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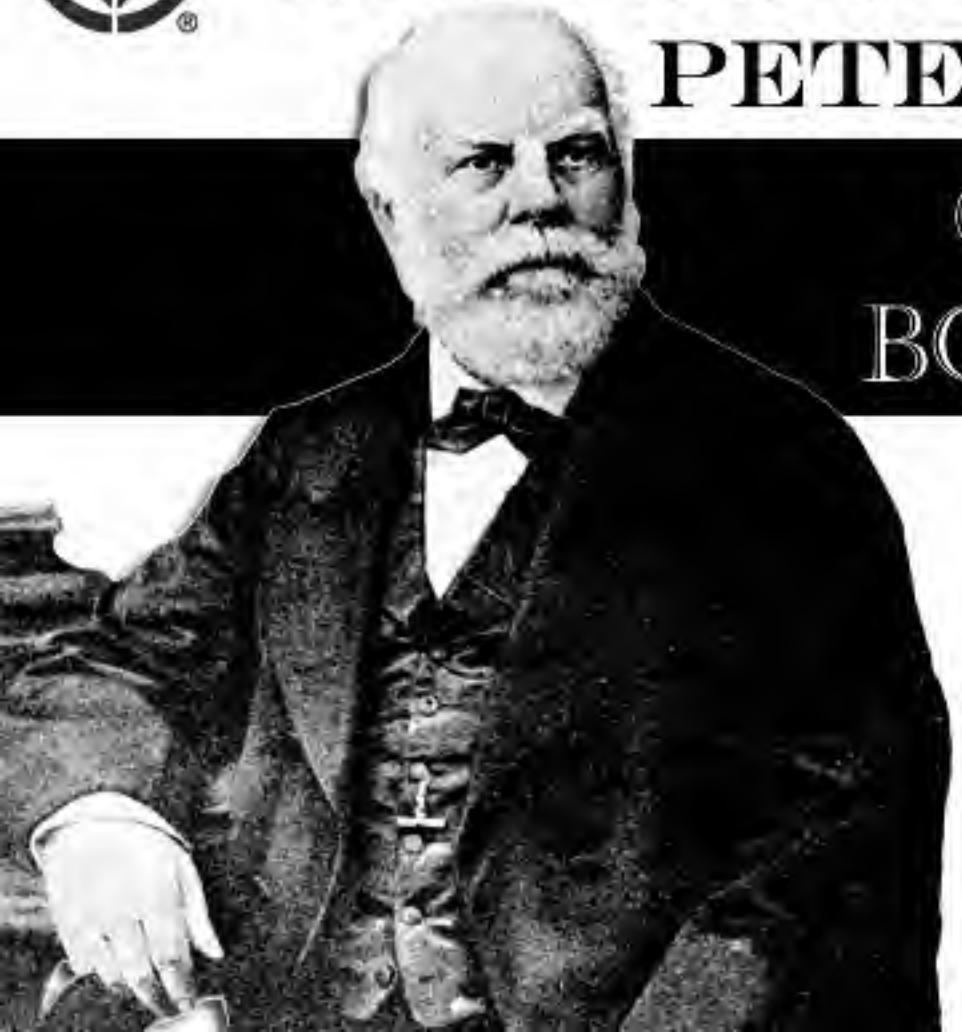
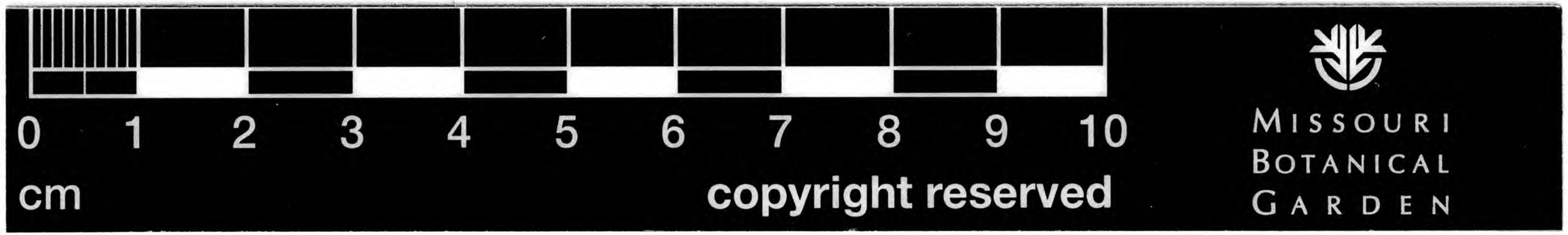


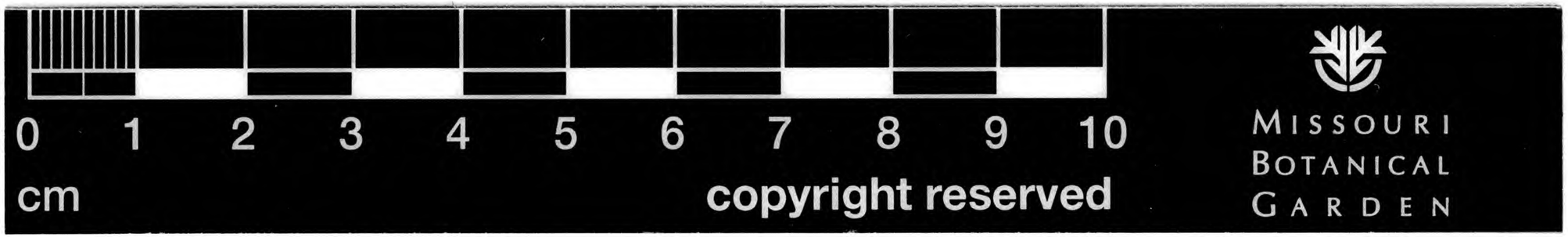
Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Cereus campechianus is an excellent base for grafting

1764 Hanke, Prag



MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



Aug 21st 1872

Galapagos group under the Equator
10 degrees out of the coast
of Ecuador

Galapagensis n. sp.

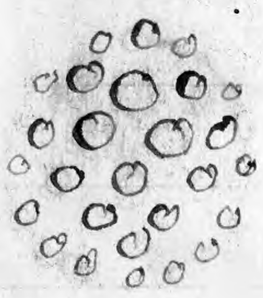
Cereus strigosus? multangularis? 1765

collected by A. Agassiz on the Galapagos Islands — only species growing there and same found on all the larger islands of the group visited.

My specimen is columnar, 16 inches high 2 3/4 inches in diameter, below with 14, upwards 16 ribs, which are 2/3 inch apart, somewhat tuberculous — ~~shallow~~ sinuate, with shallow grooves between.

Areolae 2 lines in diameter with white short, permanent tomentum 2–3 lines apart.

Spines acicular, straight, very numerous, the larger ones directed upwards 1/2 – 2 3/4 inches long, all of a reddish or yellowish grey; all the upper spines



~~interior~~ and exterior larger, lower ones smaller, 8 or 10 interior 12 – 16 exterior ones; one upper interior (rarely 2) much longer than the balance. shorter ones 3 – 12 or 14 lines long.

Near Cereus strigosus, Chili, said by Labouret to be the same as C. myriacanthus (phyllanthus) which ought to be C. myriacanthus see Rev Notes Eulychnii gillies, with 15 – 18 ribs and Cer. multangularis with 18 – 20 ribs — Salm: sect Multangulares. Most probably of the section Eulychnii

This is the section Multicostati Salm Cact 1849 p. 43 to which erroneously C. dasycanthus is added. — Labouret p. 321 copies the same arrangement. Probably all true species truly belonging here are from the west coast of South America.

Ch. Darwin saw what is probably the same plant, but did not collect specimens. Henslow in Bib. Mag. Jour x Bot vol 1. (1837) p. 166 says: Another Cactus was observed in these islands with the habit of Cereus peruvianus but only 2 or 3 feet high — it is the first plant that takes possession of the newly formed beds of lava.

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Sept 21 1872

Cereus

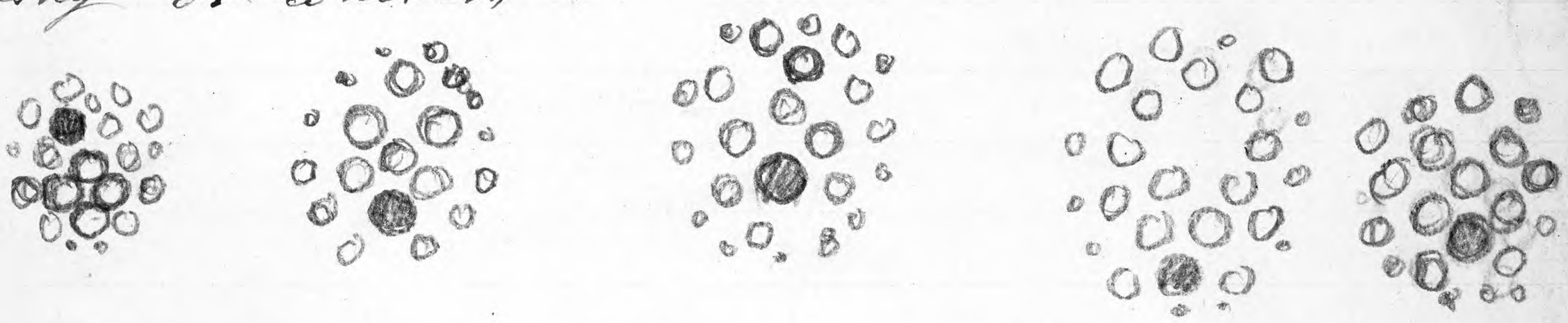
Serro de Montevideo L Agassiz 1872

The specimens before me are two branches 1½ feet long and nearly 2 inches in diameter, one with 8, the other with 9 ribs, one of them again branching, branklets 1 inch diam. with 6 ribs

Ribs slightly sinuate, the large (4 l. diam) hemispherical areolae on a slight tubercle.

Areolae large, at first circular, at last oval, with short gray evanescent tomentum, rather close, together, about 9 lines from centre to centre, (space between 6-7 lines)

Spines very numerous stellate unequal, terete straight stout, exterior 3-9 lines, interior to 2 inches long, at first 18-25; in the larger older areolae 35-45 in number. Spines then gray dark brown or black, old ones in one specimen remaining dark, in another becoming ashy or whitish.



1766

No regular radiating spines; 4 (central) largest interior ones, stoutest seem to be always recognizable, the lowest usually the longest stoutest directed downward, usually at least 3-4 upper central ones, one of which conspicuously directed upward, sometimes stouter and longer than the lower ones. in older, larger branches there is also a set of lower interior spines — so that we find from 7 to 15 interior larger spines and 12 to 20 and more more or less exterior ones, gradually diminishing in size, the

~~& shortest~~

Glandernst ones usually on the lower edge,

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over

"Cardon"
Buenos Ayres
Phil Exhib.

Openings for the
vessels to the
insides of spikes
not in strictly single rows
lower part of an apparently
very tall trunk,

1767

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Woody ring 3/4 inches thick, cavity 9 inches diameter. Whole thickness of woody cylinder 15 1/2 inches

Wood of "Cardon" (Cereus) Cav. Philed. Exposition from Republic Argentina about 1930. rows of openings, indicating 30 ribs

over

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Cereus Emoryi Eng Sill Jour 14. p. 338
Nov 1852

Cal. & State Survey, Dr Wm H. Brewer,

16–17 ribs " yellow flowers in 2–4 feet high,
Quite abundant San Luis Obispo, on rocky hills
from Salinas Valley to Los Angeles, on the coast ranges

Mechan in Bot Gazette Jan 1883 publishes an
observation on this species, the fruit opened and the
seeds with the placentae were expelled and lodged
among the spines of the plant

644-8

1768

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Cereus Emoryi May 3d 1876

from San Diego – fresh

1769

42 mm

Style 16 mm long

stigma 8 mm (13) – number

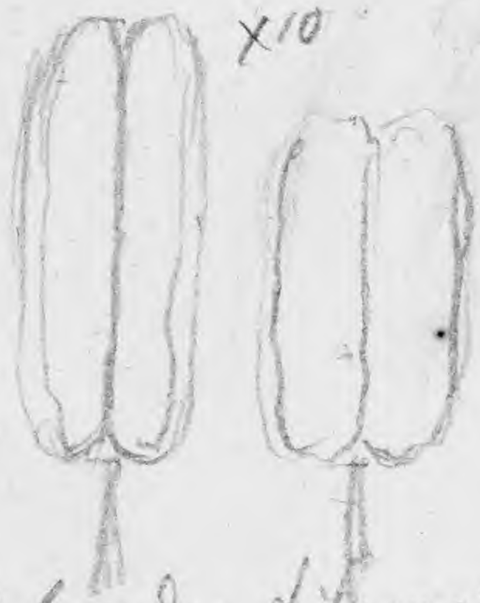
petals 15 × 6

×10

Color greenish – sulph yellow

outer ovarian sepals, subulate tip redbrown

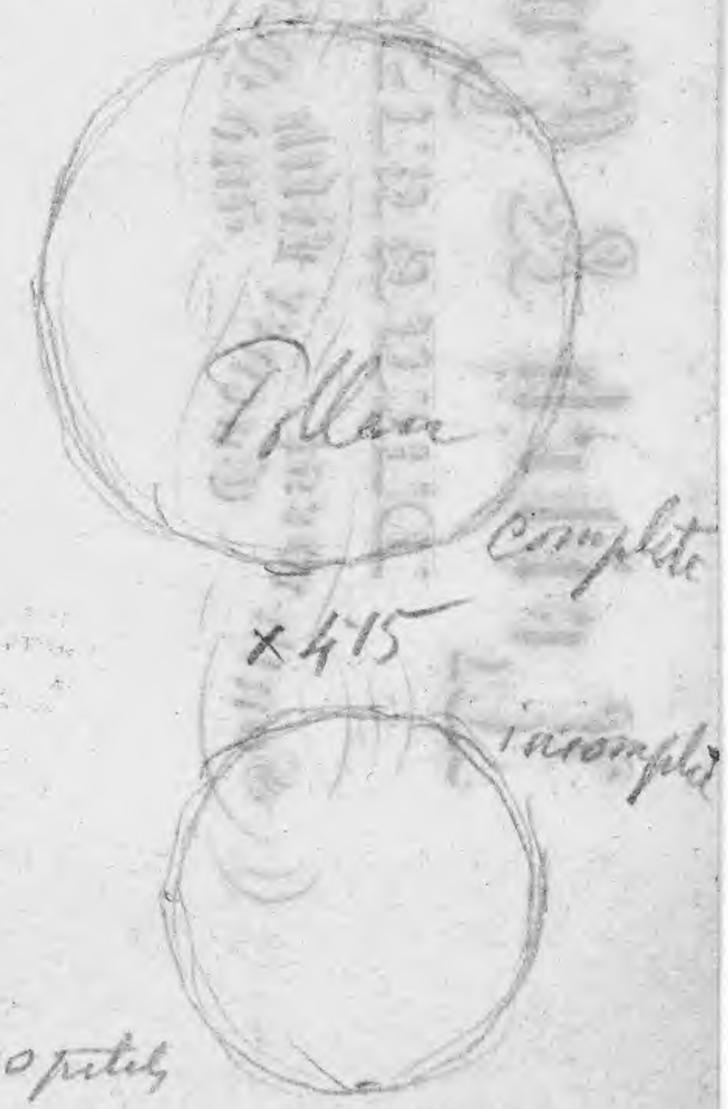
Stig – yellow 12-13



×10

innermost stamens sing with broader filaments connate at base, and arched over the nectarian cavity

innermost anthers larger than others



25-30 petals

50 inner sepals

100 external "

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Leitch & Corlies

DRUGGISTS

South-west Corner Fifth and Market Streets

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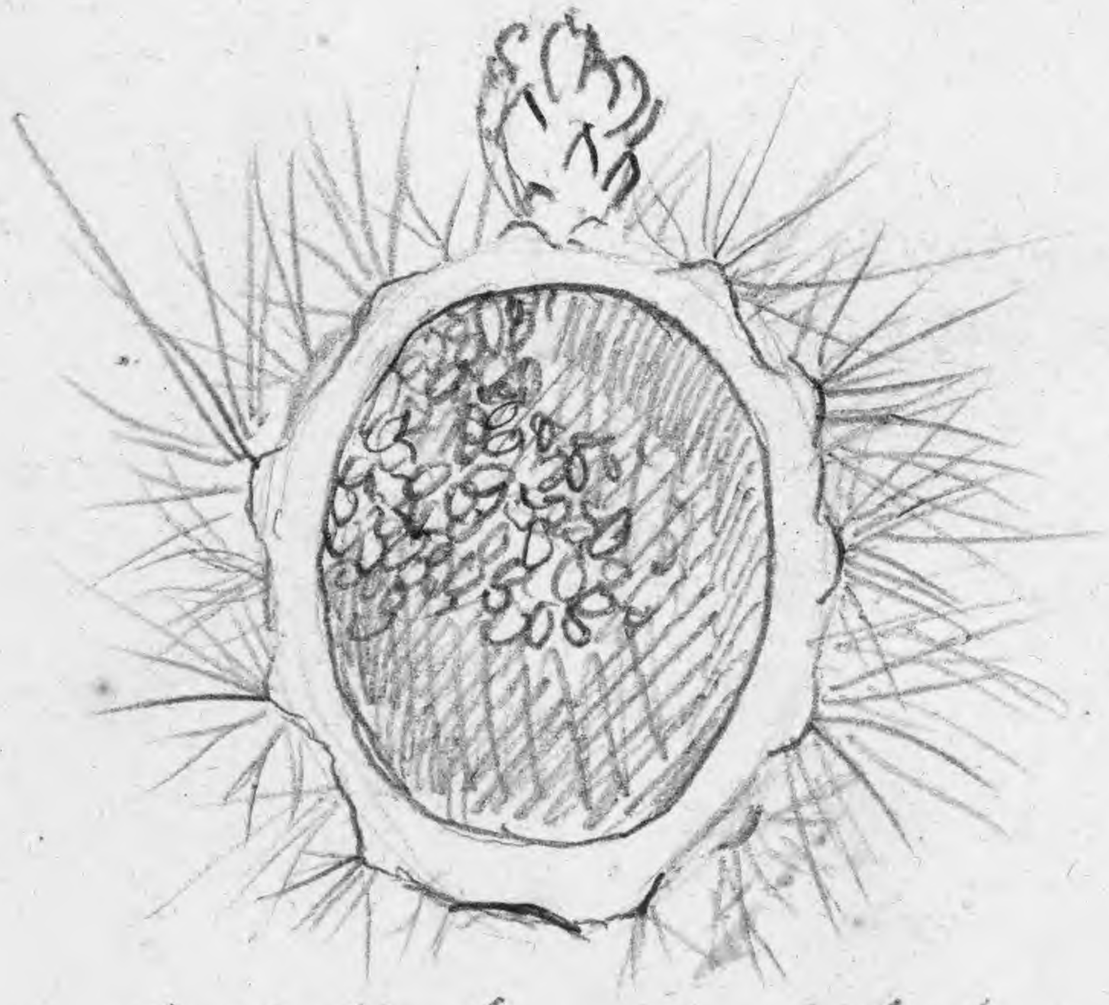
Cereus Emoryi

San Diego

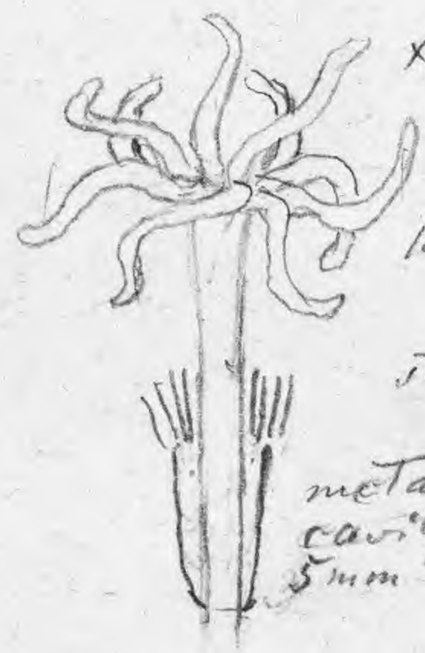
Octo 23 1875

1770



fruit somewhat juicy but apparently soon drying up.

18–21 recurved mucronulate, deciduous petals



×2

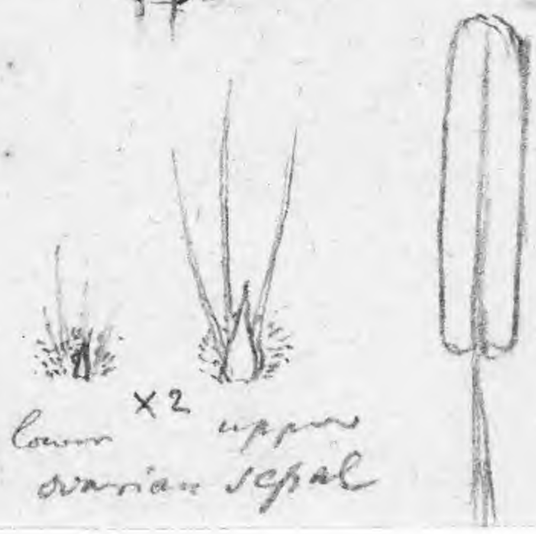
×2 petal of bud

10 stigmas

6 mm long } 18 mm
style 12 mm }

nectarian cavity 5 mm

whole flower 32 mm



×10 petals 10

stam 7
tot 12 { nect. 5

ovary 10

flower 32 mm

×2

lower ovarian sepal

upper sepal

fruit fleshy, purplish, inside, greenish outside pulp dark purple, & with the numerous large black seeds almost black

0 1 2 3 4 5 6 7 8 9 10
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Alex. Leitch,

APOTHECARY & CHEMIST,

Cor. 4th & Olive Sts., St. Louis.

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March 1856

L. Cor. Emory

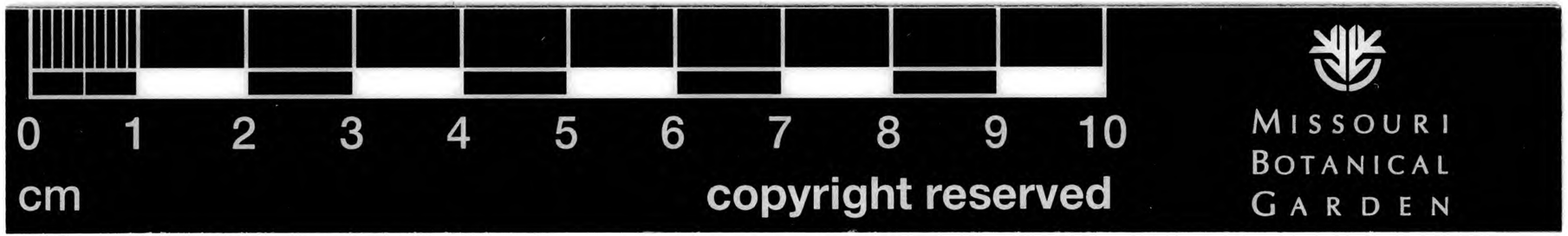
San Diego

Parry

see V. 8

Seed 0.14 long, obovate acute at base, strongly keeled, obscurely & slightly tuberculate; hilum ventral narrowly oblong

1771



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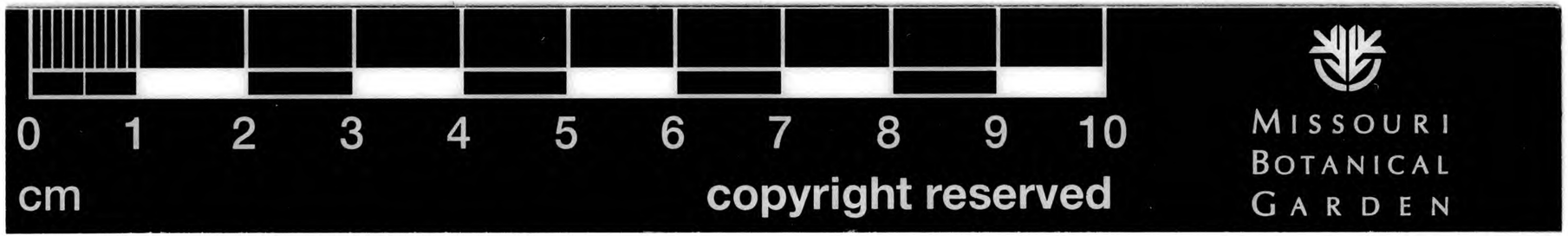

Sill Journ 14 p. 338 (Nov 1852) Dec 1872

Cereus Emoryi Engelm. San Diego & Agiscoz, Hassler Exp. 1872

Specimen before me is a single joint, ascending, clavate, 17 ribs, 7 inches high below 8 lines, upwards 1½ inches diameter, tubercles closely berset with prominent hemispherical areolae 1½ lines in diameter closely set abt 4 lines apart bearing yellowish gray wool, and numerous intermixed bright yellow acicular spines. Extenior spines 3–5 lines long, in well developed part of plant about 35 or even 40; interior spines 3–6 stouter 8–14 lines long, largest below, projected or a little decurved.

On lower part of clavate joint, all the spines are small and covers, stellately, the whole areola

1772

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Wm M Gabb No 4 Peninsula Calif 1867 1773

Cereus Emoryi Engelm Cat. Bound p 40 t. 60 fig 1-4

erecto diffusus ~~ramosissimus~~, multicostatus; areolis orbiculatis approximatis; aculeis ~~numerosissimis~~ gibbis acicularibus, mixtis 40-50 stellatis, intermixtis plerique 2 superpositis multo longioribus deflexis. floribus flavis

~~from~~ Rosario to lat 31°30' on gravelly plains (and to San Diego, Parry). Grows 3-4 feet high, but very straggling, ~~branches~~ 1-2 inches in diameter, densely covered with the interlacing acicular spines. Ribs sharp about 8 or 9. Areolas orbicular, ~~prominent~~, 4 mm diam. scarcely twice as far apart. Smaller subulate spines stellately covering the areola 5-12 mm long; larger ones 3 to 5 cent long deflexed. For descr. of flower and fruit see elsewhere.

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No. 4 Ce
species, 3.
U.S.; branches
wider; the
much more
dulce, often
long slender
each group
and yellow.
soft: used
filled with to
from Rosan

0 1 2 3 4 5 6 7 8 9 10
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...ucce of the
...fornian
...insula
... Gabb 1867

No 4 Cereus (Chorea Cardon) [C. Emoryi Eng] A smaller species, 3-4 feet high, with a habit, intermediate between No. 3 and 5; branches 1 to 2 inches in diameter, cylindrical, grooves 1/4 inch wide; the branches having a tendency to an exact position but much more straggling in their arrangement than the Pitahaya dulce, often drooping; profusely covered with a large number of long slender yellowish spines, radiating, the central one or two of each group much longer than the others. Flowers small and yellow. Fruit unknown. Woody skeleton cylindrical soft; used by the Natives for cigars, when cleaned out and filled with Tobacco. Only found on the gravelly plains from Rosario to about Lat. 31.° 30' N.

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According to A Schott
the following figures in Mex. Bound. Rep.
vol I refer to:

Cereus gigantea pl. 41. 43. 44. 46 54. 55

C. Thurberi pl. 48. 49. & plate opp. p. 122

C. Engelmanni pl. 45. 54. & plate opp p. 122

C. Schottii pl. 51

1774

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Was ist

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pl. 1 von Rio del Norte Yucca mit Stamm

8. 9. Tonquiera mit Agave ?

27. Yucca & Agave ? Dasylir ?

pag. 122 col. 2 plat. C. Thut. ifr.

Agav. parviflor. leaves linear from a broad base ??

pl. 42 Y. baccata ?

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Cereus, Tepic, Hartweg, with delicious fruit, in May. Pitaya.
trunk 2–4 feet high, 1–1½ feet thick, branches triangular
20–30 feet high.
climbing?
Why not triangularis?

1775

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Washington, D.C.

elmann

Dear

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to see every

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d. to Prof Boec

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394. Schott. Yucatan 1865?

Cer. variabilis ?

Common throughout the Country in all Localities

Crimson sometimes angled berry much cherished by Man & Beast

1776

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Cereus Peruvianus
seedlings have 7 ribs
(Parry)
1777
3 inches high — December 1870, sown in March before

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L. O. WOODRUFF,

Druggist,

Cor. Sixth St. & Washington Ave.,

Opposite Lindell Hotel

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Cereus Rectus Aboriginorum Engel

planted March 1870, Dr Palmer's Sonora Seed

Now, March 1871, 2 inches high, elevate,

8 ribs, 4 primary and 4 secondary ones,

but all apparently just from above the large

fleshy still persistent Cotyledons, the primary

a little lower than the others commencing. 1778

Cotyledons & ribs

10–12 spines, upper shorter,

lower and 1–3 interior ones longer.

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