

lich bedeutend von derjenigen der östlichen Staaten abweicht, ist auch die Pilzflora reich an neuen Arten. Die Diagnosen der hier beschriebenen lauten wie nachstehend:

Peronospora Oxybaphi, E. & K.

On *O. nyctagineus*. Manhattan, Ks., June, 1884. Conidiophores simple below, about 3 times dichotomously branched above, the ultimate divisions stout and slightly curved; conidia elliptical, pale violet-brown, $20-26 \times 12-15 \mu$. Oospores $35-40 \mu$, rusty brown, epispore rough.

Puccinia Lithospermii, E. & K.

On *Lithospermum canescens*, Manhattan, Ks. Aecidium and uredo not seen. Teleutospores — sori amphigenous, round, black soon naked, scattered, small ($\frac{1}{2}$ mm), spores elongated, mostly attenuated above, strongly constricted, of a deep reddish brown above, paler below, $32-45 \times 20-23 \mu$, epispore smooth, thickened above so as to form an obtuse point which is often oblique but sometimes the apex is regularly rounded, pedicels rather stout, as long as or longer than the spore.

Cercospora condensata, E. & K.

On leaves of *Gleditschia triacanthos*. Manhattan, Ks., July, 1884. On small (1—2 mm) brown or dirty white round spots with an obscure dark border. Hyphae mostly epiphyllous, brown (continuous)? obtuse, subdentulate above, $30-80 \times 4-5 \mu$, densely compacted so as to form little black tubercles much resembling perithecia; conidia slender or concave-cylindrical, nucleate and pale brown, becoming 6—9 septate, $60-75 \times 4 \mu$ — var. *Desmanthi* (on *D. brachylobus*, Great Bend, Ks.) differs in its shorter hyphae and shorter (30—35 μ) 1septate conidia and in the absence of any very definite spots, differences which are probably due to immaturity. (Schluss folgt.)

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