Prodromus DC Prod 8. 490 (1844

Asclepiadeae

1 Periplocae 491

2 Secamonae 500

3 Asclepideae verae 507 Mass polle perpen

a. Astephanus 507 no corona stam.

b Microlomae 510 scales in corolla, no corona ~~Metastelma~~

c Haplostemmae 511 corona simple Metastelma ~~Br~~ Decaisne, Oxystelma Fox.

d Cynanchae 526 corona cyathiform ~~Sarrostemma~~ Cynanchum ~~Cynanch~~

e Sarrostemmae 535 corona duplex Sarrostemma, ~~Cynanch~~

f Eustegiae 544 Cynanchum

g Asclepiadae 553

h Ditassae 561

4 Gonolobae 591 mass poll horizontal

Directions for Sending Insects.

All letters desiring information respecting noxious and other insects, should be accompanied by specimens, the more in number the better. Such specimens should always be packed along with a little cotton, wool, or some such substance, in a little paste-board box that is of convenient size, *and never enclosed loose in a letter*. Botanists like their specimens pressed flat as a pan-cake, but entomologists do not. Whenever possible, larvæ (i. e. grubs, caterpillars, maggots, etc.) should be packed alive, in some tight tin box—the tighter the better, as air holes are not needed—along with a supply of their appropriate food sufficient to last them on their journey; otherwise they generally die on the road and shrivel up to nothing. Along with the specimens send as full an account as possible of the habits of the insect, respecting which you desire information; for example, what plant or plants it infests; whether it destroys the leaves, the buds, the twigs, or the stem; how long it has been known to you; what amount of damage it has done, etc. Such particulars are often not only of high scientific interest but of great practical importance.

Instructions for collecting, preserving and studying Insects sent by mail, post-paid, upon receipt of thirty-five cents.

OFFICE OF THE

State Entomologist,

ROOM 29 INSURANCE BUILDING,

S. E. COR. FIFTH AND OLIVE STREETS,

St. Louis, Feb 17 1874

Dear Doctor,

The enclosed remarks come in the form now being printed. Will you revise or rewrite them and send them to me as soon as possible?

Yours ever

C. V. Riley

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

Mexico

Asontes (Mexicanae)

6.522 gomphocarpoides Dn Andings

cirrhalis Dn Andrin-

asperula Dn Gibba

1.564 Asclepias 3. lanuginosa Ktth

565 9 glaucescens Ktth

567 21 setosa Benth

568 22 prostrata Benth

569 29 rosea Ktth

30 subcordata Hbdk

32 verbascifolia var guldenii

var Chiapensis

570 33 linaria Cav

35 longicornu Benth

36 Melanthe Dne

37 uniculata Ktth.

571 38 tuberculata Dn

39 laxiflora Dn

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

Cambridge Mass
March 22/75

My dear Sir;

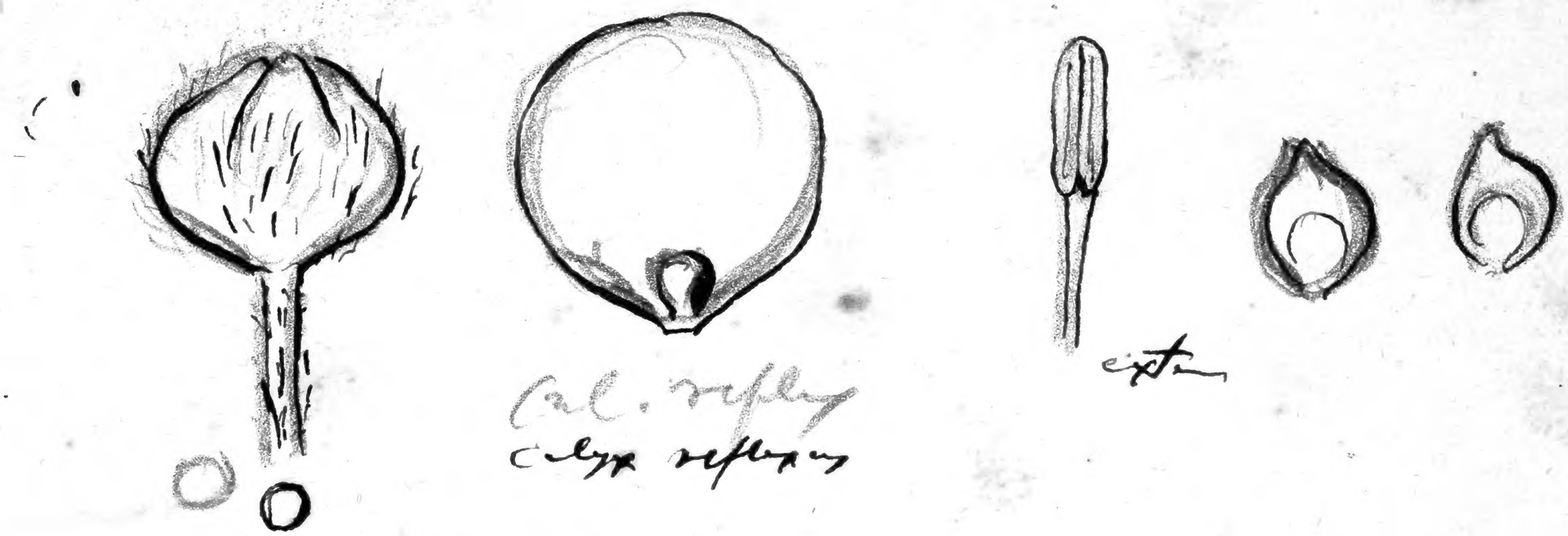
If you could spare me a copy of your very interesting lecture which appeared in the St. Louis Democrat of the 6th I would be greatly obliged to you & would refer something of my own in the same line which might interest you

Very truly
Your Obt. Serv.
J. D. Whitney

Dr. Geo Engelmann
St Louis

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO



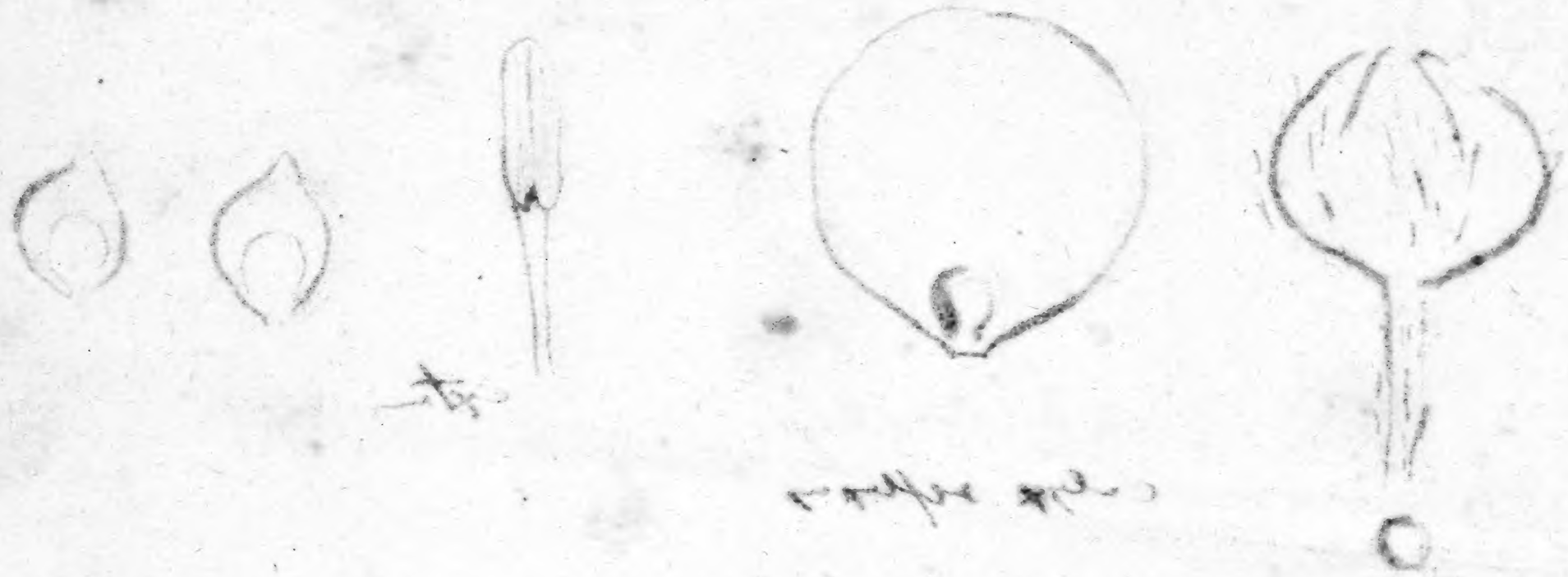
3

Ranunculus

radix fibrosa
1/2 – 2 pedcell.

Villa Borghese, shady grove
April 20 1858
just coming into bloom

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO



MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

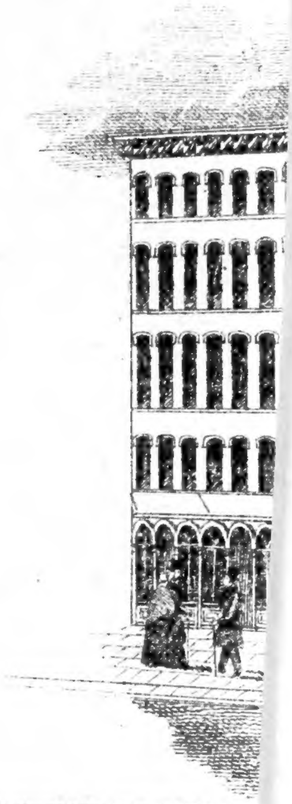
Thalictrum Fendleri

Eng. mss. 1868

see among the Loranthaceae

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN LIBRARY



EV

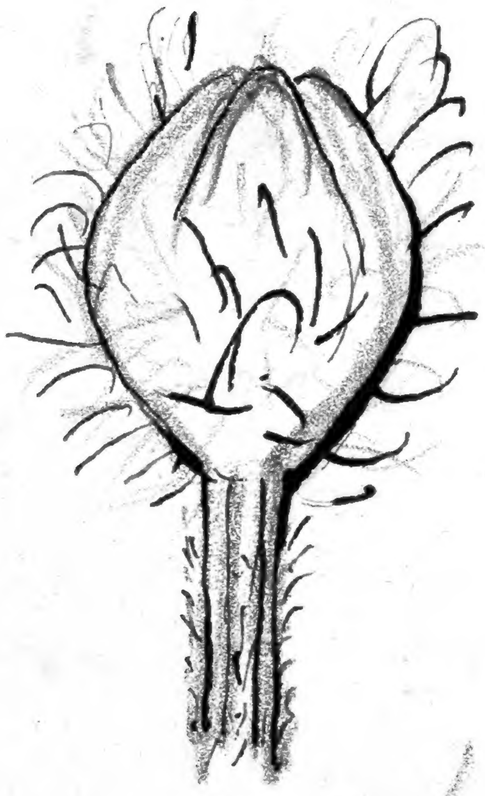
FOUR

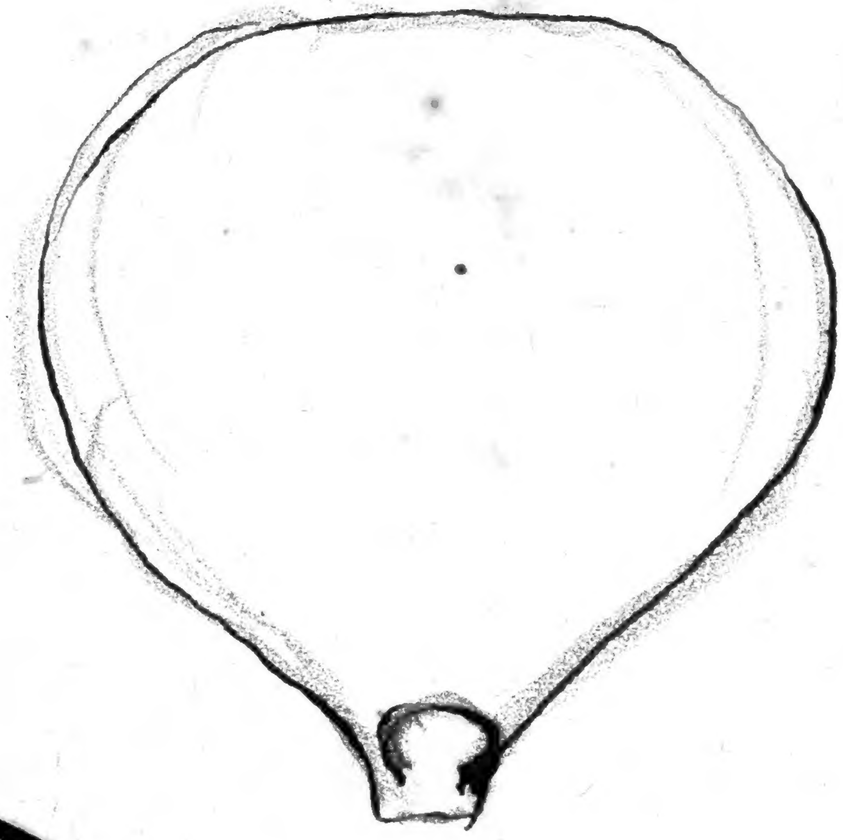
Jno. M. Fottrick Lith. 36 N. Main St. St. Louis Mo.

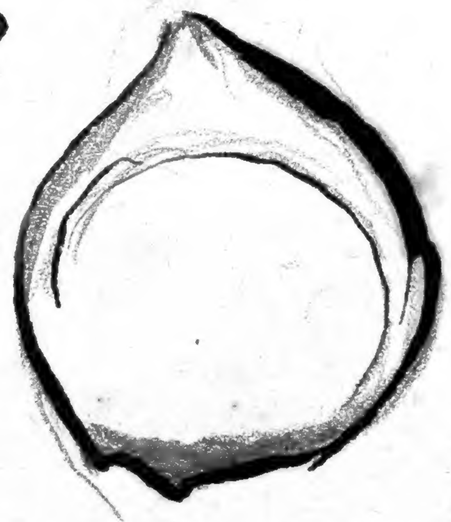
Dr Engle

see me at
8 o'c. this eve
when it he

MO
copyright reserved
0 1 2 3 4 5 6 7 8 9 10
cm







4

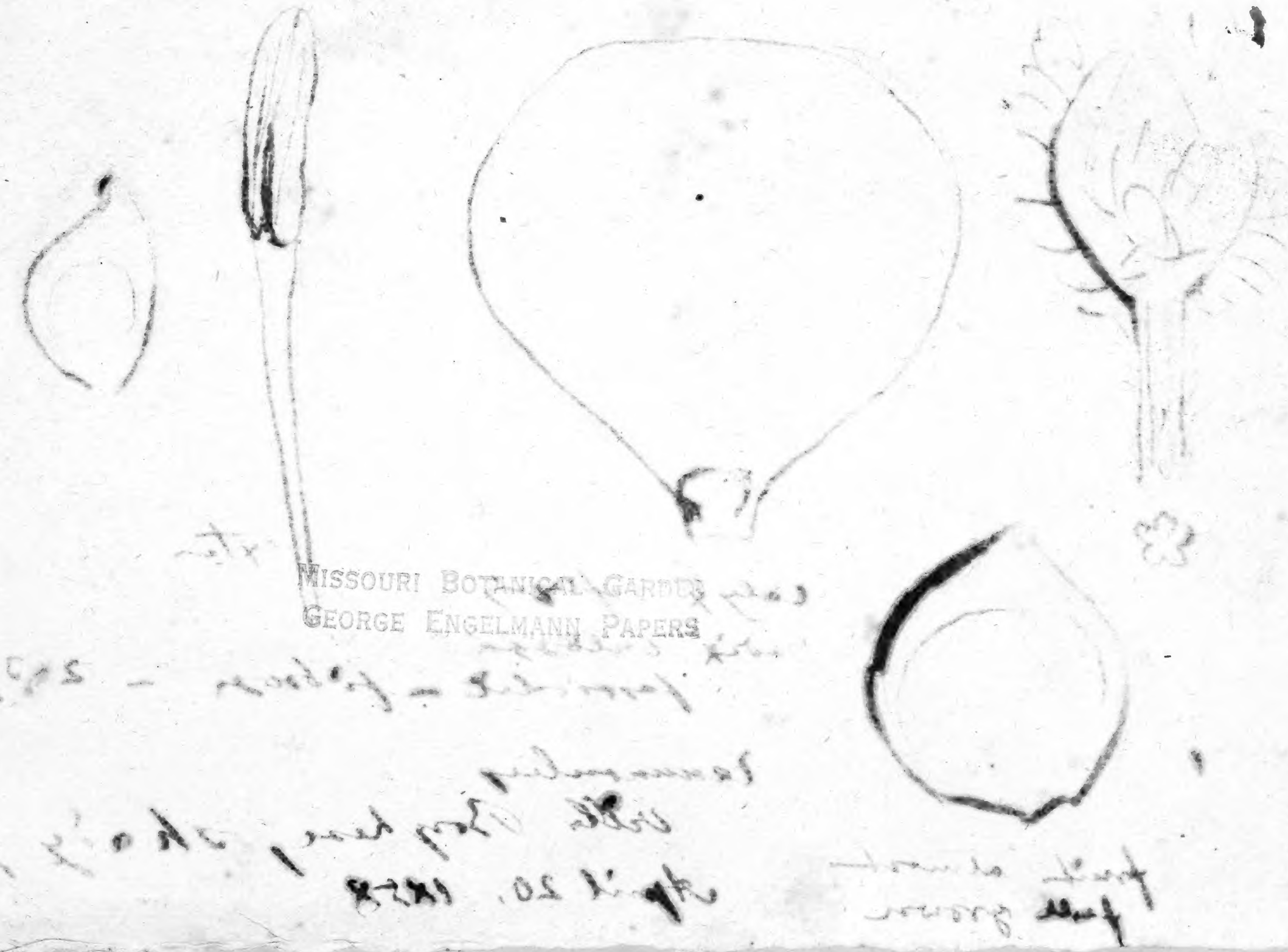
exter

Calyx reflexing
radix bulbosa
fasciculata – fibrosa – 2-3 pedal

Ranunculus
Villa Borghese, shady grove
April 20. 1858

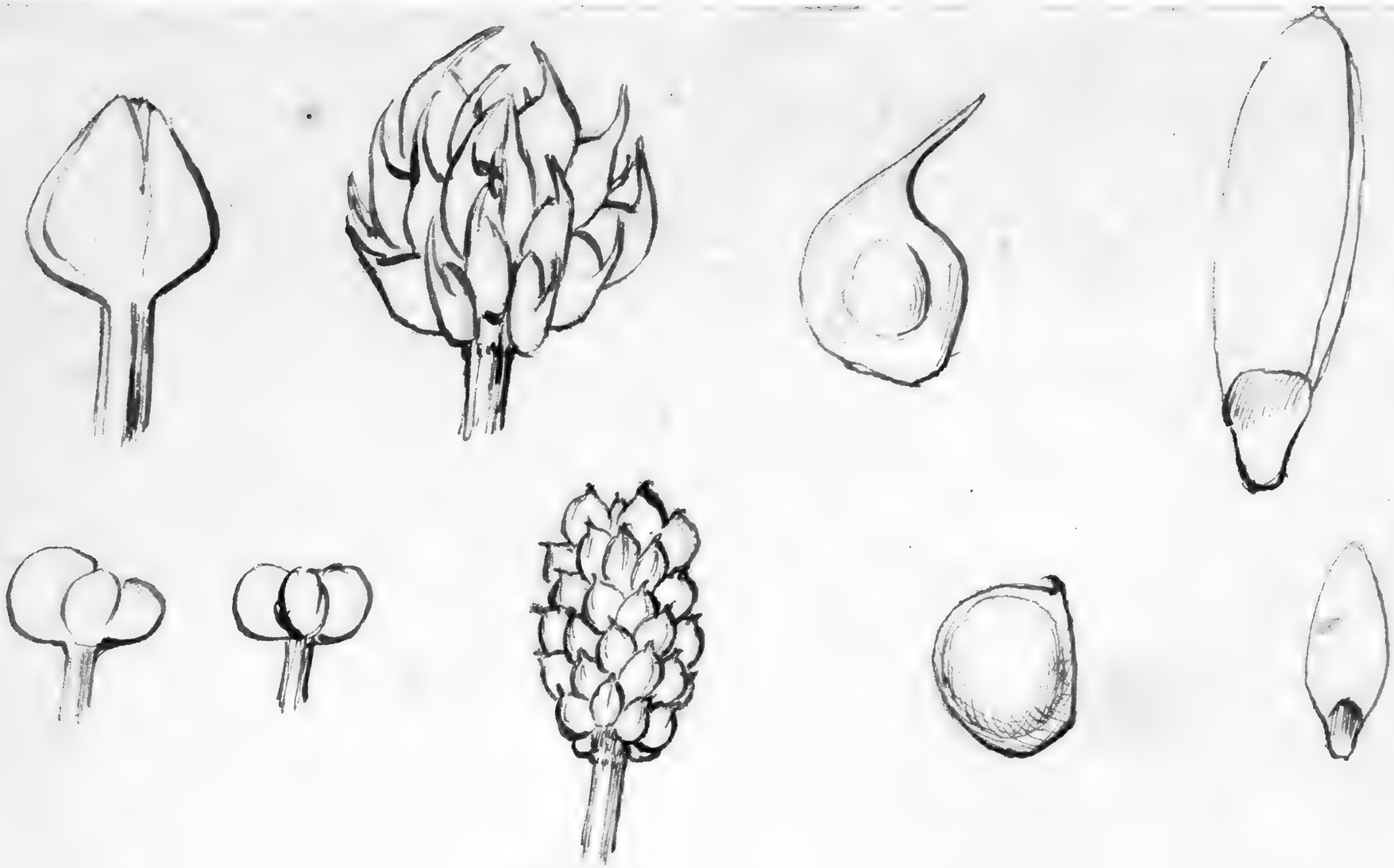
fruit almost
full grown

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO



MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO



Ranunculus fascicularis
Muhl.

St Louis April 1841

Ran. abortivus L

St Louis Mai 1841

5

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

Thelesperma divisum L. Sepalis ovatis obtusis 5–7 apice subclavatis nervosis, filamentis elongatis antheris linearibus cuspidatis, plus quam duplo longioribus ovariis sharter than the elongated, filiforme villosus stigma, sessil.

Ohio

Th. Missouri; sepalis lanceolatis acutis 3 nervis, filamentis apice clavatis antheris linearibus mucronulatis longioribus ovariis sessilibus striatis, stigmate elongato dimidio brevioribus — (fl. purpurei)

Th. Missouri, Texas; sepalis lanceolato ovatis, acutis nulis. 3–5 nervis, filamentis apice clavatis, antheris linearibus cuspidatis longioribus, ovariis striatis stigmate elongato paulo brevioribus (fl. viridis.)

6

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

GEORGE LINGELBACH LIBRARY

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

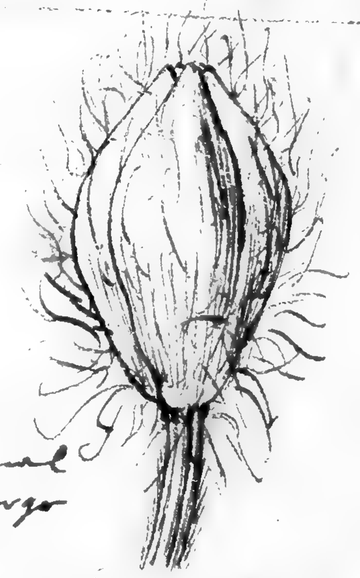
No. 2.

Ranunculorum alabastra, carpia et syncarpia

R. hydrocharis Loh

R. Aconitifolius

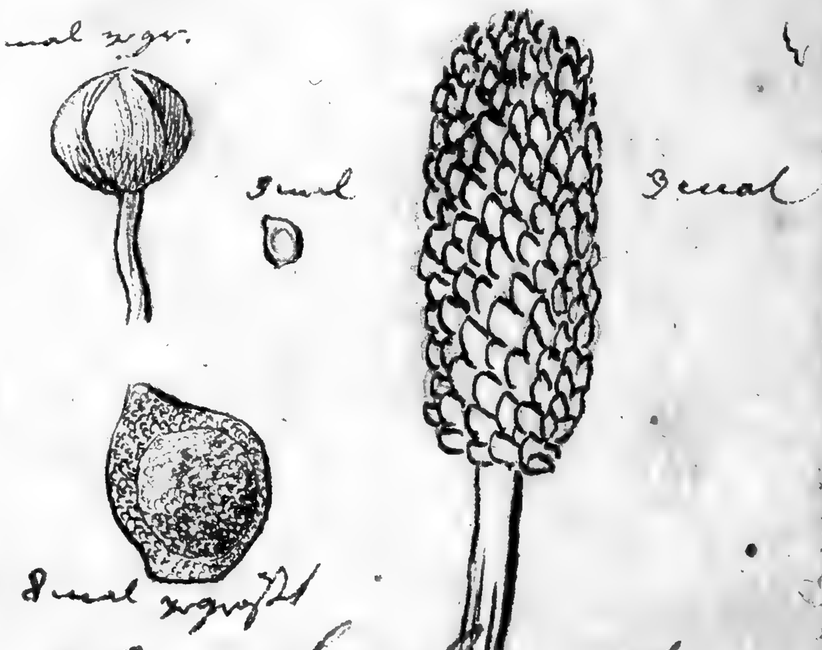
R. ficaria



R. Lingua

R. flammula

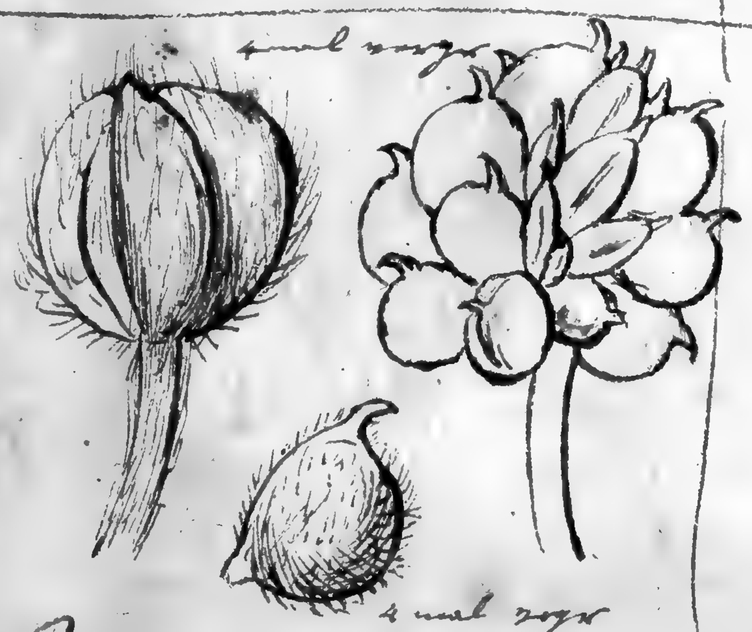
R. bulbosus



R. Philonotis

R. arvensis

R. scleratus

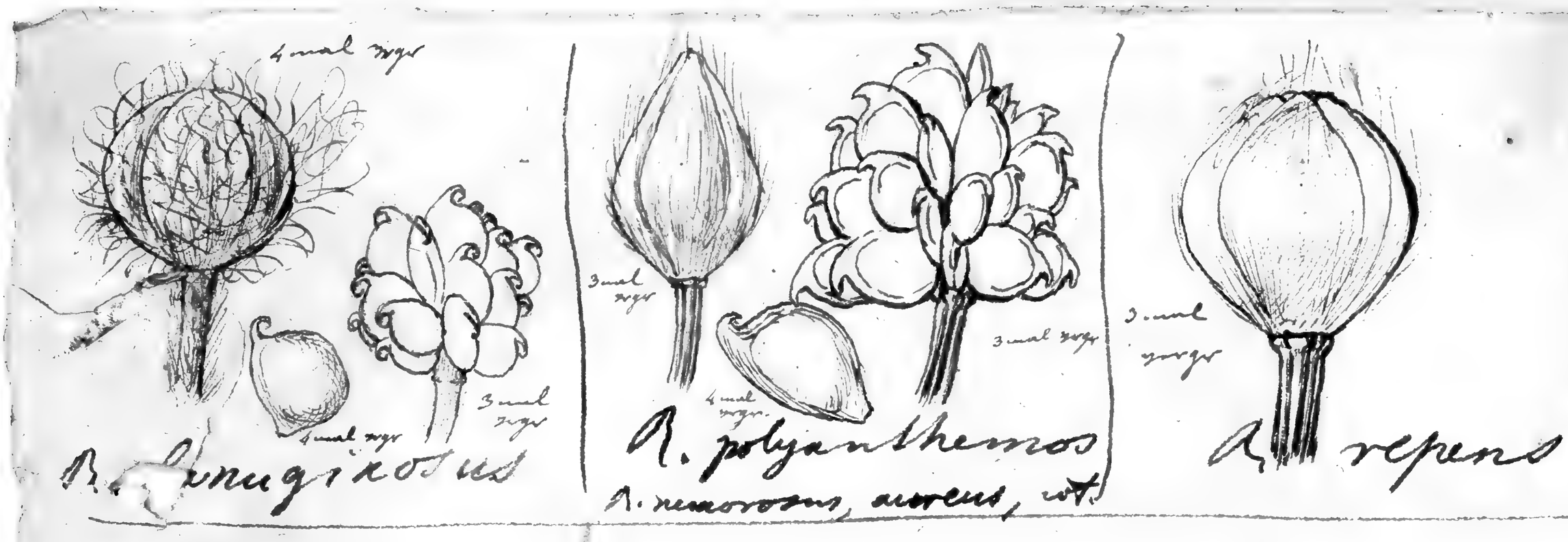


R. vernus Loh.
auricom et cattabria

R. Jacquinii Loh.
R. nivalis Jacq. montan. villarsii

R. acris

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO



MISSOURI BOTANICAL
GEORGE ARENDES

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

Selection of species. Rocky Mts, west Texas & Eastern Coast
No localities — Berberis Celtis
no species and often no genus but a species mentioned Nitrabia, Celastrus
Lepidium

Latin! genus etc.
plants 30 years ago e.g. Rhamnus Texensis — Film 20 or 25 years
Colubrina
Lupin vulgaris but not Texensis
Ceanothus microphyllus but not American — and that often well known
Texas pl. left out, etc
trifoliate
Berberis trifoliata, Vitis monticola Acanthera Cirrifolia
Ulmus

Ochrocarpus viridescens! California only!

Cirsium genus strange and even name left out
Echium vulgare!!
Phlox Drummondii common in gardens [only!!]
common tropical plants

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

Missouri Botanical Garden
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO

Febr. 1850.

Clematis

floribus singulis — foliolis breviter petiolatis

1. C. Viorna Stbonis — Petiolis pedunculique puberulis; pedunculis versus basin 2 foliatis; sepalis coriaceis extus pubescentibus ovato-lanceolatis, acuminatis, staminibus apice barbatis ~~stylisque~~ paulo superantibus; capillis puberulis, stylo basi ~~ca~~ canescente-pubescente superne nudo, filiformi, capillo bis longiore. Stam = No. 4

2. C. cylindrica — N. Carolina & Texas — Petiolis pedunculisque glabris; foliolis (plerumque) breviter petiolatis; pedunculis terminalibus ebracteatis; sepalis lineari lanceolatis acutis acuminatis recurvis; staminibus apice pubescentibus plus quam duplo superantibus; capillis? ~~Filament. villos.~~ ~~Anther~~ puberul apice breviter apiculate — no capills seen but ~~stiple~~ stiffly plumose only

3. C. reticulata — Texas — foliolis longius petiolatis, pedunculis ad basin 2 bracteolatis s. (in spec. majoribus) versus basin 2 foliatis; sepalis lanceolatis acuminatis austatis, recurvatis, staminibus apice barbatis ~~& stylis ~~ ~~duplo~~ s. dimidio s. 2/3 longioribus; stylis villosis; capillis parce pubescentibus, stylis villosis, apice magis quam ad basin! capillo vix duplo longioribus (stylo plumosa, apice pilosa parce) (filamentis superne barbatis, antheris elongatis pilosis, apiculo elongato barbato

4. Cl. — Industry Linth. „medicinda"
foliolis longius petiolatis; pedunculis ad basin 2 bracteolatis s. 2 foliatis; sepalis ovatis contiis mucronatis, staminibus apice barbatis paulo superantibus; capillis puberulis, stylo basi pubescente superne nudo, filiformi, capillo ter longiore
near C. Viorna, ~~but~~ petiolus ~~leaves~~ longer, bracts at base of peduncles, sepals broader, shorter etc. — Filamenta villosa, anthera pubescentes, apiculo barbato, ~~longiore~~ brevioribus

5. Cl. — N. Orleans „Pitcher"
foliolis longe petiolatis, pedunculis medio 2 foliatis (foliis saepe subsimilibus conditis) sepalis ovato acuminatis, recurvatis, staminibus medio vix longioribus; capillis pubescentibus, ~~stylis~~ stylis villis sericeis fulvis ~~villosis~~ sericeis capillo multoties (6–8) superantibus. — ~~Stamina~~ filamentis superne nudis, superne pubendis, antheris et apiculo elongato nud.

6. Cl. — N. Orleans „reticulata"
foliolis longius petiolatis; pedunculis versus basin bifoliatis; sepalis ovato-lanceolatis, abrupte acuminatis subaustatis, extus villosissimis tomentosis (more than any other of the above species — but all have it somewhat). — subcrenatis, staminibus apice elongato villosis paulo superante; capillis?

Filamenta basi nuda, antheris brevi pubescens; apiculo villoso elongato, antheris subaequans.

0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved MO

7. Cl. Arkansas 1835

petiolulis elongatis; pedunculis sub medium bifoliatis; sepalis ovato-lanceolatis, acuminato aristatis, apice recurvis, staminum barbato vix superantibus: capsellis ——

Stam. filamentis basi nudis, superne villosis, antheris pilosis; apiculo elongato barbato-villoso

8. Cl. Lano 1847 foliis subbipinnatifidis

foliolis breviter pluriculatis plerumque divisis s. pinnatifidis; pedunculis basi 2 bracteatis; sepalis lanceolatis tenuiter attenuato acuminatis, recurvis staminum apice pilosis sed duplo (s. triplo) longiore superante — capsellis pubescentibus, stylis basi pubescentibus, apice nudis. (capsellis vix duplo superantibus) filamentis supernè pilosissimis, antheris et apiculo longe parce pilosis

Near Viorna, but distinguished by the small divided leaflets, the narrower, gradually acuminate, longer sepals and the less barbate filaments

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

I distinguish after this examination

I. Stylo supernè nudis, caudaque capelli

1. Cl. Viorna (1 supra)
2. Cl. micrantha (4 supra) perhaps only a variety of 1
3. Cl. microphylla (8 supra) " " " " "

II. Stylo caudaque capelli plus minus plumosis

4. Cl. seticulata (3 & 7 supra)
5. Cl. occidentalis s. Lindheimeri (5 supra)
6. Cl. villiflora (6 supra
7. Cl. cylindrica (2 supra

N.B. our plant, Cl. Viorna, can not be the true form, as that is described as having "very plumose tails"

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MO