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TITLE: The associations of Amphipoda Hyperiidea with gelatinous zooplankton?I. Associations with Salpidae

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ABSTRACT:

Collection of live planktonic animals by divers has confirmed that hyperiid amphipods in the genera *Vibilia* and *Lycaea* are specific and obligate symbionts of salps. Species in the genera *Brachyscelus*, *Parathemisto*, *Oxycephalus* and *Phronima* are also sometimes associated with salps. *Vibilia* feed preferentially on the particulate food collected by the salp, whilst *Lycaea* consume the salp tissue directly. There are further differences in the distribution and life cycle of the two genera on their hosts. Our collections indicate specific host-parasite relationships exist in at least two species of *Lycaea*.

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