Identification Methods of Plant Materials of Excavated Weavings

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There have been few researches on the plant material of excavated weavings. As the cause, it is pointed out that methods to make sections have not been established and living plant specimens to compare are insufficient. Sectioning is difficult because materials of excavated weavings are thin and often pressed. Furthermore, they are preserved in various conditions, such as chemically processed or unprocessed. We need to establish the way to make sections according to each condition.

We have examined a hand-sectioning method and an epoxy resin-embedding method. We also tried recovering pressed plant materials. By using above two sectioning methods properly, we made sections of not only weavings excavated in good condition but also ones of bad quality or chemically processed. Treating with ammonia was useful for recovering pressed plant materials.

Ammonia treatment has some problems to make permanent prepared slides, so we will improve the methods.

Key words: weavings, material identification, epoxy resin embedding method, restoration of collapsed plant material