

**KEY IIG1. Corticolous/Lignicolous.**  
**Sorediate; Photobiont Trentepohlia;**  
**Thallus C+ red.**

1. Soralia pale fawn, mottled brown, never orange even when fresh. .... Opegrapha fumosa

1. Soralia with yellow or orange tinge at least when fresh. .... 2

2. Soralia yellowgray, often confluent, on a dark brown thallus; dark prothallus often present. On hard, smooth bark. Gyrophoric and schizopeltic acids. [Not reported for N. America]. .... (Opegrapha gyrocarpa)

2. Soralia pale yellow to buff, small and  $\pm$  discrete, on an olive to graybrown thallus; dark prothallus sometimes present. On smooth or rough bark. Gyrophoric acid. [Not reported for N. America]. .... (Opegrapha sorediifera)

**KEY IIG. Corticolous/Lignicolous.**  
**Sorediate; Photobiont Trentepohlia;**  
**Thallus P+ yellow, orange or red**

1. Thallus superficial, crackedareolate; soralia discrete, or as lines along cracks in the thallus; soredia farinose, ca. 1530 um diam. Protocetraric acid. [Not reported for N. America]. .....  
(Enterographa sorediata)

1. Thallus mainly immersed, not distinctly cracked; soralia discrete, rounded; soredia finely granular, ca. 3070 um diam. Fumarprotocetraric acid. [Not reported for N. America]. .....  
(Schismatomma quercicola)

**KEY IIG. Corticolous/Lignicolous.**  
**Sorediate; Photobiont Trentepohlia;**  
**Thallus C, K, KC, P.**

1. Thallus conspicuous, pale gray to chalkywhite, often  
widespreading, not distinctly mosaicforming; "soralia" (ascomatal  
initials?) pale brown, flecklike, to 0.5 mm diam., ± scattered.  
On dry trunks of oak in old woodlands and  
parklands. .... Lecanactis amylacea

1. Thallus inconspicuous, gray to purplegray, mauve or dark  
brown; individual thalli often small, sometimes mosaicforming;  
soralia various. Ecology various. .... 2

2. Soredia gray, pink, mauve or lilacgray. .... 3

2. Soredia with a pronounced yellow, yellowochre or orange  
tinge. .... 4

3. Thallus lilac to pinkgray; soralia at first punctiform,  
becoming confluent. On dry sides of old trees. [Not reported  
for N. America]. .... (Schismatomma decolorans)

3. Thallus dark brown, often tinged mauve and delimited by a  
dark prothallus; soralia punctiform. Containing confluent  
acid. On smooth bark, usually near streams. [Not reported for N.  
America] .... (Opegrapha zonata)

4. Soralia pale fawn to ochraceous, at first 0.2-0.7 mm diam.,  
becoming confluent and to 23 mm wide. On old trees in open and  
woodland situations. [Not reported for N. America]. ....  
(Opegrapha corticola)

4. Soralia bright orange (quickly fading in herbarium), 0.1-0.3  
mm diam., sometimes becoming confluent. On exposed twigs and  
branches of trees and shrubs in boggy places, sometimes on  
shaded tree trunks. [Not reported for N. America]. ....  
(Opegrapha multipuncta)

ADD:

Thallus and soredia pure white. Containing ?lepranic acid. On  
dry bark of wayside trees. [Not yet reported for N.  
America]. .... (Schismatomma cretaceum)