

## Family CROSAPHIDIDAE

This taxon was originally described in the Homoptera by Evans (1971), but was subsequently placed in the Diptera near the Anisopodidae by Kovalev (1983). Kovalev's placement has been followed by subsequent workers (e.g., Evenhuis, 1989*b*; Carpenter, 1992), but the change to Diptera was apparently ignored by Hamilton (1992) who listed it among the coccoid Homoptera in his review of Mesozoic Homoptera fossils.

Recent examination of the type specimen by me shows that *Crosaphis* may actually be a primitive representative of the family Mythicomyiidae in the Brachycera. Kovalev apparently based his decision to place *Crosaphis* in the Nematocera near the Anisopodidae on a photograph of the type and not examination of the actual fossil.

In addition to the described species from Australia listed below, Kalugina & Kovalev (1985: 9) mentioned undetermined material of this family from the Upper Jurassic (Kimmeridgian) deposits of the Karatau, Kazakhstan. Restudy of this material is essential to verify its true position in the Diptera.

*Ref:* Kovalev (1983, review of taxa).

### Genus CROSAPHIS Evans

**CROSAPHIS** Evans, 1971: 146. Type species: *Crosaphis anomala* Evans, 1971, by original designation.

**anomala** Evans, 1971: 147. AU: Australia (Upper Triassic) [C].