

A Taxonomic Monograph of
Equisetum Subgenus *Equisetum*

by

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With 65 figures

"Je suis convaincu que, pour arriver à la connaissance sérieuse d'une espèce, l'étude de sujets en herbiers est insuffisante, et qu'on n'y parvient avec certitude que par l'observation fréquemment répétée de la plante vivante, à ses divers états de développement et dans des lieux différents."

(Duval-Jouve, 1864, p. 162.)

"Sine examine microscopico nulla scientia Equisetorum!"

(Milde, 1867b., p. 213.)

Introduction

The genus *Equisetum* has long attracted the attention of botanists because it is the sole extant representative of a subdivision (or by some authors considered a division) of the vascular plants. Morphologists and paleobotanists in particular have been interested in it as a key element in trying to understand the evolution of vascular plants, and to interpret fossils of the Equisetophytina (Sphenopsida). This genus has also attracted the attention of plant chemists, because of its ability to take up and deposit silica. Other botanists, doing surveys of various aspects of the plant kingdom, have studied *Equisetum* as representative of one major group of plants.

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He is considered to be one of the
foremost experts in the history of
Equisetum research.