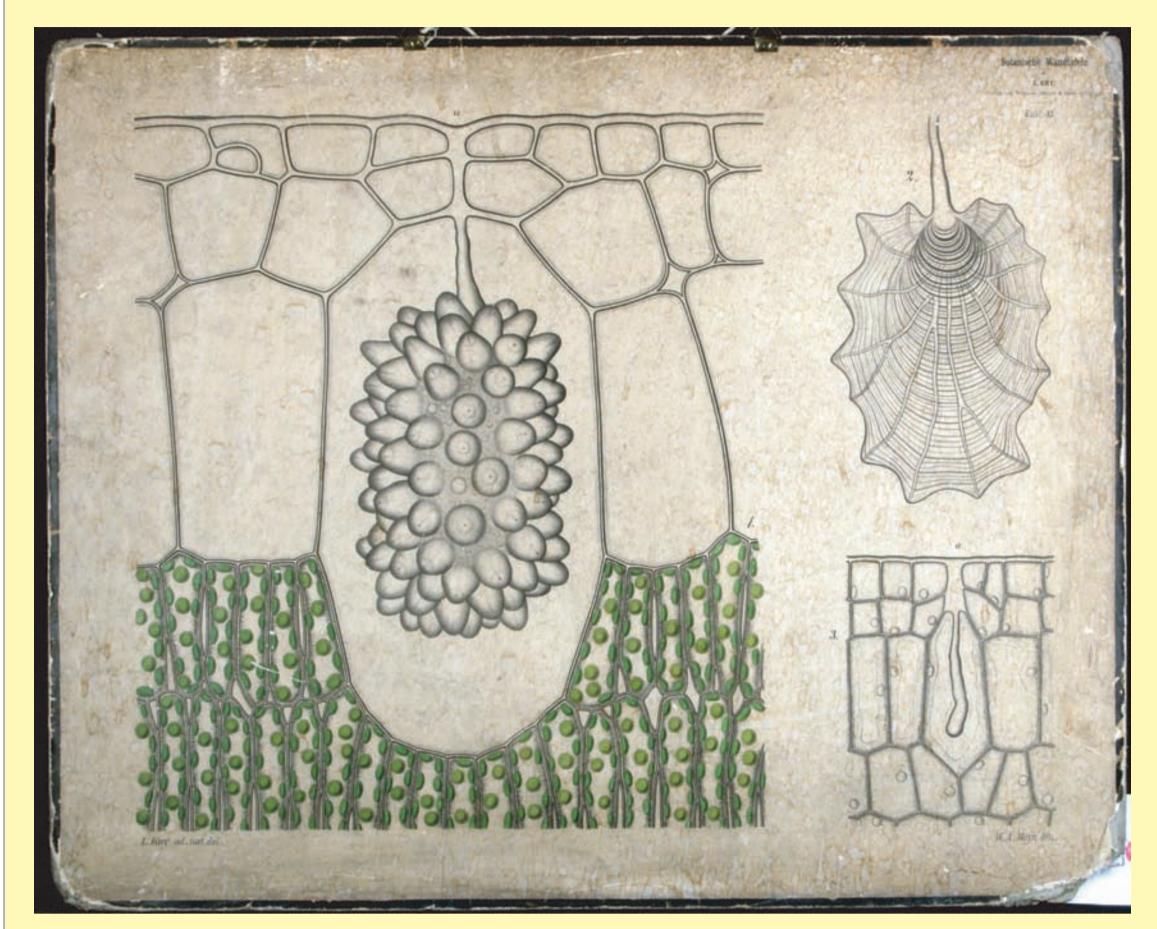


## **The Digitalization of Rare Wall Chart Collections** (The largest digitalized collection in Europe)

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The Department of Botany and Plant Physiology owns valuable complete and also non-complete picture collections on general and systematic botany from the late 19th and early 20th century. They consist of lithographs measuring approximately 550  $\times$  900mm. Although many of them are in bad condition (they were injured during WW2) they do have an invaluable worth.

To make them available for teachers and students all lithographs (about 600) pieces) have been digitalized. The digitalization helps students with understanding complicated morphological-anatomical structures of plants as well as to recognize characteristic signs of representatives of plant families. In

L. Kny: Botanische Wandtafeln (1874 - 1914), Tafel XI. -Cystolith in the specialised cell of the leaf epidermis of Ficus elastica.

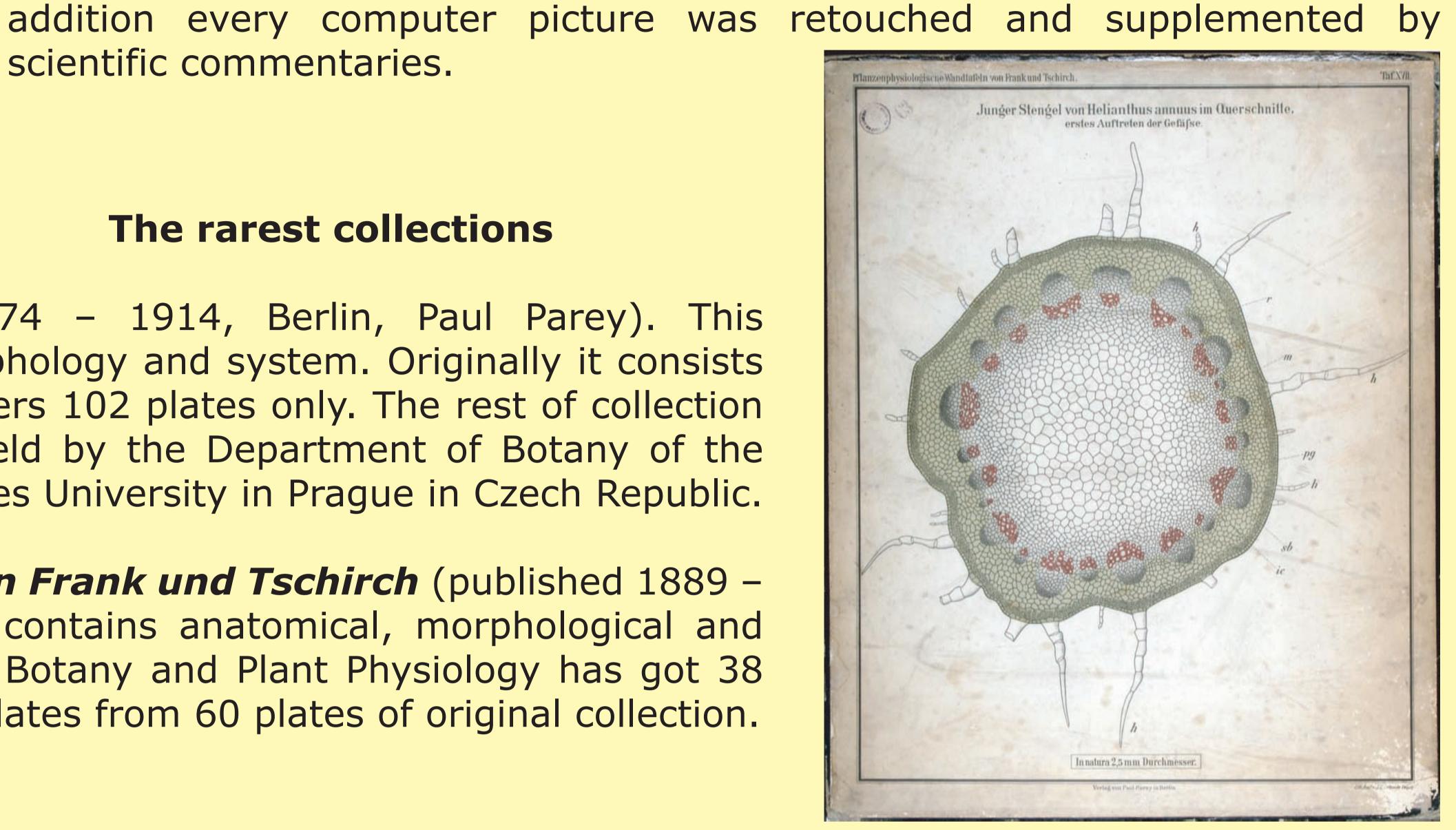
## **The rarest collections**

scientific commentaries.

Botanische Wandtafeln (published 1874 – 1914, Berlin, Paul Parey). This lithograph collection covers anatomy, morphology and system. Originally it consists of 120 plates but the departments set covers 102 plates only. The rest of collection within the accompanying a textbook is held by the Department of Botany of the Charles University in Prague in Czech Republic.

Pflanzenphysiologische Wandtafeln von Frank und Tschirch (published 1889 – 1894, Berlin, Paul Parey). The collection contains anatomical, morphological and physiological pictures. The Department of Botany and Plant Physiology has got 38





Pflanzenphysiologische Wandtafeln von Frank und Tschirch (1889 – 1894), Tafel XVII -Cross section of the young stem of Helianthus annuus.

**A. Peter: Botanische Wandtafeln** (published ???, Berlin, Paul Parey). This collection engages in plant system. The Department's collection includes 40 of 53 plates. (There is no information about this collection in our library. The Department of Botany and Plant Physiology welcomes any additional information about these charts.)

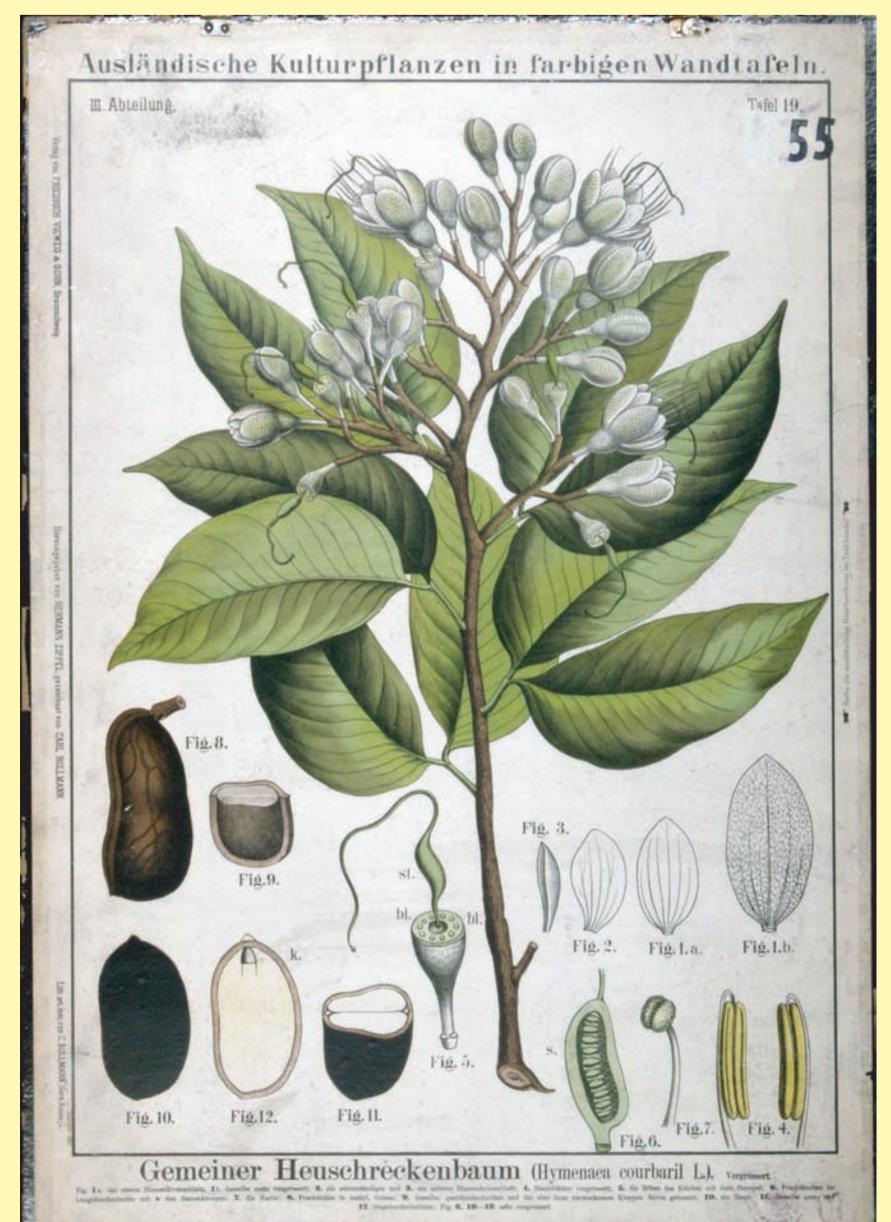
Botanical Atlas by Arnold & Carolina Dodel-Port (published 1878-1883, Switzerland). There are illustrated series on plant system in this collection. The Department of Botany and Physiology holds 36 plates from 42 plates of A. Peter, Botanische Wandtafeln, Tafel 29 - Passifloraceae the original collection.

Hermann Zippel: Ausländische Kulturpflanzen in farbigen Wandtafeln (published 1889, Friedrich Vieweg & Sohn, Braunschweig). Originally it consists of 24 plates but the departments set covers 13 plates only.

Hermann Zippel & Carl Bollmann: Ausländische Culturpflanzen in bunten Wand-Tafeln (published 1876, Friedrich Vieweg & Sohn, Braunschweig). There are illustrated series on tropical and subtropical plants in this collection.

The picture database is placed on the web pages of the Department of Botany and Plant Physiology. You can download digitalised pictures in preview quality from: www.af.czu.cz/kbfr/en/download.html.









Botanical Atlas by Arnold & Carolina Dodel-Port (1878-1883) - Centaurea cyanus L.

Hermann Zippel: Ausländische Kulturpflanzen in farbigen Wandtafeln (1889), Tafel 19. -Hymenaea courbaril L.

Hermann Zippel & Carl Bollmann: Ausländische Culturpflanzen in bunten Wand-Tafeln (1876), Tafel 8. - Artocarpus incisa L.

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