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1.-Limestone bluffs, north of Eldon, Iowa.  
Looking northeast.



2.-Limestone ledges above Turkey creek.  
*Q. acuminata* on ledge. N. of Iowa City.



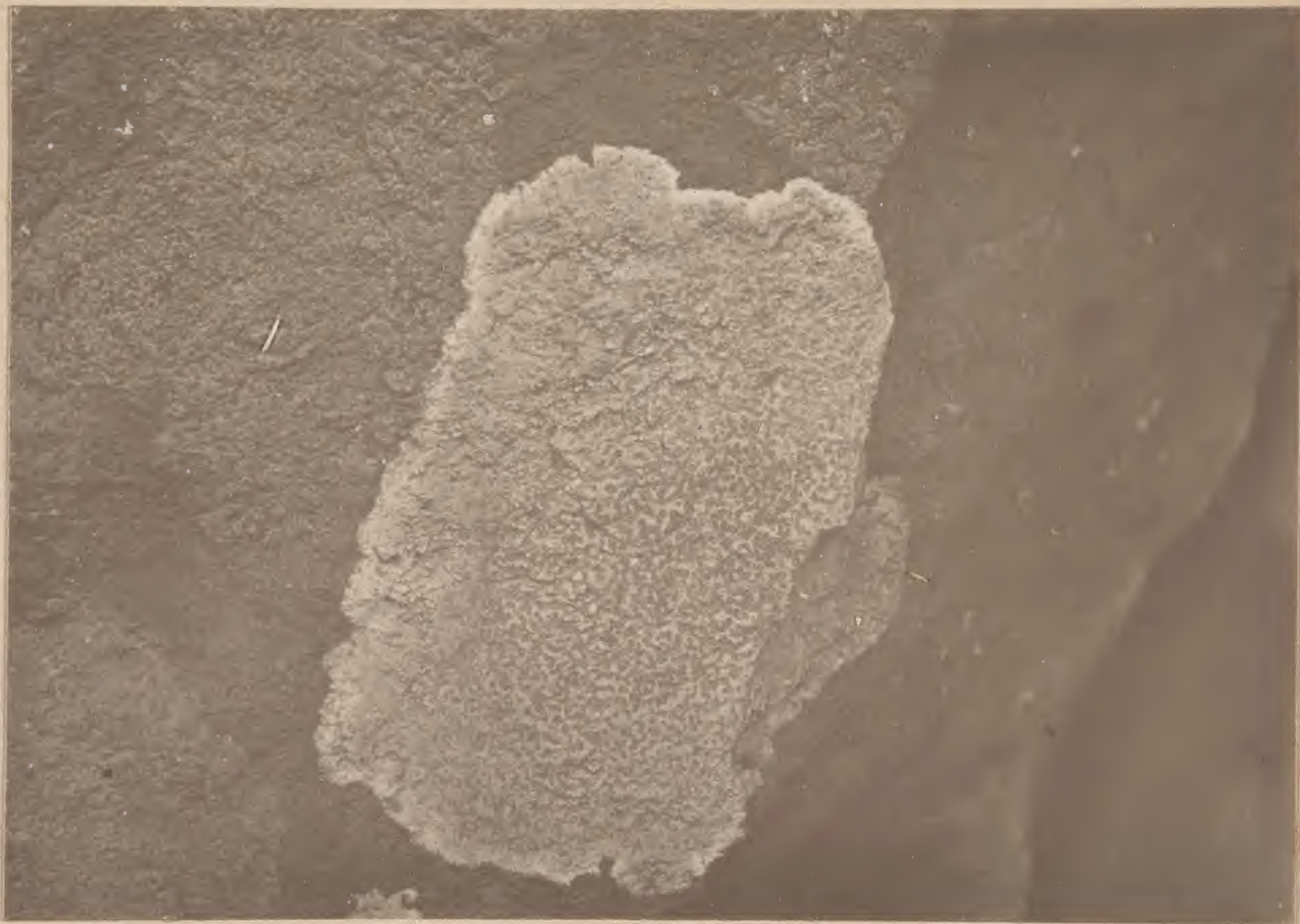
3.-Limestone ledges above Turkey creek.  
*Pellaea atropurpurea*. N. of Iowa City.



4.-Same ledge with *Pellaea atropurpurea*.  
Nearer view.



5.-Sandstone ledge with Polypodium and  
Conocephalus. E. of Muscatine, Ia.



6.-Sandstone ledge with *Lecidea albocae-rulea*. Sweetland cr. E. of Muscatine, Ia.



7.-Parmelia (a lichen) on bark of Green  
Ash. Near Bayfield, Iowa.



8.-Parmelia (a lichen) on bark of Red  
Oak. N. of Iowa City.