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Fam. CULICIDÆ, *Haliday.*Genus CULEX, *Linn.*

CULEX CONTERRENS, Fœm.

Fusca ; proboscis et palpi fulva, apice nigra ; antennæ nigre, basi fulvæ ; thorax vitta dorsali testacea ; pectus testaceum ; pedes fulvi, robusti, femoribus tibiisque apice nigricantibus, tarsis nigricantibus albido fasciatis ; alæ subcinereæ apud costam fuscescentes.

Brown. Proboscis and palpi tawny, with black tips. Proboscis stout, straight, pubescent, as long as the head and the thorax. Antennæ black, tawny at the base. Thorax with a testaceous dorsal stripe. Pectus testaceous. Abdomen wanting. Legs tawny, pubescent, very stout; tips of the femora and of the tibiæ blackish; tarsi blackish, with whitish bands. Wings grayish, brownish towards the costa; veins brown. Length of the body 4? lines; of the wings 6 lines.

United States.

CULEX SOLLICITANS, Fœm.

Nigra, cervino tomentosa ; proboscis testacea, apice nigra ; antennæ basi testacea ; thorax nigro bivittatus ; latera et pectus albida ; abdomen maculis lateralibus nigris quadratis ; pedes graciles, tarsis nigris albo cinetis ; alæ subcinereæ, venis testaceis nigro hirtis ; halteres testacei apice fusei.

Black, with fawn-coloured tomentum. Proboscis long, slender, curved, testaceous, black towards the tip. Antennæ black, testaceous at the base. Thorax with two black stripes; sides and pectus whitish. Abdomen with two lateral black quadrate spots on each segment; the two apical segments with narrower spots. Legs slender; tarsi black, with white bands. Wings grayish; veins testaceous, fringed with minute black hairs. Halteres testaceous, with brown knobs. Length of the body 3 lines; of the wings 5 lines.

United States.

CULEX PERTURBANS, FÆM.

Fusca ; proboscis nigra, fascia lata sordide albida ; palpi nigri, basi testacei ; antennæ nigræ ; scutellum cinereo vittatum ; pectus ferrugineum ; abdomen fasciis vntreque cinereis ; pedes testacei, femoribus apice nigris, tibiis nigro trifasciatis, tarsis nigris albo cinctis ; alæ subcinereæ, venis testaceis.

Brown. Proboscis black, long, slender, straight, with a broad dingy whitish band in the middle. Palpi black, testaceous at the base. Antennæ black. Scutellum with a cinereous stripe. Pectus ferruginous. Abdomen with a cinereous band on the fore border of each segment ; under side cinereous. Legs testaceous ; femora with black tips ; tibiæ with three black bands ; tarsi black, with a white band at the base of each joint. Wings grayish ; veins testaceous, very thickly ciliated ; plumes brown. Halteres testaceous. Length of the body 3 lines ; of the wings 5 lines.

United States.

CULEX TERRITANS, FÆM.

Pallide fusca ; proboscis testacea, apice fuscens ; antennæ basi fusæ ; thorax testaceo trivittatus ; abdomen fasciis albidis, subtus testaceum ; pedes testacei ; alæ subcinereæ, venis fuscis subciliatis ; halteres testacei.

Pale brown. Proboscis testaceous, slender, brownish at the tip. Antennæ brown, testaceous at the base, as long as the proboscis. Thorax with three very slender testaceous stripes. Abdomen testaceous beneath ; dorsal segments with whitish hind borders. Legs testaceous, long and slender. Wings grayish ; veins brown, slightly ciliated. Halteres testaceous. Length of the body 3 lines ; of the wings 6 lines.

United States.

CULEX EXCRUCIANS, Fœm.

Fulva; proboscis testacea, apice fuscescens; antennæ fusca, basi testacea; abdomen fuscescens, fasciis testaceis; pedes testacei, tarsi pallide fuscis testaceo fasciatis; alæ subcineræ, venis testaceis subciliatis; halteres apice fusci.

Tawny. Proboscis testaceous, long, straight, slender, brownish at the tip. Antennæ brown, testaceous towards the base, a little shorter than the proboscis. Pectus paler than the thorax. Abdomen brownish, with a testaceous band on the hind border of each segment. Legs testaceous, long, slender; tibiæ darker than the femora; tarsi very pale brown, with a testaceous band at the base of each joint. Wings very slightly grayish; veins testaceous, slightly ciliated. Halteres testaceous, with brown knobs. Length of the body 4 lines; of the wings 7 lines.

Nova Scotia.

CULEX TERRENS, Mas.

Fusca, argenteo tomentosa; thorax fusco birittatus; abdomen nigricans, subtus argenteo fasciatum, lateribus pubescentibus; pedes nigricantes, femoribus apice albis, tarsi albo fasciatis; alæ subcineræ, venis fuscis subciliatis; halteres testacei apice fusci.

Brown, with silvery white tomentum. Proboscis slender, straight, as long as the palpi. Antennæ with whitish reflections. Thorax with two brown stripes. Abdomen blackish, very pubescent on each side, with silvery white bands beneath. Legs blackish; femora with white tips; tibiæ partly with whitish reflections; tarsi with white bands. Wings grayish; veins brown, slightly ciliated. Halteres testaceous, with brown knobs. Length of the body 3 lines; of the wings 5 lines.

South America.

CULEX EXAGITANS, Fœm.

Fusca; albo varia; palpi nigri, apice albi; thorax albido bivittatus; abdomen testacco varium, fasciis albidis maculisque lateralibus argenteis; pedes gracillimi, femoribus testaceis apice fuscis, genubus et tarsoram fasciis argenteis; alæ subcinereæ.

Brown, with white spangles. Proboscis slender, curved, partly testaceous. Palpi black, with silvery white tips. Thorax with two slender whitish stripes. Abdomen mostly testaceous in the disk, with a whitish band at the base of each segment, and with a row of silvery white dots along each side. Legs very slender; femora testaceous, with brown tips; knees silvery white; tarsi with silvery white bands. Wings grayish; veins brown, fringed with brown hairs. Halteres testaceous? Length of the body $2\frac{1}{2}$ lines; of the wings 4 lines.

Parà.

This species much resembles *C. toxorhynchus*, but the latter has not the whitish stripes on the thorax, nor the white dots on the abdomen.

CULEX DISCRUCIANS, Mas et Fœm.

Nigricans; pectus argenteum; abdomen purpureum, subtus testacco fasciatum; pedes purpurei, femoribus testaceis, genubus albo guttatis, tarsi fascia subapicali alba; alæ subcinereæ, venis fuscis subciliatis; halteres testacei, apice fuscii. Mas.—Antennæ testaceo fasciatæ.

Blackish. Proboscis long, slender. Pectus silvery whitish. Abdomen purple, with testaceous bands beneath. Legs purple, long, slender; femora testaceous, purplish towards the tips; a white dot on each knee; tarsi with a white subapical band. Wings grayish; veins brown, slightly ciliated. Halteres testaceous, with brown tips. *Male*.—Proboscis rather longer than the antennæ. Palpi much longer than the proboscis. Antennæ with testaceous bands. Length of the body 3 lines; of the wings 5 lines.

South America.

CULEX PERTERRENS, Fœm.

Fusca, sat valida; proboscis testacea, apice fusca; pectus testaceum; abdomen purpurascens, fasciis ventreque testaceis; pedes testacei, validi, pubescentes, femoribus tibiisque apice tarsisque fuscis; alæ cinereæ, venis nigricantibus subciliatis; halteres testacei.

Brown, rather stout. Proboscis testaceous, long, brown towards the tip. Antennæ brown, very little shorter than the proboscis. Pectus testaceous. Abdomen purplish, with a testaceous band on the fore border of each segment; under side testaceous. Legs testaceous, stout, pubescent; femora and tibiæ brown towards the tips; tarsi brown. Wings gray; veins blackish, slightly ciliated. Halteres testaceous. Length of the body 4 lines; of the wings 6 lines.

South America.

CULEX FLAVICOSTA, Fœm.

Fulva; proboscis testacea, apice nigra; palpi testacei; antennæ fuscæ, basi testacæ; pedes robusti, testacei, femoribus tibiis et tarsorum articulis apice nigris, tibiis posticis subpilosis; alæ subcinereæ, apice obscuriores, apud costam flavescentes, venis fuscis ciliatis.

Tawny. Proboscis and palpi testaceous. Proboscis slender, straight, black at the tip. Antennæ brown, testaceous at the base. Legs long, stout, testaceous; tips of the femora, of the tibiæ and of the joints of the tarsi black; hind tibiæ thinly clothed with short hairs; hind tarsi, excepting the metatarsus, black, the joints testaceous at the base. Wings grayish, darker at the tips, yellowish along the costa; veins brown, ciliated. Length of the body $3\frac{1}{2}$ lines; of the wings 6 lines.

Amazon Region.

CULEX COMMOVENS, Fœm.

Fusca, robusta ; proboscis testacea, supra apiceque nigricans ; palpi testacei ; antennæ testacæ fasciis nigricantibus ; thorax vittatus ? ; abdomen fulvo fasciatum ; pedes fulvi, validi, femoribus tibiis et tarsorum articulis apice fuscescentibus ; alæ limpidæ, venis testaceis fusco notatis.

Described from injured specimens. Brown, stout. Proboscis long, stout, straight, testaceous, blackish towards the base above and at the tip. Palpi testaceous, rather more than half the length of the proboscis. Antennæ testaceous, with very slender blackish bands, shorter than the antennæ. Thorax striped? Abdomen with tawny bands. Legs tawny, stout; tips of the femora, of the tibiæ and of the joints of the tarsi brownish. Wings limpid; veins testaceous, with some brownish marks. Length of the body 4 lines; of the wings 7 lines.

New Holland.

CULEX CRUCIANS, Fœm.

Fusca ; proboscis fulva, apice fusca ; antennæ nigræ, basi fulvæ ; pectus fulvum ; abdomen fasciis albido-testaceis ; coxæ et femora testacea ; alæ subcinereæ, venis fuscis subciliatis basi testaceis ; halteres testacei.

Brown. Proboscis slender, straight, tawny, brown at the tip. Antennæ black, shorter than the proboscis, tawny at the base. Pectus tawny. Abdomen darker than the thorax, with a whitish testaceous band in front of each segment. Legs brown; coxæ and femora testaceous. Wings grayish; veins brown, slightly ciliated, testaceous at the base. Halteres testaceous. Length of the body $3\frac{1}{2}$ lines; of the wings 6 lines.

Van Diëman's Land.

Genus ANOPHELES, Meigen.

ANOPHELES ANNULIPES, Fœm.

Fusca, gracillima, cano tomentosa; proboscis ex parte testacea; palpi albidii, fusco fasciati; thorax subvittatus; pedes longissimi, gracillimi, femoribus tibiisque albedo fasciatis, femoribus basi testaceis, tarsis fascia alba, posticis longissimis; alæ subcinereæ, venis fuscis dense ciliatis albedo fasciatis, costa nigricante maculis tribus albidis; halteres albidii.

Brown, very slender, with hoary tomentum. Proboscis partly testaceous, rather longer than the palpi. Palpi whitish, with brown bands, longer than the antennæ. Thorax indistinctly striped. Legs very long and slender; femora and tibiæ with numerous whitish bands; femora testaceous towards the base; tarsi with a white band; hind tarsi extremely long. Wings slightly grayish; veins brown, with whitish bands, thickly ciliated; costa blackish, with three oblong whitish spots. Halteres whitish. Length of the body 3—3½ lines; of the wings 6—7 lines.

Van Dieman's Land.

Fam. TIPULIDÆ, Haliday.

Genus TRICHOCERA, Meigen.

TRICHOCERA OCELLATA, Fœm.

Cinerea; antennæ nigræ; abdomen piceo-nigrum, apice et subtus apicem versus fulcum, pedes fulvi, tarsis nigris; alæ limpidaæ, ocellis plurimis incompletis cinereis; halteres testacei, apice fuscii.

Gray. Antennæ black. Abdomen piceous-black, tawny at the tip and beneath towards the tip. Legs dull tawny; tarsi black. Wings limpid, with very numerous gray marks, several of which form more or less perfect ringlets. Halteres testaceous, with brown knobs. Length of the body 3 lines; of the wings 8 lines.

East Indies.