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6. *Sketch of a revision of the genera of Mithracidæ*; by W. M. STIMPSON.—The old genus *Mithrax* was divided into three groups by Milne-Edwards, (Hist. Nat. des Crust., i. 318), *Mithrax triangulaires*, *M. transversaux*, and *M. déprimés*. These groups are now considered of generic value. For the first group De Haan has proposed the name *Dione*, which cannot however be adopted, as it was previously applied to a genus of Lepidoptera, by Hübner. It is also used for a bivalve shell. To the third group White gave the name *Mithraculus*, which was adopted by Dana.

In the Proceedings of the Zoological Society of London, 1847, p. 222, Mr. Adam White gives a wood-cut of a maioid crustacean, to which he applies the name *Schizophrys*, with the following description: "Carapax oval, depressed, somewhat attenuated behind; beak deeply cloven; upper orbit deeply cloven, with a strong tooth in the middle of the cleft; under orbit an elongated appendage on the inside, with two teeth at the end. Tæle of male with 7 joints, the sides nearly parallel. Fore-legs shortest. Fingers without teeth." This genus, in the catalogue of the British Museum, is placed between *Othonia* and *Pericera*. But if we consider that by the "elongated appendage on the inside" of the orbit, Mr. White probably means the basal joint of the external antennæ, and observe how closely the figure corresponds to young crabs belonging to De Haan's genus *Dione*, the conclusion is unavoidable that *Schizophrys* is really synonymous with the *Mithrax triangulaires* of Milne-Edwards, and as such we here adopt it. In the following synopsis new characters are introduced; some new genera are described, and a list given of the species known up to the present date.

A. Maxillipedis externi merus margine antico integer.

MITHRACULUS, White. (*Mithrax*, pro parte, De Haan, Fauna Jap. Cr. 82.) Carapax depressus, rostro brevissimo vel nullo.—*M. sculptus*, (M.-Edw.), *M. nodosus*, (Bell.) *M. denticulatus*, (Bell.) *M. coronatus*, (Herbst.) *M. cinctimanus*, Stm.

B. Maxillipedis externi merus angulo antero-interno excisus, ad palpum incipiendum.

a. Frons angusta. Orbitæ parvæ, profundæ, oculos pæne operientes. MITHRAX, Leach. Carapax plus minusve transversus. Orbita multifissa, margine dentibus vel tuberculis armata.

1. Antennæ externæ articulus basalis spinis tribus armatus.—*M. verrucosus*, M.-Edw., *M. aculeatus*, (Herbst.)

2. Antennæ externæ articulus basalis spinis duabus armatus.—*M. spinosissimus*, (Lamk.), *M. hispidus*, (Herbst.) *M. ursus*, Bell, *M. rostratus*,

Bell, *M. pygmaeus*, Bell, *M. cornutus*, De S., *M. armatus*, De S., *M. tuberculatus*, Stm.

TELEOPHRYS, nov. gen. Carapax antice triangularis, postice et lateraliter rotundatus, sulco cervicali sat profundo. Orbita margine supero externoque integra, nec dentata.—*T. cristulipes*, Stm.

b. Frons lata. Oculi majores. Orbitæ grandes, non profundæ, late fissæ, oculos non operientes.

SCHIZOPHRYS, White. (*Dione*, De Haan.) Carapax ovato-triangularis. Rostrum longum, bifidum, cornibus bidentatis.—*S. dichotoma*, (Latr.) *S. affinis*, (De Haan.) *S. aspera*, (M.-Edw.), *S. serrata*, White, *S. spinigera*, White, *S. dama*, (Herbst.)

CYCLOMAIA, nov. gen. Carapax orbiculatus, antrorsum quam retrorsum vix angustior. Rostrum brevissimum, bifidum, cornibus acutis, non dentatis. Oculi grandes, sat breves. Antennæ externæ articulus basalis trispinosus, spinis superne conspicuis. Maxillipidis externi merus apice interno profunde sinuatus. Pedes mediocres.—*C. suborbicularis*, Stm.

CYCLAX, Dana. *Cyclomaia* carapacem affinis. Oculi longi; pedes longi, tenues.—*C. Perryi*, Dana.

*Mithraculus*, *Mithrax*, and *Teleophrys* are American; *Schizophrys*, *Cyclomaia* and *Cyclax*, old-world types.

*Archiv für Naturgeschichte*, vol. xxiv, for 1858; Berlin, 1859:—contains the following articles of special interest:—Anatomy and development of Copepods, with 2 plates; *Claus*.—Descriptions of new Chilian Vertebrates by *Dr. Philippi*.—Revision of the Gadidæ, Soleinæ, and Plagusinæ; *Kaup*.—(Mr. Kaup considers our *Morrhua pruinosa* and *M. americana* as one species and identical with *M. vulgaris*!)—Geographical and historical remarks on certain mammals; *Martens*.—On the species of *Velutina*; *Martens*.—On Annelids of the Brazilian Coast, 2 plates; *F. Müller*.—Enthelminthica, 2 plates; *Wagner*.—Anatomy and Histology of some Trematodes; *Walter*.—New Batrachians, *Günther*.—On the hard-cheeked Acanthopterygians; *Kaup*. (The number of genera very much reduced.)—Critical remarks on Castelnau's Silurians. *Loer*.





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