

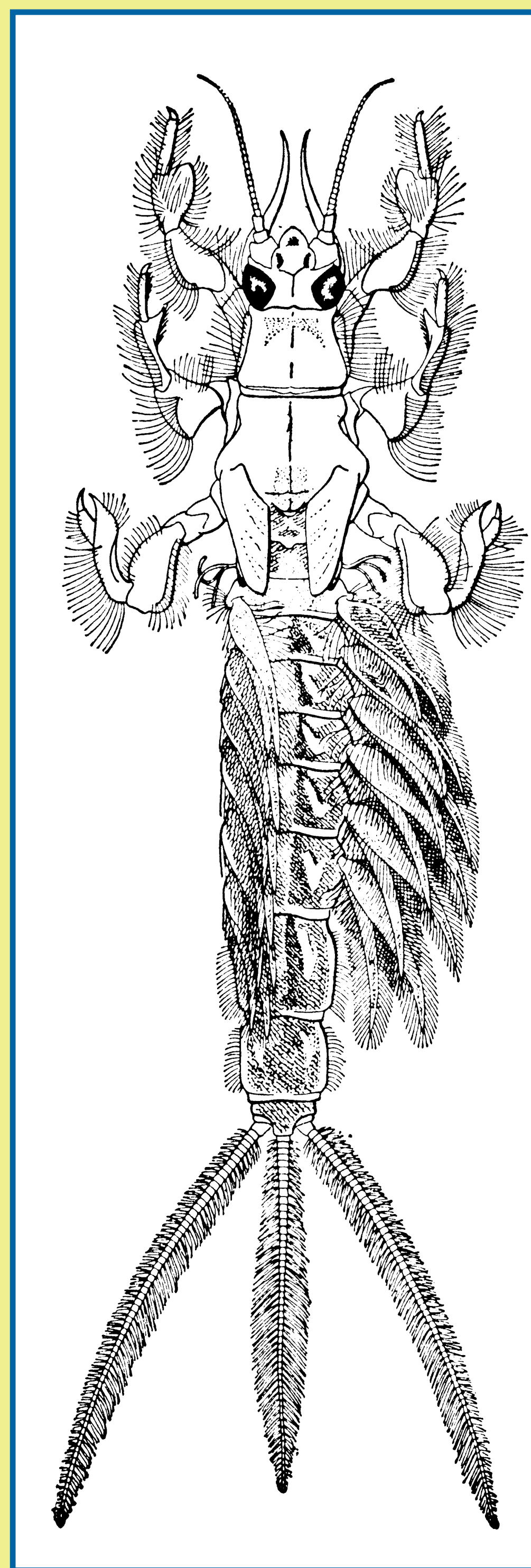
Macroinvertebrates are animals without backbones, like insects and mussels, that are large enough to be seen with the naked eye.

Lake Erie Macroinvertebrates

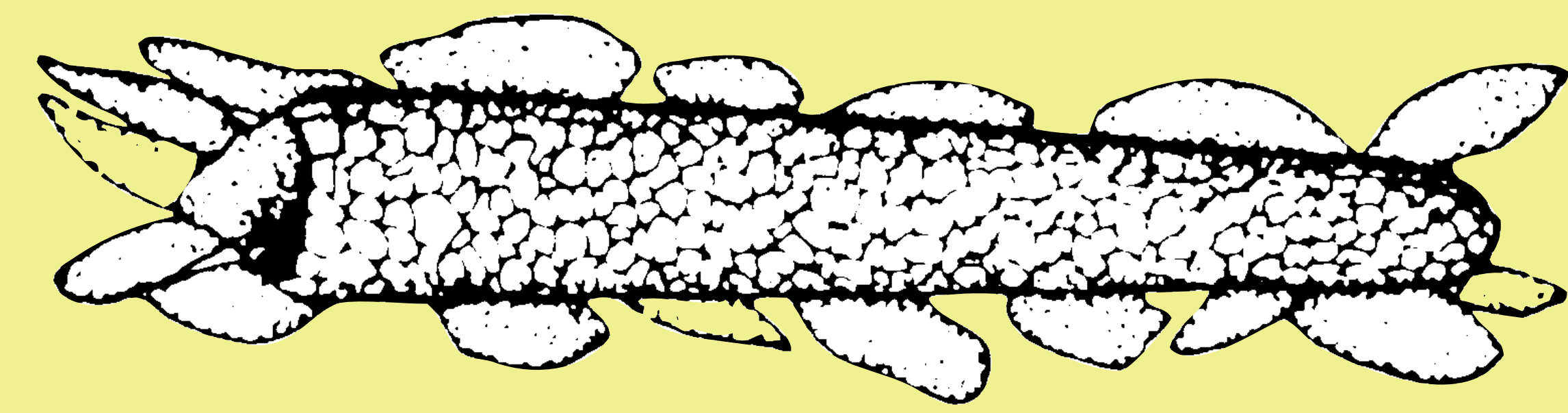
Indicators of Water Quality

Group A

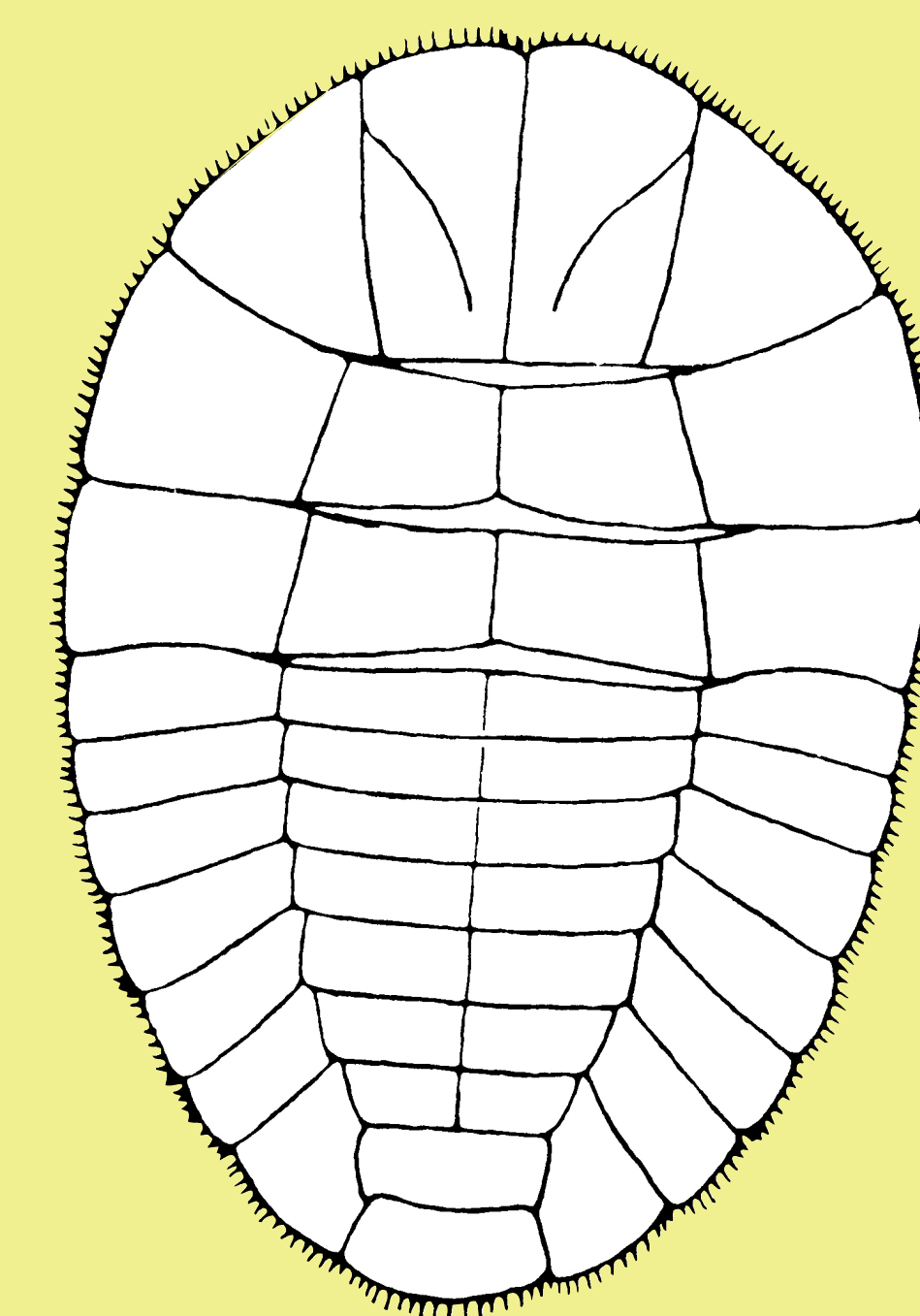
Organisms that need good water quality to survive



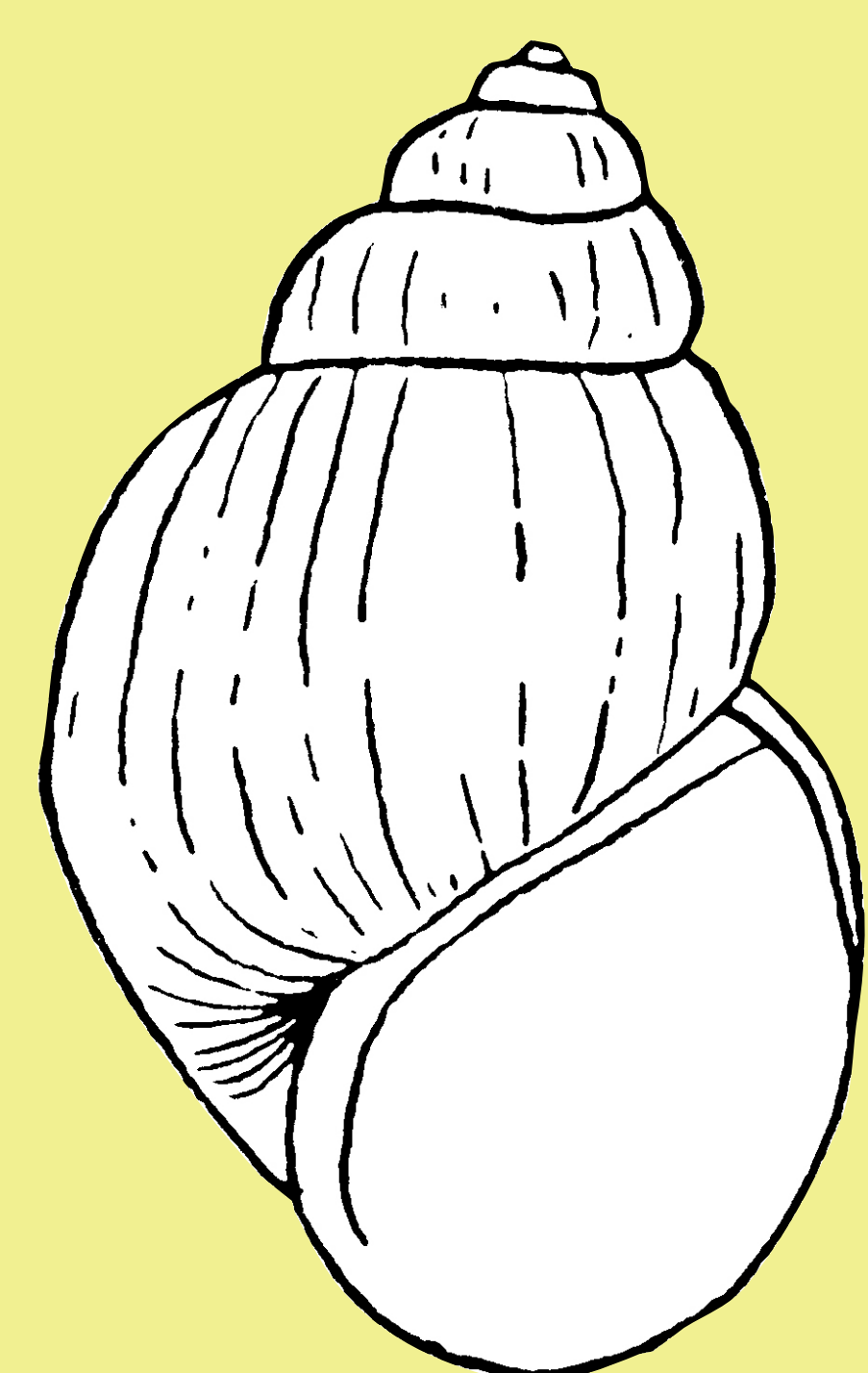
Mayfly nymph



Caddisfly nymph



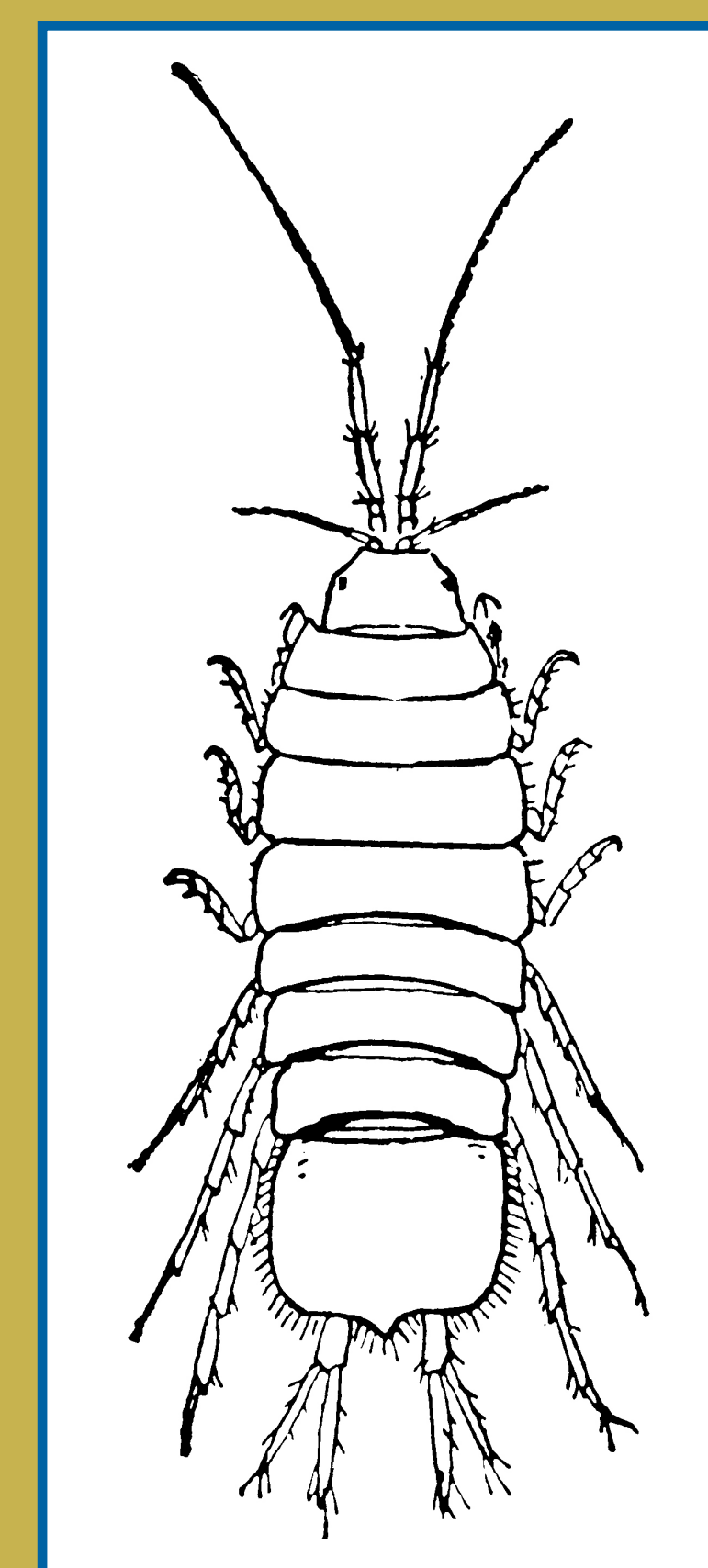
Water penny



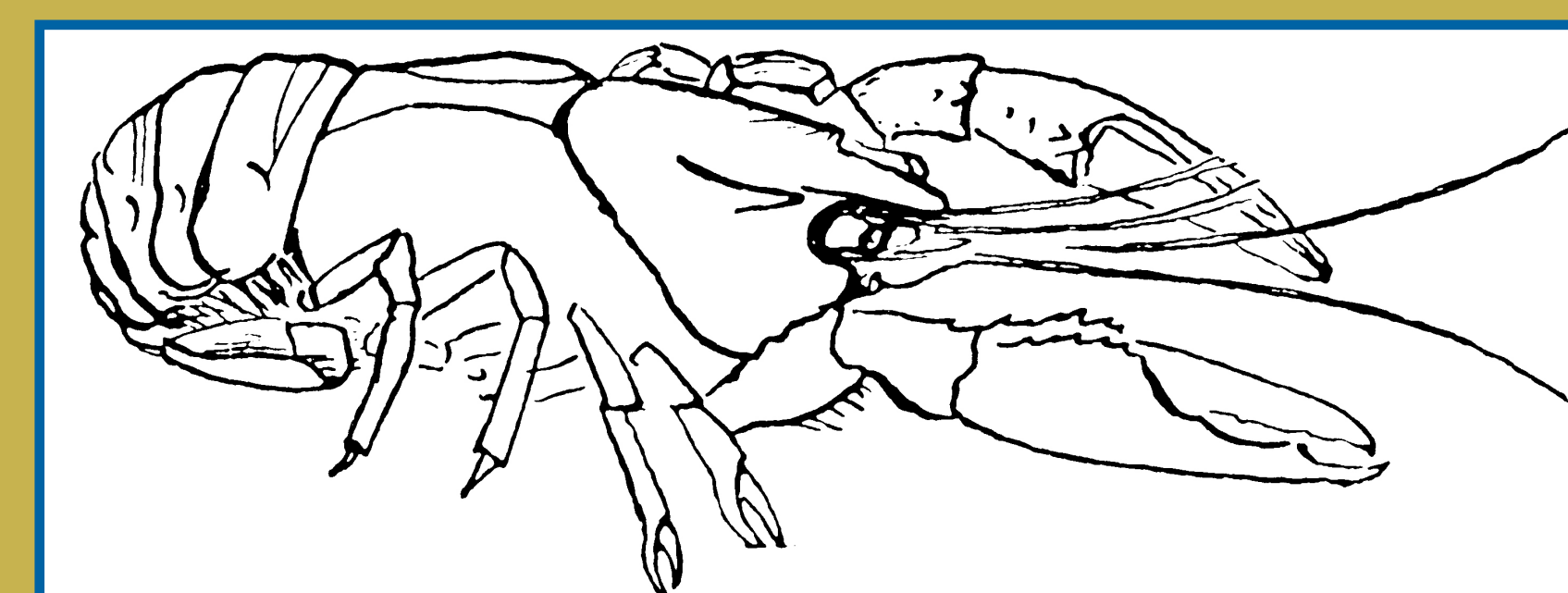
Right-handed gill snail

Group B

Organisms that prefer good water quality but can survive in poorer water quality

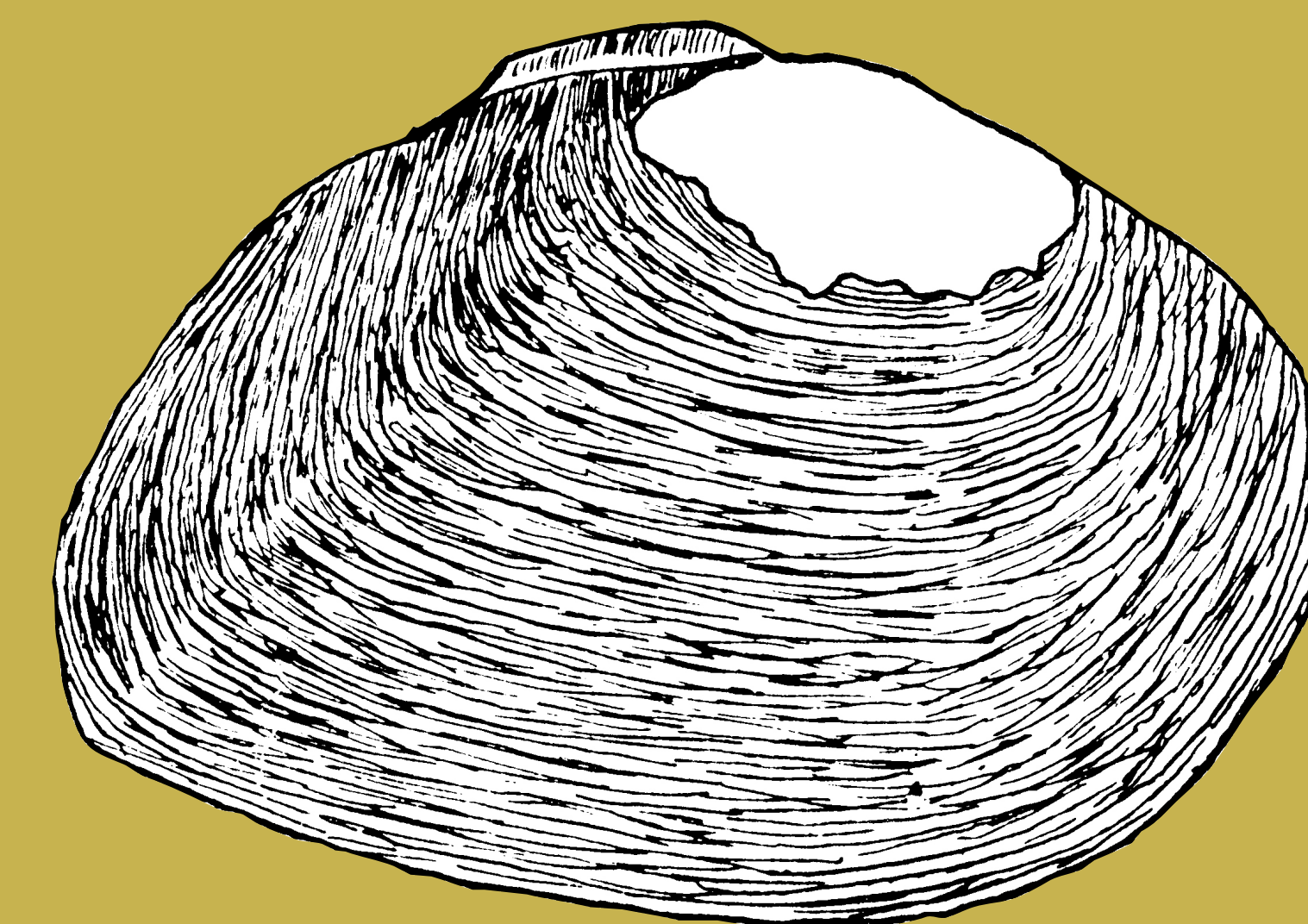


Isopod (sow bug)

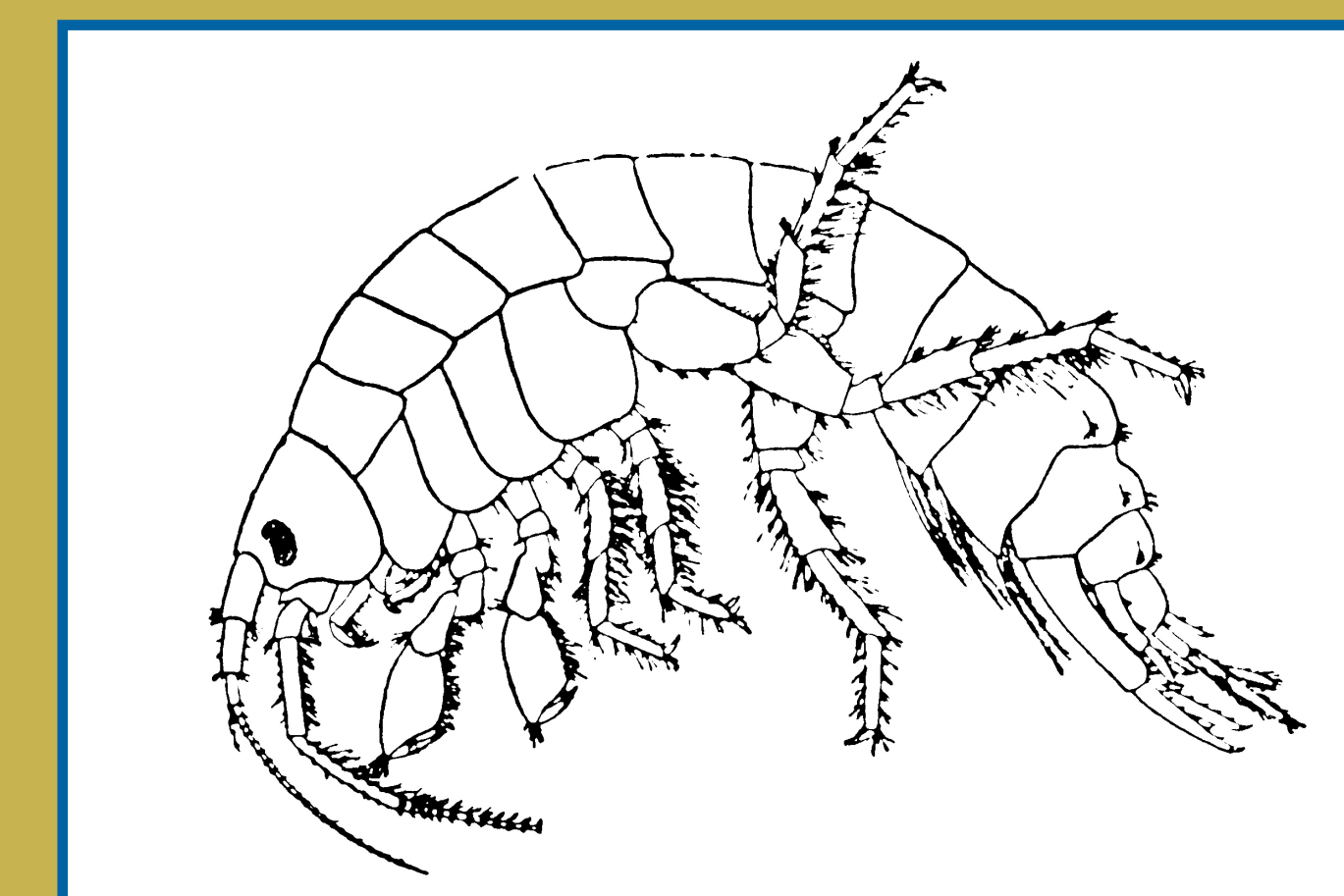


Crayfish

Dreissenid mussel



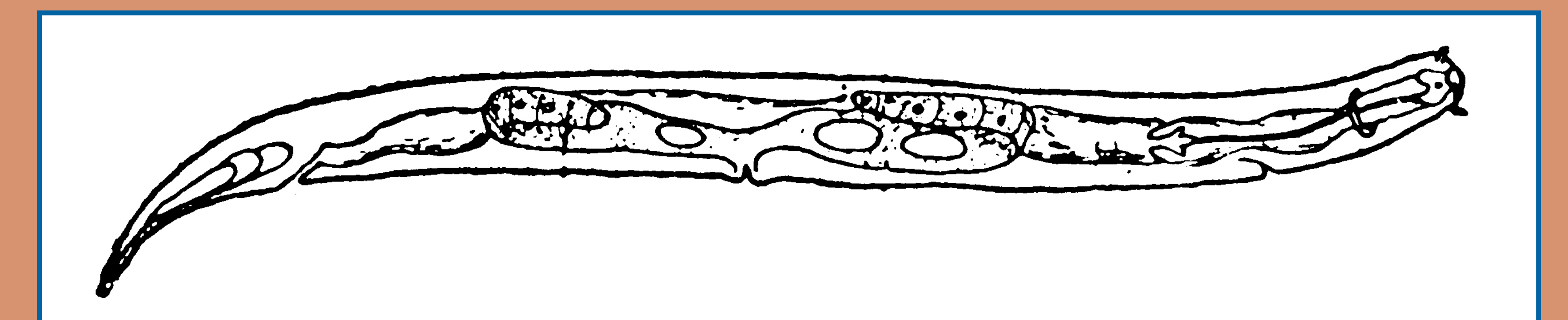
Clam



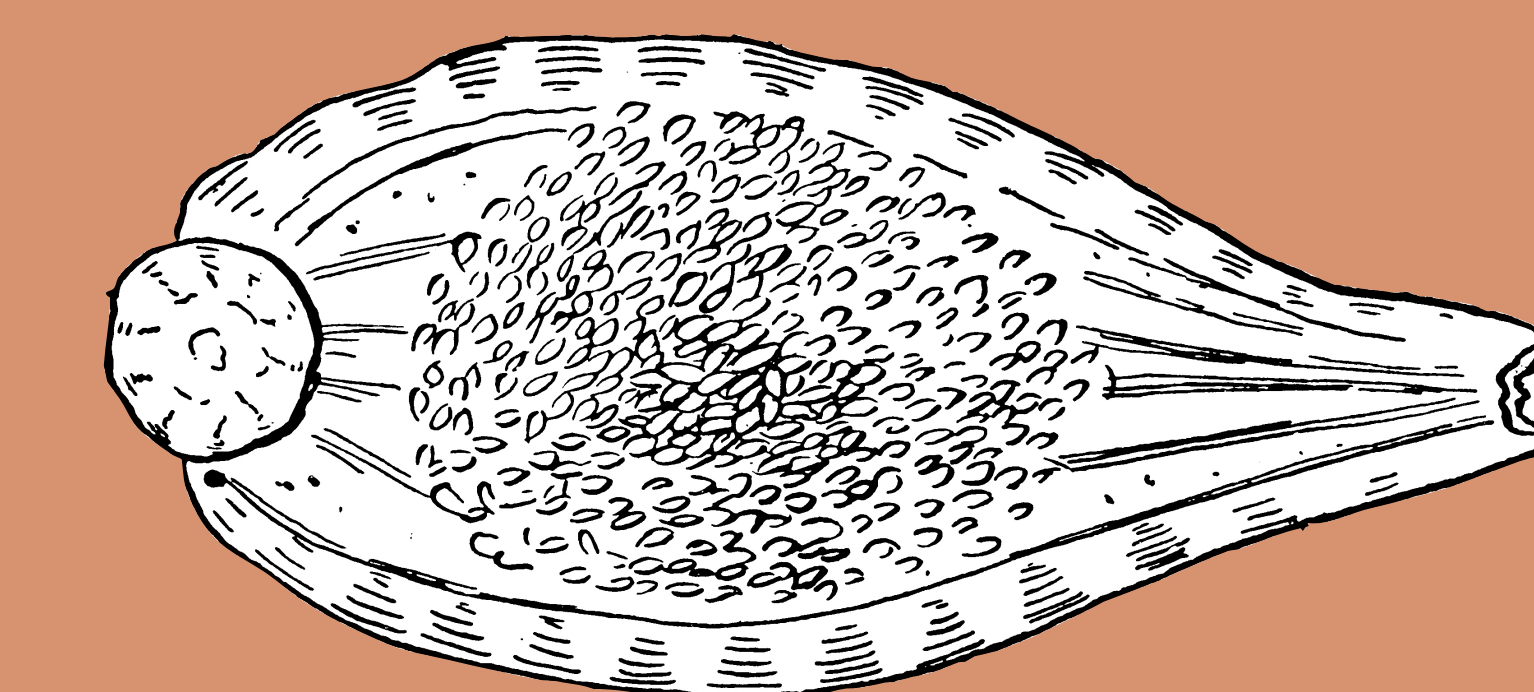
Amphipod (scud)

Group C

Organisms that can survive in poor water quality



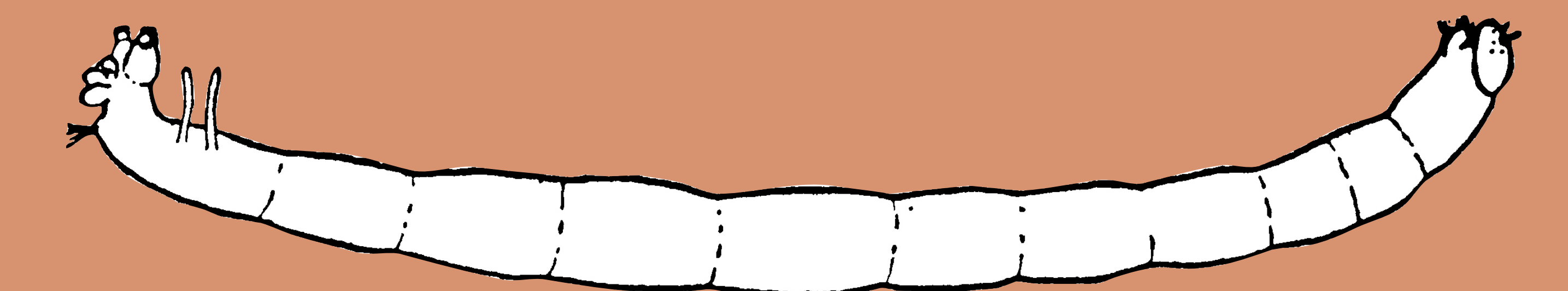
Aquatic worm



Leech



Left-handed pouch snail



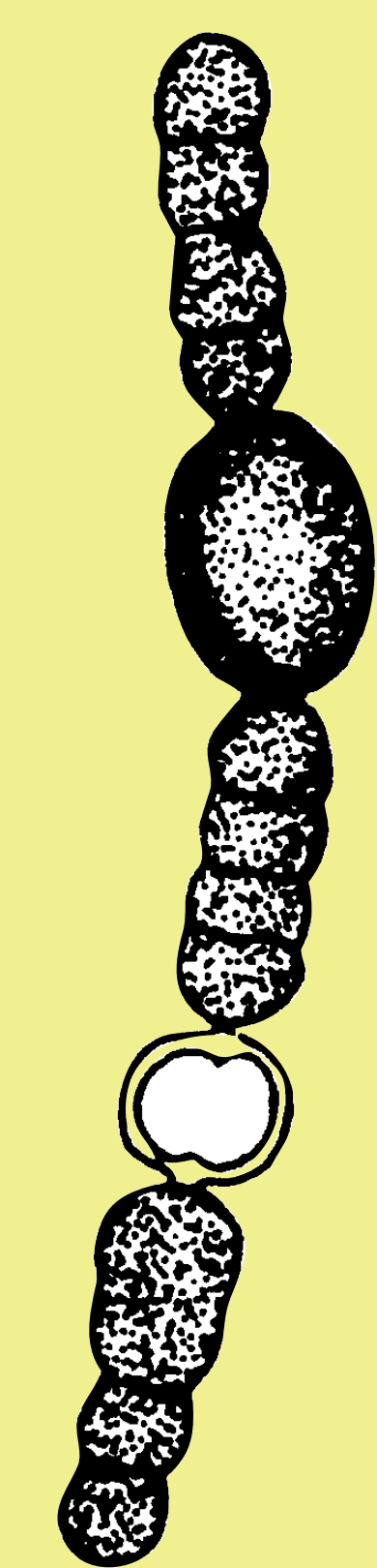
Midge Larva

Phytoplankton are microscopic plants in the water that use sunlight to make energy.

Common Plankton of Lake Erie

Phytoplankton

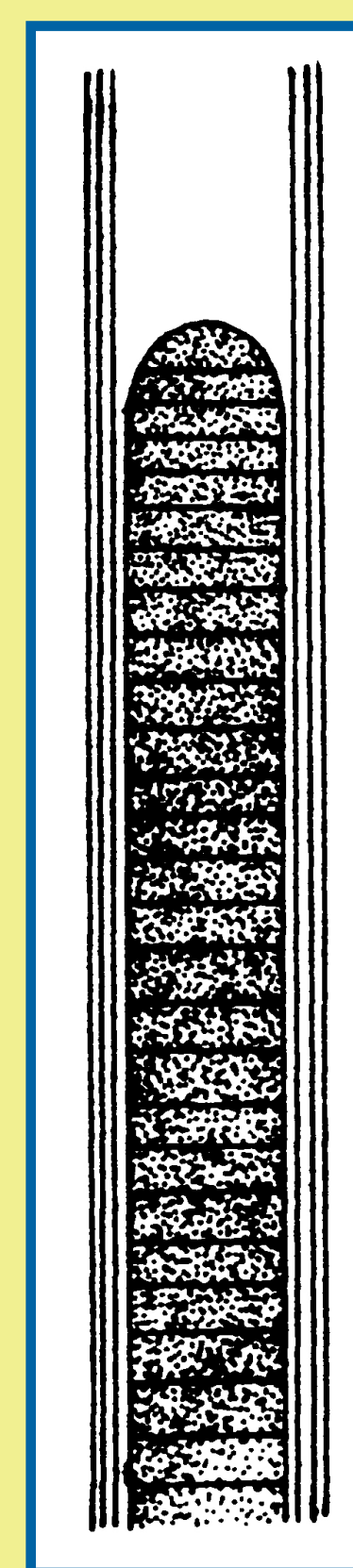
Blue-Green Algae



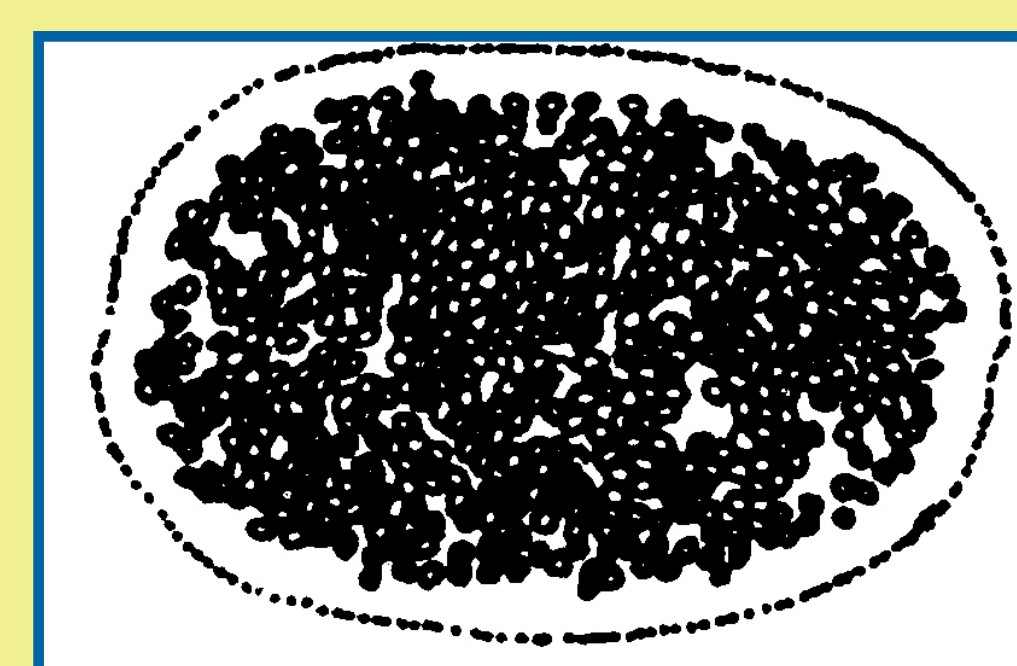
Anabaena



Spirulina



Plectonema

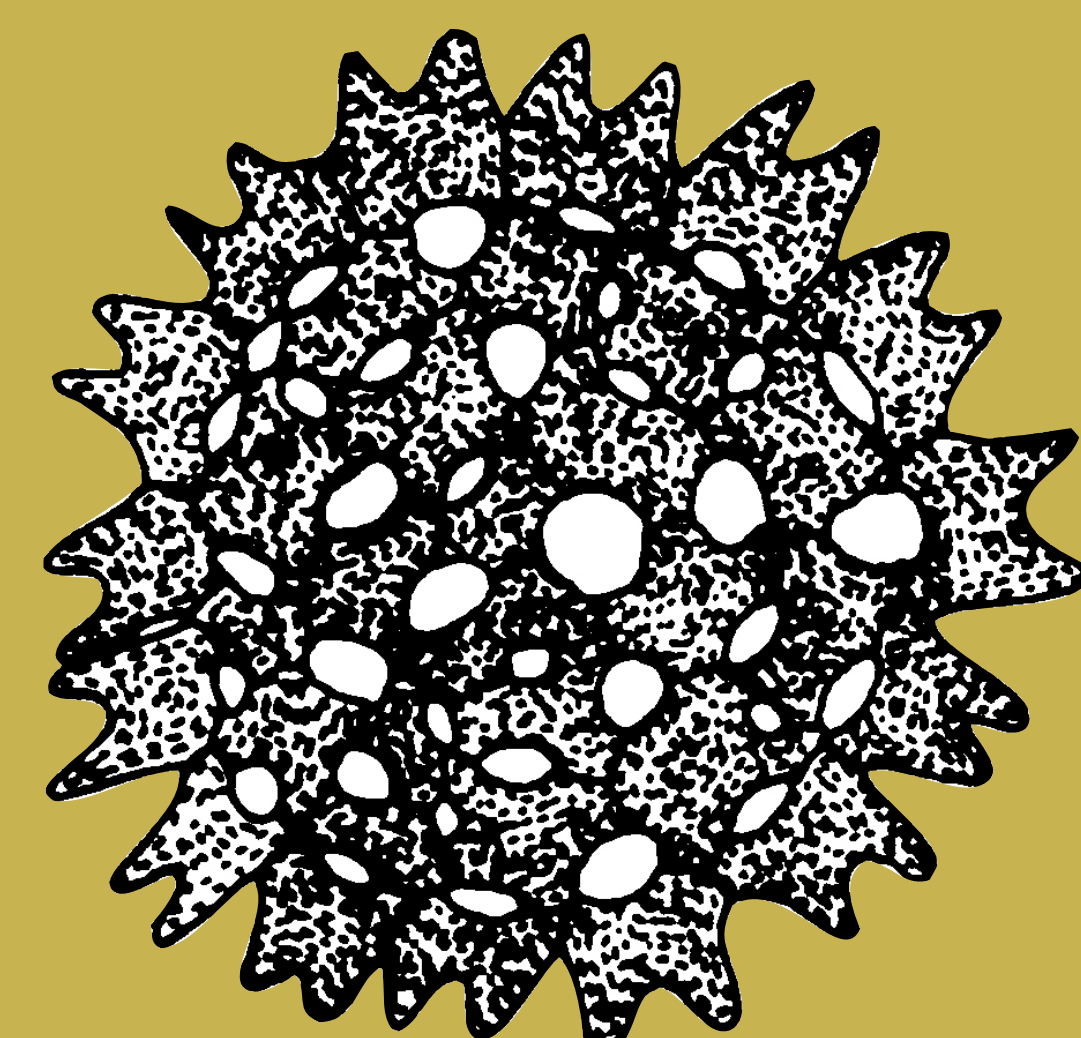


Microsystis

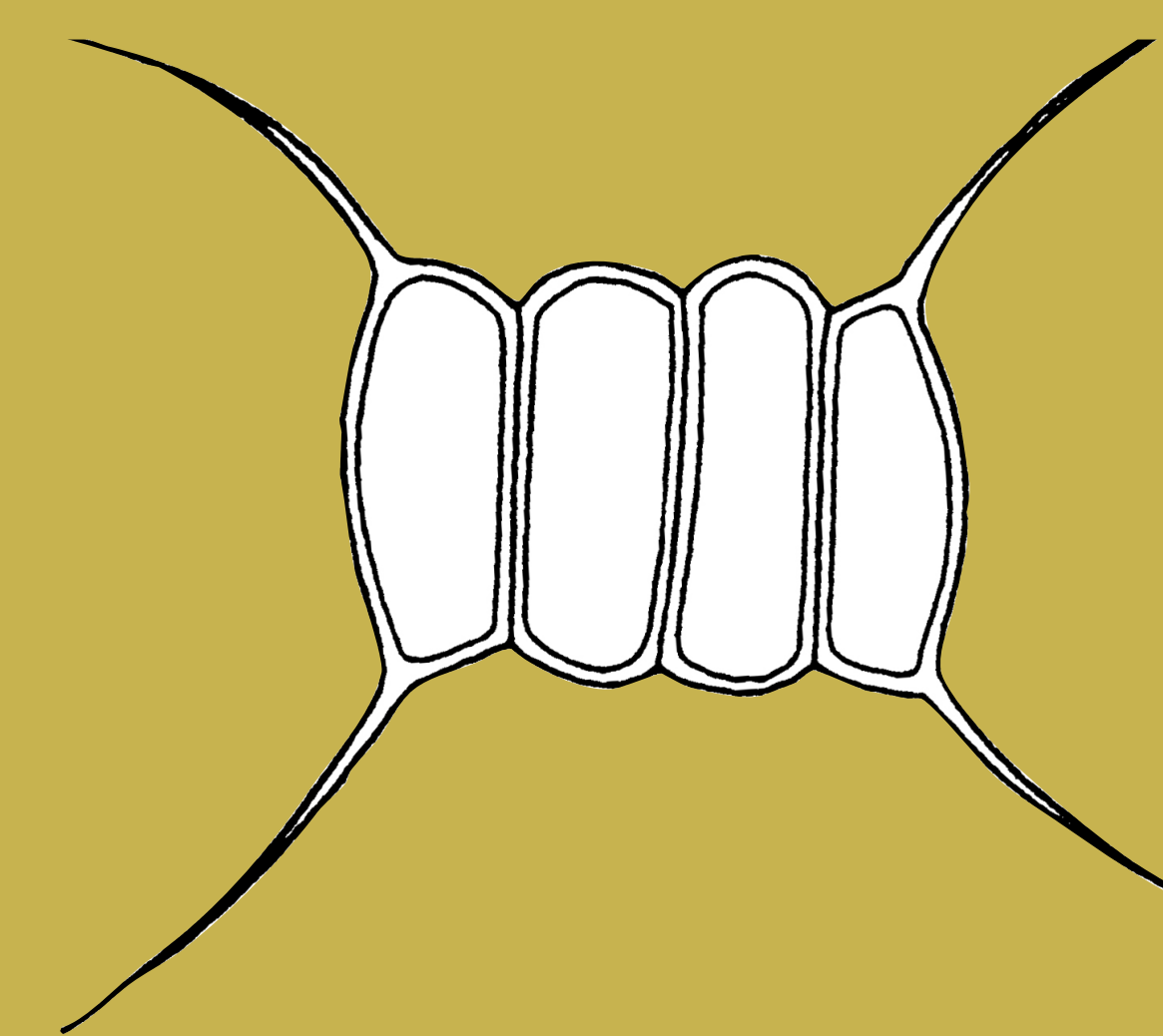


Aphanizomenon

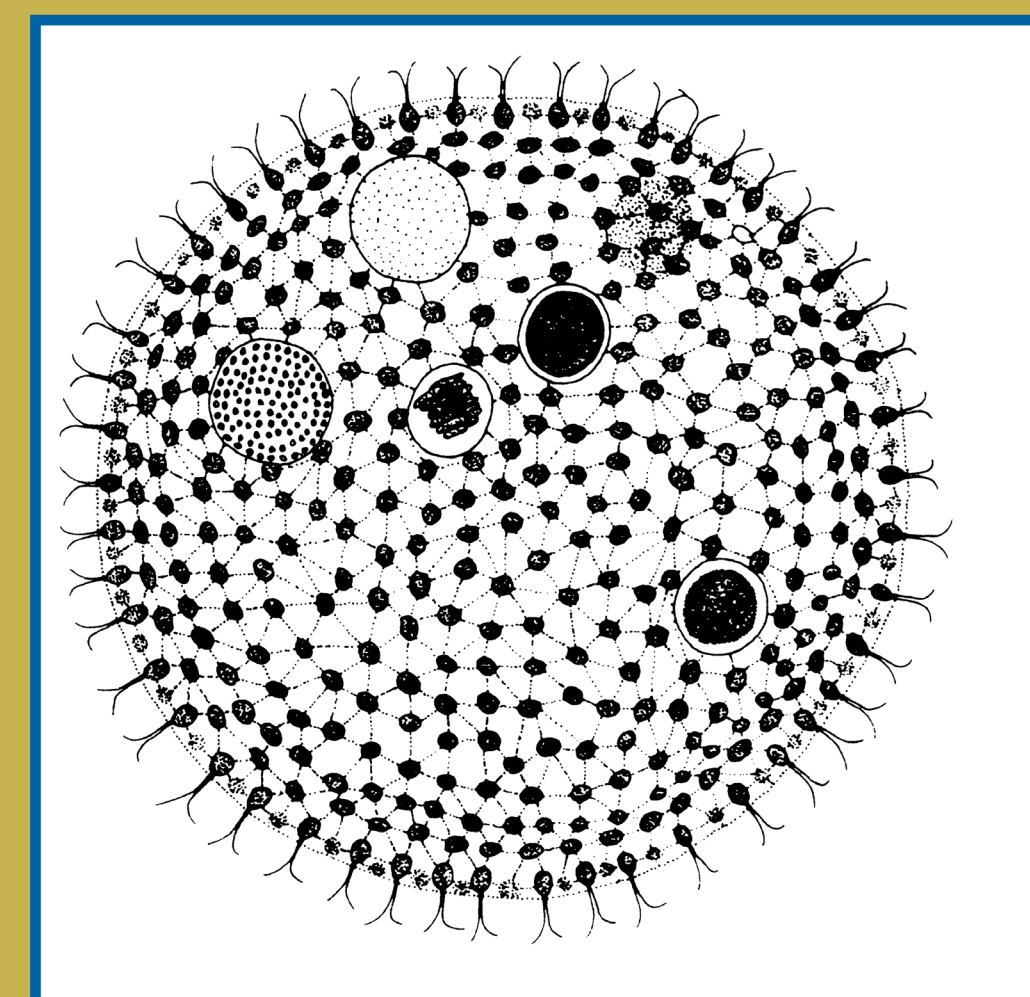
Green Algae



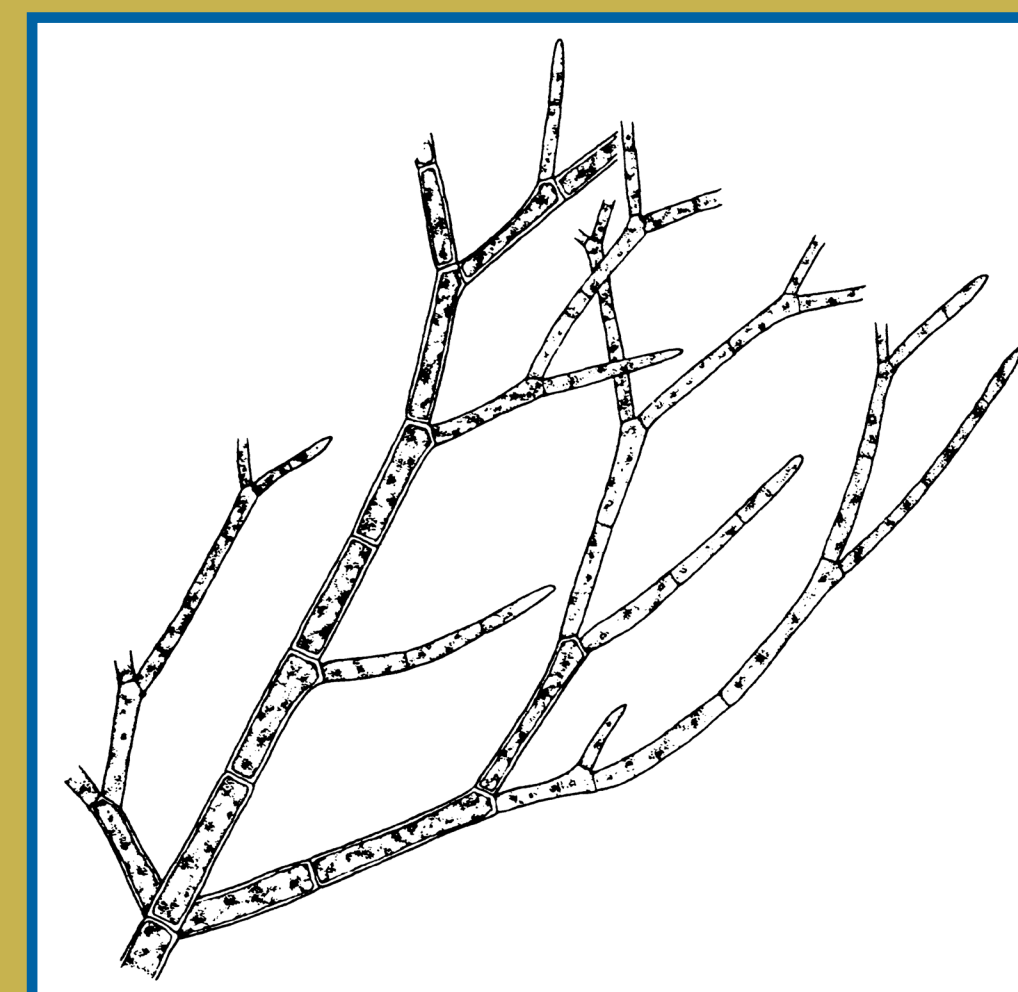
Pediastrum



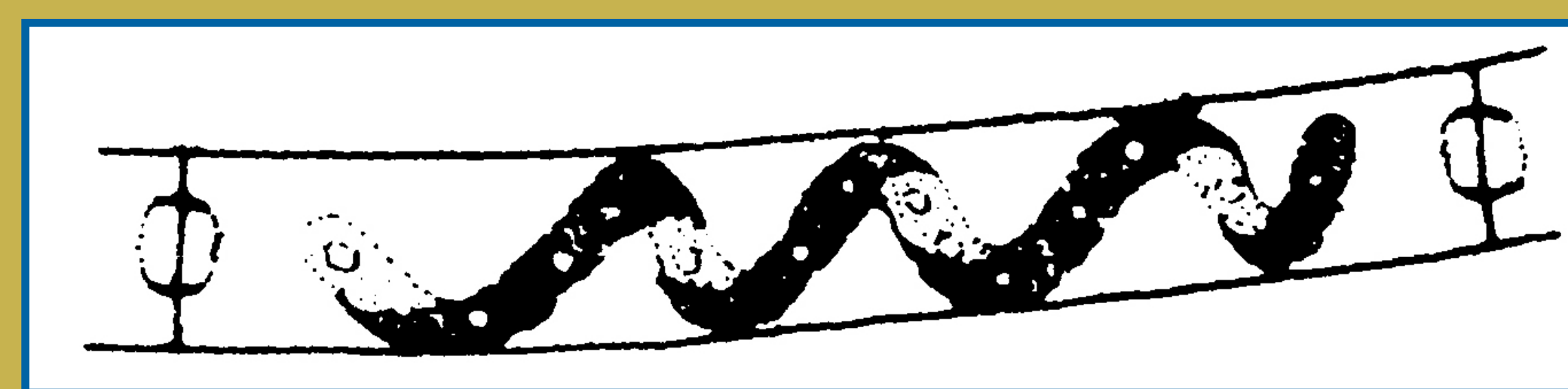
Scenedesmus



Volvox

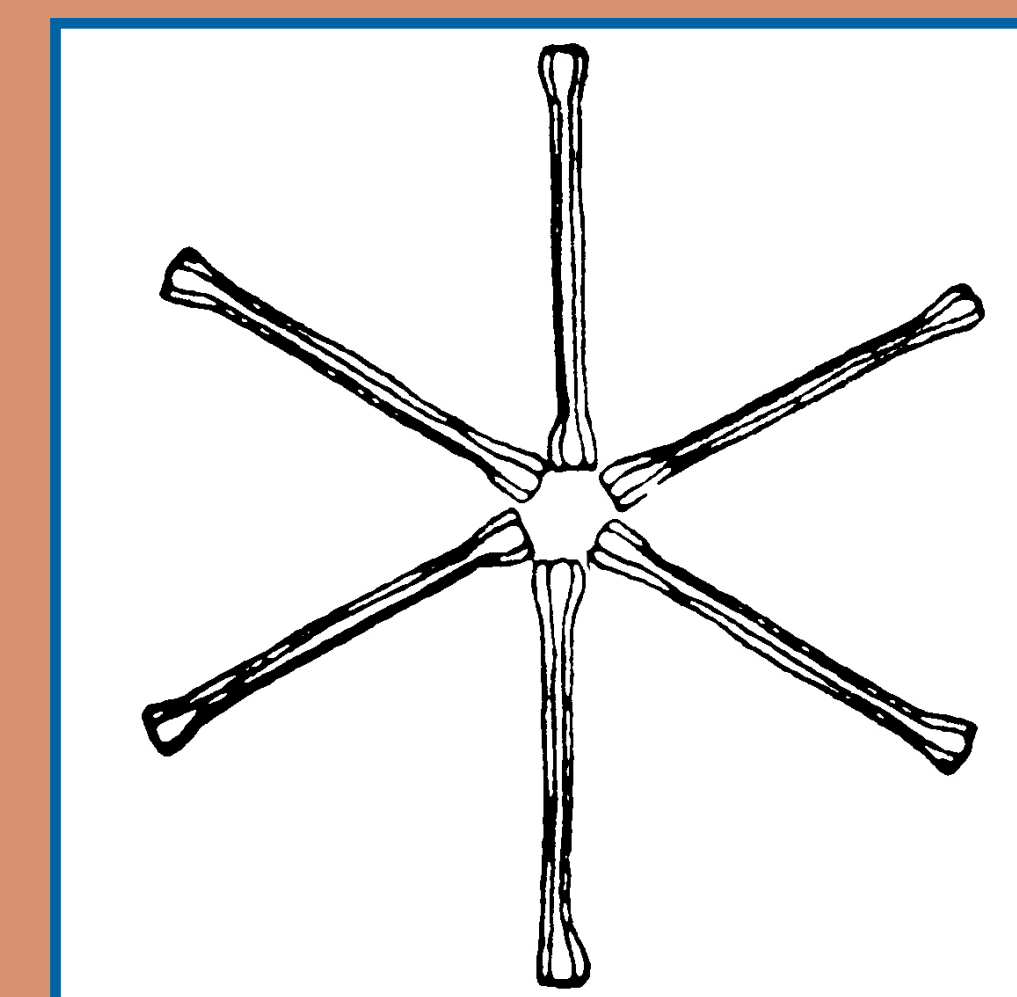


Cladophora

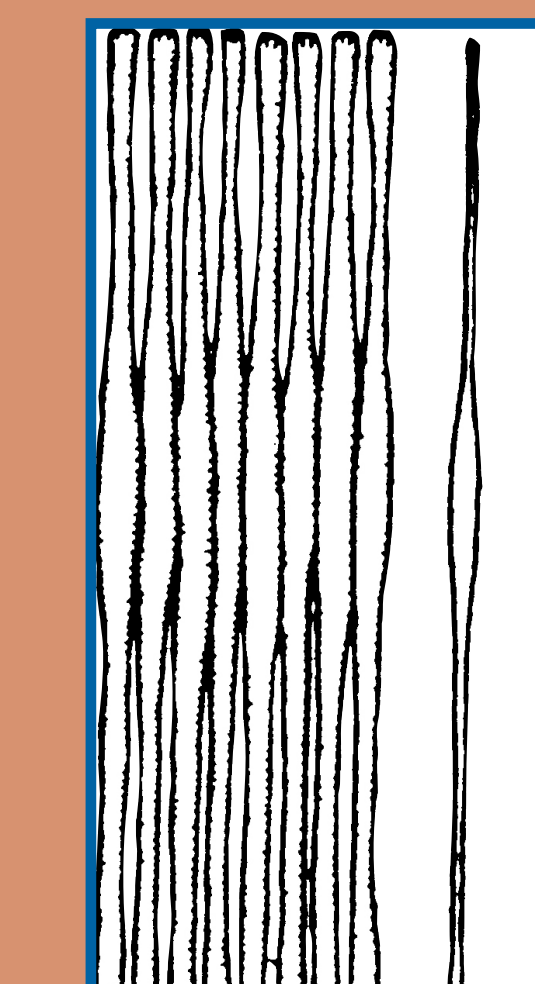


Spyrogira

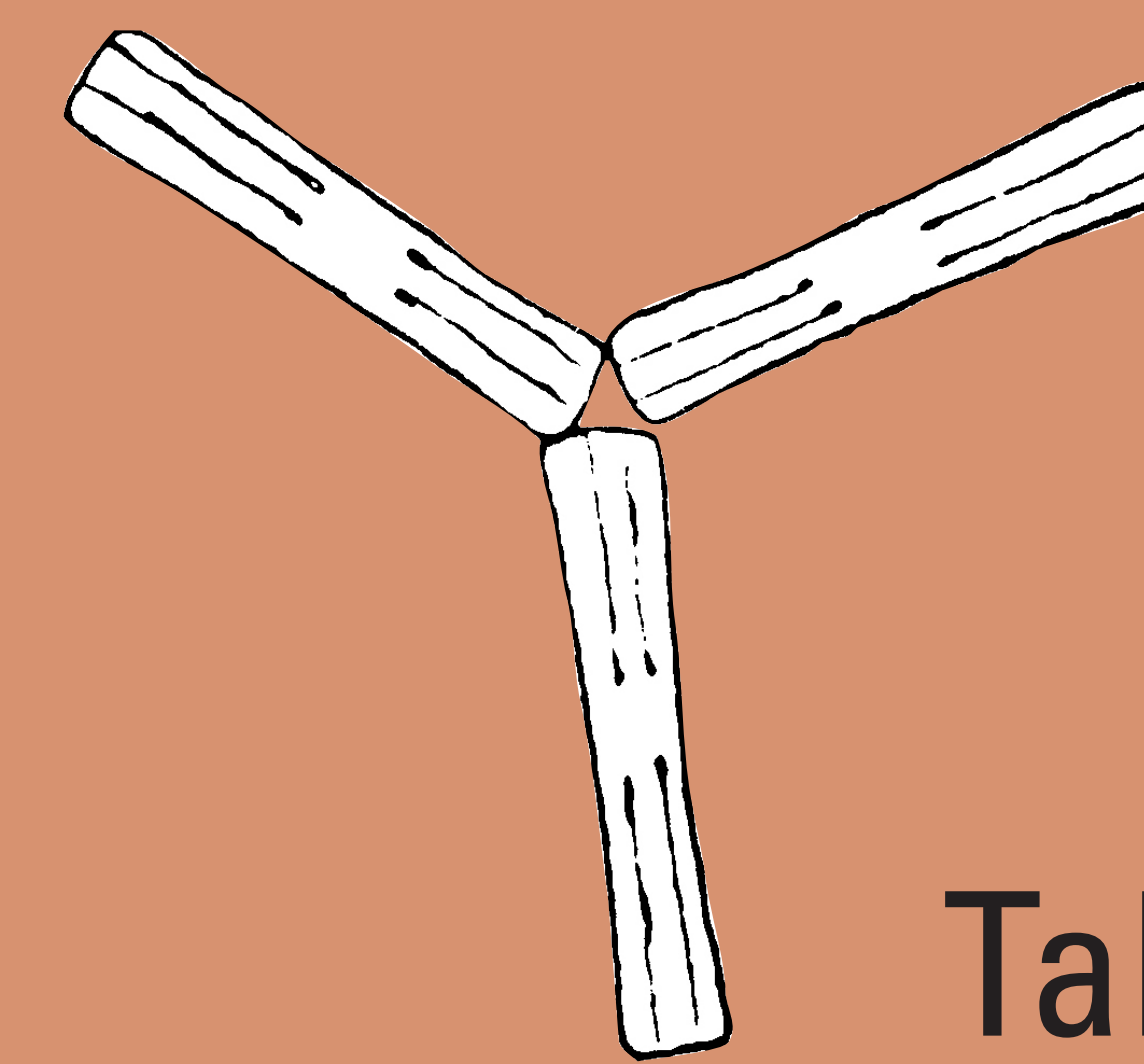
Diatoms



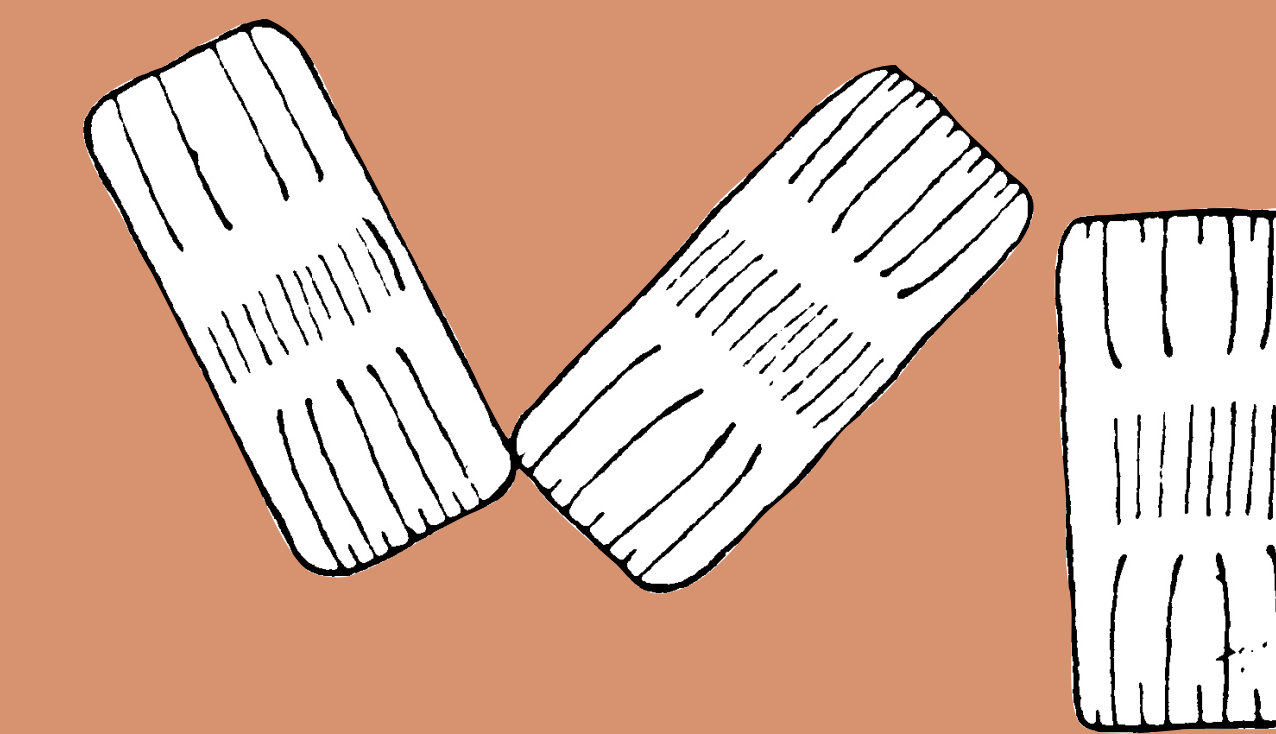
Asterionella



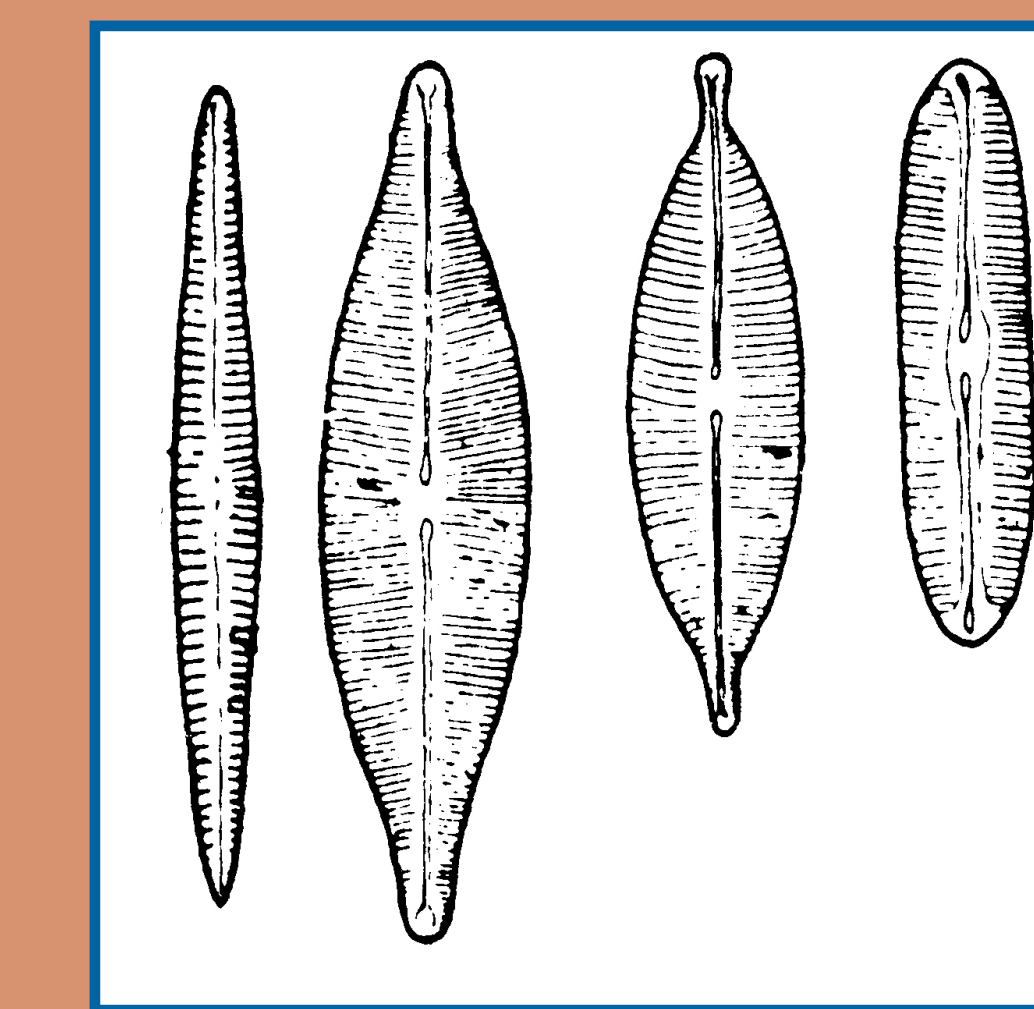
Fragellaria



Tabellaria

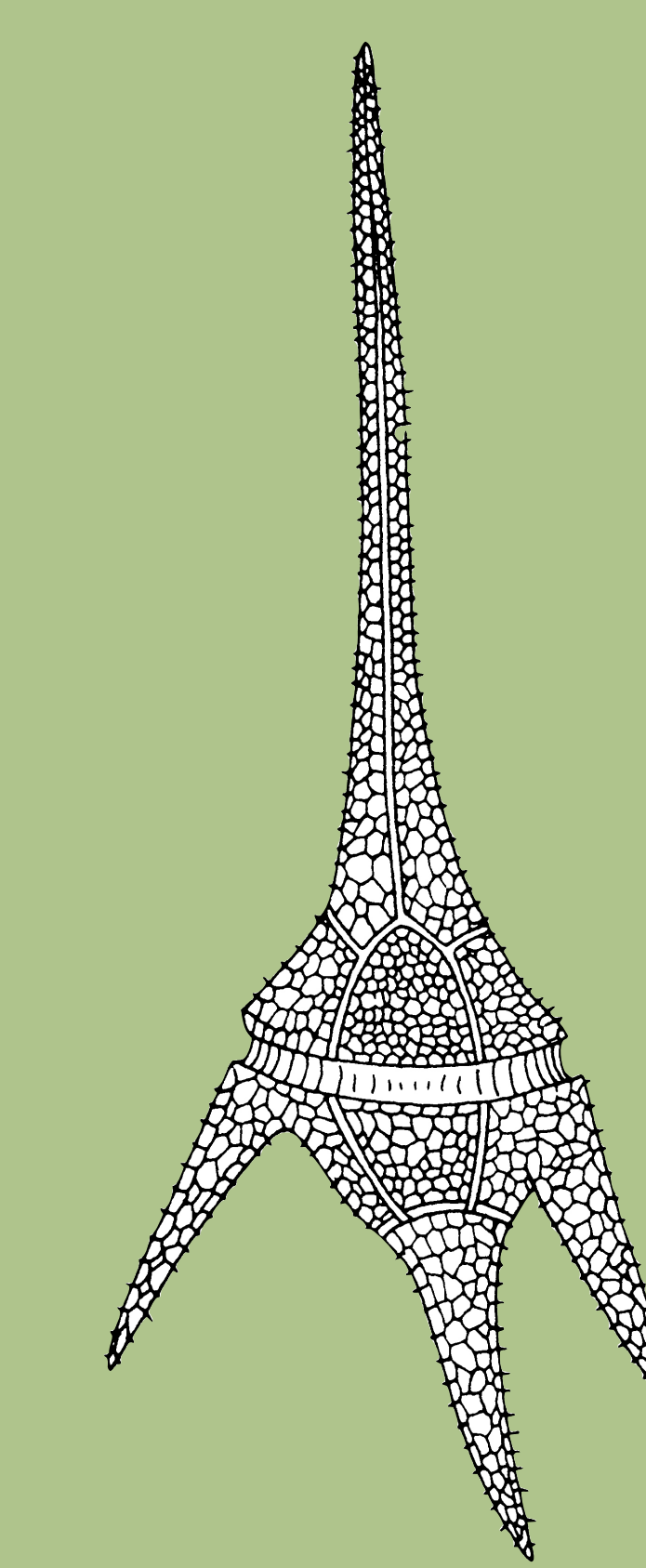


Melosira



Navicula

Dinoflagellates



Ceratium



Gymnodinium

Cryptomonas



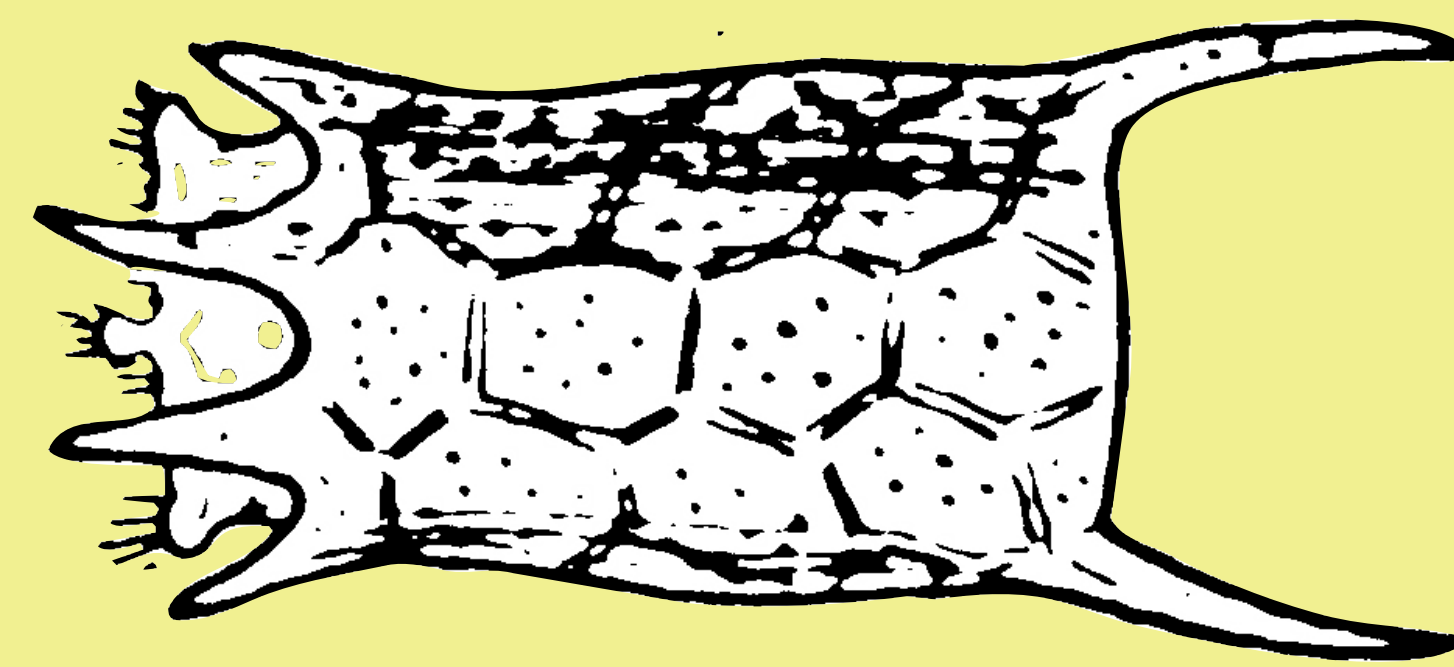
Cryptomonas

*Zooplankton are microscopic animals
in the water that eat phytoplankton.*

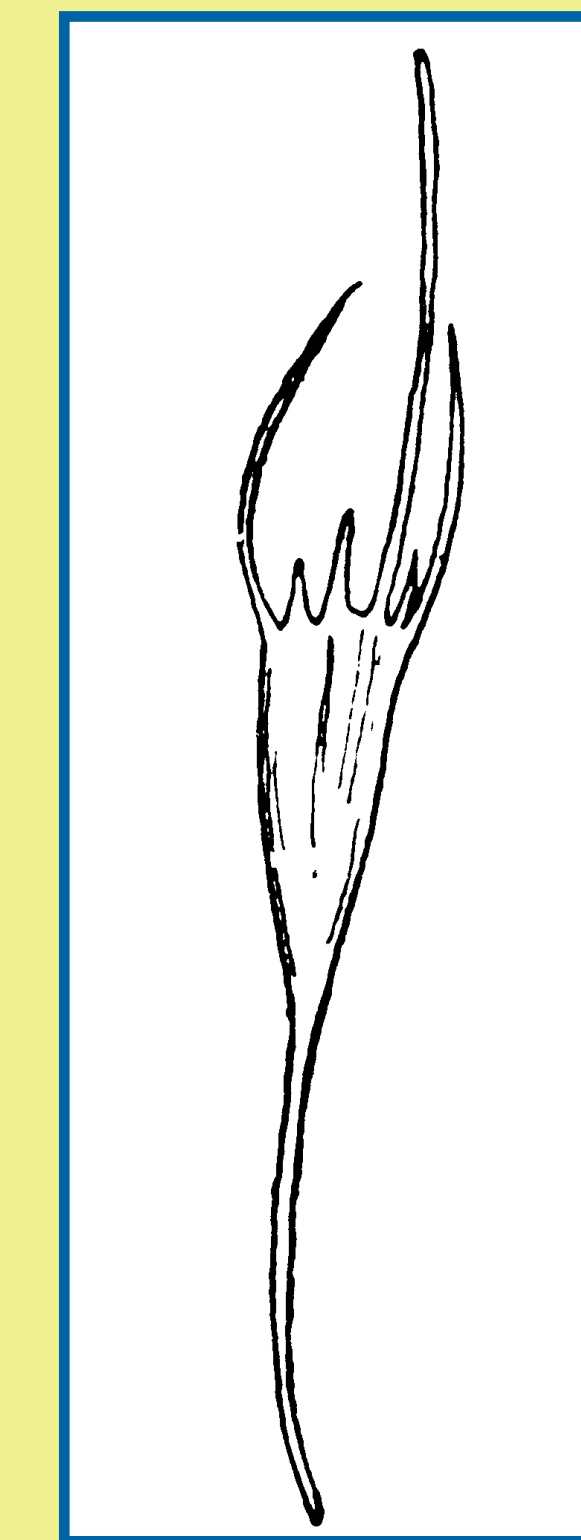
Common Plankton of Lake Erie

Zooplankton

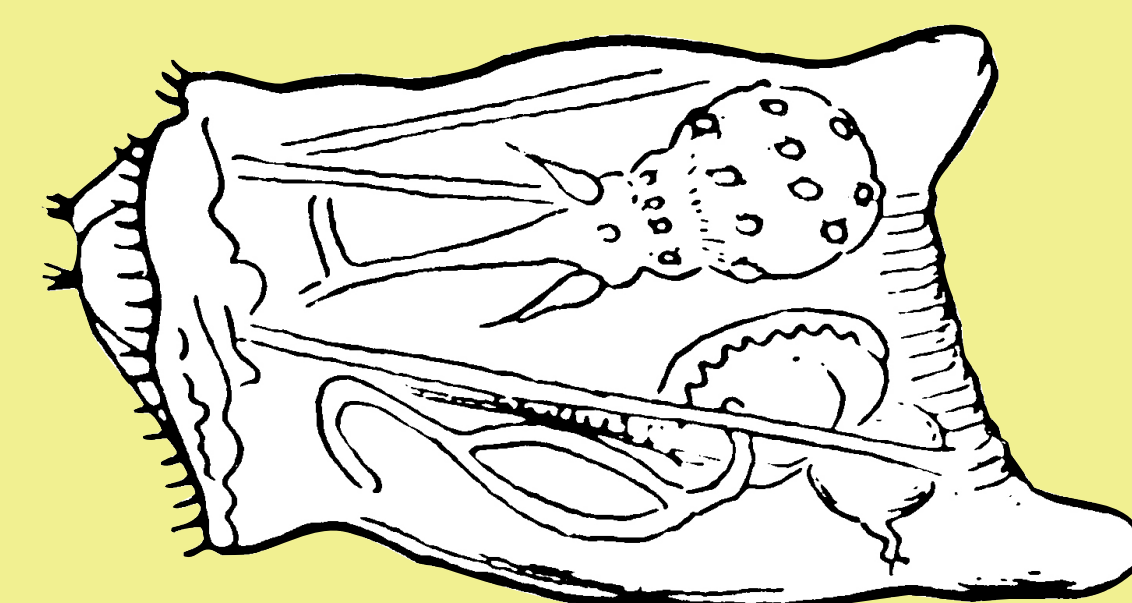
Rotifers



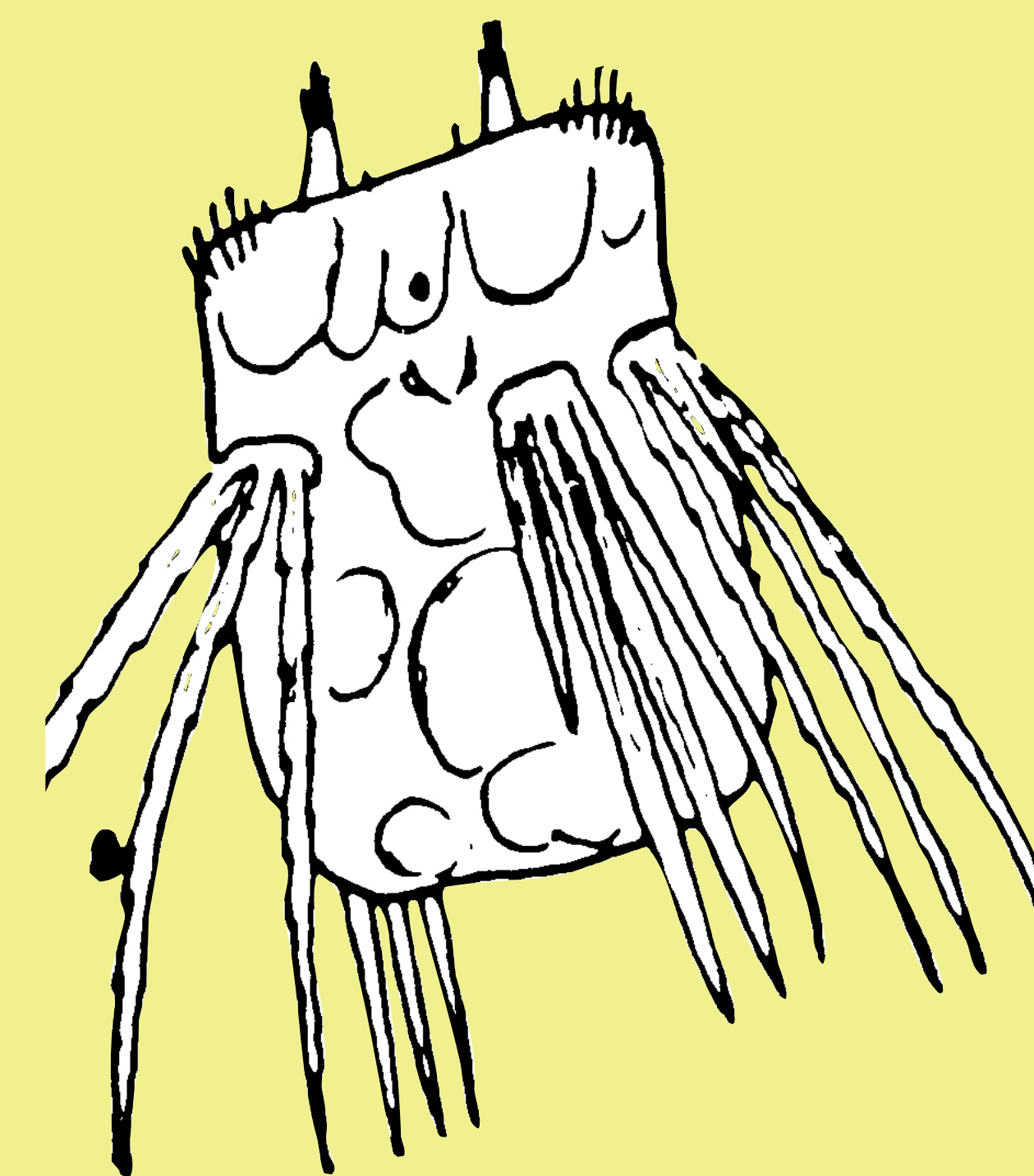
Keratella



Kellicottia



Asplanchna

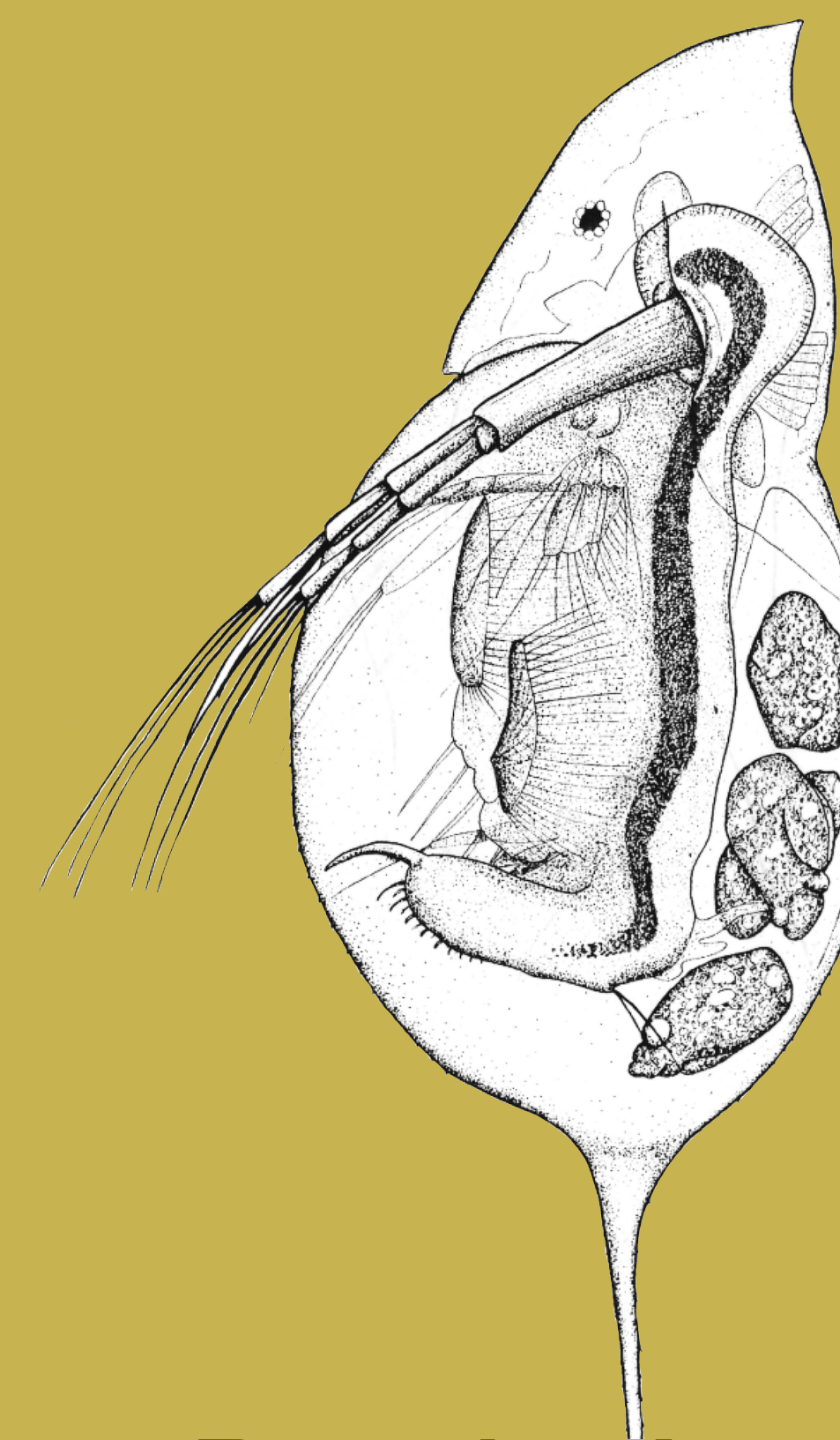


Polyarthra

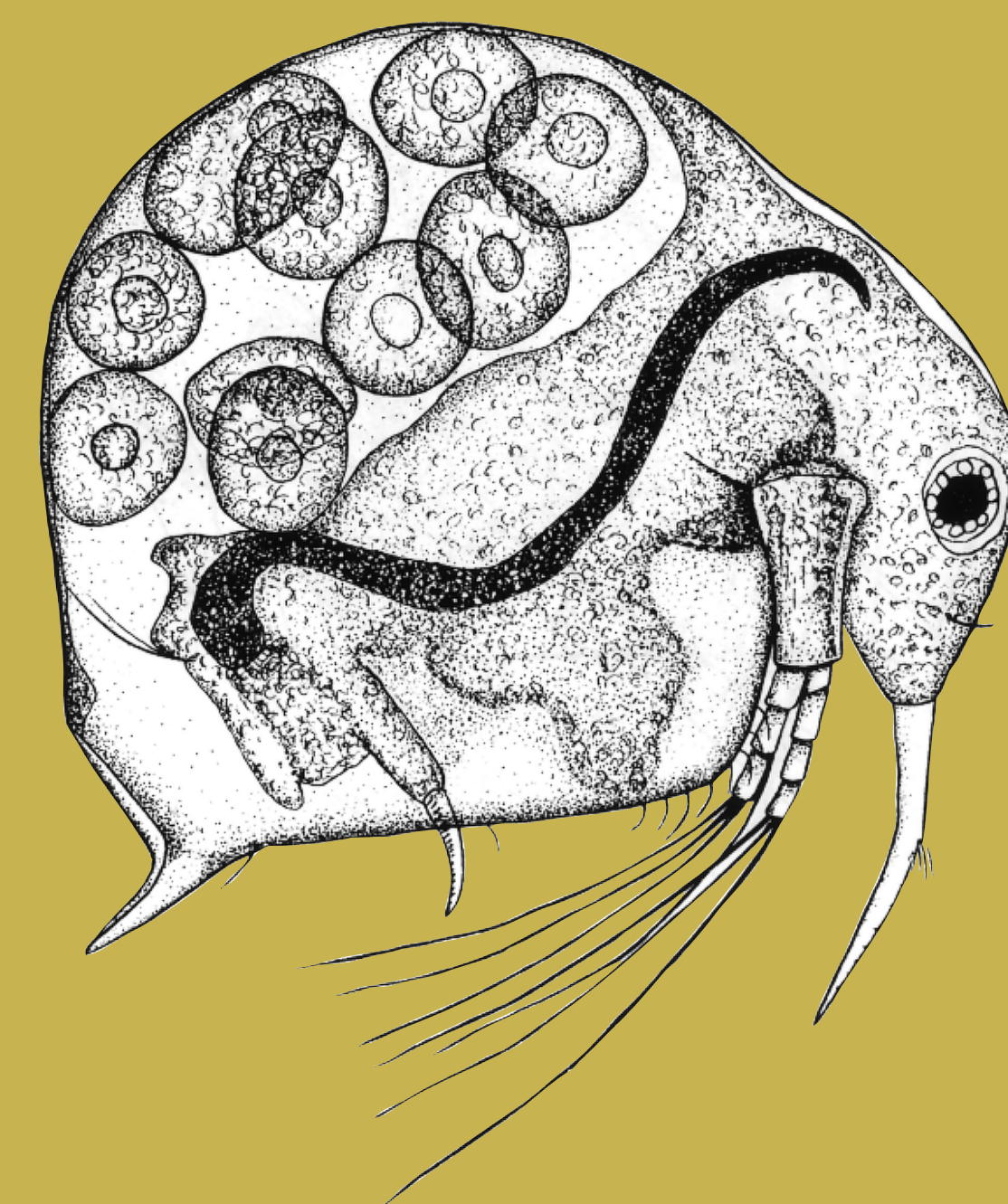
Cladocerans



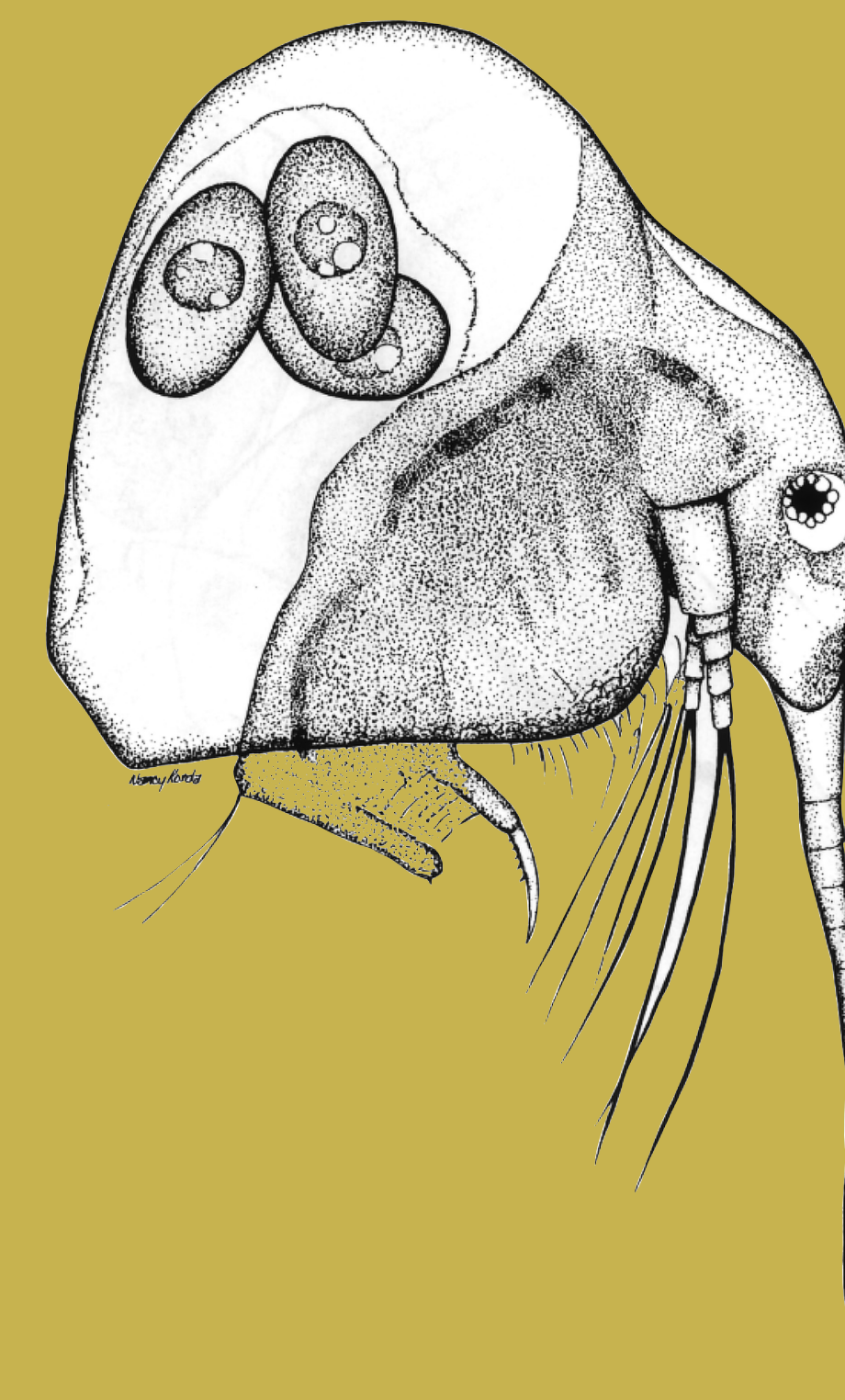
Leptodora



Daphnia

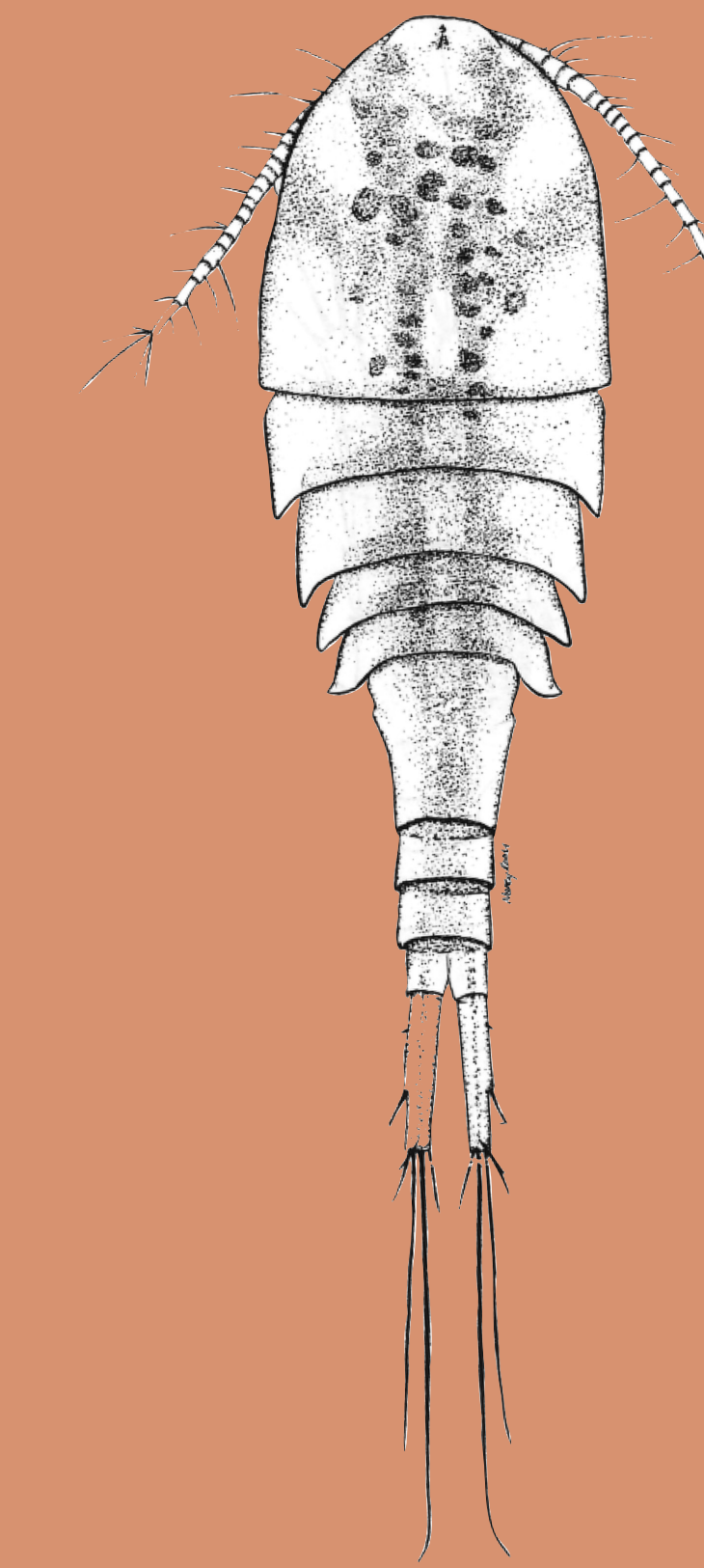


Bosmina

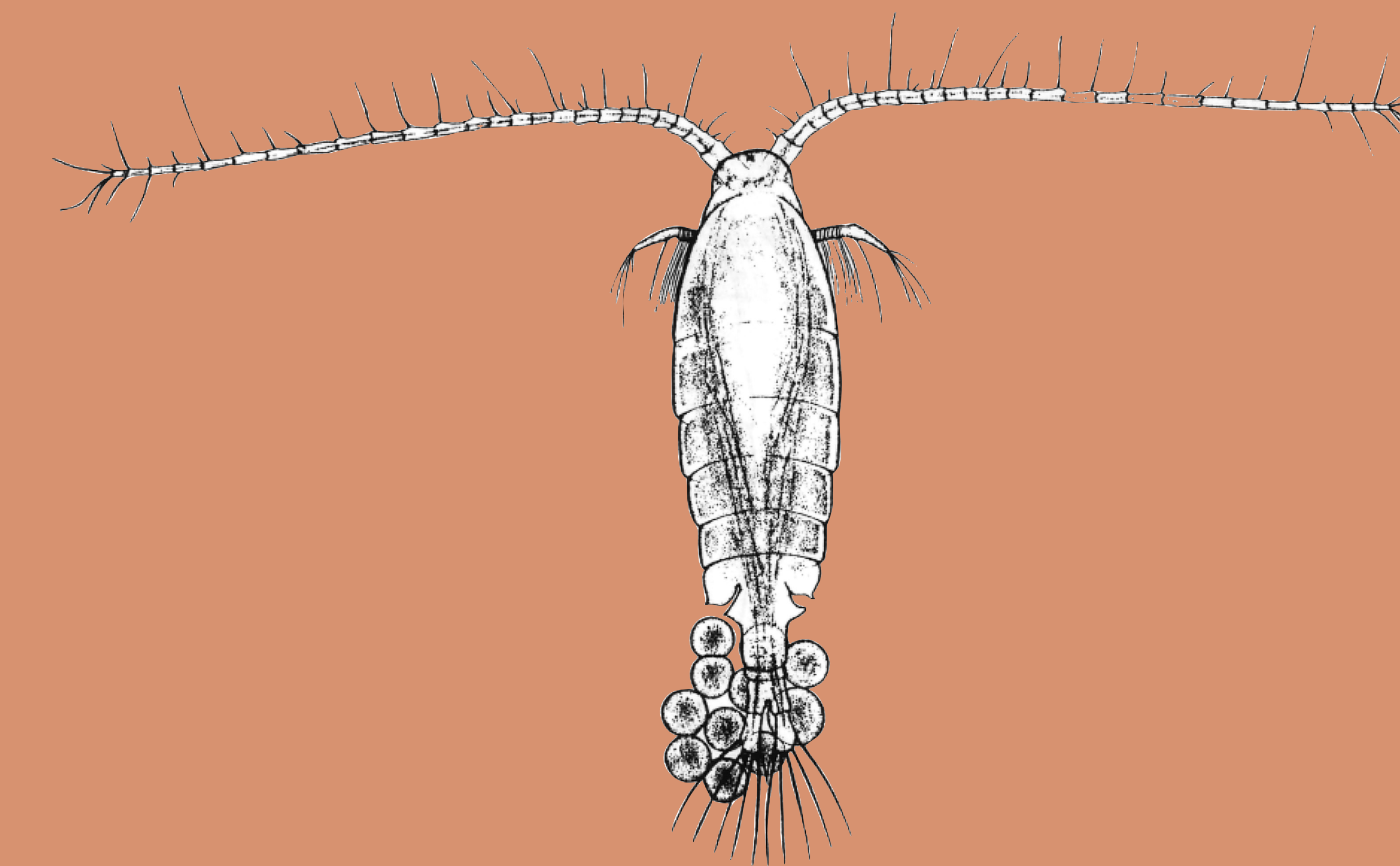


Eubosmina

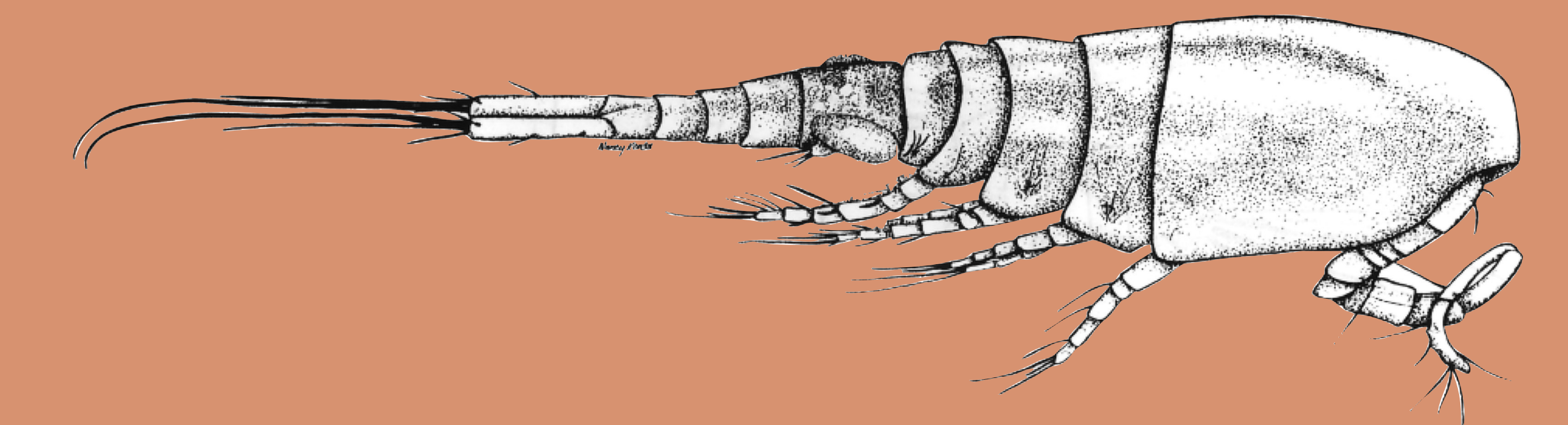
Copepods



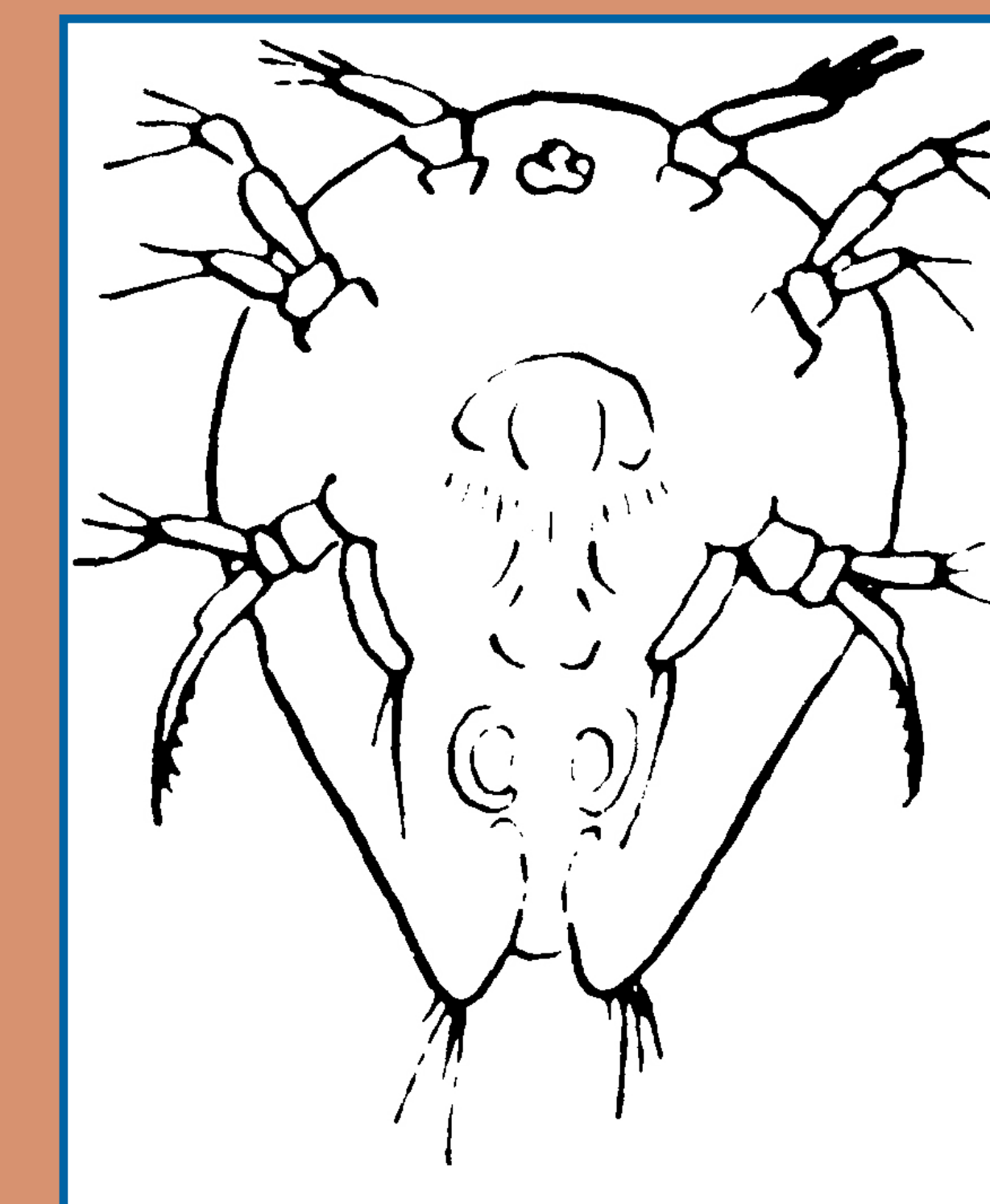
Cyclopoid



Calanoid



Side View of Copepods



Nauplius (larva)

Veliger

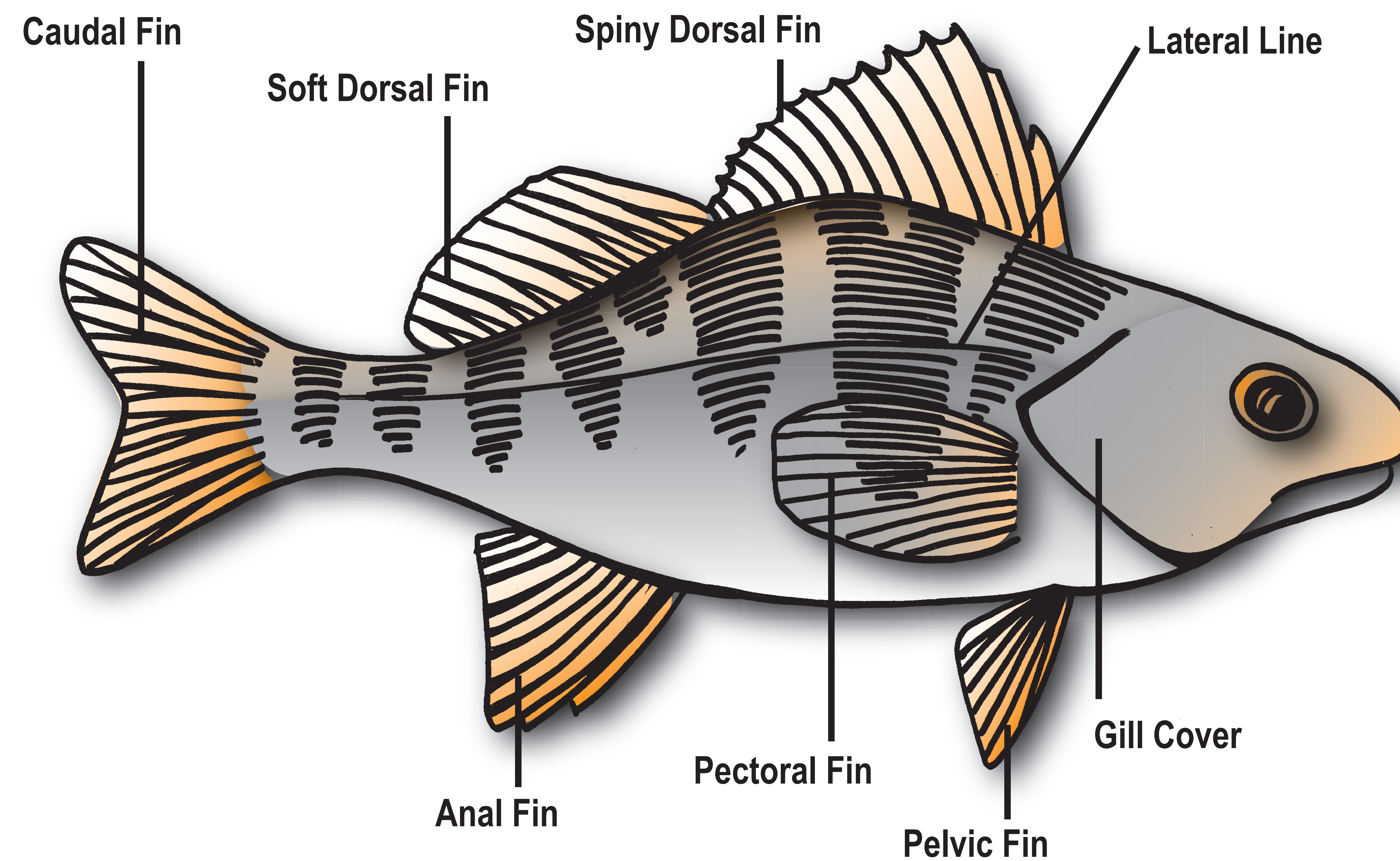


Dreissenid (zebra or quagga mussel)

Fish Anatomy

Identification of a bony fish

External Anatomy of a Bony Fish



Internal Anatomy of a Bony Fish

