of fluid at puddles of water from which the moth extracts sodium. The ion is transmitted to the female at mating and eventually to the eggs. The grid is presumed to guard against silt intake. Magnification ×420. See page 1816. [Electron micrograph: Maria Eisner]