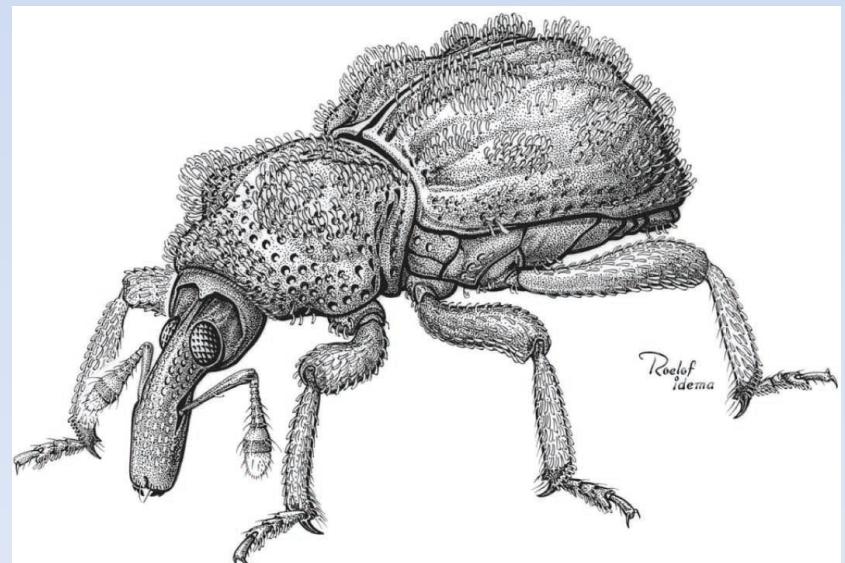


Sampling Leaf Litter Arthropods

Robert Anderson
Canadian Museum of Nature
Musée canadien de la nature



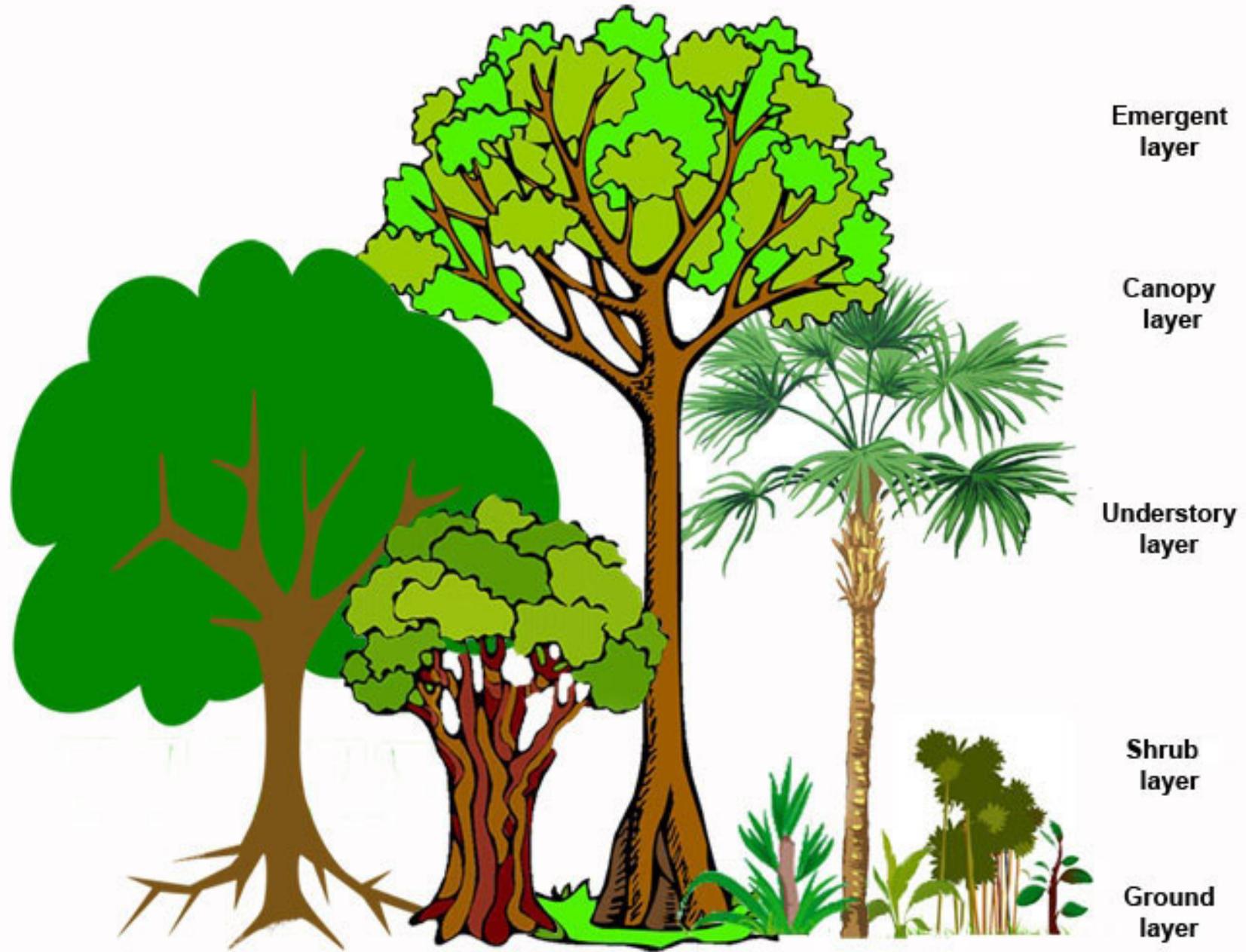












Tropical Forest Stratification

Drawing by Manisha Sashital





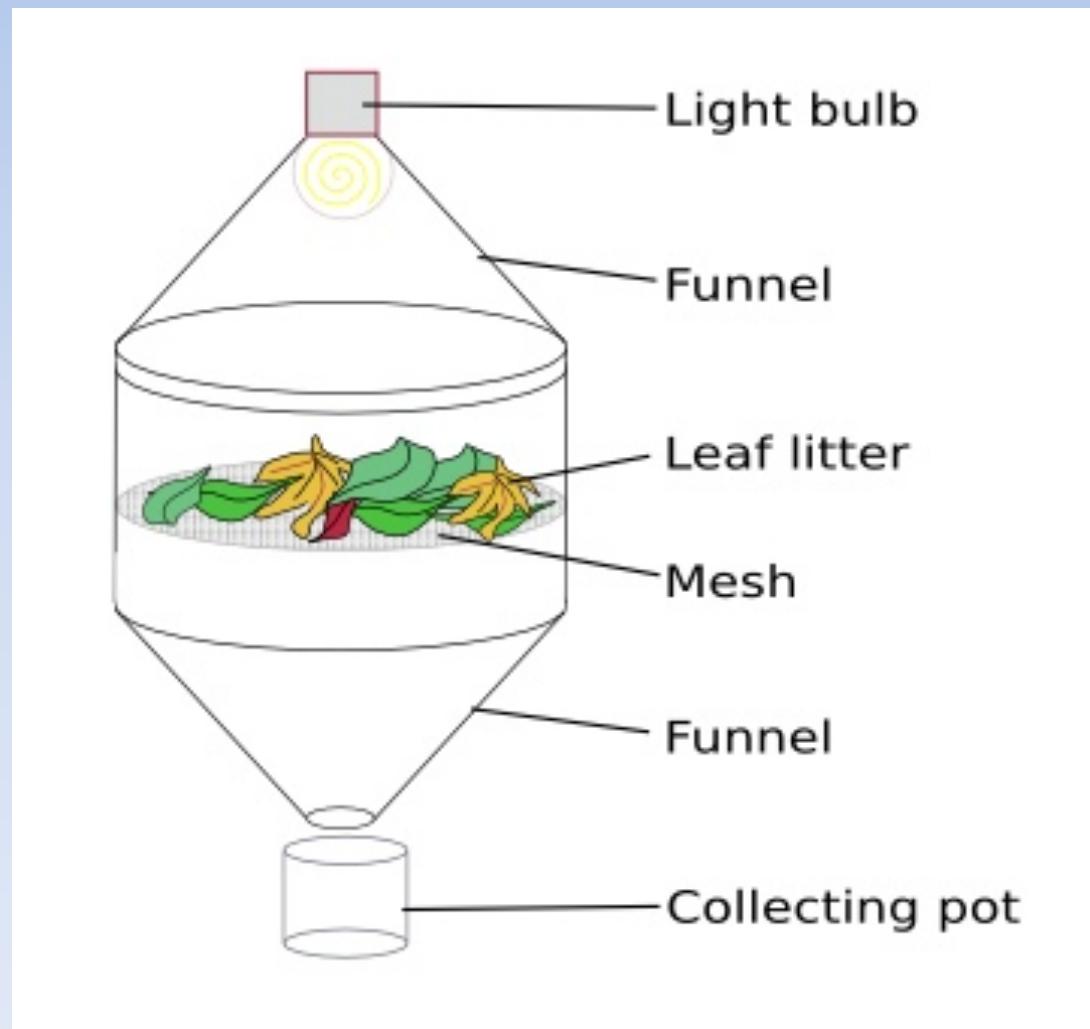


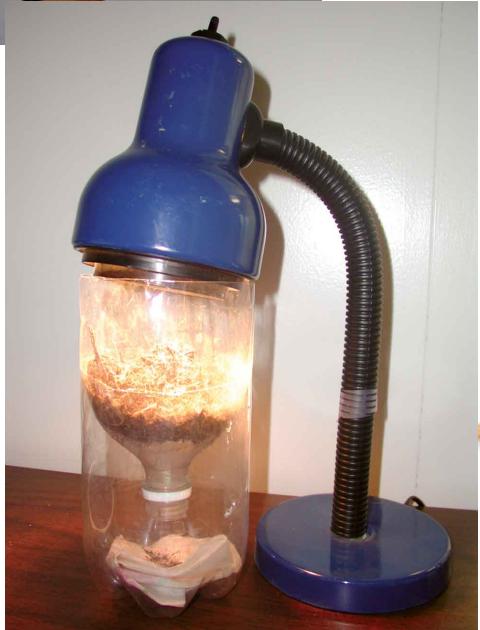




DORCK

DORCK





THE PAN-ARCTIC VIEW

The Arctic Ring of Life



The Arctic still has one of the few remaining intact ecosystems. Much of this area is increasingly under the pressure of large-scale economic development, including oil and gas extraction, mining, and industrial agriculture. The Arctic is also a major pathway for international shipping. In addition, climate change is rapidly melting the ice, which is changing the way people live in the region. The Arctic is a unique ecosystem that must be protected for future generations.







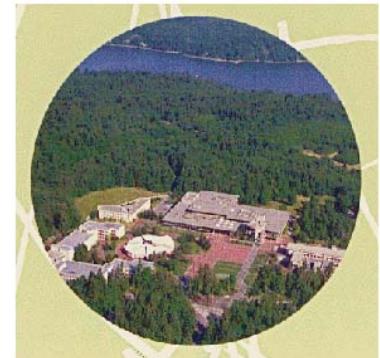


LLAMA

- Leaf Litter Arthropods
- of MesoAmerica



EVERGREEN
THE EVERGREEN STATE COLLEGE
OLYMPIA, WASHINGTON



onature.ca
Canadian Museum of Nature



 National Science Foundation
WHERE DISCOVERIES BEGIN

<http://llama.evergreen.edu/>



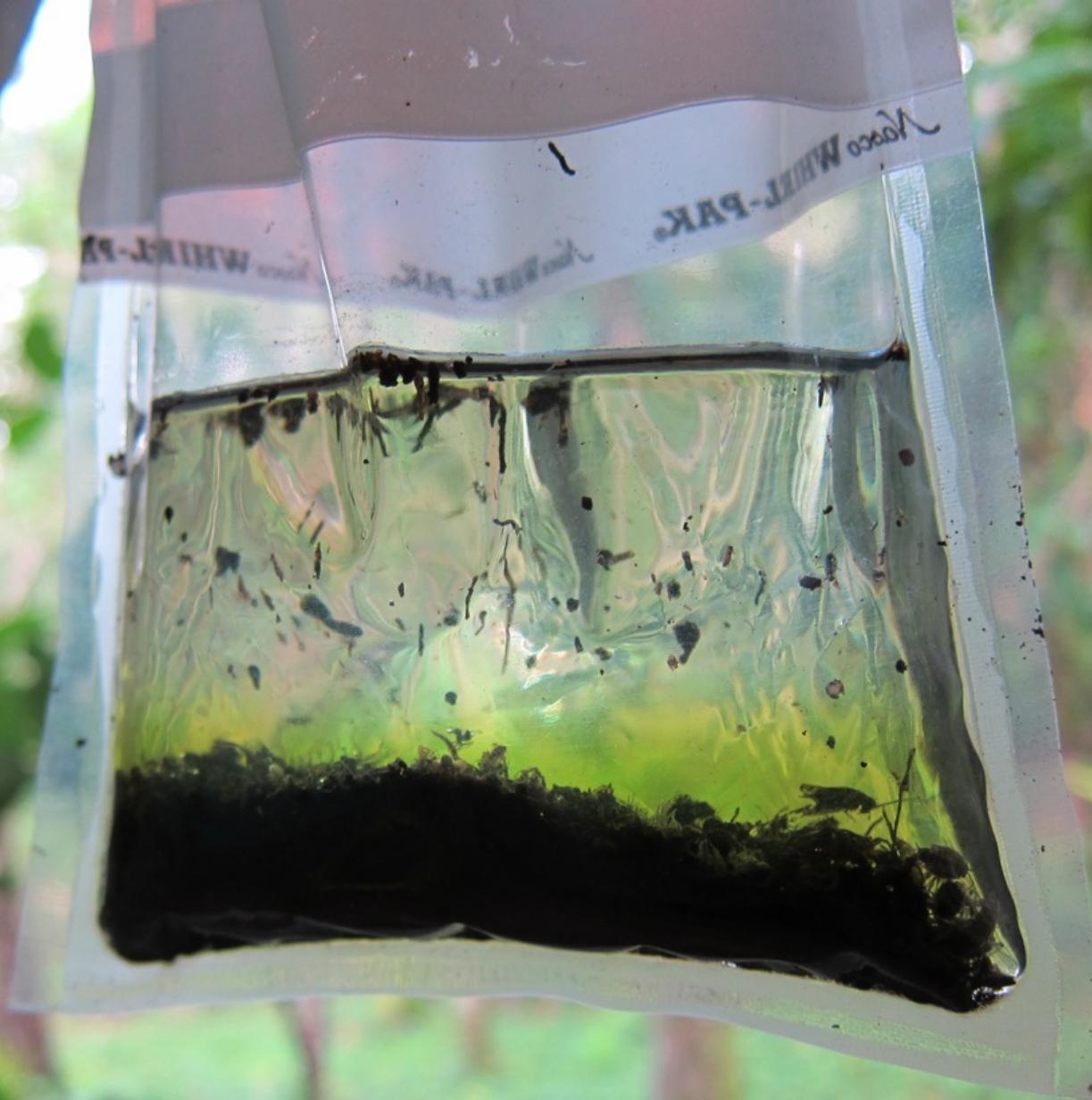














Berlese Funnels

❑ Pros

❑ Fast

❑ Clean, little debris

❑ Cons

❑ Need electricity

❑ Bulky, not easily portable

❑ Possible light attraction contamination

❑ Labour intensive

Winkler Funnels

❑ Pros

- ❑ Portable, easily packable
- ❑ No contamination
- ❑ Easy, fast setup – no maintenance
- ❑ Huge numbers of samples possible

❑ Cons

- ❑ Samples can be dirty
- ❑ Requires 3 days optimal extraction
- ❑ Suitable hanging venue







Sifter & sifting

Habitat selection

Habitat variation

Sampling effort

Sample transport

Weather



Winkler Sifter



Sifting









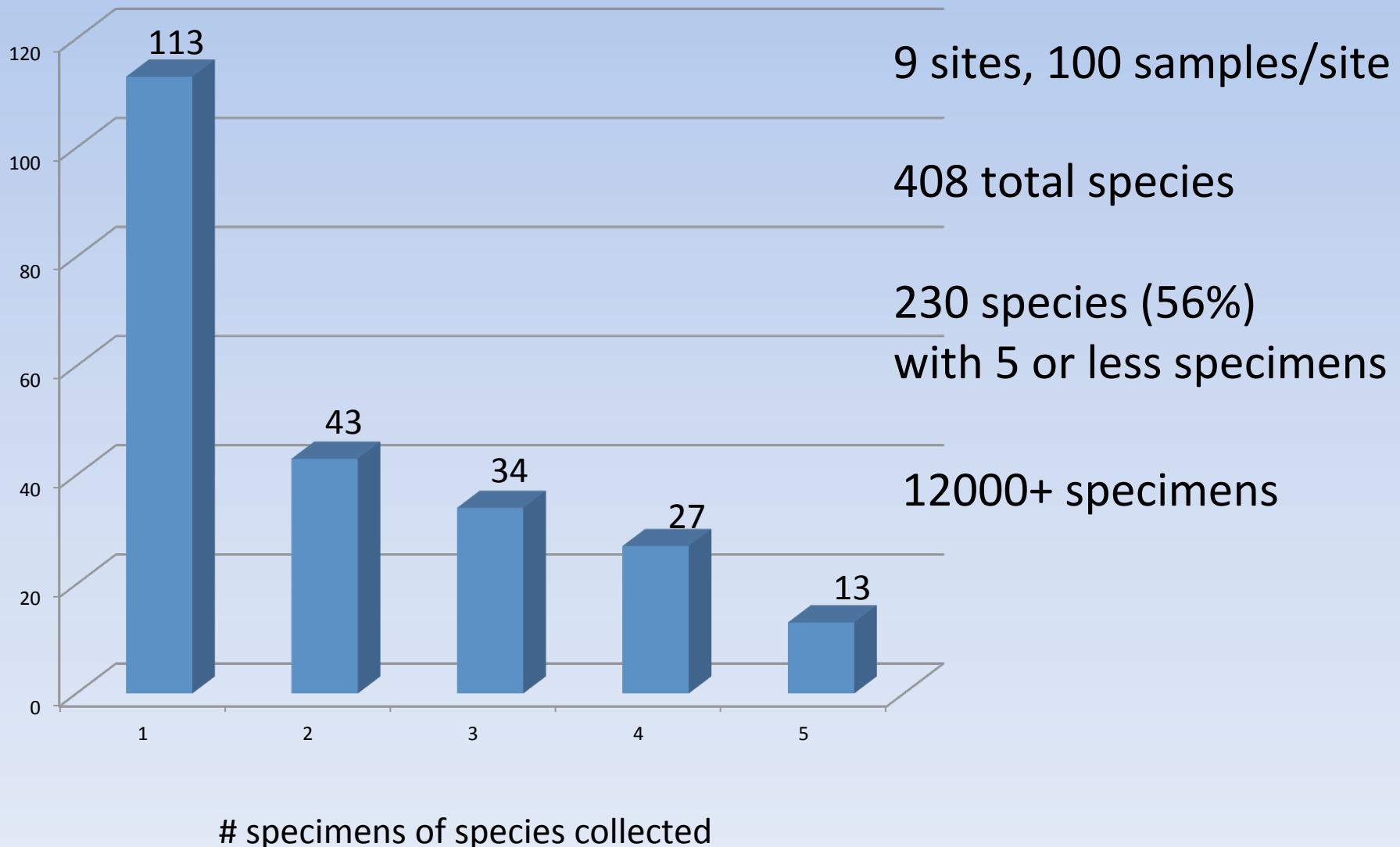








Mexico; Chiapas, 2008 (WEEVILS)

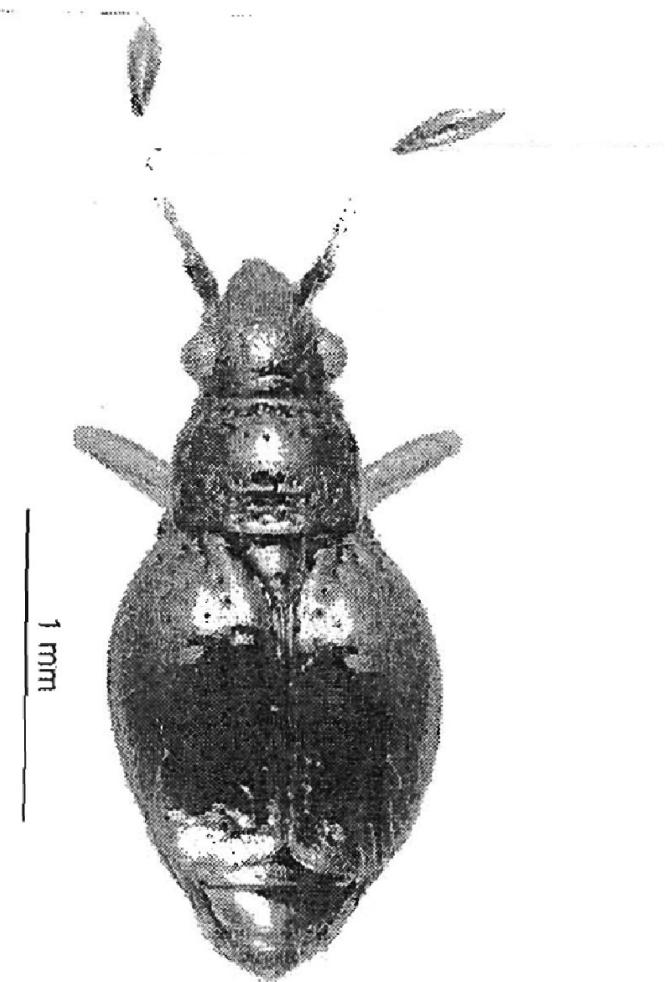
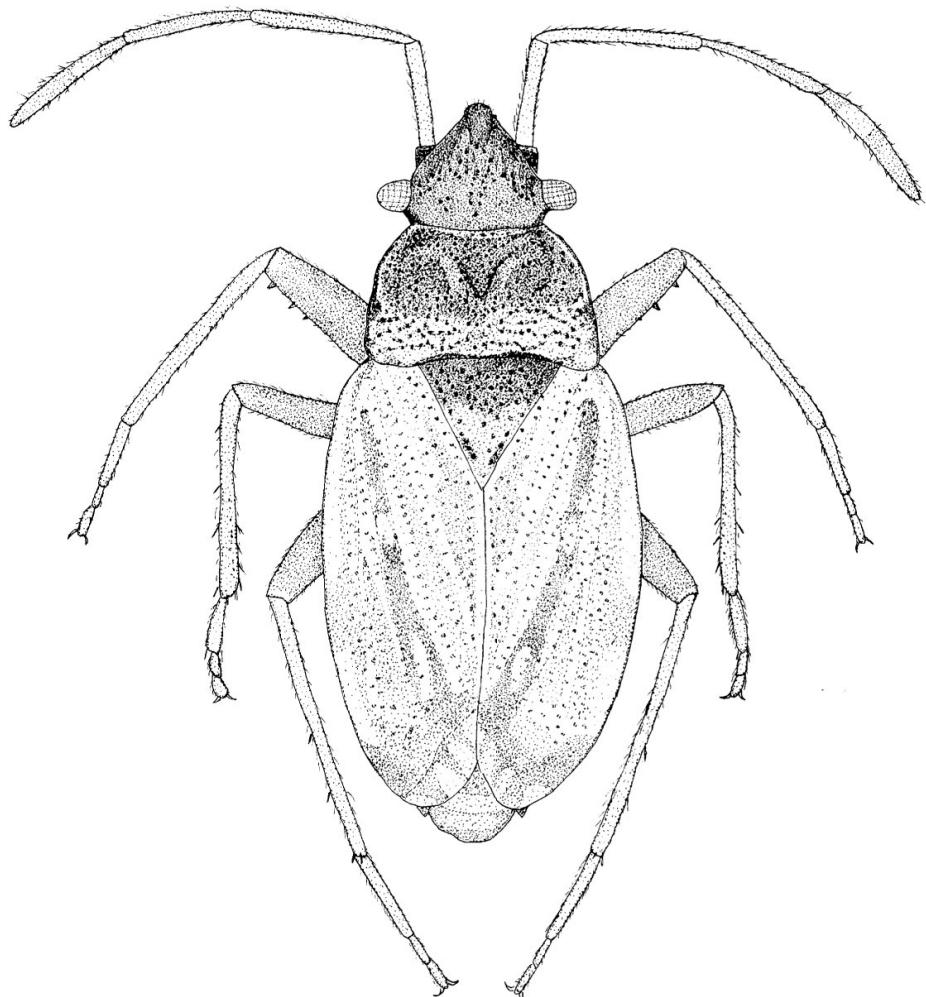






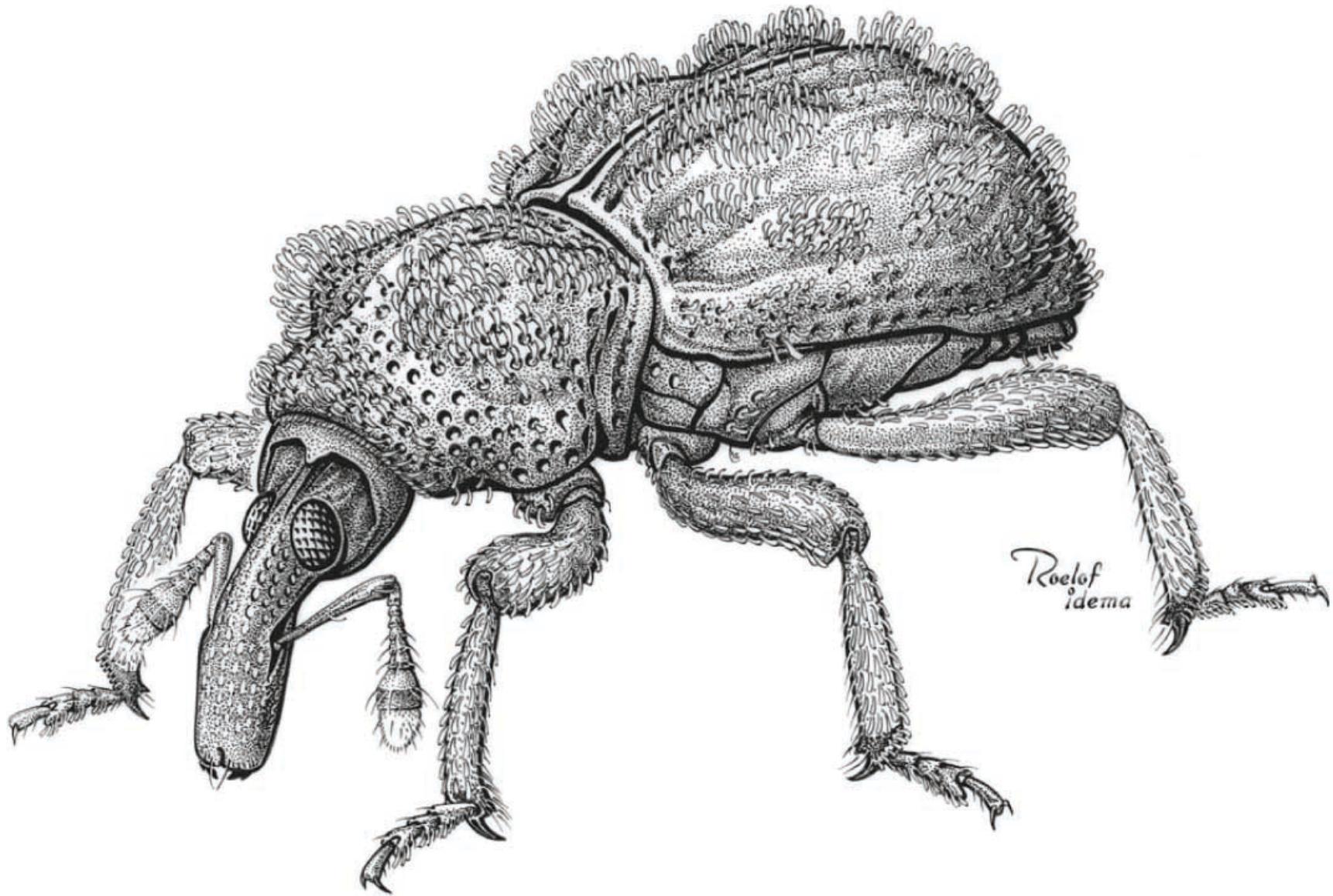


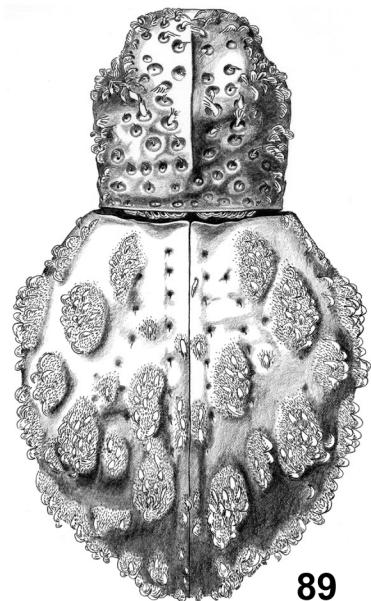




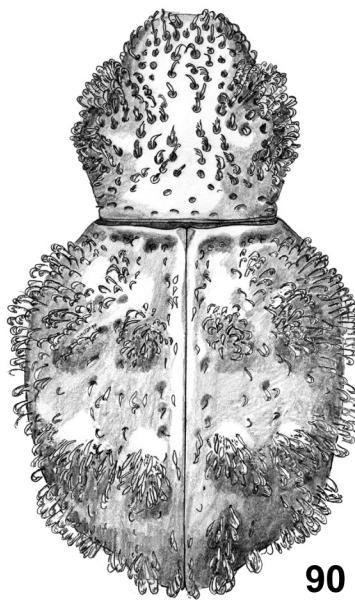








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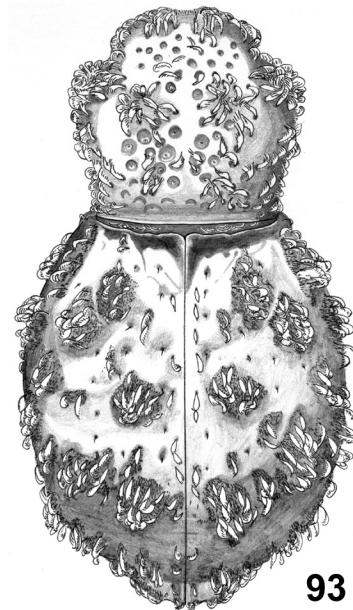
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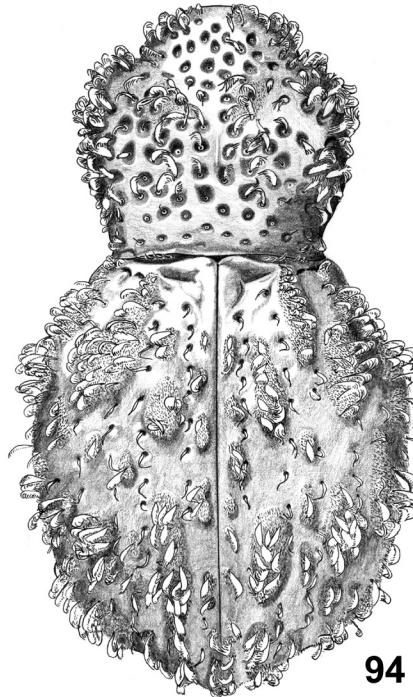
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92



93



94

45
Kms
17
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