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*About the Institute*

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

*Pinus donnell-smithii*

Essex. of Plate. \* II.

1. Portion of branch with leaf-scars, tufts of leaves, primordial leaves and male flowers. nat. size.
2. Tuft of leaves with sheath of leaf-scales at the base
3. Portion of leaf magn. 4 times showing lines of stomata and serrations at the edge.

3a on tab. ~~II~~. section of leaf magn. 50 diam. showing epiderm, two layers of hypo- or exodermis, stomata, mesophyll with sinuous cells, a triangular pericycle with well marked endoderm and a branched fibro-vascular bundle with phloem towards the dorsal side of the leaf and xylem towards the upper edge. Between the two masses of xylem are several large libriform cells.

~~Plate B~~

- 9 ripe cone
- 10 longitudinal median section of cone
- 11 detached scale of cone showing apophysis and umbo
- 12 scale of cone seen from the side

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13 - young seed

The drawings were made from the dried specimens by  
Mr Worthington f. Smith

~~Plate 4 continued~~

4. Primordial leaf or  
"Squamula fulcrans"  
magn. 4 diam.
5. male flower isolated  
magn. 2 diam.
6. Stamens from the front  
and from the back  
magn. 6 diam.
7. Stamen from the side x6.
8. Pollen grain, magn. 200 diam.

*Passiflora porphyretica* Mast. Sp. nov.  
(§ *Decaloba*).

Scandens cirrata, ramulis teretibus setis longiusculis patentibus fulvidis dense vestitis; foliis 5-6 Cent. long. + 3-4 Cent. lat. superioribus gradatim minoribus, crassiusculis superne scabriusculis, infra molliter setuloso-tomentosis, ~~sub~~ rotundis palmatim trinervis, basi breviter cordatis, lobis rotundatis divergentibus supra, ultra medium trilobatis lobis obtusis integris, medio parum longiore; petioli 25 mill. long. eglandulosi; stipulis 8-10 mill. long. oblique ovatis acutis violaceo-purpureis; floribus numerosis axillaribus ramulorum racemoso-fasciculatis; pedicellis 2 Cent.; bracteis floribus approximatis circa 1 Cent. long. ovato-oblongis acutis petaloidis violaceo-purpureis; floribus diametro 2-3 Cent., tubo lato expanso; sepalis oblongis 3-nervis; petalis conformibus paulo brevioribus; Corona fauciali uni vel biseriali filis crassiusculis purpureo-maculatis petalivis brevioribus; Corona media membrana dimidio brevior erecta, tubulata plicata margine anguste inflexa; Corona infra  
mediana

mediana annulari crassiuscula;  
gynandrophoro gracili glabro; ovario  
ovoideo setuloso; styli gracilibus.

Guatemala. 1894. Heyde et Lup  
n. 6334 in coll. J. Donnell  
Smith. Vidi spec. sic.

Species ob stipulas bracteasque coloratas,  
nec non ob inflorescentiam  
racemoso-fasciculatam commemorabilis.

Plate

Passiflora porphyrea Mass.

Sp. n.

Ramuli floriferi cacumensifolium  
magnitudine naturali, Hipula,  
~~bis auct.~~ Bractea, Sepalum, Petalum  
~~bis auct.~~ nec non Floo in sectione  
mediana verticali visus bis aucti.