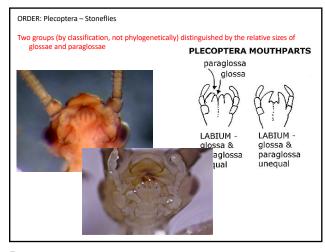
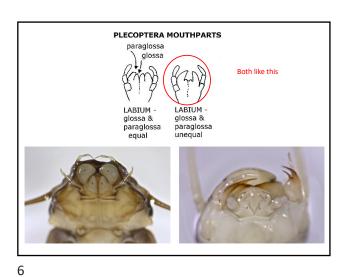
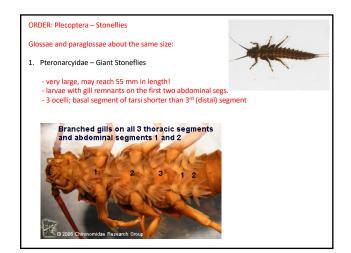
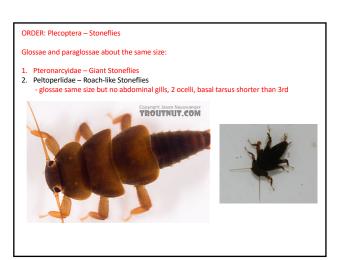


3 4

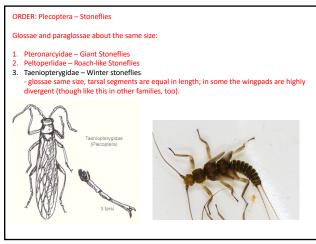


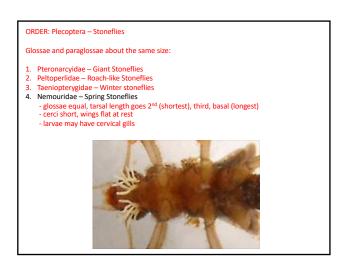






7 8

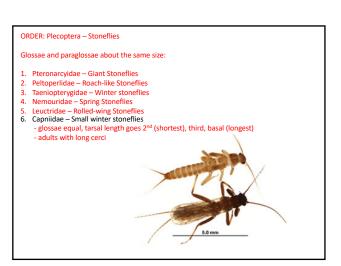




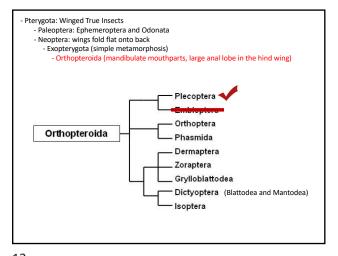
9

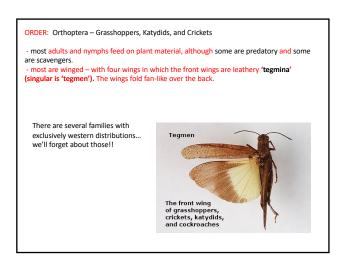
ORDER: Plecoptera – Stoneflies
Glossae and paraglossae about the same size:

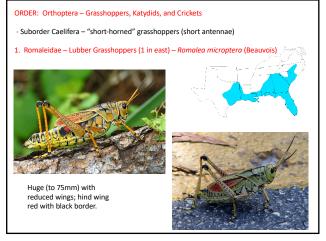
1. Pteronarcyidae – Giant Stoneflies
2. Peltoperlidae – Roach-like Stoneflies
3. Taeniopterygidae – Winter stoneflies
4. Nemouridae – Spring Stoneflies
5. Leuctridae – Rolled-wing Stoneflies
- short cerci in adult; wings roll around abdomen
- glossae equal, tarsal length goes 2<sup>nd</sup> (shortest), third, basal (longest)

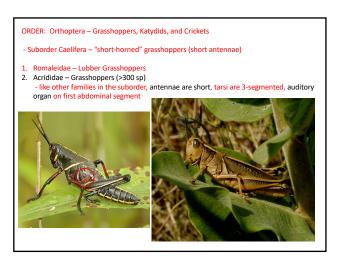


11 12

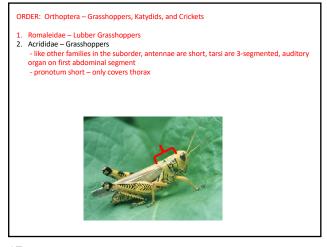


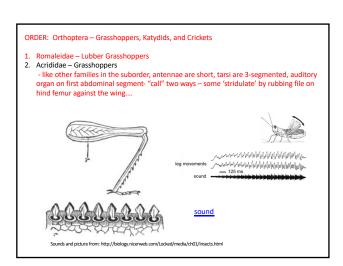


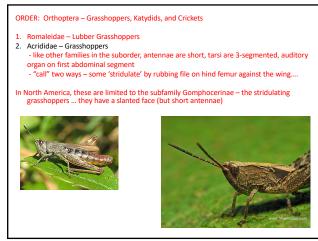




15 16





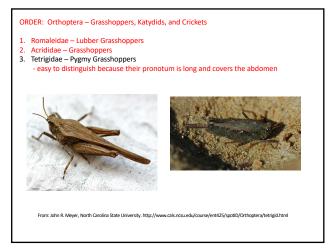


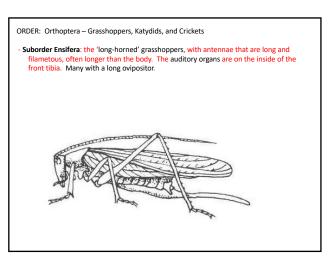


19 20



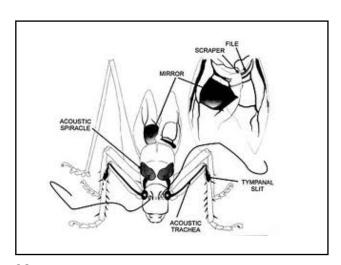


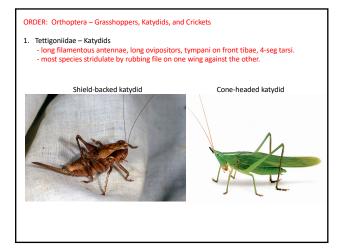


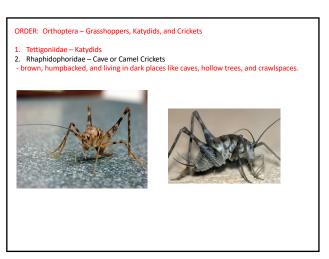


23 24



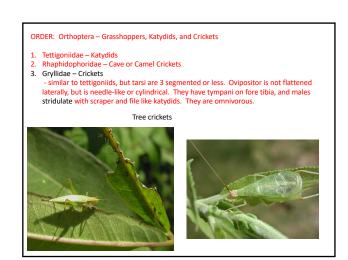


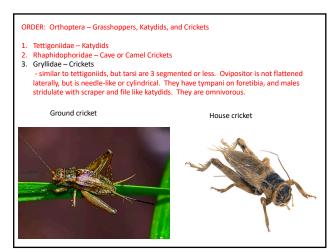


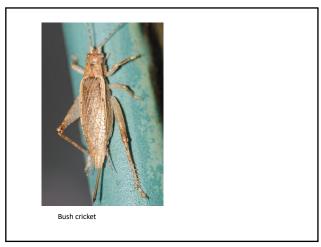


27 28

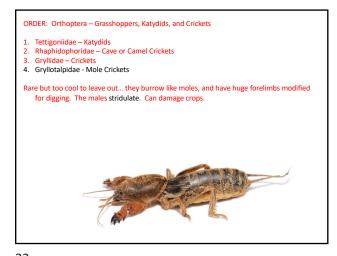


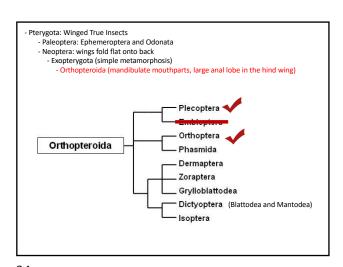


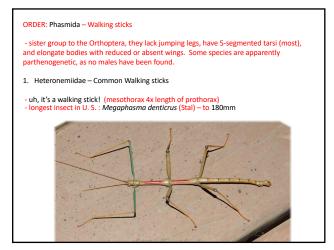




31 32



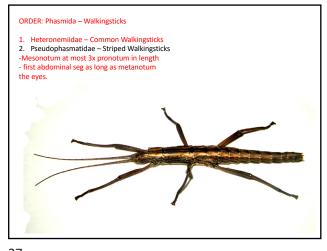




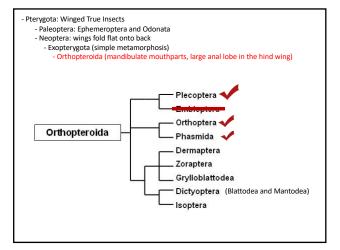
ORDER: Phasmida — Walkingsticks

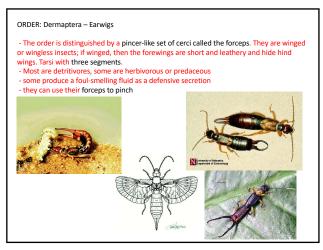
1. Heteronemiidae — Common Walking sticks
2. Pseudophasmatidae — Striped Walking sticks
- first abdominal seg as long as metanotum
- there are several introduced species. Members of the
genus Anisomorpha can spray a whitish chemical from a
pronotal gland up to 40cm with great accuracy, aiming
for the eyes.
"Although Gray (1835) mentioned the defensive secretion of A
buperstoides, the first account of its effect on humans that could be
located was by Stewart (1937), who wrote about an inoident in Teast:
"The victim was observing a pair of Anisomorpha buprestoides". ... with
his face within two feet of the insects, when he received the dischage
in his left eye. .. The pain in his left eye was immediately excruciating
being reported to be as severe as if it had been caused by molten lead.
Quick, thorough drenching with cool water allayed the burning agony to
a dull aching pain. The pain eased considerably within the course of a
few hours. Upon awakening the next morning the entire cornea was
almost a brilliant scarlet in color and the eye was so sensitive to light
and pressure for the next forty-eight hours that the patient was
incapacitated for work. Vision was impaired for about five days."
Symptoms gradually disappeared and there were no lasting effects.
Albert (1947) described a similar but less severe incident."
From: Thomas (2003).
http://entnemdept.ufl.edu/creatures/misc/walkingstick.htm

35 36

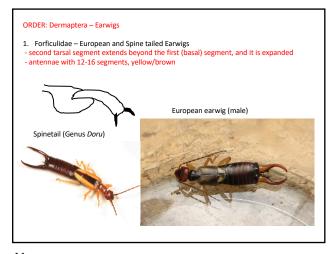


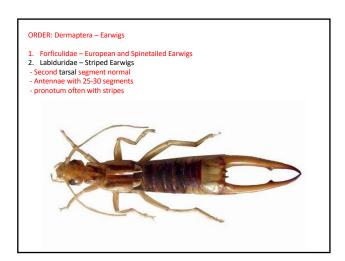


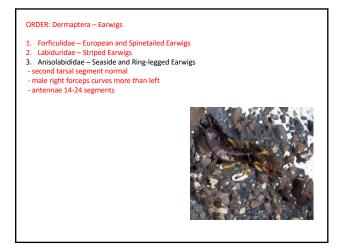


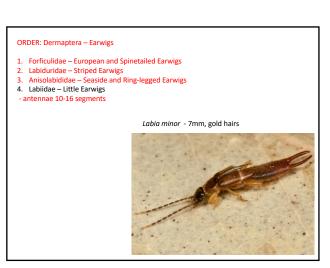


39 40

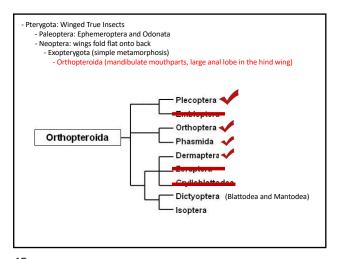


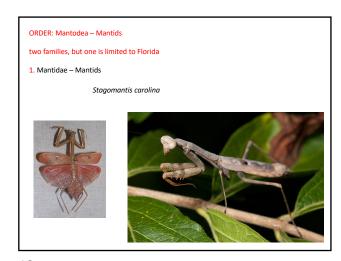


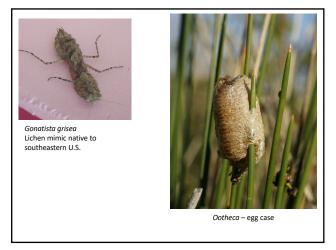


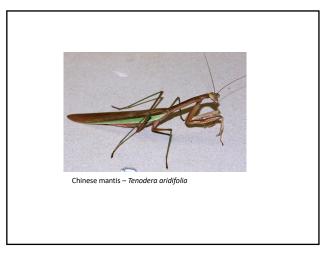


43 44

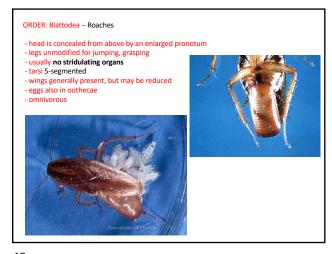


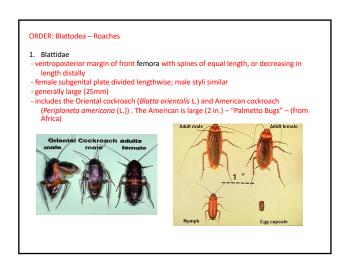


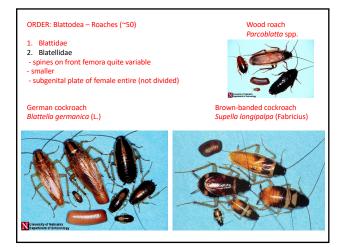


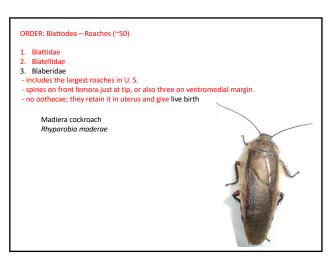


47 48

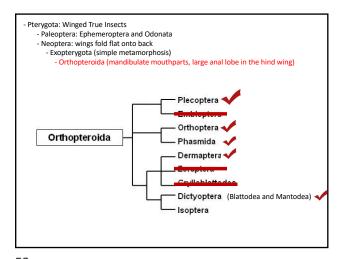


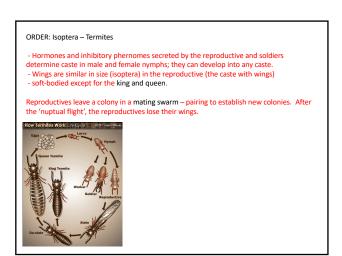






51 52









55 56

