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Inhalt:

I. Wissenschaftliche Mitteilungen.

1. Clark, On some onychophores (*Peripatus*) from the Republic of Panama. S. 145.
2. Richter, Neue Beobachtungen über den Bau der Trilobitengattung *Harpes*. (Mit 4 Figuren.) S. 146.
3. Babić, Über *Ancorina* (*Thenea*) *muricatu* (Bowerbank). (Mit 3 Figuren.) S. 152.
4. Hodgson, Preliminary Report on the Pycnogonida of the German Southpolar Expedition 1901—1903. S. 158.
5. Migliardi, Ulteriore contributo alla cono-

scenza del Plancton della Laguna veneta. (Con due tabelle.) S. 165.

6. Clark, The Classification of the Regular Echini. S. 171.
7. Brück, Die Entstehung der spiraliggestreiften Muskeln mit heterogenen Fibrillen bei *Anodonta* und *Unio*. (Mit 7 Figuren.) S. 173.
8. Cokerell, Some Fossil Fish Scales. (With 1 figure.) S. 189.

III. Personal-Notizen.

Nachruf. S. 192.

I. Wissenschaftliche Mitteilungen.

1. On some onychophores (*Peripatus*) from the Republic of Panama.

By Austin H. Clark.

eingeg. 22. Juni 1914.

Mr. James Zetek, the government entomologist for the Republic of Panama, recently sent me some onychophores which he collected at Lino, near Bouquete, in the province of Chiriqui. They were preserved by being first anaesthetized with chloretone, and then killed with hot alcohol.

These represent a very interesting species recently described by Dr. Otto Fuhrmann from Rancho Redondo, Costa Rica.

Peripatus (*Peripatus*) *ruber* Fuhrmann.

Peripatus ruber 1913. Fuhrmann, Zool. Anz. vol. 42, No. 6, p. 248, figs. 12—14, p. 247, 248.

No. 1. — Lino, elevation 4500 feet; February 1, 1914. The length as preserved is 33 mm., and the width 2,6 mm., there are thirty pairs of ambulatory legs; the colour is reddish brown, with a dark median stripe.

Mr. Zetek writes that he found this specimen on Mr Lawler's coffee plantation, in the crumbling rich black soil under a log. The

colour in life was brownish black, speckled with dots of a darker colour, and with a narrow interrupted black median stripe. The length of the body when crawling was 49,5 mm. (with the antennae, 55 mm.); the width was 5 mm.

No. 2. — Lino, elevation 4500 feet; February 2, 1914. The length as preserved is 33 mm., and the width 1,8 mm.; there are thirty pairs of ambulatory legs; the colour is dark reddish brown with a dark median stripe.

Mr. Zetek writes that this specimen was found in the same locality as the preceding, in the midst of the cafetal, inside the rotted portion of a log lying on the ground, on rich black and moist soil. The length of the body when crawling was 38,5 mm. (with the antennae, 44 mm.); the width in life was 5 mm.

No. 3. — Lino, elevation 4100 feet; March 4, 1914. The length as preserved is 29 mm., and the width 3 mm.; there are twenty-nine pairs of ambulatory legs; the foot papillæ are three in number.

This specimen was found under a log in an open pasture, concealed in the grooves of the bark; the log was not decayed.

Mr. Zetek notes that this species is negatively phototropic, and crawls as easily backward as forward.

Oroperipatus corradoi (Camerano).

Oroperipatus corradoi 1914. A. H. Clark, Smithsonian Miscellaneous Collections, vol. 63, No. 2, p. 1.

Of the specimens of *Oroperipatus corradoi* collected by Mr. Zetek at Ancon, which I recorded in the reference cited, he writes that he originally had a number of very young ones in the cage, but that either as a result of the scarcity of food, or as a result of natural proclivities, the whole series (about fourteen adults and twenty young) became reduced through cannibalism to only three.

2. Neue Beobachtungen über den Bau der Trilobitengattung *Harpes*.

Von Rudolf Richter, Frankfurt a. Main.

(Mit 4 Figuren.)

eingeg. 11. Juli 1914.

Eine große Reihe von Präparaten¹, und zwar Aufmeißelungen, Anschliffe und namentlich Dünnschliffe, die für eine inzwischen abgeschlossene Monographie der Gattung *Harpes* angefertigt wurden, führte zu neuen Aufschlüssen dieser umstrittenen Tierform. *Harpes* hat von

¹ Die hier beigegebenen Figuren beziehen sich der Einheitlichkeit halber nur auf *Harpes macrocephalus* Goldf. aus dem Mitteldevon der Eifel.