

Some Neuroptera, Mecoptera, and Trichoptera from Norway.

By

BO TJEDER.

I have recently had an opportunity of looking through a collection of *Neuroptera*, *Mecoptera*, and *Trichoptera* belonging to Mr. Fritz Jensen, Stavanger. All the specimens have been taken by Mr. Jensen accidentally together with his captures of *Coleoptera*. The collection therefore comprises chiefly larger and more conspicuous species, but contains nevertheless 4 species, new to Norway. Most of the species taken by Mr. Jensen are little known in Norway, and a list of his captures — also of pretty common species — should not accordingly be considered as superfluous.

Neuroptera.

- Raphidia xanthostigma* Schumm. — Vandsjö, 1 ♀, 26.VI. 1926.
Hemerobius humulinus L. — Vest Agder: Lyngdal, Sjugane,
1 ♂.
» *stigma* Steph. — Rogaland: Hana near Sandnæs,
1 ♀, 20.VII.
Boriomyia concinna Steph. — 2 ♀ labelled Ryfylke.
» *nervosa* Fabr. — Stavanger, 1 ♂.
» *mortoni* Mac Lachl. — Troms: Solvang on River
Maalselven, 1 ♂, 30.VI. 1930.
Micromus paganus L. — 1 ♀ labelled Jæderen.
Chrysopa carnea Steph. (*vulgaris* Schneid.) — 2 ♀ labelled
Ryfylke.
» *perla* L. — Rogaland: Ims, ♂♀, July 1929.
» *abbreviata* Curt. — Rogaland: Oгна, 1 ♂.
» *vittata* Wesm. — Rogaland: Jæderen, Reve, 1 ♀,
10.V. 1928.

Mecoptera.

- Panorpa communis* L. — Vandsjö, ♂♀, 26.VI. 1926.

Trichoptera.

Rhyacophila nubila Zett. — Rogaland: Stavanger, Jæderen, and Høle, several examples.

Neureclipsis bimaculata L. — Rogaland: Stavanger and Jæderen, a few specimens.

Polycentropus flavomaculatus Pict. — Rogaland: Jæderen and Høle, 2 ♀.

Plectrocnemia conspersa Curt. — Rogaland: Stavanger, Jæderen, Reve, Ims, and Meling in Høgsfjord, several examples. — Troms: Rundhaug and Solvang on River Maalselven, 2 ♂, 27. and 30.VI. 1930.

Tinodes wæneri L. — Rogaland: Lyse, 1 ♂, 7.VII. 1929.

Phryganea grandis L. — Rogaland: Stavanger, and Jæderen, Reve, Hana, and Sola, a few specimens.

Phr. striata L. — Hordaland: Bergen, 1 ♂, 28.VI. — Rogaland: 1 ♀ labelled Ryfylke.

Phr. varia F. — Rogaland: Ims in Høgsfjord, 1 ♂, 2 ♀.

Neuronia ruficrus Scop. — Troms: Rundhaug on River Maalselven, 1 ♀, 27.VI. 1930.

Mystacides azurea L. — Rogaland: Høle, 1 ♂, August 1928, and 2 ♂ labelled Jæderen and Ryfylke.

Oecetis ochracea Curt. — Rogaland: Tou, 1 ♂, 1925; Høle, 1 ♂, August 1928; and 1 ♂, 2 ♀, labelled Ryfylke. New to Norway.

Colpotaulius incisus Curt. — Rogaland: Høle, 1 ♀, August 1928.

Limnophilus rhombicus L. — Rogaland: Ims in Høgsfjord, 2 ♀, July 1929.

L. flavicornis F. — Rogaland: Sola, Moi, and Ims, a few specimens.

L. marmoratus Curt. — Rogaland: Ims, 1 ♀, 1929; Reve, 1 ♂, 18.VIII. 1928.

L. stigma Curt. — Rogaland: Sola and Ims, 5 specimens.

L. xanthodes Mac Lachl. — Rogaland: 1 ♂ labelled Ryfylke. Has not before been recorded from Norway.

L. lunatus Curt. — Rogaland: Ims in Høgsfjord, 2 ♂, 6.VII. 1929. Also this species is new to Norway.

L. elegans Curt. — Rogaland: Ims in Høgsfjord, 2 ♀, 1929.

L. pantodapus hyalinus Wall. — Dovre: Fokstua, 1 ♂, 21.VI. 1929.

Limnophilus centralis Curt. — Rogaland: ♂ and ♀ labelled Ryfylke.

L. vittatus F. — Rogaland: Høle, 1 ♂, August 1928; Hana, 2 ♀, 20.VII.

L. affinis Curt. — Rogaland: Höle, 1 ♂, August 1928; Reve, 1 ♂, 18.VIII. 1928; 1 ♂ labelled Jæderen and 1 ♂ labelled Ryfylke.

L. auricula Curt. — Rogaland: Meling in Høgsfjord, 1 ♀, July 1922.

L. griseus L. — Rogaland: Stavanger, 1 ♂, 20.—30.VII. 1930.

L. extricatus Mac Lachl. — Rogaland: Meling in Høgsfjord, 1 ♂, 8.VIII.

L. luridus Curt. — Rogaland: Reve, 1 ♂, 18.VIII. 1928; 1 ♀ labelled Jæderen. New to Norway.

L. sparsus Curt. — Rogaland: Hana, 1 ♀ July 1923; Reve, 1 ♀, 18.VIII. 1928; ♂ and ♀ labelled Jæderen.

L. fuscicornis Ramb. — Rogaland: Reve, 1 ♂ 18.VIII. 1928; 1 ♀ labelled Jæderen.

Asynarchus coenosus arcticus Kol. — Rogaland: Hana, 1 ♂ July 1923; Reve, 1 ♀, 18.VIII. 1928.

Stenophylax stellatus Curt. — Rogaland: Reve, 1 ♂, 18.VIII. 1928; Inland (near Suldal), 1 ♀ August 1923; Ims in Høgsfjord, 1 ♀ 1929.

Micropterna sequax Mac Lachl. — Vest Agder: Lyngdal, 1 ♀, 17.VII. 1929. — Rogaland: Höle, 2 ♀ August 1928; Sola, 1 ♂, 15.VI. 1929; Mosvand (in Stavanger) 1 ♀, 27.VI. 1928; Rosenli (in Stavanger) 1 ♂ 1928; ♂ and ♀ labelled Ryfylke.

M. lateralis Steph. — Rogaland: Sola, 1 ♀, July 1929; Mosvand (in Stavanger), 1 ♀, 27.VI. 1928; 1 ♂ labelled Jæderen and 1 ♂ labelled Ryfylke. — Troms: Maalsnæs, 1 ♂, 2.VII. 1930.

Halesus radiatus Curt. — Rogaland: Suldal, 1 ♂, August 1923; Ims in Høgsfjord, 1 ♀ 1929.

Chilostigma sieboldi Mac Lachl. — Rogaland: Stavanger, 1 ♀, 20.—30.VII. 1930. This very late date is worthy of notice.

Apatelia zonella Zett. (*arctica* Boh.). — Troms: Rundhaug on River Maalselven, 3 ♀, 27.VI. 1930 (determined by Mr. K.-H. Forsslund).

Sericostoma personatum Spence. — Rogaland: Höle, 1 ♀, 27.V. 1929.