



COURSE TITLE

MEDICAL ENTOMOLOGY

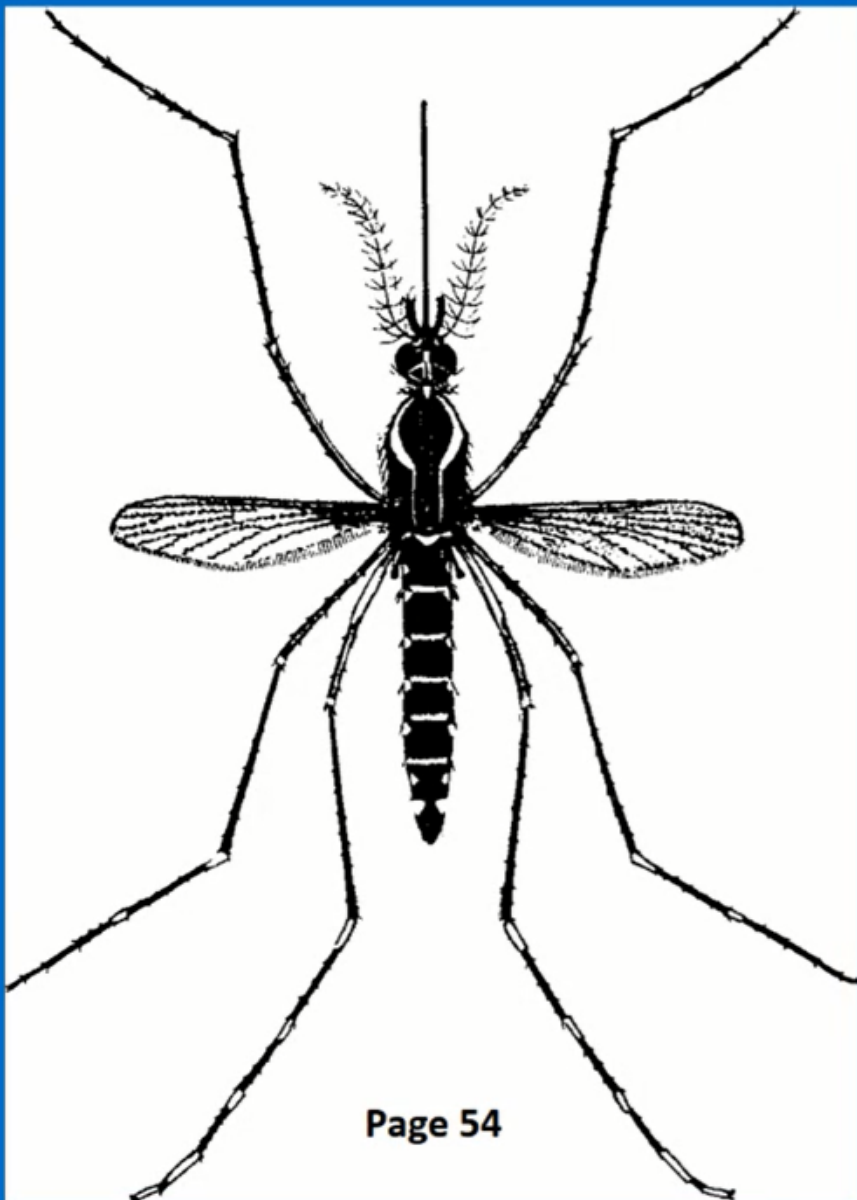
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CHAPTER 3

CULICINE MOSQUITOES

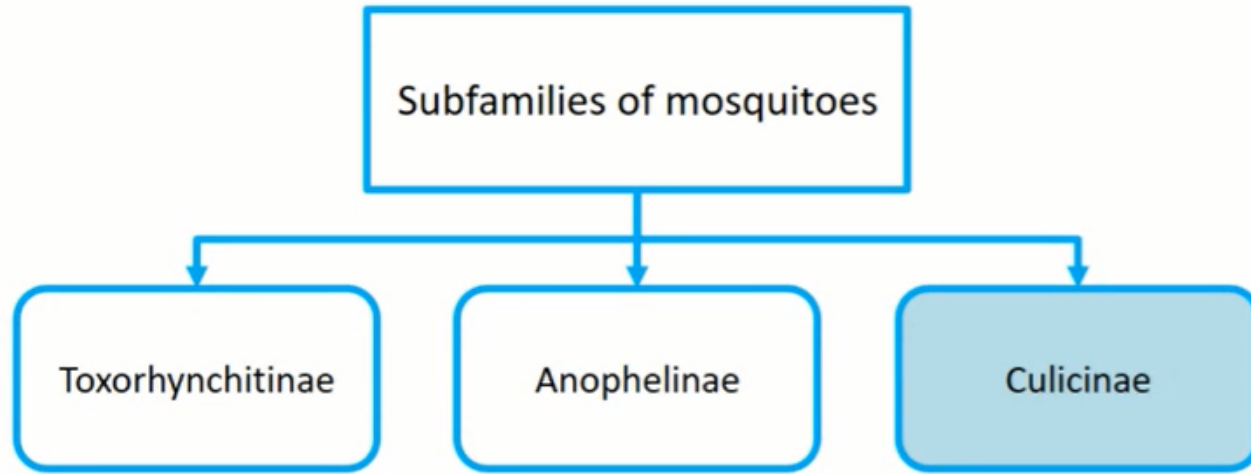
(CULICINÆ)

Mike Service

MEDICAL
ENTOMOLOGY
for Students



SUBFAMILY CULICINAE

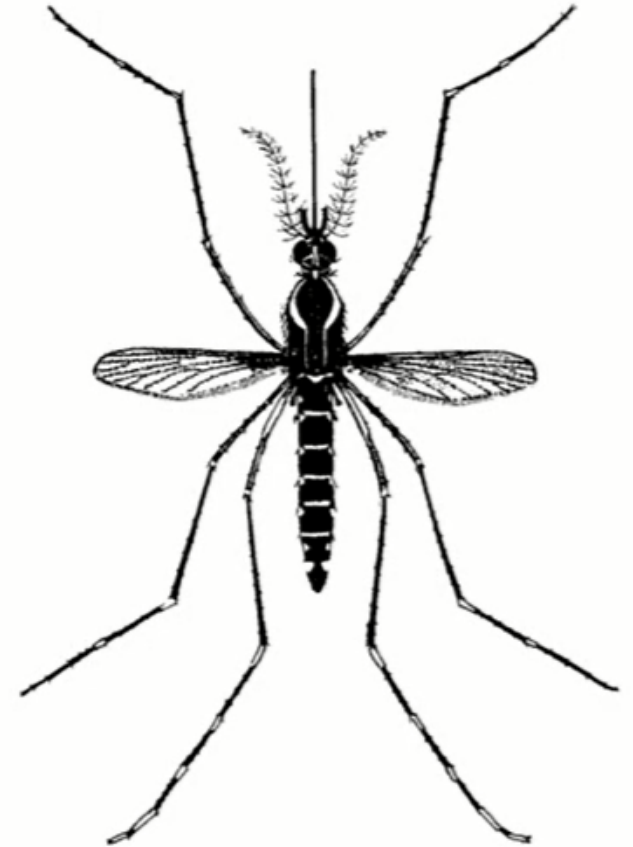


Culicinae

the largest subfamily of mosquitoes

More than 3,000 **species** in 110 **genera**

Conservatively **40** genera



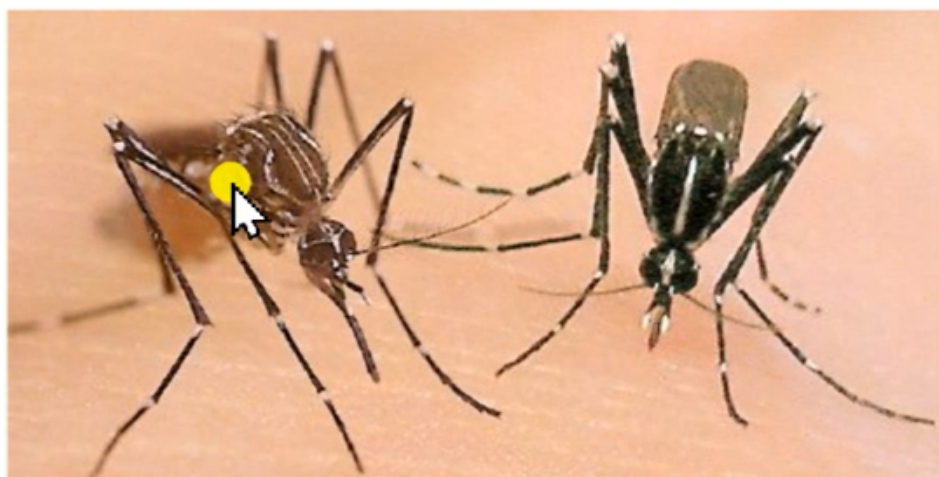
REVISION OF CLASSIFICATION

Old classification

- 1. *Aedes aegypti*
- 2. *Aedes albopictus*

New classification

- 1. *Stegomyia aegypti*
- 2. *Ochlerotatus albopictus*



Ae. aegypti

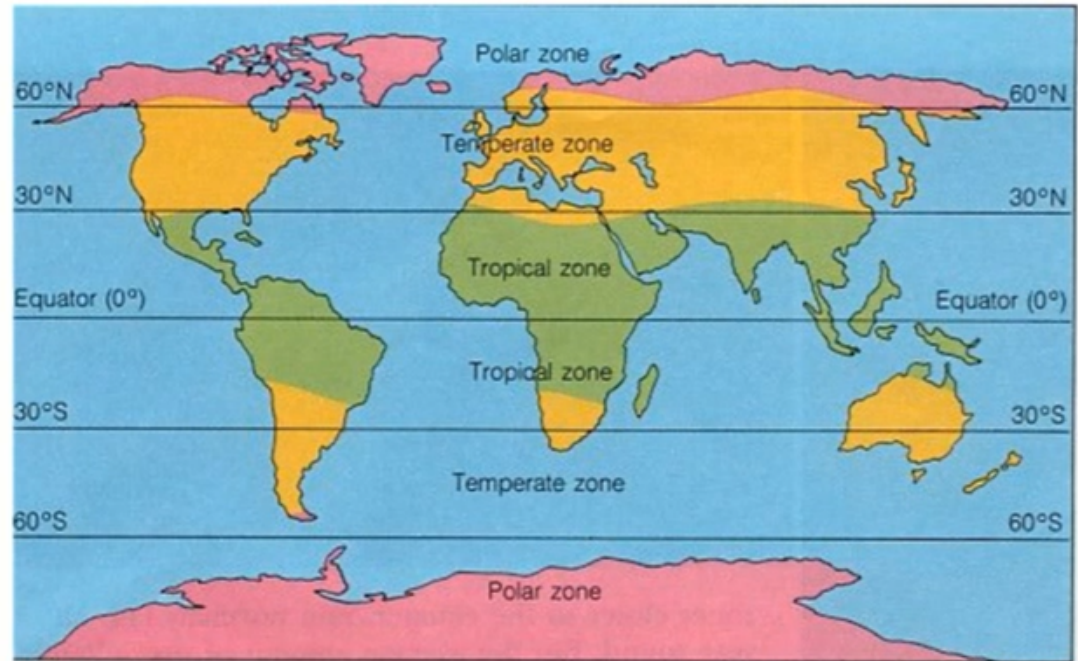
Ae. albopictus

Most widely used names all over the world

SUBFAMILY CULICINAE

Medically important genera:

- . *Culex* (Tem.&Trop.)
- . *Aedes* (Tem.&Trop.)
- . *Haemagogus* (C&S America)
- . *Sabethes* (C&S America)
- . *Mansonia* (Tropics)
- . *Coquillettidia* (Tem.&Trop.)
- . *Psorophora* (NC&S America)



23.27 °

Culicinae Mosquitoes

Distribution

Eggs

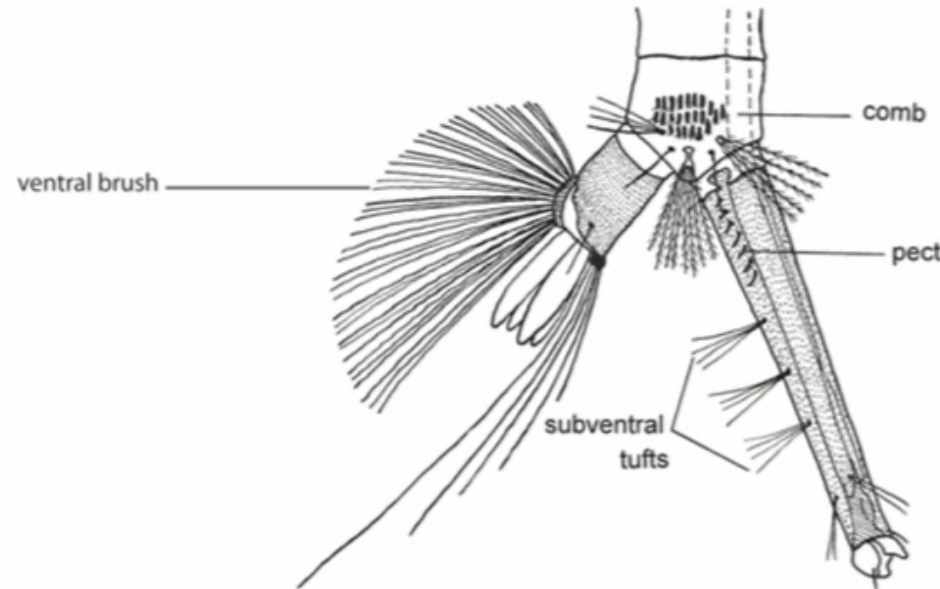
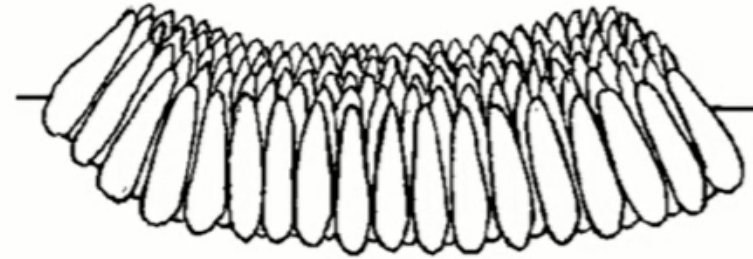
Larva

Adults

Biology

Culex

- 1. **Distribution** → $\leftrightarrow$ worldwide
- 2. **Eggs** → Egg raft → ≈ 300 eggs → ✕ Binding sub.
- 3. **Larvae** → long siphon
subventral tufts → >1 pair



Culex Eggs

1. **Distribution** → <> worldwide
2. **Eggs** → Egg raft → ≈ 300 eggs → ✕ Binding sub.
3. **Larvae** →

