

Ueber die von mir entdeckten, höchst interessanten, speciellen Verhältnisse bei der Tentakelentwicklung an den Knospen von *H. Roesei*, sowie über deren hohe morphologische Bedeutung, werde ich in der oben genannten Arbeit das Nähere mittheilen.

6. Die Tirolischen Sphecodes-Arten.

Von Dr. K. W. v. Dalla Torre in Innsbruck.

Nachdem Herr Landesgerichtsrath V. v. Hagens in Düsseldorf die Güte gehabt, meine Stücke aus der Gattung *Sphecodes* zu revidiren, einer Gattung, deren Artenzahl in Deutschland nach individueller Auffassung zwischen 7 (Wesmael), circa 20 (Sichel) und 230 (Förster i. m.) schwankt, stelle ich hiermit ein Verzeichnis der bisher in Tirol gefundenen Arten nach dessen Anordnung (Entomol. Nachricht. T. 3. 1877, p. 53 ff.) zusammen und bezeichne die von Thomson bereits auch im Norden gefundenen Arten — also dem Norden und dem Gebirgsstocke der Alpen gemeinschaftlich! — mit einem Sternchen. Es sind dies:

- 1) *Sph. fuscipennis* Germ. (*Latreillei* Wsm., *nigripes* Lep., *rugosus* Sm.).
- 2) *Sph. scabricollis* Wsm. (*varispinis* Först.).
- *3) *Sph. gibbus* L. (*rufus* [Chr.], *sphecoides* [Kby.], *monilicornis* [Kby.], *picea* [Kby.]).
- *4) *Sph. reticulatus* Thoms. (*distinguendus* Hag., *implexus* Först.).
- *5) *Sph. subquadratus* Sm. (*gibbus* Wsm.).
- 6) *Sph. rufiventris* Wsm.
- 7) *Sph. subovalis* Schck. (*brevis* Hag.).
- *8) *Sph. pilifrons* Thoms. (*brevicornis* Hag., *senilis* Först.).
- *9) *Sph. similis* Wsm. (*rufescens* Frer., *gibbus* [Chr., Fabr., Latr.] *pelucidus* Sm., *analisis* [Ill.], *hispanicus* Wsm.).
- 10) *Sph. ferruginatus* Schck. (*rufescens* Hag.).
- *11) *Sph. ephippius* L. (*Divisus* [Kby.], *Geofrellu* [Kby.]).
- *12) *Sph. puncticeps* Thms. (*ephippius* Hag., *inermis* Först., *geminus* Först.).

III. Mittheilungen aus Instituten, Gesellschaften etc.

1. Gesuch. *Ranzania truncata*.

Ein Exemplar der *Ranzania truncata* Retz. (*Orthagoriscus oblongus* Schn.), in Alcohol conservirt, gross oder klein, für anatomische, insbesondere osteologische Untersuchung brauchbar, wird dringend gesucht. Offerten mit Angabe der Grösse und des Preises bittet man gütigst einzusenden an

Dr. Chr. Lütken,
Zoolog. Museum der Univers. zu Kopenhagen.

2. Linnean Society of London.

6th November 1879. — Prof. Allman, President in the Chair.

In opening the Session the President made a few remarks on the demise of Mr. W. Wilson Saunders and Mr. John Miers, two old and respected Fellows of the Society and whose official and scientific labours in connection therewith have been duly appreciated.

Dr. Francis Day read a paper »On the Instincts and Emotions in Fish«. He observes that during the last few years while biologists have given attention to the faculties of many animals those of fish have received but scant attention: even of late Cuvier's estimate of their total want of intelligence is quoted as authentic by English authorities. The author endeavours to combat this notion and proceeds to relate examples coming under his own cognizance as well as quotes many writers in evidence of what may be regarded as piscine emotions and affections. He shows for instance they are both monogamous and polygamous, construct peculiar nests, occasionally carry about their eggs, protect and defend their young with great vigour, often exhibit affection for one another, recognise human beings and can be tamed, manifest fear, anger, hatred and revenge, in certain instances they utter sounds, they often have quite remarkable modes of defence and not only hide themselves when danger warns but even betake themselves to the bodies of other animals for protection, some leave the water for food and lastly widely separated families will at times unite and form combinations for attack and defence. Notwithstanding these and many other intelligent acts fish as might be anticipated have not the reasoning faculties so acutely developed as in the other higher races of the Vertebrata. Still it would appear we are justified in claiming for some of the finny tribe, that they have attachments wether in the form of conjugal feeling, paternal and maternal affections or else of platonic friendship.

IV. Personal-Notizen.

Australia. — New South Wales.

Sidney: Australian Museum. Curator: E. P. Ramsay.

(An der Universität existirt keine Professur für Zoologie od. Palaeontologie.)

Victoria.

Melbourne: University. Fred. MacCoy, F. G. S., Professor of Natural Science and Curator of the Museum, also Government Palaeontologist.

South Australia.

Adelaide: University. Rolph Tate, Professor of Geology.

The Museum. F. G. Waterhouse, F. G. S., Curator.

Queensland.

Brisbane. Museum: F. Staiger, Curator.

Tasmania.

Hobart Town. Museum: Dr. Agnew, Secretary.

New Zealand.

Auckland. Museum: T. Cheeseman, Curator and Secretary.

Wellington. Museum: Dr. James Hector, F. R. S., Director of the Geological Survey, Curator.

Christchurch. Museum: Dr. Jul. von Haast, F. R. S., Director.

Dunedin. Museum: Capt. H. Wollaston Hutton, Curator; Prof. of Geology in the University.

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Digitale Literatur/Digital Literature

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