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correct application of the name *Drosophila obscura* Fallen
and notes on the type of *D. tristis* Fallen

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syntypic series

Riksmuseum Stockholm

Dr. Malaise

1831. presented by Zetterstedt, who retained other specimens in his collection (a year after Fallen's death)

1847. *tristis*

type of *D. obscura* ♂

(*D.* sp. n. nr. *obscuroides* (to be described by Mr. E.B. Basden))

lectotype

tarsal sexcombs $t_1 = 8$ $t_2 = 7$ wings clear

external process of the genital arch tapering & sl. truncate at tip

median process long graceful \pm upcurved at tip

clasper

combs long, 9 teeth

helvetica ext. process very broadly rounded & partly recurved
med. process short stubby
combs arranged rather irregularly

tristis ext pr.: long broad, flat
med pr.: long straight
combs teeth arranged along a shallow curve
(very similar to *tristis*)
combs straighter.

umbigua

bifasciata ext pr.: elongated, rounded, club-shaped

med pr.: shorter and broader than type *obscura*

comb straight, regular

subobscura

ext. pr. drawn out apically into a long flattened point

med pr. very large & broad, short.

combs short, regular

obscuroides

ext pr. elongated, wedge shaped

med pr. longer, more slender than any other spp

internal process bear a long straight comb

genital sternite more ample and protuberant

penis

longer appendages

ventral pair \pm laterally dilated and flattened toward tip

labelled

A specimen under the name D. tristis in Zetterstedt's collection 'e Mus Fall'

D. tristis the specimen standing under that name in Fallén's collection is not the original type because it is a specimen of the Diastata punctum Meigen (1830: 98) of Zetterstedt (genus Campichoeta) Macquart (1835: 547), Thryptochaeta Rondani (1836: 134). This specimen would never have been placed by Fallén himself in Prorophala, neither would he have described it as D. obscura. ^{vix} ^{scarcely} differre videtur (1823: 47) consisting the very slight resemblance it has to that species. Zetterstedt 1847: 2555, redescrbing Fallén's species tristis, wrote: 'Ipsissimum specimen, quod descripsit Fallén jam ante oculos habeo, & illud cum nostris bene congruentibus comparavi'. Further, Zetterstedt (1847: 2538-9) described Diastata punctum a few pages earlier in the same volume; and it is inconceivable that he should have confused a specimen of this sp with D. tristis.

D. tristis : jawless below the eyes are distinctly wider than in subobscura,

Collin J.E. 1936 In Gordon, C. 1936 The frequency of heterozygosis in free-living populations of D. melanogaster and D. subobscura. J. Genet. 33: 25-60.

Macquart M. 1835 Histoire des Insectes Diptères. 2 Paris
Rondani, C. 1836 Dipterologiae Italicae Prodrumus. 1, Parma,
Zetterstedt J.W. 1847 Diptera Scandinaviae. 6

note [tip of genital arch - external process
primary clasper - internal process
~~median~~ ^{secondary} clasper - median process.
HSU 199 can etc.

