

SYNONYMICAL NOTES, ETC., ON FORMICIDAE (HYM.).

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A number of points in synonymy and the like have arisen during the compilation of a card index of the species, subspecies and varieties of the ants of the world described since the publication of the *Genera Insectorum*, some of which are dealt with here. I may mention that I had already finished a complete list of all the Genera and Subgenera of the ants of the world, including all those in the *Genera Insectorum* up to the end of 1940.

PONERINAE.

1. — *Trapeziopelta mayri* Donisthorpe, 1932, *Ann. Mag. nat. Hist.* (10) **10**: 468; *Bradyponera nitida* Mayr, 1886, *Verh. zool.-bot. Ges. Wien*; **36**: 362 = *Ponera nitida* Smith, 1861, *J. linn. Soc. (Zool.)*, **6**: 45 from Celebes nec *Ponera nitida* Smith, 1858, *Cat. Hym. Brit. Mus.*, pt. 6: 92 = *Leptogenys (Lobopelta)* from Natal.

Emery, 1911, *Gen. Ins.*, **118**: 94 puts *Trapeziopelta nitida* Smith (1861) under 'Espèce Douteuse' and queries it as the *Bradyponera nitida* Mayr. It is, however, a perfectly good species and is a *Trapeziopelta*. Smith's specimen in the British Museum collection was named *Bradyponera nitida* by Mayr himself.

Crawley described a *Trapeziopelta nitida* from Sumatra, 1924, *Ann. Mag. nat. Hist.* (9) **13**: 384. His name, of course, sinks and for his species I propose ***Trapeziopelta crawleyi*** nom.n.

2. — *Anochetus jacobsoni* Forel, 1911, *Notes Leyden Mus.*, **23**: 193 from Java; *Anochetus jacobsoni* Menozzi, 1939, *Tijdschr. Ent.*, **82**: 178 from Sumatra.

I propose the name ***Anochetus menozzii*** nom.n. for Menozzi's species.

3. — *Xiphopelta* Forel, 1913, *Ann. Soc. ent. Belg.*, **57**: 108, a subgenus of *Ponera*.

Forel (*l.c.*) gives '*Ponera (Xiphopelta) arnoldi* n.sp.' and six lines afterwards it is given as '*Hiphopelta* n.subg.' In my reprint Forel himself had altered the *H.* to *X.* in ink. In the *Nomenclator Zoologicus* under *Xiphopelta* it states 'see *Hiphopelta*,^a where the reference is given. This presumes that the latter name is correct, whereas it should be *Xiphopelta*, which was first given, and is evidently what Forel intended.

DORYLINAE.

4. — *Dorylus (Alaopone) australis* Santschi, 1920, *Ann. ent. Soc. Fr.*, **88**: 362, South Africa; *Dorylus (Alaopone) montanum* Sants. subsp. *australis* Sants., 1919, *Rev. zool. afr.*, **6**: 231, South Africa.

In 1920 Santschi described as a new species a *D. (A.) australis*. This is evidently the same as the subspecies described in the previous year; he gives the same localities for it in South Africa, and compares it with his *montanum*. He does not, however, suggest that he is raising the subspecies to specific rank, nor does he mention that he has described it before.

MYRMICINAE.

5. — *Myrmica rugulosa* Nyl. subsp. *limanica* Karawajew, 1934, *Trav. Inst. Zool. Ukraine*, **1**: 76.

Karawajew describes this subspecies from Russia, and adds to his description 'Arnoldi in litt.' Arnoldi in 1935 describes the same ant *Folia zool. Hydrobiol.*, **6**: 162, but as Karawajew published it first his name will have to stand as the author.

6. — *Myrmica rugulosa* Nyl. subsp. *limanica* Karaw. v. *chersonensis* Karaw., 1934, *Trav. Inst. Zool. Ukraine*, **1**: 76 'Arnoldi in litt.'

Again Arnoldi describes this variety in 1935, *Folia zool. Hydrobiol.*, **6**: 164, but Karawajew remains the author.

7. — *Messor barbarus* L. subsp. *caducus* Motschulsky; *Formica caduca* Mots. 1839, *Bull. Soc. Nat. Moscou*, **12**: 47 = *Messor barbarus* L. subsp. *incorruptus* Ruzsky, 1905, *Formic. Imp. Rossici*, **1**: 728, 751, teste Kolossoff 1932, *Ent. NachrBl.*, **6**: 118.

Emery, 1921, *Gen. Ins.*, **174a**: 70 gives *incorruptus* Ruzsky as a var. of *M. barbarus* L. subsp. *aegyptiacus* Emery; and *caducus* Mots. (p. 72) as a synonym of *M. barbarus* L. subsp. *semirufus* André.

8. — *Monomorium (Notomyrmex) longiceps* Wheeler, 1934, *roy. Soc. W. Aust.*, **20**: 146, W. Australia; *Monomorium (Monomorium) longiceps* Karawajew; 1935, *Treubia*, **15**: 94, Indo-China.

I propose the name **annamense** nom.n. for Karawajew's species.

9. — *Monomorium (Monomorium) bimaculatum* Wheeler, 1928, *Boll. Lab. Zool. Portici*, **22**: 19, China; *Monomorium (Xeromyrmex) bicolor* Emery subsp. *personatum* Santschi var. *bimaculatum* Santschi, 1937, *Rev. Suisse Zool.*, **44**: 221.

I believe there is no fixed rule in this matter; some authorities would sink Santschi's varietal name, others maintain that the same name may always be used in the case of varieties.

10. — *Myrmecaria natalensis* Smith subsp. *arnoldi* Santschi, 1939, *Bull. (Ann.) Soc. ent. Belg.*, **79**: 238.

Santschi writes as follows: '*Myrmecaria natalensis* st. *obscuriceps* Sant. *Rev. Suisse Zool.*, XLIV, p. 226, 1937 = *M. arnoldi*

Sant., *Ann. Soc. Ent. Belgique*, LXLV [sic], pp. 159-173, 1921 = *M. striata* Arnold, *Ann. S. Afr. Mus.*, XIV, p. 296, pl. VII, fig. 90 c.'

The above requires some explanation—first of all the correct reference for Santschi's *arnoldi* is 1924, *Rev. Suisse Zool.*, **64**: 159, and the date of Arnold's publication is 1916.

Stitz (1911, *Erg. Deutsch. Zentral Afr. Exped. Zool.*, **3**: 382) described a *Myrmicaria striata*. Arnold in his work on the ants of South Africa describes and figures Stitz's *striata*, and as Santschi did not consider this referred to Stitz's species, he gave Arnold's ant from Rhodesia the name of *arnoldi*. In 1939 he considered that this species is his *obscuriceps* from Angola. Incidentally he originally described the last-named insect as a variety, not a subspecies, of *natalensis*. In any case his name *arnoldi*, 13 years older than his *obscuriceps*, must stand.

11.—*Solenopsis (Diplorhoptrum) orbula* Emery subsp. *oculatus* Santschi 1925, *Comun. Mus. nat. B. Rivadavia*, **107**: 161, Argentine; *Solenopsis (Diplorhoptrum) orbula* Emery subsp. *oculata* Karawajew, 1926, *Konowia*, **5**: 162, Caucasus.

In 1937, *Bull. Soc. Sci. nat. Maroc.*, **16**: 202, Santschi proposed the name var. *ilinei* for Karawajew's *oculata*.

DOLICHODERINAE.

12.—In 1936, *Rev. Ent.*, S. Paulo (Rio de J.), **6**: 417, Santschi sank *Iridomyrmex bicolor* Donisthorpe, 1933, *Ann. Mag. nat. Hist.* (10) **12**: 534 from the Argentine and proposed the name *donisthorpei* nom.n., because of *Iridomyrmex iniquus* Mayr var. *bicolor* Forel, 1912, *Mem. Soc. Ent. Belg.*, **20**: 47 from Martinique. Though of course it would have been better not to have used the name *bicolor*, a variety, having no nomenclatorial standing, does not render the name invalid.

FORMICINAE.

13.—*Oecophylla smaragdina* F. var. *fuscoides* Karawajew, 1933, *Konowia*, **11**: 315, Java. Karawajew describes the same form from Java, as a new variety, in 1935, *Treubia*, **15**: 112. The former date, of course, must stand.

14.—*Camponotus (Myrmophyma) darlingtoni* Wheeler, 1934, *J. roy. Soc. West Aust.*, **20**: 160, West Australia; *Camponotus (Myrmocladoecus) sanctaefidei* Dalla Torre subsp. *darlingtoni* Wheeler, 1934, *Bull. Mus. comp. Zool. Harv.*, **77**: 232, Trinidad.

I am informed that the American publication appeared in print first, and therefore propose the name **Camponotus (Myrmophyma) rotnesti** nom.n. for the Australian insect.

15. — *Myrmespera* Santschi, 1926, *Rev. zool. afr.*, **13**: 249, a subgenus of *Camponotus* Mayr.

On page 247 (*l.c.*) Santschi describes *Camponotus (Myrmespera) debellator* n.sp., with a footnote 'voir note page suivante'; on page 248 he describes a var. of *debellator*—v. *trifasciatus*, and on page 249 a footnote states: 'Je donne à ce groupe le nom de *Myrmespera* N.S.G.' It is not surprising that the *Zoological Record* and *Nomenclator Zoologicus* do not give this subgenus. Later Santschi, 1937, *Bull. (Ann.) Soc. ent. Belg.*, **77**: 65, describes two new varieties of *nasutus* Emery as *Camponotus (Myrmespera) nasutus* Em. v. *fenestralis* n.v., and *C. (M.) nasutus* Em. v. *quadridentatus* n.v. Emery, however, in the *Genera Insectorum*, places his *nasutus* in the subgenus *Myrmamblys*.

16. — *Cataglyphis bicolor* F. subsp. *setipes* Forel var. *longipedum* Eichwald; *Formica longipedum* Eichwald, 1841, *Nouv. Mém. Soc. Nat. Moscou*, **7**: 224; = *Myrmecocystus setipes* Forel v. 'turkemanicus' [sic] Emery, 1898, teste Kolossov, 1932, *Ent. NachrBl.*, **6**: 118. *Formica longipedum* Eichwald is mentioned neither in Dalla Torre nor in the *Genera Insectorum*.

Emery spelt his variety 'turcomanica' and he gives the reference in the *Genera Insectorum* as 'Oefv. Finska Vet. Soc. Förhand., Vol. 20, p. 24,' but without a date. It should be Vol. 40, p. 147, and the date is 1898.

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