

BROWN UNIVERSITY  
DEPARTMENT OF BOTANY.

W. WHITMAN BAILEY, A. M.,  
Professor.  
J. FRANKLIN COLLINS, B. P.,  
Curator of the Herbarium.  
HAVEN METCALF, A. B.,  
Instructor.

PROVIDENCE, R. I., ..... 189

My method of making microscopic slides is as follows:-

My dissections are made in water on the stage of a simple microscope. This stage is removable so that it can be placed under a compound microscope and the smaller parts examined without disturbing their position. Such parts as I wish to retain are transferred to a few drops of dilute glycerine (10-25 per cent.) on a glass slide, on the end of which a number is marked with pen and ink for means of identification.

This is set aside <sup>with no cover glass</sup> until the water has entirely evaporated, leaving clear glycerine only. It usually requires at least an hour and often more unless the slide is placed where it will be warm (not hot) I usually leave it over

BROWN UNIVERSITY  
DEPARTMENT OF BOTANY.

W. WHITMAN BAILEY, A. M.,  
Professor.  
J. FRANKLIN COLLINS, B. P.,  
Curator of the Herbarium.  
HAVEN METCALF, A. B.,  
Instructor.

2.

PROVIDENCE, R. I., ..... 189

might when convenient.

After this it only remains to again transfer to hard glycerine jelly by any of the methods in general use. For the "permanent" <sup>slide</sup> <sup>+ cover</sup>, I greatly prefer - and invariably use now - mica, as this can <sup>be placed</sup> in a small envelope ~~which~~ ~~is~~ is glued to the herbarium sheet on which the plant <sup>itself</sup> is ~~also~~ fastened. The necessary legend for identification can be readily scratched on the mica with a metal point.



Britton, Elizabeth G. 1898. "Britton, Elizabeth G. May 23, 1898 [enclosed methods]." *James Franklin Collins correspondence*

**View This Item Online:** <https://www.biodiversitylibrary.org/item/258556>

**Permalink:** <https://www.biodiversitylibrary.org/partpdf/273505>

**Holding Institution**

Harvard University Botany Libraries

**Sponsored by**

Andrew W. Mellon Foundation

**Copyright & Reuse**

Copyright Status: Public domain. The BHL considers that this work is no longer under copyright protection.

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.