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Seasonal Variation of Pseudophyllidean cestode, *Diphyllobothrium* spp. Infection in *Cyclops strenuus abyssorum* (Copepoda) in Loch Lomond

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Abstract: The seasonal variation in natural levels of infection with procercooids of pseudophyllidean cestodes, *Diphyllobothrium* spp, and the abundance of *Cyclops strenuus abyssorum* (Copepoda) were studied in Loch Lomond, Scotland, From March 1993, to February 1994. The prevalence of infected copepods was found to increase with the temperature of the water, a peak occurring in June, while relatively low levels were recorded between December and March. The population density of *C. strenuus abyssorum* also exhibited seasonal variation, being higher during the warmer months. Water temperature in Loch Lomond, near Rowardennan, ranged from 3.2 to 16°C. The lowest water temperature was recorded in January and the highest in July.

Key Words: Infection, *Diphyllobothrium* spp., *Cyclops strenuus abyssorum*

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