

12. *Calciarcus* Manton et al. (1977)

(L. *calx* chalk, *arcus* arch)

Coccolithophorid periplast with scales of two sizes, a lower layer of small oval unmineralized plates and an outer layer of larger circular unmineralized plates carrying a superstructure of four flexible calcified struts attached to the base of an abbreviated calcified spine. Both scale types with an unmineralized marginal band and a surface pattern of radiating ridges. Protoplast unknown.

Type species: *C. alaskensis* sp. nov.

Periplastus coccolithophoraceus squamis dimorphis insignis alteris interioribus parvis ovalibus substantia minerali carentibus, alteris exterioribus majoribus orbicularibus, quaque spina centrali calcificata rudimentaria quattuor trabibus calcificatis flexilibus suffulta armata, praeterea cum cingulo substantia minerali carente, in utraque facie costis radiantibus ornata. Protoplastus adhuc non visus.

Species typifica: *C. alaskensis* sp. nov.

Manton, I., Sutherland, J. & Oates, K., 1977. Arctic coccolithophorids: *Wigwamma arctica* gen. et sp. nov. from Greenland and arctic Canada, *W. annulifera* sp. nov. from South Africa and S. Alaska and *Calciarcus alaskensis* gen. et sp. nov. from S. Alaska. *Proceedings of the Royal Society of London, Series B*, **197**: 145-168.