

## Notes on Chalcidoidea (Hym.). II

### The Genus *Coelopencyrtus* Timbl. in Sweden with Description of a New Species (Encyrtidae)

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#### Abstract

HEDQVIST, K.-J. Notes on Chalcidoidea. (Hym.)  
II. The genus *Coelopencyrtus* Timbl. in Sweden  
with description of a new species (Encyrtidae).  
— Ent. Tidskr. 94: 94—96, 1973.

The author synonymizes *Batrachencyrtus* A. Jns. with *Coelopencyrtus* Timbl. and gives a list of the European species. He also describes a new species, *C. cephalotus* sp.n. from South Sweden.

In the year 1957 Jansson described a new genus and species of *Encyrtidae* from North Sweden. He called the curious genus *Batrachencyrtus* and the type species *callidii*. As a host he mentioned *Callidium aeneum* De G. Trjapitzin (1960) described a new species, which he placed in *Coelopencyrtus*. Later (1968) he placed his species in synonymy with a species described by Erdős (1957) as *Adelencyrtus arenarius* from Hungary.

I have compared *Batrachencyrtus* with the description of *Coelopencyrtus* and I have been convinced that they must be congeneric (Trjapitzin informs me in a letter that he is of the same opinion). According to above the genus *Coelopencyrtus* has in Europe the following species:

*Coelopencyrtus* Timbl. 1919

Syn: *Batrachencyrtus* A. Jns. 1957 syn. n.

*Coelopencyrtus arenarius* (Erd.) 1957

Syn: *C. malyschevi* Trjap. synonymized  
by Trjapitzin (1968).

*C. callidii* (A. Jns.) described as *Batrachencyrtus callidii* A. Jns. n.comb.

*C. cephalotus* sp.n. description below.

The genus *Coelopencyrtus* Timbl. is known from Hawaii (6 species), North America (2 species) and South Africa (5 species). As hosts are known aculeate Hymenoptera: *Odynerus* Latr. (Vespidae), *Nesoprosopis* Perk. and *Hylaeus* F. (Colletidae) and *Xylocopa* Latr. (Xylocopidae). *Callidium aeneum* De G. as a host seems dubious (Jansson 1957).

*Coelopencyrtus cephalotus* sp.n.

♀. Black with tint of blue (metallic). Antennae dark brown; legs brown with apex of all tibiae and all tarsi except claw joints yellowish—white. Wing veins pale brown.

Head (fig. 1 B) with genae not very buccate. Antennae inserted near the base of clypeus and with formula 1163, strongly clavate (fig. 2 D). The head above antennal

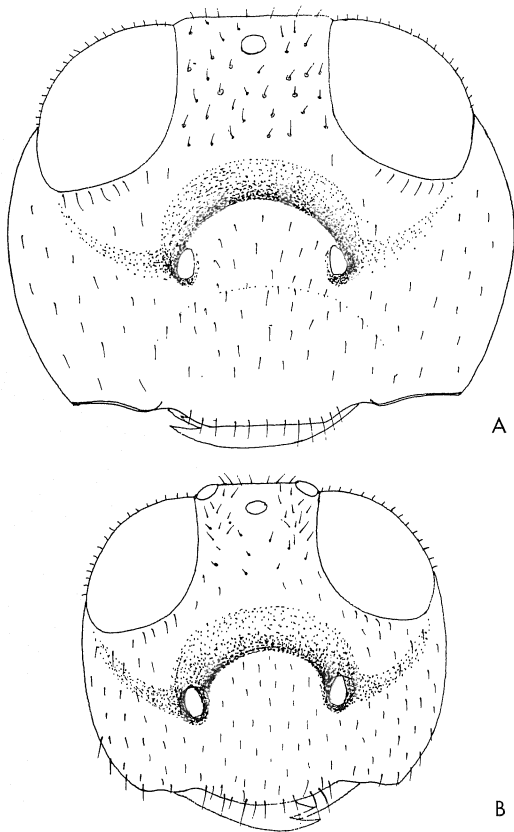


Fig. 1. A. *Coelopencyrtus callidii* (A. Jns.) ♀, head in frontal view.  
B. *C. cephalotus* sp.n. ♀, head in frontal view.

sockets coriaceous with punctures, below the sockets only alutaceous. Ocelli in an isosceles triangle, 00L shorter than the diameter of an eye. Thorax alutaceous and punctated with hairs. Gaster shorter than thorax, coriaceous and with ovipositor as long as half hind tarsus. Fore wing with stigmal vein longer than postmarginal vein (fig. 2 E).

♂. Unknown.

Length: 1,8 mm.

Holotype: in coll. mea, Västmanland, Strömsholm, 8.VII., 1961, leg. K.-J. Hedqvist. Collected on a dry alder with nests of crabronids (Crabronidae) and *Prosopis* F. (Apidae).

*C. cephalotus* sp.n. is similar to *C. callidii* (A. Jns) but differs in having genae not so

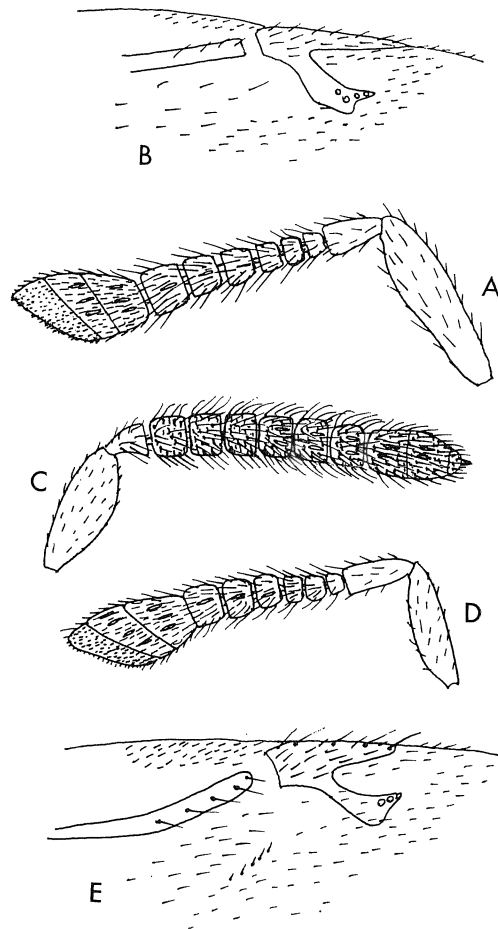


Fig. 2. A—C. *Coelopencyrtus callidii* (A. Jns.), A. Antenna ♀, B. Part of fore wing ♀ and C. Antenna ♂.  
D—E. *C. cephalotus* sp.n. ♀, D. Antenna and E. Part of fore wing.

strongly buccate as in *C. callidii* (fig. 1 A). Antenna and wing veins are also different (see fig. 2 A—E).

From *C. arenarius* (Erd.) it differs in shape of antenna and head, and in colour.

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