

Summary

Development of the protonemata and the sexual organs of male and female gametophytes have been studied on *Buxbaumia aphylla*.

The protonema of this species consisted of two elements, i. e. the chloronemal filament and rhizoidal filament. But the formation of caulonema could not be observed. The female inflorescence developed from the apical cell of the chloronemal branch which divided into 3 cells to form upper, middle and lower cells. Both the upper and lower cells developed into two bracts. But the middle cell divided again into 2 cells, large and small ones, from which a pile of 12-13 globular cells was formed. An archegonial initial was formed from the apical cell. The male inflorescence developed from the apical cell of the chloronemal branch as in the case of the female. The apical cell of the chloronemal branch was divided into 2 large and small cells. A small one developed into an antheridium and its stalk, and the other one formed a bract. The antheridial jacket consisted of a single layer of thin-walled cells inside which a large number of spermatids were contained.

引用文献

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○蕃菓というもの (久内清孝) Kiyotaka HISAUCHI: A commercial name used in Formosa for *Psidium guayava*

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