

Mitt. bad. Landesver. Naturkunde u. Naturschutz	N. F. 8	2	261—265	Fig. 41	Freiburg im Breisgau 15. Oktober 1962
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Some *Symphyla* and *Pauropoda* (*Myriapoda*) from South-Western Germany

by

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Fig. 41

Im April 1961 sammelte Professor Dr. PER BRINCK, Direktor des Zoologischen Institutes der Universität Lund, Schweden, im Kaiserstuhl Myriopoden (Tausendfüßler) aus den Gruppen der Symphylen (Zwergfüßler) und der Pauropoden (Wenigfüßler), die von einem Spezialisten hier beschrieben werden. Es handelt sich um 5 Arten (32 Individuen) der Symphylen und 14 Arten (122 Individuen) der Pauropoden. Alle Arten besitzen ein weites Verbreitungsgebiet mit Einschluß Deutschlands, doch fehlten bei einigen von ihnen bisher genaue Fundortangaben. Wir freuen uns, diese Arbeit über eine bei uns sehr vernachlässigte Tiergruppe veröffentlichen zu können, von der im Kaiserstuhlbuch des Landesvereines eine Art genannt ist. (M. SCHNETTER)

The following list of *Symphyla* and *Pauropoda* represents the material collected by Dr. PER BRINCK (Zoological Institute, Lund, Sweden) during his visit to the Kaiserstuhl district in Baden in April 1961. The collection comprises 32 specimens of *Symphyla* and 122 of *Pauropoda*. Most of the species are of very wide distributional areas and earlier known from Germany but some of the species have not been reported from any exact locality from this country until now, including the *Symphyla Symphylella elongata* SCHELLER, *Scutigereilla causeyae* MICHELbacher and *Scutigereilla nodicercus* MICHELbacher; among the *Pauropoda* *Allopauropus barcinonensis* REMY and *Allopauropus meridianus* REMY.

Symphyla

Fam. Scolopendrellidae

Gen. *Symphylellopsis*

1. *Symphylellopsis subnuda* (HANSEN)

Vogelsang, leafy wood, 3 ad.¹, 2 juv. 11, 1 juv. 9, 23. IV. — 1 km E. of Schellingen, beech wood, 2 juv. 11, 1 juv. 10, 23. IV. — Katharinaberg, 2 juv. 11, 25. IV. — 11 specimens.

This species has been previously recorded from Germany by HANSEN (1903) and REMY (1943).

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¹ Abbreviations: ad. = a specimen with the maximum number of legs; juv. = a juvenile specimen with the number of pairs of legs indicated.

Gen. *Symphylella*2. *Symphylella elongata* SCHELLER

Katharinaberg, 2 ad. 2 juv. 10, 25. IV. — 4 specimens.

It was originally described from Sweden where it has been collected from only one locality besides the type locality. Elsewhere, this species is not common. HINSCHBERGER (1953) has studied three juvenile *Symphylella* specimens from Bonifacio on the island of Corsica which she referred to this species and ROCHAIX (1954) found a *Symphylella*-larva in a collection from the eastern Pyrenees which possibly belongs to this species. No other previous records are known.

The opportunity did not arise for me to include in the description of *S. elongata* (1952) details for the arrangement of the setae of the cerci. In general the cerci have a certain resemblance to those of *vulgaris* but are distinguished from them by the proportionately larger terminal area and the occurrence of some long setae on the dorsal surface. Moreover, there are similar long setae on the outer surface and the most proximal pair of ventral protruding setae are located nearer the base of the cerci in *elongata* (Fig. 41) than in *vulgaris*.

The arrangement of the setae of the terga agrees essentially with that of the Swedish types but it must be mentioned that some of the triangular processes bear a seta inserted between the apical and the inner basal seta.

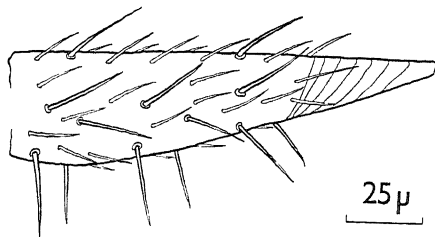


Fig. 41: *Symphylella elongata* SCHELLER. — Left cercus from outer lateral side.

Fam. *Scutigerellidae*Gen. *Scutigerella*3. *Scutigerella causeyae* MICHELBACHER

1 km E. of Schelingen, beech wood, 1 ad., 23. IV. — 1 specimen.

S. causeyae is hitherto known only from the American type locality (MICHELBACHER 1942) and from Great Britain (EDWARDS 1959). However, according to the latter author, it seems to be the commonest *Scutigerella*-species in Britain.

4. *Scutigerella immaculata* (NEWPORT) emend. MICHELBACHER.

0.5 km E. of Schelingen, under stone, 8 ad., 1 juv. 9, 1 juv. 8, 23. IV. — Katharinaberg, 2 ad., 1 juv. 9, 25. IV. — 13 specimens.

S. immaculata in the sense of NEWPORT has been recorded from numerous localities in this country by several authors but after MICHELBACHER's splitting of it (1942) no one has studied German material of this taxonomically complicated genus. Therefore, Dr. BRINCK's collection is of great interest.

5. *Scutigerella nodicercus* MICHELBACHER

Vogelsang, leafy wood, 1 ad., 1 juv. 10, 1 juv. 8, 23. IV. — 3 specimens.

It has not been previously reported from any exact locality in Germany but it is probable that some of the specimens studied by earlier investigators may

have belonged to it. GISIN mentions (1951) in his key to the European *Scutigere* that it occurs in Switzerland and the Austrian and German Alps but he does not give any details about localities.

Pauropoda

Fam. *Pauropidae*

Gen. *Stylopaupopus*

1. *Stylopaupopus pedunculatus* (LUBBOCK)

0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 5 ad. 9² (♀ ♀), 3 ad. 8 (♀ ♀), 2 juv. 6, 2 juv. 5, 23. IV. — 12 specimens.

This species is widely distributed: Europe, North Africa, Indo-China, Australia and North America.

2. *Stylopaupopus pubescens* HANSEN

Vogelsang, leafy wood, 2 ad. 9 (♀ ♀), 2 ad. 8 (♀ ♀), 1 juv. 6, 23. IV. — 1 km E. of Schelingen, beech wood, 7 ad. 9 (1 ♂, 6 ♀ ♀), 2 ad. 8 (♀ ♀), 1 juv. 5, 23. IV. — 0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 7 ad. 9 (2 ♂ ♂, 5 ♀ ♀), 5 ad. 8 (♀ ♀), 1 juv. 6, 1 juv. stage?, 23. IV. — 29 specimens.

It is not known outside Europe.

Gen. *Paupopus*

3. *Paupopus furcifer* SILVESTRI

0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 ad. (♂), 23. IV. — 1 specimen.

P. furcifer has been collected in Europe, North Africa and New Zealand.

4. *Paupopus huxleyi* LUBBOCK

Vogelsang, leafy wood, 1 ad. 9 (♀), 1 juv. 6, 23. IV. — 1 km E. of Schelingen, beech wood, 7 ad. 9 (♀ ♀), 23. IV. — 0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 ad. 9 (♀), 1 juv. 6, 23. IV. — Katharinaberg, 2 ad. 9 (♀ ♀), 25. IV. — 13 specimens.

Its general distribution is nearly identical with that of the preceding species.

5. *Paupopus lanceolatus* REMY

Vogelsang, leafy wood, 2 ad. 9 (♀ ♀), 23. IV. — 0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 ad. 9 (♂), 23. IV. — 3 specimens.

Its wide distributional area includes Europe, North America and Australia.

Gen. *Allopaupopus*

6. *Allopaupopus (Allopaupopus) danicus* HANSEN

Katharinaberg, 4 ad. 9 (♂ ♂), 25. IV. — 4 specimens.

This is a very widely distributed species: Europe, Africa, Madagascar, Mascarene Islands and North America.

² Abbreviations: ad. = an adult specimen with the number of pairs of legs indicated. juv. = a juvenile specimen with the number of pairs of legs indicated.

7. *Allopauropus (A.) helveticus* HANSEN

Vogelsang, leafy wood, 1 ad. 9 (♀), 1 juv. 6, 23. IV. — 0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 ad. 8 (♀), 23. IV. — Katharinaberg, 1 ad. 9 (♀), 25. IV. — 4 specimens.

A. helveticus s. lat. has been recorded from the western part of Europe, North Africa and North America.

8. *Allopauropus (A.) multiplex* REMY

Vogelsang, leafy wood, 1 ad. 9 (♀), 23. IV. — 1 specimen.

This species is known from Europe and North Africa only.

9. *Allopauropus (Decapauropus) barcinonensis* REMY

0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 ad. 9 (♂), 23. IV. — 1 specimen.

It has not been recorded from Germany before but it is previously known from the western part of Europe, from North Africa and North America.

10. *Allopauropus (D.) cuenoti* REMY

Vogelsang, leafy wood, 1 ad. 10 (♀), 1 ad. 9 (♀), 23. IV. — 1 km E. of Schelingen, beech wood, 2 ad. 9 (♂, ♀), 23. IV. — 0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 2 ad. 9 (♂, ♀), 1 juv. 3, 23. IV. — 7 specimens.

A. cuenoti is widely distributed in Europe and has been collected in North Africa, on the Mascarene Islands and in North America.

11. *Allopauropus (D.) gracilis* (HANSEN) var. *sequanus* REMY

Vogelsang, leafy wood, 2 ad. 9 (♂, ♀), 23. IV. — 0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 ad. 9 (♀), 23. IV. — Katharinaberg, 5 ad. 9 (♀♀), 25. IV. — 8 specimens.

This variety of the widespread *gracilis* has been reported from Europe, North Africa and North America.

12. *Allopauropus (D.) meridianus* REMY

0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 ad. 9 (♀), 1 ad. 8 (♀), 23. IV. — 2 specimens.

Compared with the majority of the species mentioned above its known distribution is fairly restricted as it has not been reported outside Europe. The specimens from Schelingen are the first from Germany.

13. *Allopauropus (D.) vulgaris* (HANSEN)

Vogelsang, leafy wood, 26 ad. 9 (3 ♂♂, 23 ♀♀), 1 ad. 8 (♀), 23. IV. — 1 km E. of Schelingen, beech wood, 1 ad. 9 (♀), 23. IV. — 0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 ad. 9 (♀), 23. IV. — Katharinaberg, 7 ad. 9 (♀♀), 25. IV. — 36 specimens.

Its known distributional area is nearly identical with that of *A. cuenoti* but it has also been found on Madagascar.

Fam. *Scleropauropidae*Gen. *Scleropauropus*14. *Scleropauropus (Scleropauropus) lyrifer* REMY

0.5 km E. of Schelingen, a south slope facing the hinder parts of Badberg, 1 juv. 6, 23. IV. — 1 specimen.

This species which belongs to a family with nearly worldwide distribution has been collected in Germany only once earlier viz. one single specimen, the type of the species, from Hausach in Baden. *S. lyrifer* is rare but rather widely distributed occurring in Europe, North Africa and North America.

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