

LAB 7 – MARCHANTIOPSIDA

Lab Manual – Pages 84 - 88

1. *Conocephalum conicum*



Conocephalum conicum is found in open areas of woodlands on wet cliffs, behind waterfalls, damp depressions, sandy banks, wet rocks, and moist inorganic soils.

Lynn Canyon is a great place to see it!!!

1. *Conocephalum conicum*



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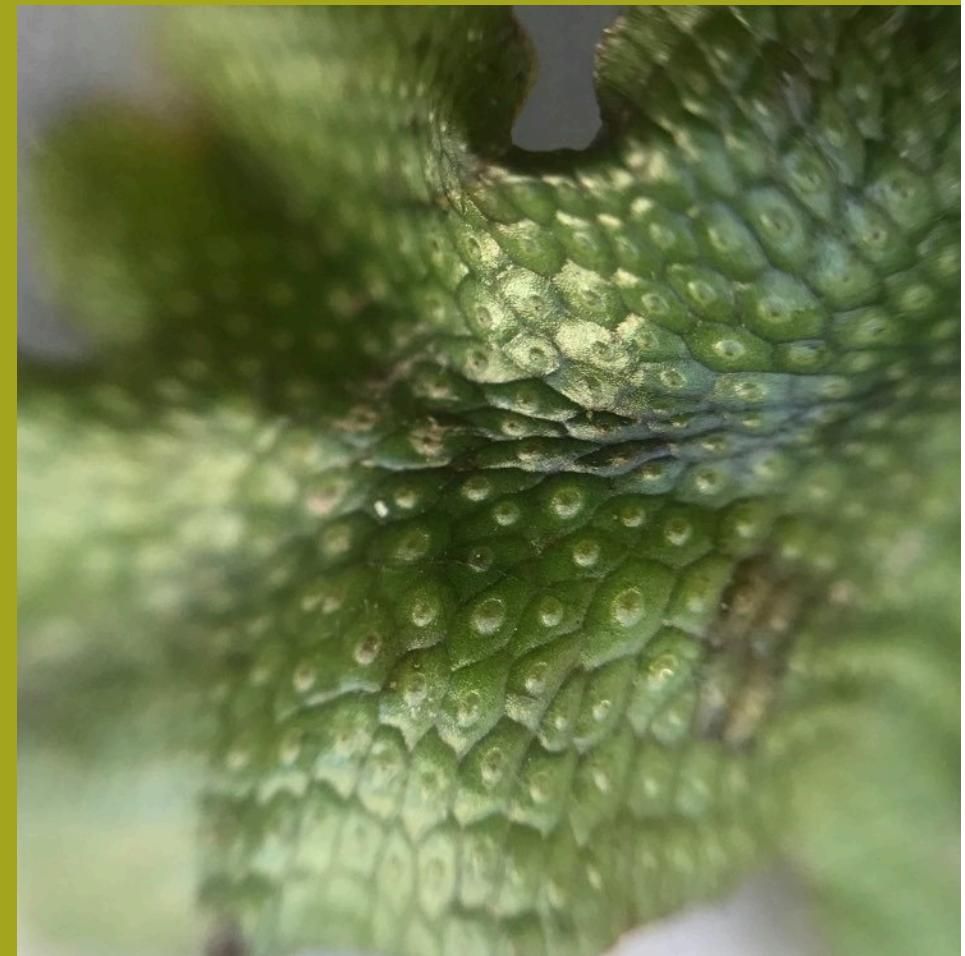


Irregularly branched thallus.

1. *Conocephalum conicum*



buds sheathed by scales



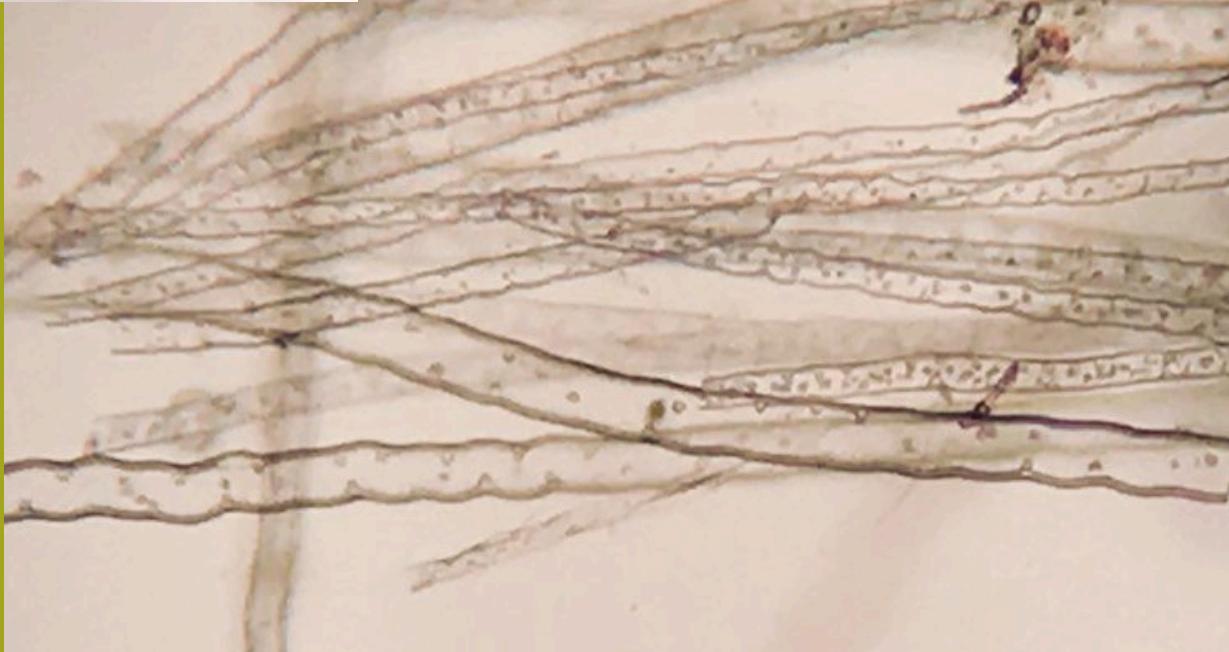
hexagonal outline of air
chambers and their central
pores on surface

1. *Conocephalum conicum*



Ventral side of thallus

1. *Conocephalum conicum*



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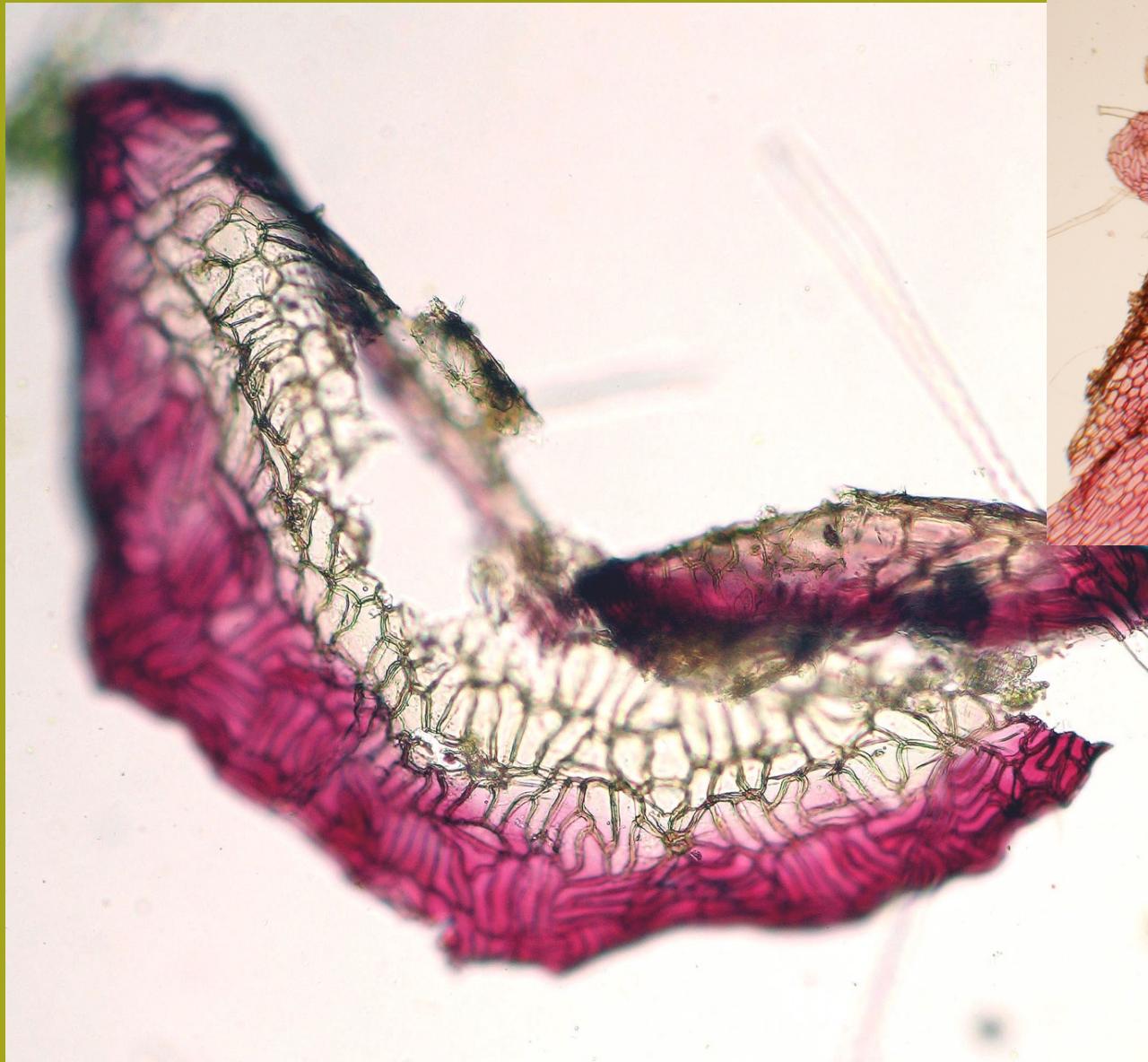
Pegged rhizoids



Smooth rhizoids

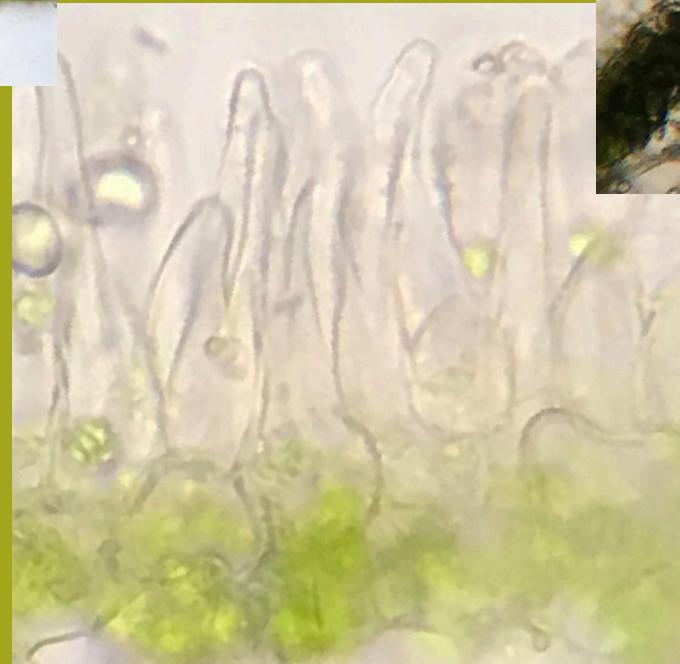


1. *Conocephalum conicum*



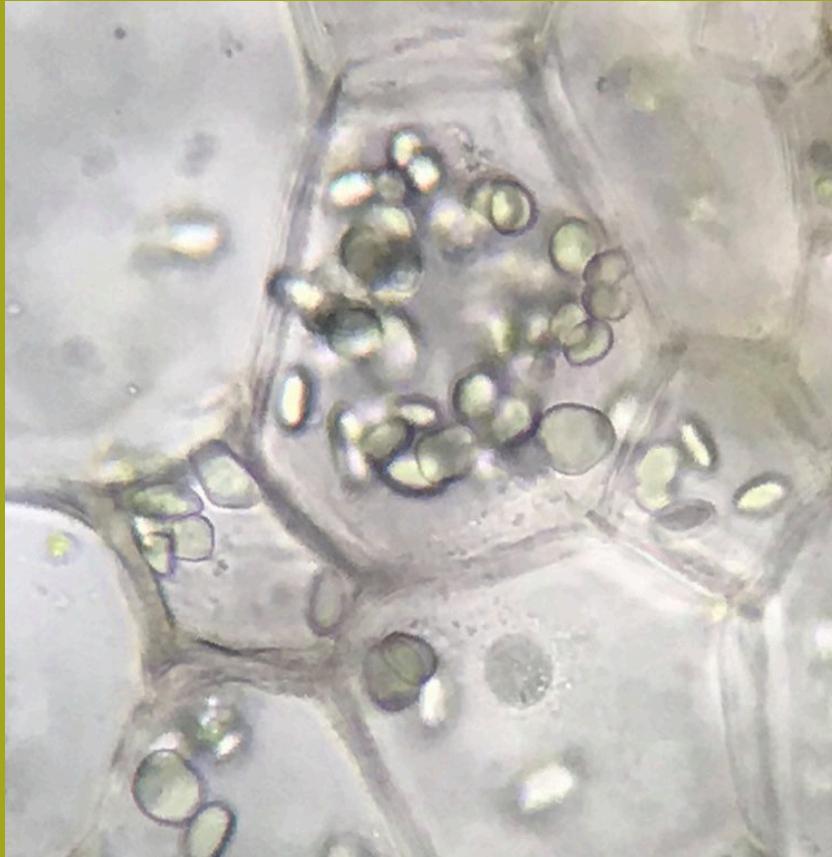
Scales

1. *Conocephalum conicum*



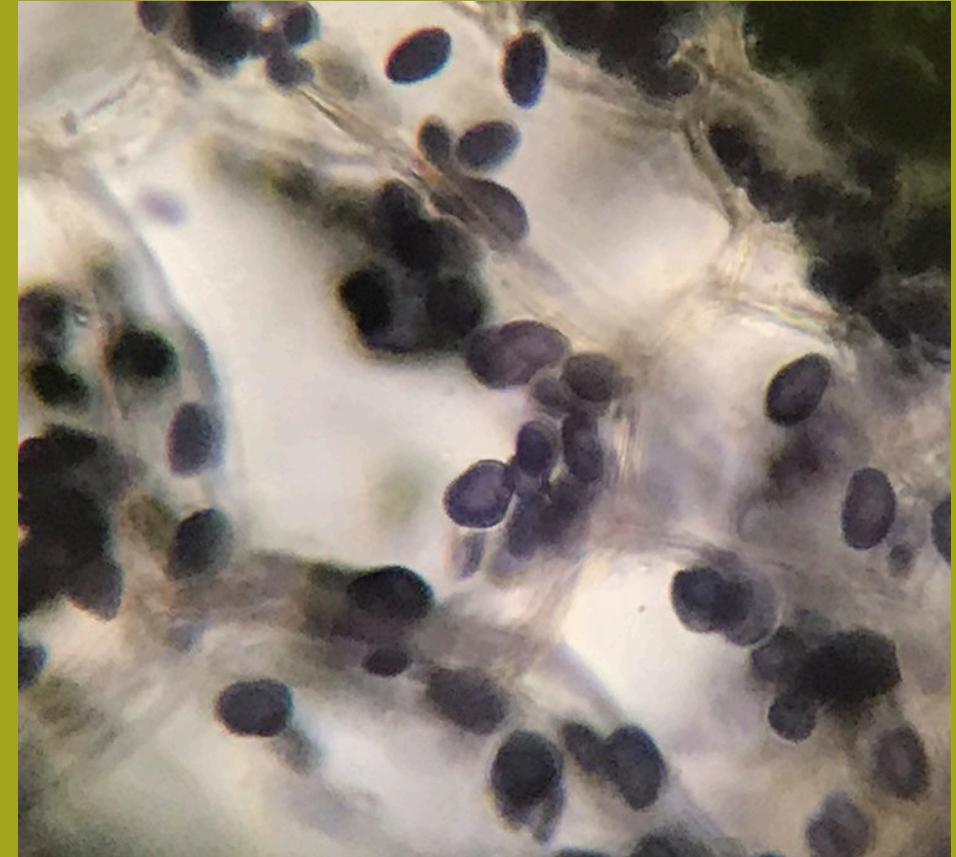
Thallus cross-section

1. *Conocephalum conicum*



Unstained
IKI

Thallus cross-section



Stained with

IKI

1. *Conocephalum conicum*

complex oil body



elongate pits

Thallus cross-section

1. *Conocephalum conicum*



1. *Conocephalum conicum*

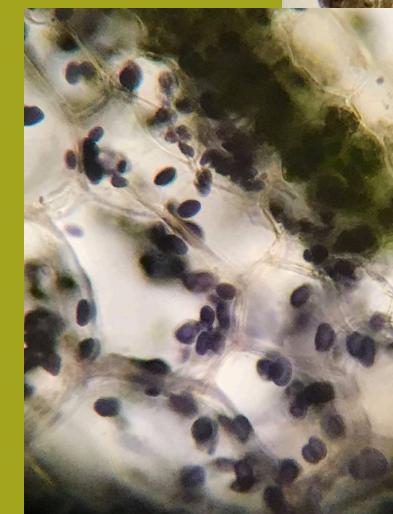
Archegoniophores



1. *Conocephalum conicum*



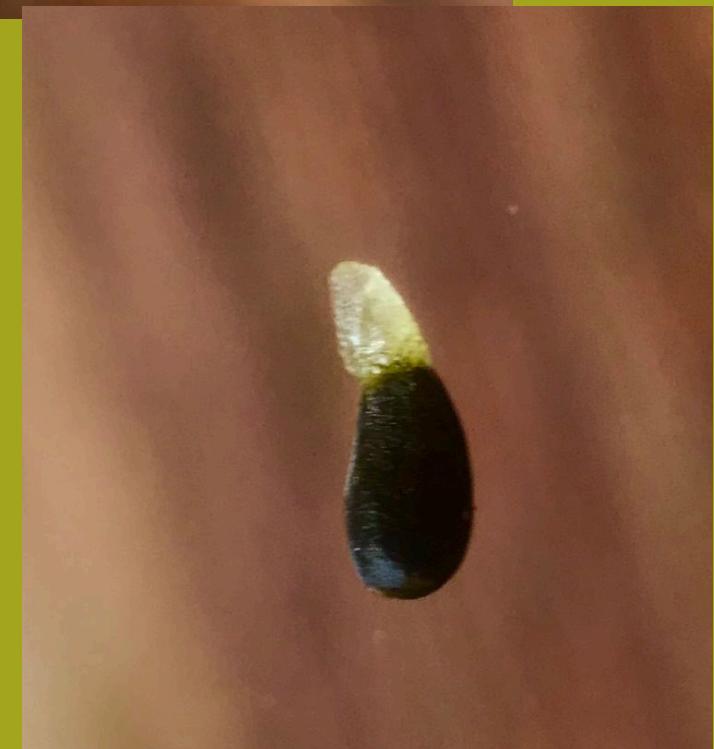
Unstained



Stained with IKI

Archegoniophore stalk cross-section

1. *Conocephalum conicum*



Sporophyte

1. *Conocephalum conicum*



unistratose sporangial jacket



Spores and Elaters

1. *Conocephalum conicum*



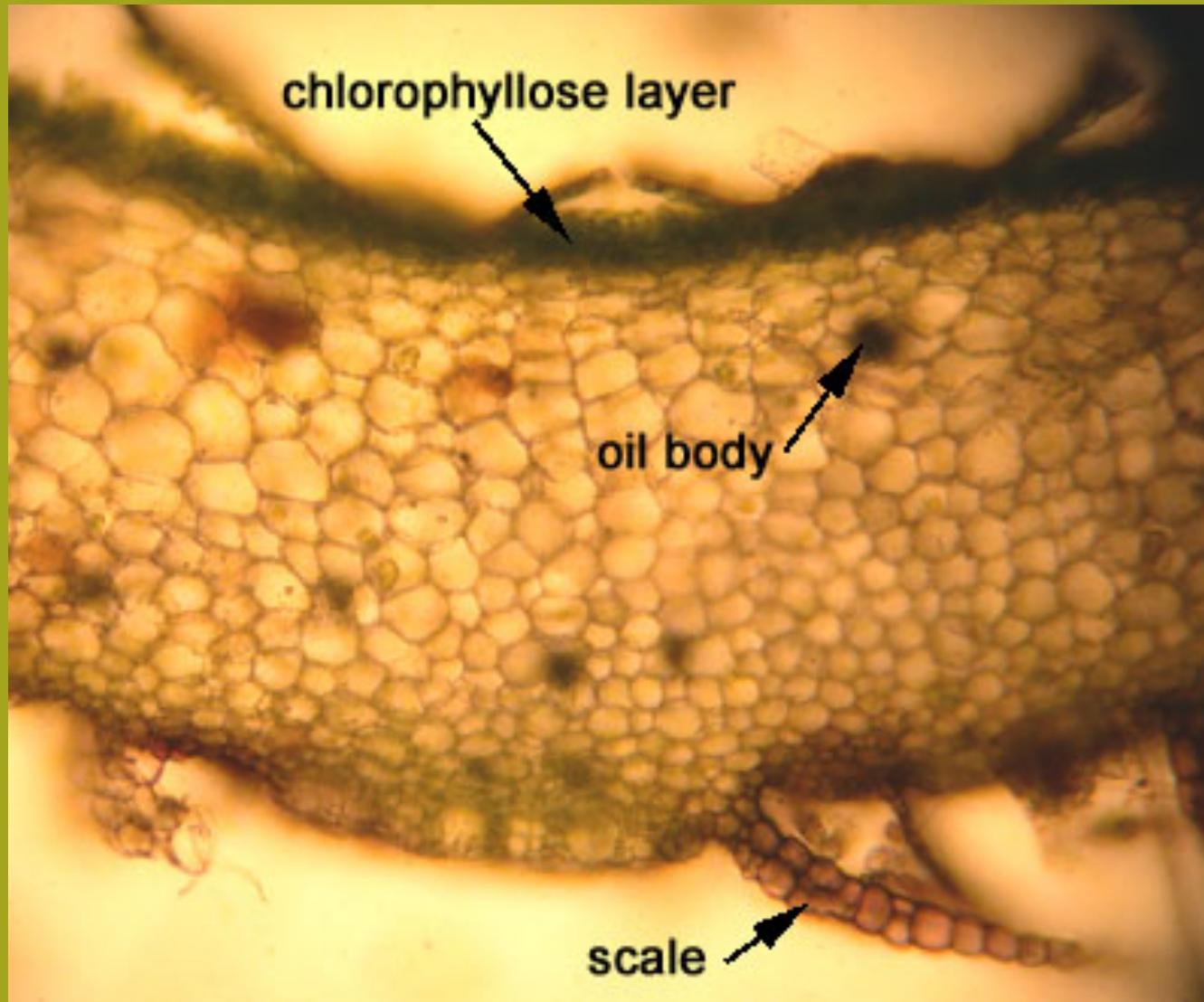
Antheridial Pads



2. *Marchantia polymorpha*

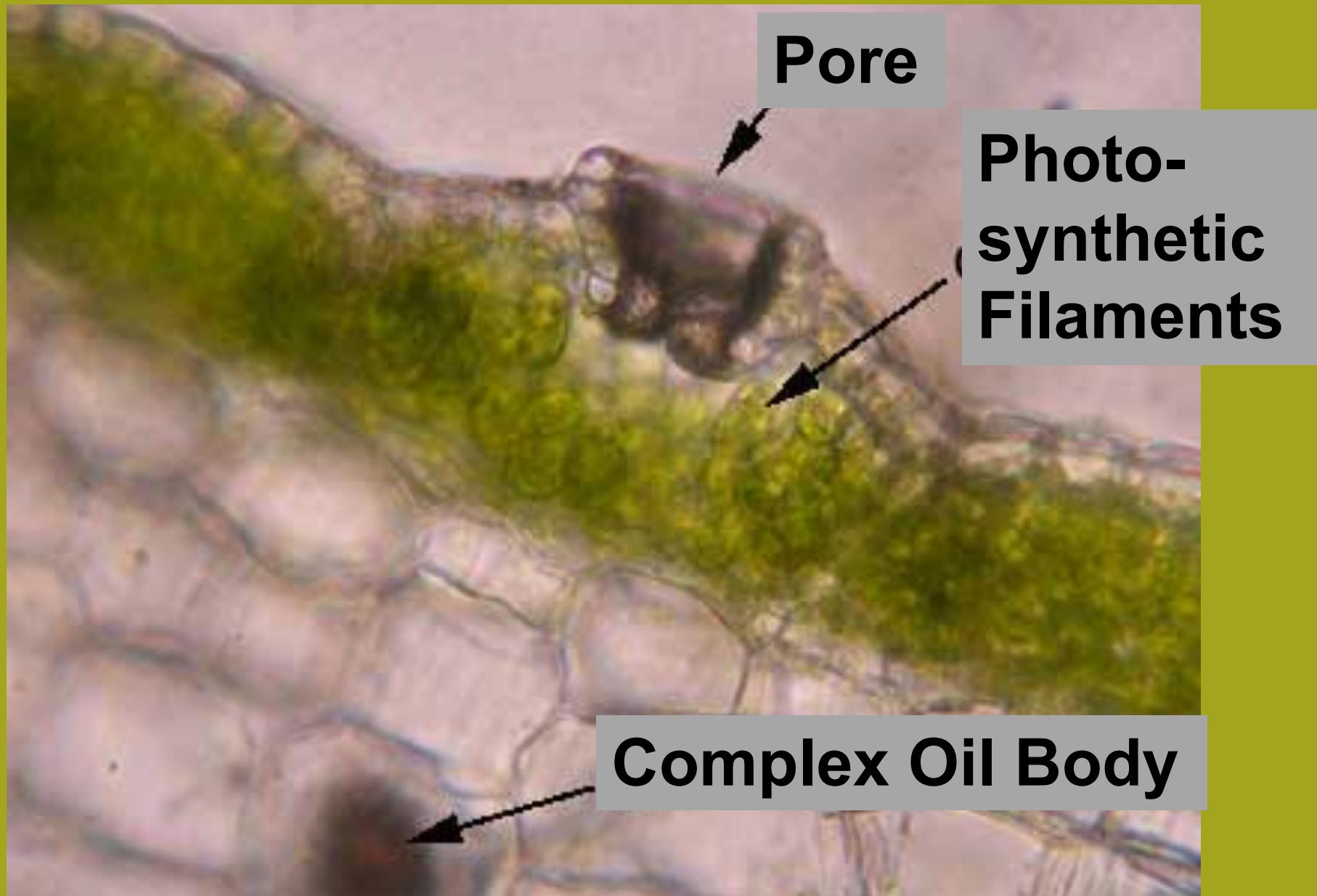


2. *Marchantia polymorpha*



Thallus cross-section

2. Marchantia polymorpha



2. *Marchantia polymorpha*



Ventral side of thallus

2. *Marchantia polymorpha*

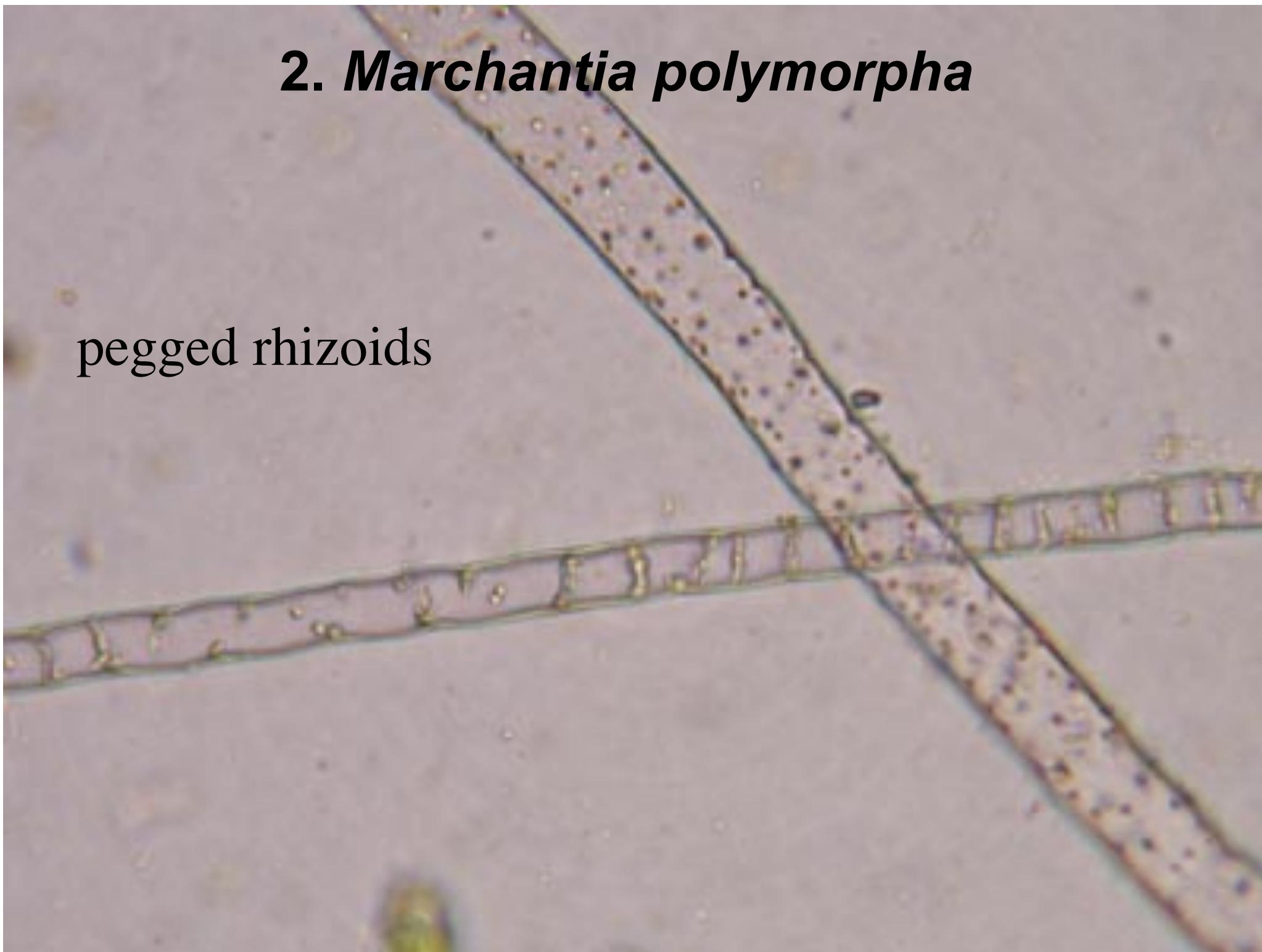
Scale

Rhizoids



2. *Marchantia polymorpha*

pegged rhizoids



2. *Marchantia polymorpha*

