

Brachiopoden sich in Ruhe ihres vollständigen Gefäßsystems erfreuen können.

Rostock, den 19. December 1892.

## 7. Note on the History of the so-called family Teichonidae.

By Arthur Dendy, D.Sc., F.L.S., Melbourne University.

eingeg. 23. December 1892.

In reply to my note on »the Discovery of the true nature of the so-called family Teichonidae«, published in the Zool. Anzeiger (No. 395), Dr. R. von Lendenfeld, in No. 402 of the same journal, endeavours to prove that he arrived at his results quite independently of my work, and refuses to recognize that I have any claim to priority in the matter.

He bases his defence upon a preliminary communication entitled »Das System der Kalkschwämme«, which he informs us that he read before the Vienna Academy on the 8th of January 1891, and in which he accuses me of wilfully ignoring, although, as a matter of fact, I have never seen the paper in question up to the present moment.

My principal work on the »Teichonidae« was published in London in January 1891, though written in Australia many months previously, hence, of course, it is possible that Dr. von Lendenfeld may not have seen it before he wrote his preliminary account, though that can be no excuse for not referring to it in his complete work (Die Spongien der Adria), which is not even dated till April 1891 and not published till the following December.

It is evident from Dr. von Lendenfeld's writings that he has never personally studied the group of sponges whose true nature he claims to have independently arrived at, and hence, to an outsider, it is difficult to see what could have induced him so suddenly to abandon the family »Teichonidae« and adopt my views as to the relationships of the sponges comprised therein.

I would, therefore, like to point out, for the benefit of those who might otherwise be misled by Dr. von Lendenfeld's statements: 1) That on November 14th 1889 I communicated a paper on »the Pseudogastrula Stage in the Development of Calcareous Sponges« to the Royal Society of Victoria. 2) That in this paper I gave a preliminary account of the results of my researches on the anatomy of »*Teichonella labyrinthica*« and »*T. prolifera*«, stating distinctly that »*T. labyrinthica*« is a true Sycon and »*T. prolifera*« a typical Leucon; and 3) that I sent a copy of this paper to Dr. von Lendenfeld.

In short my main conclusions as to the structure and relationships

of the »Teichonidae« (with the exception of »*Eilhardia Schulzei*«, concerning which we both owe our anatomical information to Poléjaeff) were published and received in Europe many months before the date on which Dr. von Lendenfeld says he read the preliminary paper on which he bases his remarkable claim to independent discovery.

As I have pointed out previously, Mr. Carter himself was the first to shew that »*Teichonella labyrinthica*« is a true Sycon, but this statement of his had passed quite unnoticed and no correct account of the anatomy of the sponge in question had appeared until the publication of my work.

I am aware that in his Monograph of the Australian sponges Proc. Linn. Soc. N. S. W. Vol. IX p. 1140) Dr. von Lendenfeld accepted the »family« with some hesitation. He says »I have not seen any representatives of this family myself, but I am of opinion that they might perhaps be considered as colonies of Leucones or Sycones, as Marshall asserted, before Poléjaeff's essay was published«. He also says of »*Teichonella labyrinthica*« (loc. cit. p. 1142) »The anatomy of this sponge is totally unknown, so that its name and position here are only preliminary«. How near Marshall's opinion came to the truth of the matter Spongologists will be able to judge for themselves. Since the publication of the above remarks Dr. von Lendenfeld has repeatedly maintained the »family Teichonidae«, and continued to do so until the very year in which my preliminary results were published. In other words, from 1885 till 1890. Dr. von Lendenfeld stuck to the family, then, when the outcome of my researches on »*T. labyrinthica*« and »*T. prolifera*« had been published and sent to him, he suddenly dropped the »family« and adopted my views without giving any reasons for so doing. Surely it is taxing our credulity too much to ask us to believe that he arrived at his results independently.

Melbourne, November 8. 1892.

## 8. Über die Organisation der Choanoflagellaten.

(Vorläufige Mittheilung.)

Von Rudolf H. Franzé, Assistent am Polytechnicum zu Budapest.

eingeg. 30. December 1892.

Gelegentlich des Studiums der Stigmata der Flagellaten, welche ich auch auf die sog. »Mundleiste« der Monadinen ausdehnte, wurde ich auf mehrere, bisher nicht erkannte Organisationsverhältnisse derselben aufmerksam, welche mich veranlaßten, sowohl die Monadinen, als auch die Choanoflagellaten einer eingehenden Untersuchung zu

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