

De meeste van deze belangwekkende voordrachten werden toegelicht met kleinbeeld-lantaarnplaatjes, grafieken, enz. Naar aanleiding van deze voordrachten ontsponnen zich de gebruikelijke discussies, welke met het oog op de beschikbare tijd veelal bekort moesten worden.

Nadat dan niemand verder het woord verlangt, sluit de Voorzitter deze interessante bijeenkomst onder dankzegging aan de sprekers en aan allen die verder tot haar welslagen hebben bijgedragen.

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## The generic and subgeneric names of the European Julidae generally referred to *Schizophyllum* Verhoeff, 1895, (Diplopoda, Julida)

by

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The millipede described as *Julus sabulosus* by LINNAEUS in the 10th edition of his *Systema Naturae* is a well-known and widely distributed European julid. In publications of the last decennia the species has been referred to under the generic name of *Schizophyllum* Verhoeff, 1895.

As *Schizophyllum sabulosum* we find it also in SCHUBART's handbook on the diplopods in the "Tierwelt Deutschlands" of 1934, but curiously enough the species is referred here to a subgenus *Bothroiulus* Verhoeff, 1894, a name apparently proposed prior to *Schizophyllum*. Some investigation of the origin of this remarkable nomenclatorial condition soon revealed that the problem of the valid generic name for *Julus sabulosus* L. was far more complicated than was thought at first, and that it could not be solved by merely reversing the status of *Schizophyllum* and *Bothroiulus*.

The first name based on a species of the genus to which *sabulosus* belongs currently was *Archiulus* Berlese, 1886. The type-species was originally designated to be *Julus sabulosus* itself, but *Archiulus* Berlese is preoccupied by *Archiulus* Scudder, 1868, and is, therefore, invalid.

A second genus-group name for a species of the genus was *Hemipodoiulus* Verhoeff, 1892, which was based monotypically on *Julus karschi* Verhoeff, 1892, now generally considered to be a junior subjective synonym of *Julus moreleti* Lucas, 1860.

The next was *Mesoiulus* Verhoeff, 1893, and it was based on *Julus sabulosus* L. and *Julus porathi* Verhoeff, 1893. A type-species was never designated, but the name is preoccupied by *Mesoiulus* Berlese, 1886, and, therefore, invalid.

*Palaioiulus* Verhoeff, 1894, and *Bothroiulus* Verhoeff, 1894, were proposed simultaneously, *Palaioiulus* as a generic name, *Bothroiulus* as a subgeneric name for the same two species: *Julus sabulosus* L. and *Julus mediterraneus* Latzel, 1884,

The type-species were designated much later by ATTEMS, who in 1927 selected *Julus sabulosus* as type of *Palaioiulus* (ipso facto via designation of the type of *Schizophyllum*), and in 1952 made *Julus mediterraneus* the type of *Bothroiulus*.

Later the same year followed *Eleutheroiulus* Verhoeff, 1894. It was based on two species, *Julus oliveirae* Verhoeff, 1893, and *Julus dorsovittatus* Verhoeff, 1893, and the type was subsequently designated by SILVESTRI in 1896 to be *Julus oliveirae*.

At last we arrive at the proposal of *Schizophyllum* Verhoeff, 1895. It was introduced as a substitute for *Palaioiulus* ("Ich gebe diesen Namen auf, weil er unzweckmässig ist"), and its type-species became *Julus sabulosus* by designation of ATTEMS, 1927.

As *Julus karschi*, *J. sabulosus*, *J. mediterraneus* and *J. oliveirae* are generally considered to be congeneric it is clear that the proposal of *Schizophyllum* was preceded by that of four other available names. Of these, *Hemipodoiulus* is the first, and this name would have to replace *Schizophyllum* henceforward.

However, since *Schizophyllum* must be dropped as a generic name anyway, the possibility presents itself to tie down one of the older genus-group names the status of which remained to be settled. As such *Ommatoiulus* Latzel, 1884, is available. It was proposed by LATZEL as a subgeneric name in the genus *Julus* to include some twenty-five species, now belonging to various genera, among which *Julus sabulosus*. As the characters upon which it was based were not recognized by subsequent authors to have any taxonomic importance, *Ommatoiulus* was dropped and a type-species was never designated. Under the present circumstances it seems best to settle the status of this name by presently designating *Julus sabulosus* as the type.

The consequences of the above discussion are summarized in the following survey of the available names involved, to which are added for completeness sake the subsequently proposed genus-group names taxonomically associated with *Schizophyllum*.

**Ommatoiulus** Latzel, 1884 (Die Myriopoden der österreichisch-ungarischen Monarchie 2 : 67, 277).

Type-species. — *Julus sabulosus* Linnaeus, 1758 (Systema Naturae, 10th ed.: 640), by present designation.

Synonym:

*Archulus* Berlese, 1886 (Boll. Soc. ent. ital. 18 : 84), preoccupied.

Type-species. — *Julus sabulosus* Linnaeus, 1758 (l.c.), by original designation.

*Mesoiulus* Verhoeff, 1893 (Zool. Anz. 16 : 480), preoccupied.

Type-species. — *Julus sabulosus* Linnaeus, 1758 (l.c.), by present designation.

*Palaioiulus* Verhoeff, 1894 (Verh. zool.-bot. Ges. Wien 44 : 30, 31).

Type-species. — *Julus sabulosus* Linnaeus, 1758 (l.c.), by subsequent designation of ATTEMS, 1927 (Abh. senckenb. naturforsch. Ges. 39 : 275).

*Schizophyllum* Verhoeff, 1895 (Zool. Anz. 18 : 243).

Type-species. — *Julus sabulosus* Linnaeus, 1758 (l.c.), by subsequent designation of ATTEMS, 1927 (l.c.).

**Hemipodoiulus** Verhoeff, 1892 (*Zool. Anz.* 15 : 380).

Type-species. — *Julus karschi* Verhoeff, 1892 (l.c.), by monotypy.

**Bothroiulus** Verhoeff, 1894 (*Verb. zool.-bot. Ges. Wien* 44 : 30, 31).

Type-species. — *Julus mediterraneus* Latzel, 1884 (Die Myriopoden der österreichisch-ungarischen Monarchie 2 : 336), by subsequent designation of ATTEMS, 1952 (*Eos* 28 : 364).

**Eleutheroiulus** Verhoeff, 1894 (*Verb. zool.-bot. Ges. Wien* 44 : 152, 154).

Type-species. — *Julus oliveirae* Verhoeff, 1893 (*Zool. Anz.* 16 : 161), by subsequent designation of SILVESTRI, 1896 (*Annali Mus. civ. Stor. nat. Genova* 36 : 170).

**Apareiulus** Brölemann, 1897 (*Annls Sci. nat., Zool.*, (8) 4 : 255).

Type-species. — *Julus lapidarius* Lucas, 1846 (*Revue zool. Soc. cuvier.* 9 : 285), by monotypy.

**Solaenophyllum** Verhoeff, 1910 (*Nova Acta Acad. Caesar. Leop. Carol.* 92 : 195).

Type-species. — *Schizophyllum corunnense* Verhoeff, 1910 (l.c.: 198), by original designation.

**Megaschizophyllum** Verhoeff, 1910 (l.c.).

Type-species. — *Schizophyllum hoplites* Verhoeff, 1910 (l.c.: 197), by original designation.

**Elaphophyllum** Verhoeff, 1921 (*Arch. Naturgesch.* 86A (12): 72).

Type-species. — *Schizophyllum cornigerum* Verhoeff, 1921 (l.c.), by subsequent designation of ATTEMS, 1952 (*Eos* 28 : 365).

**Rossiulus** Attems, 1926 (in: KÜKENTHAL & KRUMBACH (ed.), *Handbuch der Zoologie* 4 : 191, 224).

Type-species. — *Rossiulus strandi* Attems, 1927 (*Arch. Naturgesch.* 92A (1/2): 246), by subsequent designation of ATTEMS, 1927 (l.c.: 245).

**Sarmatiulus** Lohmander, 1927 (*Zool. Anz.* 72 : 229).

Type-species. — *Schizophyllum kessleri* Lohmander, 1927 (l.c.: 226), by original designation.

**Schistocoxitus** Attems, 1927 (*Abb. senckenb. naturforsch. Ges.* 39 : 286).

Type-species. — *Archiulus cingulatus* Attems, 1927 (l.c.), by original designation.

**Thrinaciulus** Attems, 1952 (*Eos* 28 : 364).

Type-species. — *Archiulus andalusius* Attems, 1927 (*Abb. senckenb. naturforsch. Ges.* 39 : 282), by original designation.

**Thylophorus** Attems, 1952 (l.c.).

Type-species. — *Schizophyllum clavigerum* Verhoeff, 1921 (*Arch. Naturgesch.* 86A (12): 70), by original designation.

**Kabylinum** Attems, 1952 (l.c.).

Type-species. — *Schizophyllum tetuanum* Attems, 1903 (*Zool. Jb. (Syst.)* 18 : 145), by original designation.