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A monograph of the British Phytophagous Hymenoptera

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Genus Sapholytus.

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2. PERICLISTUS CANINÆ.

Pl. XIII, fig. 3, ♀.

Aylax caninæ, Htg., Germs. Zeits., ii, 196; Schenck, Nass. Cyn., 96 and 98; Tasch., Hym. Deut., 133; Mayr, Europ. Cyn., 11; Thoms., Opusc., viii, 800.

Black; the antennæ brownish or fuscous, darker at the scape; the legs pale reddish-yellow, the coxæ for the greater part black, opaque, finely shagreened; the mesopleuræ for the greater part shining and impunctate behind.

The ♂ is similar, and has generally the antennæ more or less testaceous at the base.

Length 1.5 to 2 mm.

Common in the galls of *Rhodites eglanteriæ*, several living in one gall, which they enlarge and distort.

Widely distributed.

Sweden, Germany.

Genus SAPHOLYTUS.

Sapholytus, Foerster, Verh. z.-b. Ges. Wien, 1869, 337; Mayr, l. c. xxii, 693.

Agrees with *Synergus* except that the radial cellule is open, and like that genus it is inquiline in oak-galls. The frontal groove is short; the marginal nervure does not reach to the margin of the wing.

Besides the one here recorded there are two other European species, namely, *S. Haimi*, Mayr, from galls on the Turkey oak, and *S. undulatus*; also on the Turkey oak in *Cynips cerricola*.

1. SAPHOLYTUS CONNATUS.

Pl. XIII, fig. 5, ♀.

Synergus connatus, Htg., Germs. Zeits., ii, 198.

— *erythroneurus*, Htg., l. c., 198.

Sapholytus connatus, Mayr, Verh. z.-b. Ges. Wien, xxii, 722; Thoms., Opusc. Ent., 798.

Black; the antennæ and legs rufo-testaceous; the coxæ and hind femora more or less blackish; wings hyaline; the nervures pallid-yellow; front very finely punctured, almost smooth; mesonotum finely transversely rugulose. Antennæ, ♀ 13-, ♂ 15-jointed; the third joint not twice the length of the fourth. Apex of petiole smooth. Frontal keels obsolete.

Length 1—2.5 mm.

I have two bred males with the hinder tibiæ infuscated.

Rare in galls of *Andricus noduli*, Clydesdale.

Sweden, Germany, Austria.

Genus CEROPTRES.

Ceroptres, Hartig, Germ. Zeit., ii, 186.

Face with two distinct parallel keels, proceeding from the antennæ to the clypeus. Antennæ with 12 joints in ♀, 15 in ♂; the antennæ in ♀ thickened towards the apex; the third joint as long as the fourth; in ♂ not incised or thickened. Pronotum in front with two acute converging keels. Parapsidal furrows incomplete. The scutellar foveæ small and indistinct. Median segment with two parallel straight keels and with a squarish median area. The second and third abdominal segments connate, occupying almost the whole abdomen; in the ♀ the second segment is shorter than the third. Radial cellule closed. Claws bifid.

The separating suture between the second and third abdominal segments is not easily seen, and was overlooked by Hartig.

The systematic position of *Ceroptres* has given rise to some divergence of opinion as to its affinities. Hartig, as was pointed out (vol. iii, p. 152), divided the family into two groups according as the second or third abdominal segment was the larger of the two. Hartig himself, not recognising the suture between the second and third segments, looked upon them as one only, and consequently he located *Ceroptres* with the gall-making and inquiline species. Schenck and Foerster, however, were aware of the presence of this suture, and seeing that the second segment was shorter than the third transferred *Ceroptres* to the *Figitina*, with which otherwise it has no affinity, either in habits or in its general body structure. We have,