

Tabularis. Steph. n. sp.
Tamariscina. Mitten. Journ. Linn. Soc. 1864.
Taylori. Steph. n. sp.
tenax. Lindb. Hep. in Hib. lectae. Act. Soc. sc. fenn. X. p. 492.
tenella. G. Hepat. Mexic.
tenerrima. Steph. n. sp.
tenera. Mitten. n. sp.
Tokiensis. Steph. n. sp.
uvifera. Taylor. Syn. 258. 729.
Vieillardii. G. n. sp.
voluta. Taylor. Syn. p. 255.
Vriesei. Sande-Lac. Ann. Mus. bot. Lugd. 1863/64.
Wallichiana. Lehm. Pugillus. 10. p. 9.
Xalapensis. Mont. Syn. p. 255. 725.

Anmerkungen.

1. *Radula Javanica*. G. Syn. p. 257 ex parte.

Die Beschreibung daselbst umfasst zwei verschiedene Arten, die ächte, *R. Javanica*, lobulis quadratis acutiusculis und die *R. campanigera* Mont. lobulis rotundo-ovatis, wie der Autor dieser Pflanze bereits anderweitig gesagt hat.

2. *Radula intempestiva*. G. Diese und 2 andere neue Arten *R. Magellanica*. G. und *R. multiflora*. G. sind von Dr. Naumann auf der Expedition der Gazelle gesammelt und wird Herr Dr. Gottsche solche an anderer Stelle beschreiben.

3. Baron Ferd. v. Müller in seinen Fragm. Phyt. Austr. Vol. XI. p. 63 bespricht 2 Pflanzen, welche er *R. Gottscheana* nannte, von Rockingham Bay und Keppel Bay; ich habe nur die erstere gesehen und wüsste sie von *R. reflexa* nicht zu trennen.

(Schluss folgt.)

Repertorium.

W. G. Farlow, Enumeration of the Peronosporae of the United States. (From the Botanical Gazette VIII. Octob. und Novb. 1883.)

(Schluss.)

On *Ambrosia artemisiaefolia*, *Eupatorium purpureum*, *Bidens frondosa*, *Rudbeckia laciniata*, *Silphium terebinthaceum*, *Helianthus strumosus*, *doronicoides* and *tuberosus*, *Solidago Canadensis*.

Peronospora Geranii Peck, 28. Report New-York State Museum pag. 63. Mycelium large, with oval haustoria. Conidiophores short and delicate, axis naked below, bearing at the tip a few short horizontal 1 to 2 pinnate branches. Tips long, slender, divergent. Conidia broadly ellipsoidal, 17—23 μ by 15—18 μ . Oospores 30—40 μ in diameter, exospore yellowish-brown, somewhat rugose.

On *Geranium maculatum*, *Robertianum* and *Carolinianum*.

Peronospora Claytoniae Farlow. Conidiophores long, naked below, several times dichotomous above, divisions

short, flexuous. Tips short, subulate, widely spreading. Conidia broadly obovate, violet-colored, $22-24 \mu$ by $15-20 \mu$. Oospores large, $38-45 \mu$ in diameter, brown, exospore more or less rugose.

On *Claytonia virginica*.

Peronospora Arthuri Farlow. Conidiophores rather short and rigid, several times dichotomous. Tips rather short and rigid. Conidia broadly ellipsoidal, obtuse, $22-26 \mu$ by 19μ , slightly violet-colored. Oospores large, dark brown, $34-42 \mu$ in diameter, exospore covered with short blunt papillae.

On *Oenothera biennis*.

Peronospora sicyicola Trelease in litt. Haustoria not seen. Conidiophores slender, axis long and flexuous, with very numerous 3-4 pinnate, slender, horizontal branches, alternately or frequently oppositely placed. Tips divided into several, usually three, very short spines. Conidia small $13-17 \mu$ by $11-15 \mu$ ovoid, white. Oospores?

On *Sicyos angulatus*.

Peronospora Illinoensis Farlow. Conidiophores slender, scattered, loosely 2-3 pinnate above, secondary branches usually horizontal, sometimes secund. Tips acute, short, erect, clustered. Conidia globose, or ovate-obtuse, white, $17-20 \mu$ by $15-18 \mu$. Oospores?

On *Parietaria pennsylvanica*.

Peronospora Lophanthi Farlow. Conidiophores very slender, long, naked below, above repeatedly dichotomous, divisions flexuous. Tips flexuous, forcipate, one division usually considerably longer than the other. Conidia small, globose, or ovate-obtuse, $19-22 \mu$ by $15-20 \mu$, violet-colored. Oospores?

On *Lophanthus scrophulariaefolius*.

Erwähnt wird noch das Vorkommen von *Peronospora viticola* auf *Ampelopsis* und dasjenige einer Form auf *Geum*, die vielleicht zu *P. Potentillae* gehört. G. W.

Anzeige.

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