

**SUMMARY OF INSECT CLASSIFICATION -- ORDINAL & SUBORDINAL LEVEL**

**ENTOGNATHOUS HEXAPODS**

- (1) Collembola (Springtails): 6,000
- (2) Protura: 500
- (3) Diplura: 800

**ECTOGNATHOUS HEXAPODS (INSECTA)**

**Apterygota** (primitively wingless)

- (1) Archaeognatha (bristletails): 450
- (2) Zygentoma (silverfish & firebrats): 370

**Pterygota** (winged insects)

**Paleoptera** (no wing folding)

- (3) Ephemeroptera (mayflies): 2,500
- (4) Odonata: 6,500
  - Anisoptera (dragonflies)
  - Zygoptera (damselflies)
  - Anisozygoptera

**Neoptera -- Exopterygota:**

Polyneoptera (orthopteroid complex)

- (5) Plecoptera (stoneflies): 2,000
- (6) Grylloblattodea (rock-crawlers): 24
- (7) Dictyoptera
  - Blattodea (cockroaches): 3,500
  - Mantodea (mantises): 2,000
  - Isoptera (termites): 2,300
- (8) Mantophasmatodea: 2 (*incertae sedis*)
- (9) Dermaptera (earwigs): 1,800
- (10) Embioptera (webspinners): 2,000
- (11) Phasmatodea (stick & leaf ins.): 3,000
- (12) Orthoptera (grasshoppers)
  - Ensifera (long-horned): 11,000
  - Caelifera (short-horned): 11,000
- (13) Zoraptera: 28 (*incertae sedis*)

Paraneoptera (hemipteroid complex)

- (14) Psocoptera (book lice): 2,500
- (15) Phthiraptera (lice): 5,500
  - Amblycera (biting lice)
  - Ischnocera (more biting lice)
  - Rhyncophthirina (a few)
  - Anoplura (sucking lice): 500

- (16) Thysanoptera (thrips): 4,700

Terebrantia

Tubilifera

- (17) Hemiptera (bugs)

Auchenorrhyncha (hoppers): 25,000

Sternorrhyncha (plant lice): 25,000

Coleorrhyncha (peloridiids): 25

Heteroptera (true bugs): 30,000

**Neoptera -- Endopterygota:**

Neuropterida (neuropteroid complex)

- (18) Megaloptera (dobson-, alderflies): 300

- (19) Raphidioptera (snakeflies): 150

- (20) Neuroptera (lacewings): 4,700

- (21) Coleoptera (beetles): 400,000

Archostemmata, Myxophaga (a few)

Adephaga (40,000)

Polyphaga (300,000)

- (22) Strepsiptera: 532 (or are they Diptera?)

Panorpida (panorpid complex)

Antliophora

- (23) Mecoptera (scorpionflies): 470

- (24) Diptera (true flies): 130,000

Nematocera

Brachycera

Orthorrhapha

Cyclorrhapha

- (25) Siphonaptera (fleas): 2,380

Amphiesmenoptera

- (26) Trichoptera (caddisflies): 10,000

- (27) Lepidoptera (butterflies & moths): 120,000

Zeugloptera, Aglossata, Heterobathmiina

Glossata: Exoporia, etc.

Glossata: Ditrysia

Hymenopterida (unique!)

- (28) Hymenoptera: 180,000

Symphyla (sawflies & wood wasps)

Apocrita (bees, wasps, & ants)