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Inhalt. W. Nylander: De reactionibus in genere Physcia. — H. G. Reichenbach fil.: Cypripedium Parishii. — Literatur. — Literarische Notizen. — Botanische Neuigkeiten im Buchhandel. — Personalnachrichten. — Botanische Notizen. — Auszug aus dem vorläufigen Programm der 43. Versammlung deutscher Naturforscher und Aerzte. — Anzeigen. — Verzeichniss der für die Sammlungen der königl. botan. Gesellschaft eingegangenen Beiträge.

De reactionibus in genere Physcia.

Scripsit W. Nylander.

Rectiones varias jam seorsim exposui in speciebus generum *Parmeliae* [1]) et *Ricasoliae* occurrentibus. Hic eas afferam, quales in *Physciis* observantur, moxque animadvertam, in genere hocce nullam reactionem erythrinicam obvenire, sed quidem chrysophanicam in *Physcia flavicante* (Sw.), *Ph. agromela* (Pers.), *Ph. nodulifera* Nyl., *Ph. Peruensi* (Ach.), *Ph. villosa* (Ach.) [huic in solis epitheciis], *Ph. cymbalifera* Tuck., *Ph. hypoglauca* Nyl. (*Niorma derelicta* Mass.), *Ph. holoxantha* Nyl., *Ph. chrysophthalma* (L.), *Ph. parietina* (L.), *Ph. contortuplicata* (Ach.), *Ph flammea* (L.), in quibus omnibus nulla reactio medullae exhibetur hydrate kalico (nec thalli ulla externe nec intus in *Ph. villosa*), at insignis purpurea (acidi chrysophanici epithalli vel epithecii typice flavorum vel aurantiacorum). Ceterae species modo sequente disponi possunt, quoad reactionem acidi lecanorici, ubi adest:

1) Addatur ibi, reactionem medullae ope hydratis kalici in *Parmelia Dreceana* Hmp., *P. hottentotta* Ach. et *P. acetabulo* (Neck.) similem esse ac in *P. conspersa* et *P. saxatili* h. e. e flavo mox croceam aut ferrugineo-rubricosam aut subcinnabarinam.

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A. — Species, quarum nec thallus extus nec medulla hydrate kalico tinguntur.

Sunt *Ph. euploca* Tuck., *Ph. intricata* (Desf.), *Ph. ciliaris* (L.), *Ph. glaucovirescens* Nyl., *Ph. pulverulenta* (Schreb.), *Ph. detonsa* Fr., *Ph. Leana* Tuck., *Ph. aquila* (Ach.), *Ph. clapheia* Nyl., *Ph. obscura* (Ehrh.), *Ph. setosa* (Ach.), *Ph. obscurascens* Nyl., *Ph. sparsa* (Tayl.), *Ph. adglutinata* (Flk.), *Ph. syncolla* Tuck., *Ph. plinthiza* Nyl.

B. — Species, quarum thallus extus et medulla hydrate kalico flavo-tinguntur.

Thallus externe hoc auxilio chemico flavum sumit colorem, at medulla denudata tum modo dilute flavescit vel vix tingitur in: *Ph. latifolia* (Mey. et Flot.) cum varr. *galactophylla* (Tuck.) et *subcomosa* Nyl., *Ph. erinacea* (Ach.).

Contra thallus totus, extus et medulla, bene flavo-tingitur in: *Ph. leucomela* Mich. et var. *angustifolia* (Mey. et Flot.), *Ph. comosa* (Eschw.), *Ph. barbifera* Nyl., *Ph. speciosa* (Wulf.), *Ph. obesa* (Pers.), *Ph. dispansa* Nyl., *Ph. firmula* Nyl., *Ph. psathyra* Tuck., *Ph. crispa* (Pers.), *Ph. dilatata* Nyl, *Ph. major* Nyl., *Ph. stellaris* (L.), *Ph. astroidea* (Clem.), *Ph. obsessa* Mut., *Ph. caesia* (Hffm.).

Ph. podocarpa Bél. propria sit species distincta, nam hydrate kalico medulla ejus et pagina infera thalli e flavo mox crocee vel croceo-ferruginee tinguntur. In *Ph. leucomela* color flavus reactionis kalicae non ita mutatur.

C. — Species, quarum thallus hydrate kalico flavescit et medulla non tingitur.

Huc pertinet stirps *Ph. pictae* (Sw.). *Ph. aegialita* Ach. (*Parmelia confluens* Fr.) parum vel vix ab ea differt.

Cypripedium Parishii

affine *Cypripédio glandulifero Bl.* pedunculo plurifloro, tepalis longissimis apice obtusatis lobulis pilosis hic inde circumspersis, staminodio cuneato oblongo emarginato apiculo in basi.

Folium latissime loratum apice inaequali bilobum. Pedunculus velutinus puberulus quinqueflorus secundiflorus. Bracteae vaginatae spathaceae obtusae ovario pedicellato pilosovelutino breviores. Sepalum dorsale cuneato-ovatum acutum. Sepalum infe-

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A. — Species, quarum nec thallus extus nec medulla hydrate kalico tinguntur.

Sunt *Ph. euploca* Tuck., *Ph. intricata* (Desf.), *Ph. ciliaris* (L.), *Ph. glaucovirescens* Nyl., *Ph. pulverulenta* (Schreb.), *Ph. detonsa* Fr., *Ph. Leana* Tuck., *Ph. aquila* (Ach.), *Ph. clapheia* Nyl., *Ph. obscura* (Ehrh.), *Ph. setosa* (Ach.), *Ph. obscurascens* Nyl., *Ph. sparsa* (Tayl.), *Ph. adglutinata* (Flk.), *Ph. syncolla* Tuck., *Ph. plinthiza* Nyl.

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