

lary sporules, *S. alnicola* Cke. has oblong sporules, and *S. alnigena* Sacc. has no spots.

Septoria solitaria E. & E.

On leaves of *Rhododendron occidentale*, Mill Valley, Cala., July, 1893 (W. C. Blasdale, 172).

Spots amphigenous, round, white with a purple border, numerous, about 2 mm. diam. Perithecia mostly one in the center of each spot, globose, 120–150 μ diam., visible on both sides of the leaf. Sporules abundant, bacillary, hyaline, continuous, straight or sub-undulate or bent, obtuse, about 20 x 2 μ .

Septoria Rhododendri Cke. has the perithecia aggregated or circinate and sporules 40 μ long.

Septoria Ænanthis E. & E.

On leaves of *Ænanthe sarmentosa*, Seattle, Wash., Aug. 1892 (Prof. C. V. Piper, No. 50).

Spots scattered, small (1–3 mm.), white, subangular, definite. Perithecia few on a spot (3–6), small (75 μ), black (yellow-brown under the microscope), subastomous. Sporules fusoid-cylindrical, hyaline, nucleate, 20–35 x 1½–2 μ , ends subacute, slightly curved.

Septoria saccharina E. & E., var. *occidentalis*.

On dead leaves of *Acer glabrum*, Fairhaven, Wash., Aug. 1892 (Prof. C. V. Piper, No. 57).

Differs from the type in having the small, white spots, on which the perithecia are seated, not so evenly distributed over the leaf, but collected on rusty brown, yellow-margined, subindefinite spots 3–4 mm. diam.

Septoria circinata E. & E.

On leaves of *Acer circinatum*, Everson, Wash., Aug. 1892 (C. V. Piper).

Spots orbicular, scattered, 2–3 mm. diam., pale yellowish-white, definite but without any distinct border. Perithecia amphigenous, few (4–10), subcircinately arranged around the whitish center of the spots, small, 75 μ diam. Sporules abundant, filiform, variously curved and bent, 30–60 x 1½ μ , nucleate, but not septate. Seems quite distinct from the other species on maple.

Septoria Tecomæ E. & E.

On leaves of *Tecoma radicans*, Nuttallburg, West Va., Aug. 1894 (L. W. Nuttall, No. 580).