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II. Wissenschaftliche Mittheilungen.

1. Über die azorisch-portugiesische Nacktschneckenfauna und ihre Beziehungen.

(Vorläufige Mittheilung.)

Von Dr. Heinrich Simroth.

(Schluß.)

Unter den *Parmacellen*, den Characterschnecken des Mittelmeergebietes, kann ich von Afghanistan bis zu den Canaren nur eine Art anerkennen, die an die Isotheren von 20 bis 25° C. gebunden zu sein scheint. Ableitung von den Vitrinen durch Übergang zur Krautnahrung; die Clitoristasche entspricht dem Pfeilsack.

Die Arioniden können in vier nahe verwandte Genera getheilt werden, *Arion*, *Ariunculus*, *Letourneuxia*, *Geomalacus*. Der Bestand der *Arion*-Arten auf den Azoren und in Portugal verschiebt sich stark gegen die bisherigen Annahmen. Das verbreitetste und varietätenreichste Thier ist der *A. lusitanicus* mit einer kleineren Insellform auf Madeira und den Azoren, welche letzteren noch einen *minimus* besitzen. Der *lusitanicus* steht in vieler Hinsicht zwischen *empiricorum* und *subfuscus*. Dieser fehlt in Portugal, jener ist durch den *sulcatus* und *Bocagei* (oben weiß, unten schwarz!) vertreten, im regenreichen

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