

EARLY LAND PLANTS

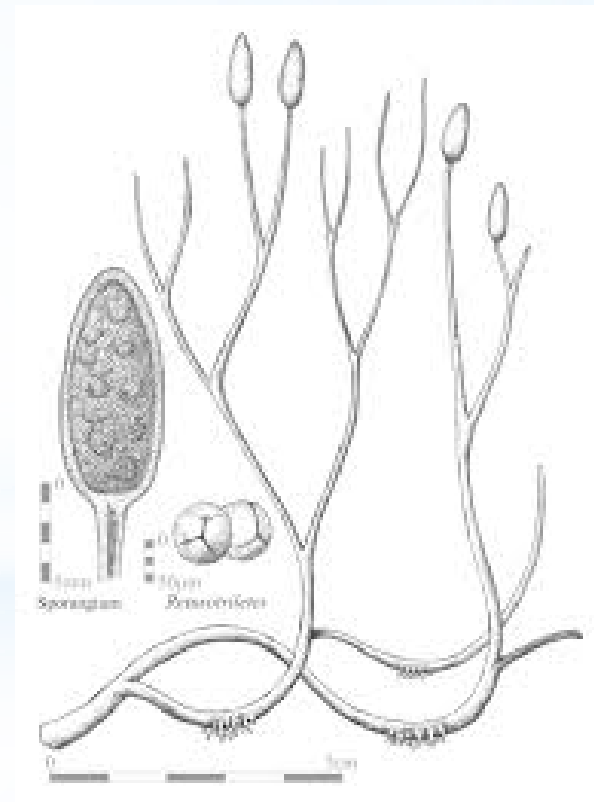
1st SEM

CC-2 UNIT-4

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INTRODUCTION

They occupy a significant place in the history of life.



- **All members extinct**
- **Classification of extinct vascular plants**
- **Earliest and oldest vascular land plant group**
- **From the Middle Silurian to the Early Devonian (419–393 Myr ago). Rhyniophytes (informal name)**

- **They just have branches instead of leaves and no root.**
- **They had a basic shoot that rose from a creeping axis.**
- **These stems or shoots frequently split into two and then again, or they occasionally ended in sporangia, which are capsules that contain spores.**
- **Sporangia shape and spore detail is important**

- **In order to distinguish them from Eutracheophytes, they are known as Paratracheophytes.**
- **Some species are classified as different members of the class Horneophytopsida because they lack vascular structures.**

- **These plants were extinct and had no seeds, flowers, or leaves.**
- **They had horizontal stems that were joined to the soil by root hairs in place of roots. The height of the entire plant was typically less than 50 cm.**

DIVERSITY

- **Rhynia**
- **Huvenia**
- **Cooksonia**
- **Stockmansella**

Diversity

- *Rhynia*
- *Huvenia*
- *Cooksonia*
- *Stockmansella*



Thank you