

Studies on Flies in Korea  
23. One Unrecorded Species of Calliphoridae (Insecta: Diptera) from Korea

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한국산 파리의 연구  
제23보 검정파리과(곤충강 : 파리목)의 1미기록종에 관하여

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적 요

1986년 3월부터 12월까지 가야산일대에서 채집된 검정파리과 가운데 한국 미 기록종 *Calliphora subalpina* 15개체가 채집 되었기에 再記載하여 報告한다. 이 1종이 추가됨에 따라 우리나라 검정파리과는 15속 25종이 기록된다.

Key words: Calliphoridae, Diptera, Taxonomy, Korea.

REDESCRIPTION

Family	CALLIPHORIDAE	검정파리과
Subfamily	CALLIPHORINAE	검정파리아과
Tribe	CALLIPHORINI	검정파리족
Genus	<i>Calliphora</i>	검정파리속

*Type-species*: *Musca vomitoria* Linné, 1758

*Calliphora subalpina* (Ringdahl, 1931) 산봉우리검정파리(신칭)

*Steringomyia subalpina* Ringdahl, 1931 (p. 172).

*Calliphora subalpina*: Wainwright, 1940 (p. 446); Kano et al., 1959 (p. 413); Kurahashi, 1964 (p. 231); Kano

and Shinonaga, 1968 (p. 19, fig. 5).

**Male body length:** 10-12mm

**Head:** Frons about one-fourth the width of one eye; frontal vitta, parafrontals and parafacials dark brown to black; antennae dark brown, length of 3rd segment about four times that of 2nd; gena and anterior part of metacephalon with numerous black hairs; palpi orange and slender.

**Thorax:** Scutum bluish black with dull silvery pollen; acrostichal bristles 3+3; dorsocentral bristles 3+3; intra-alar bristles 1+2; presutural bristle 1, humeral bristles 4; notopleural bristles 2; supra-squamal ridge bare, but anterior tuft present; upper part of propleuron hairy; metathoracic spiracle dark brown; prosternum hairy.

**Wings:** Hyaline; R1 bare, R4+5 with five or six short setae on the dorsal and ventral surfaces of basal node; basicosta dark brown to black; epaulet black; upper squamae creamy white, lower squamae light brown with numerous fine brown hairs.

**Legs:** Fore femur with a pair of rows of long bristles on the posterodorsal surface; fore tibia with a row of short bristles on the anterodorsal surface; mid femur with one bristle on the middle portion of the anterolateral surface; mid tibia with one short bristle on the anterodorsal surface; hind femur with a row of long bristles on the anterodorsal surface.

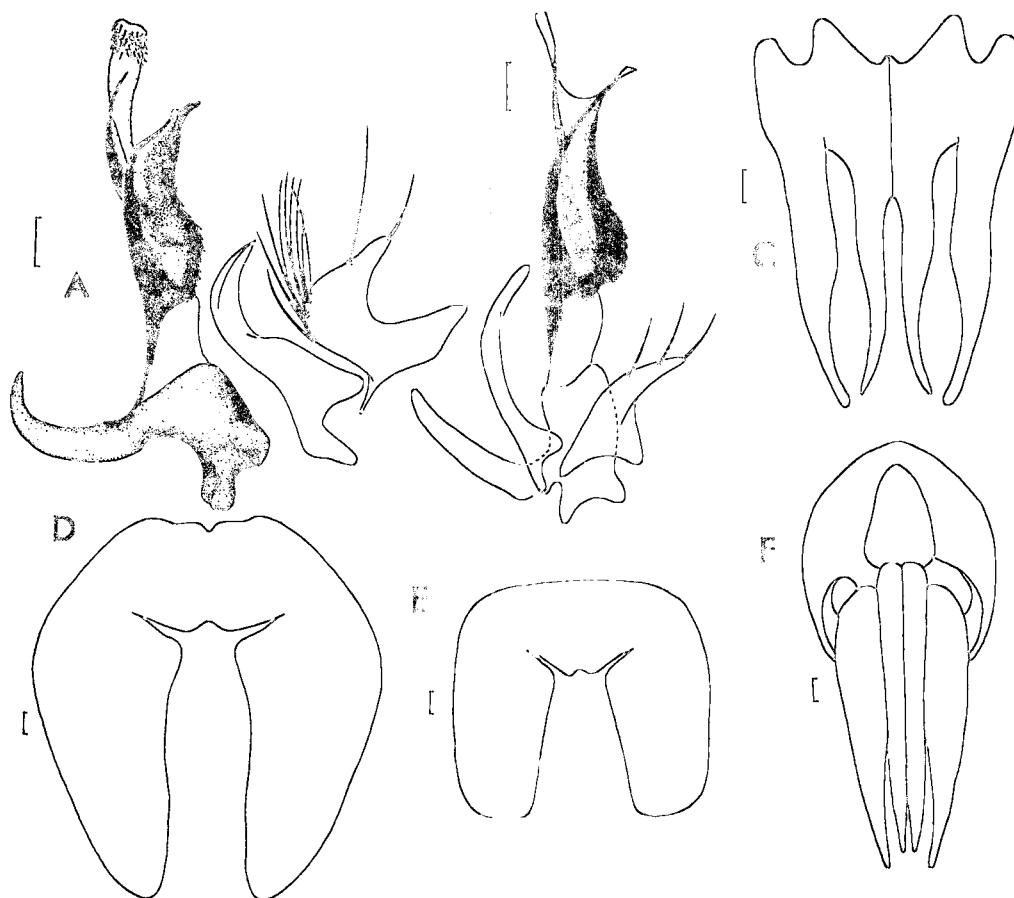


Fig. 1. *Calliphora subalpina* (A, D and F) and *Calliphora lato* (B, C and E). A and B, penis; C and F, forceps; D and E, 5th sternite (scale bars: 0.1mm).

**Abdomen:** Dark blue with silvery pollen; marginal bristles on the 4th and 5th tergites well developed; 1st and 2nd genital tergites metallic black with numerous black hairs; 5th sternite extraordinarily large; penis, parameres, 5th sternite and forceps as shown in Fig. 1.

**Distribution:** Korea, Japan and Europe

**Material examined:** 1♂, 30-VI-1986, 1♂, 4-VII-1986, Mt. Kaya (T. H. Jo); 13♀♀, 16-X ~ 6-XI-1986, Mt. Kaya (fly trap).

**Remarks:** *Calliphora subalpina* is closely related to *Calliphora lata* in the external features, but differs from the latter in having whitish squamae, large 5th sternite, distinctive penis and forceps. All specimens were collected at the altitude of 1,200m in Mt. Kaya.

### ABSTRACT

During the period from March to December 1986, the authors had made an intensive collection of Calliphoridae in Mt. Kaya. A close examination of the specimens revealed that one species, *Calliphora subalpina* was hitherto unrecorded from Korea. With the addition of this species, Korean Calliphorid flies consist of 15 genera 25 species in Calliphoridae.

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