



Harvard Coöperative Society.

ANNOTATION LABEL

BOTANICAL MUSEUM OF HARVARD UNIVERSITY

notes of Drs. B.L. Robinson + J.M. Greenman
on Lewis + Clark's plants (Miss Day's
hand writing? @ Dr. L. Perry) 1898 ("The Plants of...")
see Meehan, Thomas, 1898: 12-49
Proc. Acad. Nat. Sci. Phila.
Robert Bye 1 Sept. 1971

A few days later

East of point

275





Present name of plant, followed by
data on accompanying labels.

Bracketed notes added during identification.

Treatment of plant in Pursh's Flora,³
whenever specifically mentioned.

Bracketed notes added during identification.

Anemone Canadensis, L.

(*A. Pennsylvanica*, L.) Prairies;
in the camp near the old Maha
village. Aug. 17. 1804.

Anemone quinquefolia, L.

On the waters of the Hooskooske,
June 15, 1806. [Flowering stem
with involucre.]

Clematis Douglasii, Hook.

[No label, a single flower
but well identifiable.]

[With scarcely a doubt *C.*

hirsutissima, Pursh, Fl. 385, being
the only species ascribed to Lewis'
Herbarium.] On the plains of
the Columbia river. 4. May. v. s.
in Herb. Lewis.

Delphinium Menziesii, DC.

On the Columbia, April 14. 1806.

A sort of Larkspur with 3
styles. [Poor specimen.]

Dentaria tenella, Pursh. Pursh, Fl. 439. On the banks
Columbia near Quicksands of the Columbia. 4. Apr. v. s.
April 1, 1806. [Complete very in Herb. Lewis].
slender plant.]

Erysimum asperum, DC. *E. lanceolatum*, Pursh, Fl. 436.
On the Kooskooskee, June 1, 1806. (not R. Br.) On the banks
[Whole plant, in flower.] of the Missouri. ♂. June. v. s.

Cleome integrifolia, Torr. & Gray. *C. serrulata*, Pursh, Fl. 441.
Cleome serrulata, var. *roseus*, (On the banks of the
nova species. Specimen from Missouri. ♂. Aug. v. s.
White River, August 29, 1806. in Herb. Lewis.
Cleome - A new species. [Leaves are slightly serrulate
[Poor specimen.] and name should stand.]

C. integrifolia, Torr. & Gray.
No. 43. August 25. growth of the
open Prairies. Open prairies
Aug. 25, 1804.

Cerastium arvense, L.
Plains of Columbia, Apr. 22,
1806. [Good specimen.]

Malvastrum coccineum, Gray.
A malvaceous small plant
probably a species of Malope.
Plains of Missouri July 20,
1806. [Good specimen.]

C. serrulata, Pursh, Fl. 441.
On the banks of the Missouri.
O. Aug. v. s. in Herb. Lewis.
[Pursh says of it glabra which
is certainly true of the stem
and it may therefore be safely
separated from the very pubes-
cent plant *Polanisia Trachy-*
sperma, T. & G. (?) with which
the specimen is mixed.]

C. elongatum, Pursh, Fl. 321.
On the plains of Columbia
River. M. Lewis. 7. April. v. s.
in Herb. Lewis.

Cristaria coccinea, Pursh,
Fl. 453. On dry prairies and
extensive plains of Missouri.
7. Aug. v. v.; v. s. in Herb.
Lewis.

Linum Lewisii, Pursh. Pursh, Fl. 210 In the
Perennial flax. Valleys of valleys of the Rocky-moun-
the Rocky mountains, July tain and on the banks of
9, 1806. [Excellent specimen.] the Missouri. M. Lewis.
4. July. v.v.

Claytonia lanceolata, Pursh. Pursh, Fl. 175, t. 3. On
Headwaters of the Kooskoos- the Rocky-mountain.
kee, June 27, 1806. M. Lewis. 4. July. v.s.
[Good specimen.] in Herb. Lewis.

Lewisia triphylla, Rob.
On the waters of the Koos-
kooskee within the Rocky
mountains. June 27. 1806.
(*Claytonia triphylla*, Wats.)
[Extends range to Idaho.]

Lewisia rediviva, Pursh. The
Indians eat the root of this. near
Clark's R. July 1, 1806. The calyx
consists of 6 or 7 leaves the corolla
many petals and stamens many
..... capsule. [Several flowers only.]

Montia parviflora, Howell, form.
On the Columbia, in moist
ground, March 26, 1806. [A very
poor and indefinite specimen.]

Montia parviflora, Howell.
Rocky camp. Apr. 17, 1806.
[Good specimen.]

Montia sibirica, Howell.
Columbia R. Apr. 8, 1806 -
[Fair specimen.]

Pursh, Fl. 368. On the banks of
Clark's river. 7. July. v.s. in
Herb. Lewis.

Claytonia perfoliata, Pursh (not
Don), Fl. 176. On the Rocky-moun-
tains. M. Lewis. O. Apr. May.
v.v. in Herb.

Claytonia alsinoides, Pursh,
Fl. 175. On the Columbia river.
M. Lewis. O. May, June. v.v. in
Herb.

Pachystima Myrsinites, Raf.
Rocky mountains. June 16. 1806

Ilex? *myrsinites*, Pursh, Fl. 117
On the Rocky mountains
and near the Pacific Ocean.
M. Lewis. ♀. July, Aug. v. s.
in Herb. Lewis.

Pachystima Myrsinites, Raf.
A small shrub about 4 feet high
with a small deep purple berry,
evergreen. Near the Pacific
Ocean. Nov. 16, 1805. [Second
specimen.]

Pursh, Fl. l. c.

Ceanothus velutinus, Dougl.
An evergreen, A shrub about 8
or 9 f. high. On the Rocky
mountains. Waters of the Koo-
koo-kee. [Probably not the
C. sanguineus, Pursh, although
that species collected by Lewis
does not appear in collection.]

17
Rhamnus Purshiana, DC.

A shrub apparently a species of *Rhamnus*. About 12 feet high in clumps. fruit a 5-valved purple berry which the natives eat and esteem highly. The berry depressed globous. On the waters of the Kooskooskee. May 29, 1806.

Rhus Canadensis, var. *trilobata*, Gray.

No. 57. Oct. 1, 1804. first discovered in the neighbourhood of the Kaneg river - now very common. the growth of the little cops which appear on the steep declivities of the hills where they are sheltered from the ravages of fire. Common on the declivity of hills. Oct. 1, 1804.

R. alnifolia, Pursh (not Michx.)

Fl. 166. On the banks of the Kooskoosky, M. Lewis. 7. May. v. s. in Herb. Lewis.

Cissus Ampelopsis, Pers.
near Counsel Bluffs, Missouri,
Sept. 14. 1806. [Leaves, stem,
peduncles, and pedicels. - Lewis'
specimen not mentioned by
Pursh, who gives range of species
as Alleghany Mts., Pennsylvania,
to Carolina.]

Acer circinatum, Pursh.
A very handsome species of
maple. On the great rapids of
Columbia. Oct. 1805. [Sterile
but highly characteristic and
unmistakable.]

Acer macrophyllum, Pursh.
A large timber tree from the
grand rapids of the Columbia.
Apr. 10. 1806. [A single leaf
but readily recognizable.]

Pursh, Fl. 267. On the great
rapids of Columbia river.
M. Lewis. ♀. v. s. s. fl.

Pursh, Fl. 267. On the great
rapids of the Columbia river
M. Lewis. ♀. Apr. v. s.

Polygala alba, Nutt.

A kind of Seneca snake-root.
On the Missouri R. Aug. 10. 1806.
[Fairly complete specimen.]

Amorpha fruticosa, var. γ
angustifolia, Pursh. On the
great bend of the Missouri, Aug. 27.
1806. [Good specimen in fruit.]

Astragalus Missouriensis, Nutt.
No. 36. 18th Sept. the growth of
the high Prairies.

Astragalus mortoni, Nutt.
No. 46. The growth of the open
prairies taken 15th of Sept. 1804.
Astragalus. Nov. spec. Open
prairies, Sept. 5. 1804. May
be *A. nralensis*? L.

11
Polygala Seneca, var. *tennifolia*
Pursh, Fl. 750. On the Missouri,
Lewis and Bradbury, v. s.

Pursh, Fl. 466, var. γ . v. s. in
Herb. Lewis.

123
* *Lupinus argenteus*, Pursh. Pursh, Fl. 468. On the banks
On the Cokahlaishkit, July 7, of the Kooskoosky. M. Lewis. 4.
1806. Flowers yellowish-white. June, July. v.s. in Herb. Lambert.
[Good specimen.] Flowers small cream-colored.

* *Lupinus sericeus*, Pursh. Pursh, Fl. 468. On the banks
New species. Flowers cream-colored of the Kooskoosky. M. Lewis. 4.
with a small tinge of blue. July. v.s. in Herb. Lewis,
On the Kooskooskee, June 5, 1806. Flowers purple, or rose-colored.
[Tolerable specimen.]

* The labels of these two specimens
were confused.

Oxytropis mana, Nutt. var. *O. argentata*, Pursh, Fl. 473,
Near the head of Clark's River. On the banks of Clark's river.
July, 1806. [Differs from type M. Lewis. 4. July. v.s. in Herb.
in having calyx teeth longer; Lewis.
also plant larger, leaflets longer.]

Petalostemon violaceus, Michx. Pursh, Fl. 461. In Tennessee,
On the Missouri - July 22, 1806. Illinois, and on the banks of
[Stem, leaves, & spike of flowers.] the Missouri. 4. July - Sept. v.v.

Petalostemon violaceus, Michx.
 Found Sept. 2nd, the Indians use
 it as an application to fresh
 wounds, they bruise the leaves
 adding a little water and apply
 it. [Sterile specimen only and
 accordingly doubtful.]

Pursh, Fl. l.c.

Psoralea argophylla, Pursh.
 no. 48. no. 103. Oct. 17. 1804. A
 decoction of the plant used by
 the Indians to wash their wounds.
 [Sterile but characteristic specimen.]

Pursh, Fl. 475. On the banks
 of the Missouri. H. v.s.

Psoralea tenuiflora, Pursh.
 Big bend of Missouri. Sept. 21,
 1804. [Stem and leaves.]

Pursh, Fl. 475. On the banks
 of the Missouri. M. Lewis. H.
 Sept. v.s. in Herb. Lewis.

Trifolium megacephalum, Nutt.
 A species of clover near Rockford
 Camp on high hills. Apr. 17. 1806.
 [Specimen consists of a head on
 peduncle and several detached
 leaves.]

Lupinaster macrocephalus, Pursh,
 Fl. 479, t. 23. At the head waters
 of the Missouri. M. Lewis. H.
 April, May. v.s. in Herb. Lewis.

Trifolium microcephalum, Pursh. Pursh, Fl. 478. On the banks
Valley of Clark's R. July 1, 1806. of Clark's river. M. Lewis.
[Good specimen, corresponds 4. July. v.s. in Herb. Lewis,
well with later plants placed
in species.]

Amelanchier alnifolia, Nutt. *Pyrus sanguinea*, Pursh, Fl. 340,
Service berry. A small bush, in part. In Canada and on
the narrows of Columbia River. the banks of the Columbia.
Apr. 15. 1806. 5. Apr. May. v. v.

Crataegus Douglasii, Lindl. *C. glandulosus*, Pursh, Fl. 337,
Deep purple Hawth. Columbia in part, not Willd. M. Lewis.
R. Apr. 29. 1806. Esq. collected it on the Rocky mountains

Geum triflorum, Pursh. *Geum ciliatum*, Pursh, Fl. 352.
On open ground common On the banks of the Kooskoosky.
on the waters of the Kooskoos- 4. June, v.s. in Herb. Lewis.
kee, June 12, 1806. No. 2.

Pirus sambucifolia, Cham. & Schlecht.?
On the tops of the highest peaks & mountains
June 27. 1806. In the Rocky mountains. [Specimen
very poor, sterile not precisely determinable.]

Potentilla anserina, L.

The roots are eat- by the natives & taste like sweet potatoes, grows in marshy ground, Fort Clatsop, March 13, 1806.

Potentilla fruticosa, L.

Prairie of the Knobs, July 5. 1806. [Small but characteristic specimen.]

Pursh, Fl. 355. On the banks of rivers in Canada and on the waters of the Rocky-mountains, June-Aug. Lewis. v. v. in Hort. v. s. in Herb. Lewis.

Prunus demissa, Nutt.

Prunus, a cherry found near the beaver bents on the Missouri Aug. 10. 1806. [Specimen poor and sterile.]

Prunus Virginiana, L.

Prunus. Choak or Pidgeon cherry. On the waters of the Kooskoosky. 29 May, 1806. [Specimen poor and sterile.]

Prunus? Near the base of the Rocky mount on the west side near Collins's creek. The shrub about 6 or 7 feet high, June 27, 1806. [Unrecognizable.]

Prunus? A shrub about 6 feet high from the Kooskooskee, May 7, 1806. [Unrecognizable, dark purple stem, elliptic serrulate leaves.]

Prunus .sp. a smaller shrub than the chokeberry, the natives count it a good fruit. On the Kooskooskee. 29, May, 1806. [Too poor for identification.]

Purshia tridentata, DC.

A shrub common to the open prairie of the Knobs, July 6, 1806. [Good specimen.]

Figarea tridentata, Pursh, Fl. 333, t. 15. In the prairies of the Rocky-mountains and on the Columbia river, T. July. v. s. in Herb. Lewis.

Rosa Woodsii, Lindl.

No. 50. Oct. 18. The small rose
of the prairies - it rises from 12 to 14
Inches high - does not vine. Rosa
Open prairies, Sept. 5. 1804.

Rubus Nutkana, var. velutina,
Brew. A shrub of which the
natives eat the young sprout without
boiling. On the Columbia. Apr. 15, 1806.

Rubus spectabilis, Pursh.

Fruit like a raspberry, Columbia
March 27, 1806. [A fairly good
specimen showing stem, leaves
and flowers.]

Pursh, Fl. 348, t. 16. On the banks
of the Columbia, M. Lewis. On
the north west coast, Menzies. Fr.
Apr. May. v. s. in Herb. Lewis,
nec non Banks.

Spiraea discolor, Pursh.

A shrub growing much in the
manner of nine bark. On the
waters of the Kooskooskee, May
29, 1806.

Pursh, Flora, 342. On the
banks of the Kooskoosky. Fr.
June, July. v. s. in Herb. Lewis.

Philadelphus Lewisii, Pursh?
A shrub from the Kooskoosky,
May 6, 1806. An *Philadelphus*?
[Sterile and too poor for certain
identification.]

Pursh, Fl. 329.

Philadelphus Lewisii, Pursh.
On the waters of Clark's R.
July 4, 1806. [Fairly good
flowering specimen.]

Pursh, Fl. 329. On the waters
of Clark's river. 5. July.
v.s. in Herb. Lewis.

Ribes aureum, Pursh.
Yellow flowering Currant. Near
the narrows of the Columbia R.
Apr. 16, 1806. [Very poor specimen.]

Pursh, Fl. 164. On the banks of
the rivers Missouri and Columbia.
M. Lewis. 5. Apr. v.s. in Herb.
Lewis. v.v. in Hort.

Ribes aureum, Pursh.
Yellow Currant of the Missouri
July 29, 1805. [The thing but from
date not the type.]

Pursh, Fl. 164.

Ribes Menziesii, Pursh, ?
Deep purple Gooseberry. Colum-
bia R. Apr. 8, 1806.

Fl. 732.

[Pursh does not mention Lewis'
specimen or its range.]

Ribes sanguineum, Pursh.
Columbia, March 27, 1806.

Pursh, Fl. 164. On the Columbia
river. M. Lewis. ♀. March. v. s.
in Herb. Lewis.

Ribes viscosissimum, Pursh.
Fruit indifferent and gummy.
The heights of the Rocky mountains
June 16, 1806.

Pursh, Fl. 163. On the Rocky-
mountains in the interior of
North America. M. Lewis. ♀.
June, v. s. in Herb. Lewis.

Clarkia pulchella, Pursh.
A beautiful herbaceous plant
from the Kooskooskee & Clark's
R. June 1, 1806. [Fair specimen.]

Pursh, Fl. 260. t. 11. On the
Kooskoosky and Clark's rivers.
M. Lewis. ♂. June. v. s.

Oenothera caespitosa, Nutt.
Near the falls of the Missouri.
17 July, 1806. [Good specimen.]

O. scapigera, Pursh, Fl. 263. On the
falls of the Missouri. M. Lewis. ♀.
July, v. s.

O. caespitosa, Pursh, Fl. 735. On
the banks of the Missouri. M. Lewis.
♂. June, July, v. s. specimen
imperfectum in Herb. Lewis.

Oenothera heterantha, Nutt.

In moist-ground on the
Squamash flats. June 14. 1806.

[Good specimen.]

Sedum stenopetalum, Pursh. Pursh, Fl. 324. On rocks on
Valley of Clark's River. July 1, the banks of Clark's river
1806. On the Naked rocks on and Kooskoosky. 4. June,
the Kooskooskee, June 5, 1806. July. v.s. in Herb. Lewis.

Angelica - within the Rocky
mountain in moist places.

June 25, 1806. The flowering
one taken in Sept. 3rd, 1805.

[Label only.]

[Probably a *Peucedanum*,
poor specimen, no fruit.]

A large fusiform root which
the natives prepare by baking
near the Sepulchre Rock. On
the Columbia River. April 14.

1806.

Peucedanum leiocarpum, Nutt.
Supposed to be a *Smyrniium*.

The natives eat the tops and boil
it sometimes with their soup.

On the Columbia. April 15, 1806.

Smyrniium nudicaule, Pursh,
Fl. 196. On the Columbia river. M.
Lewis. 24. Apr. May. v. s. in Herb.
Lewis. The natives eat the tops
of this plant and boil it in their
soups, the same as we do celery.

[Erroneously placed under *Ferula*
and *Peucedanum nudicaule*, Nutt.]

Peucedanum simplex, Nutt. (or
P. triternatum, Pursh.) A root 5
or 6 inches long eaten raw or
boiled by the natives. On the
Koooskooskee. May 6. 1806.

[Leaves only and species very
doubtful. *P. triternatum* is
said to grow on the waters of
the Columbia.]

2 -
Peucedanum utriculatum, Nutt.? A great-horse medicine among the natives. On the Hoos-kooskee, June 10, 1806. grows on rich upland. [Specimen poor and not certainly identifiable.]
Phellandrium aquaticum, Pursh (not L.) Fl. 195. On the waters of the Rocky-mountain, M. Lewis. 24. July. v.s. in Herb. Lewis. The Indians of that country use it as a medicine in the diseases of horses.

An umbelliferous plant of the root of which the Wallowallows make a kind of bread. The natives called it Shappalell. Apr. 29. 1806. [Sterile and not placed - leaves and root.]

[Label only.]

A species of fennel root eaten by the Indians, of an annis-seed taste. Flowers white.

Columbia River. Apr. 25. 1806.

[Unidentifiable.]

An umbelliferous plant with large fusiform root which the natives bake and eat. On the Columbia. Apr. 15, 1806.

[Unidentifiable, stems only.]

An umbelliferous plant of which the natives don't eat the root. On the Columbia. Apr. 14, 1806.

Cornus Canadensis, L.

Root horizontal. June 16, 1806.
Collins Creek.

Lonicera ciliosa, Poir.

On the Kooskooskee, June 5, 1806.

Lonicera ciliosa, Poir.

Rocky mountain, June 16, 1806.

[Poor and sterile but characteristic.]

Caprifolium ciliosum, Pursh,

Fl. 160. On the banks of the Kooskoosky - M. Lewis. 7. June, v. s. in Herb. Lewis.

Caprifolium ciliosum Pursh,

l. c. [but not type specimen.]

Sonchera involucrata, Banks.
 Shrub within the Rocky mountains found in moist ground near branches of rivulets, July 7, 1806. No. 5. found on the waters of the Columbia, Sept. 2, 1805, the growth of a moist situation seldom rises higher than 6 or 8 feet - puts up a number of succulent sprouts forming a thick bush.
 [Stems only.]

Achillea millefolium, L.
 Cap^m on the Kooskooskee, May 20, 1806.

Aphlopappus spinulosus, DC.
 Prairies Sept. 15, 1804.

A. tomentosa, Pursh (not Willd.)
 Fl. 563. On the banks of the Kooskoosky. M. Lewis. 4. June, v. s. in Herb. Lewis.

Amellus spinulosus, Pursh, Fl. 564. In open prairies on the Missouri. M. Lewis. 4. Aug. Sept. v. s. in Herb. Lewis.

Aplopappus sp.
On the Columbia, Oct. 1805.

Artemisia cana, Pursh.
no. 55. Oct. 2. 1804. growth of
the high Bluffs.

Artemisia cana, Pursh.
On the bluffs. Oct. 2. 1804.

Artemisia cana, Pursh.
On the bluffs. Oct. 1. 1804.
no. 60, 1804, Oct. 1. Another variety
of wild sage growth of high and
bottom prairies.

Artemisia dracunculoides, Pursh
no. 52. Sept. 15, 1804, growth of the
open plains. On the bluffs. Sept.
15. 1804. [Good specimen.]

Pursh, Fl. 521. On the Missouri.
M. Lewis. 7. Sept-Nov. v. s. in
Herb. Lewis.

Pursh, Fl. l. c.

Pursh, Fl. l. c.

A. Dracunculus, Pursh (not L.)
Fl. 521. On the Missouri.
M. Lewis. 7. Aug.- Oct. v. s.
in Herb. Lewis.

Artemisia frigida, Willd. Pursh, Fl. 521. On the plains
 No. 41. found on the bluffs the of the Missouri. M. Lewis.
 2nd of Sept. 1804. is the growth 4. Oct. Nov. v.s. in Herb. Lewis.
 of open high situations. On
 the bluffs. Sept. 2. 1804.
 [Good specimen.]

Artemisia frigida, Willd. Pursh, Fl. l.c.
 No. 51. 1804, Oct. 3, radix
 perennial. 3 to 8 stalks as
 high as the specimen - growth
 of the high sides of the Bluffs.

Artemisia longifolia, Nutt. *A. integrifolia*, Pursh (not Willd.)
 Wild sage on the bluffs. Oct. Fl. 520. On the cliffs and dry
 1. 1804. No. 53. Oct. 3. flavor savannahs of the Missouri.
 like the camomile - radix M. Lewis. 4. Oct. v.s. in Herb.
 perennial growth of the Lewis. about three feet high.
 high Bluffs.

Artemisia Ludoviciana, Nutt.?
Artemisia species. Columbia
 R. Apr. 10. 1806. *Artemisia*-
 Rockford Camp.

Aster oblongifolius, Nutt.

Big Bend of the Missouri, Sept.

21, 1804.

Aster Oreganus, Nutt.

On Lewis River. October, 1805.

Balsamorhiza sagittata, Nutt.
Rocky mountains - Dry hills.
July 7. 1806.

Buphthalmum sagittatum, Pursh
Fl. 564. On dry barren hills, in
the Rocky mountains. M. Lewis.
4. June, July. v.s. in Herb.
Lewis. The natives eat the young
stems as they spring up, raw.

Balsamorhiza sagittata, Nutt.
The stem is eaten by the natives
without any preparation. On the
Columbia, April 14, 1806.

Buphthalmum sagittatum,
Pursh, l.c.

[*Bidens*-like composite, too
poor to identify.] On
Lewis River. Oct. 1805.

Bigelovia graveolens, Gray.
A low shrub growing in the
rocky dry hills on the Koos-
kooskee. May 6, 1806.

Bigelovia graveolens, Gray.
No. 54. Oct. 2. grows from 18
Inches to 2 1/2 feet many stalks
from the same root, from which
they issue near the ground - the
radix perennial. The goat
or antelope feed on it in the
winter, it is the growth of
the high bluffs. High Bluffs;
goats feed upon. 18 inches
high. Oct. 2, 1804.

Bigelovia graveolens, var.
albicaulis, Gray.
15 Oct. 1805, on the Columbia
river.

Chrysocoma dracunculoides,
Pursh (not Lam.) Fl. 517. On
high cliffs on the banks of the
Missouri. M. Lewis. 4. Oct.
v.s. in Herb. Lewis.

Chrysocoma nauseosa, Pall.
in herb. Pursh, Fl. 517. On
the banks of the Missouri.
M. Lewis. 4. Oct. v.s. in Herb.
Lewis.

29
Oniscus edulis, Gray.

Carduus - or Thistel - Roots
eatable - Fort Clatsop. March
13, 1806.

Eriophyllum caespitosum, Dougl.
On the uplands on the Koos-
kooskee R. June 6, 1806.

Gaillardia aristata, Pursh.
Rocky mountains. Dry
hills. July 7, 1806.

Grindelia squarrosa, Dunal.
No. 40. Taken on the 17th of August,
1804, at our camp near the old
Maha village & is the growth of the
Prairies. *Anonymous balsamifera*
New genus. Prairies; in the camp
near the old Maha village, Aug.
17, 1804. [Good specimen.]

Actinella lanata, Pursh, Fl.
560. On high lands of the Koos-
koosky. M. Lewis. 4. June,
July, v. s. in Herb. Lewis.

Pursh, Fl. 573. On dry hills on
the Rocky mountains, M. Lewis.
♂. v. s. in Herb. Lewis.

Donia squarrosa, Pursh, Fl. 559.
In open prairies on the banks
of the Missouri. M. Lewis. 4.
Aug. Sept. v. s. in Herb. Lewis;
v. v. cult.

Gutierrezia Euthamiae, Torr.
 & Gray. No. 32. Specimens of aromatic plants on which the Antelope feeds - these were obtained 21st of Sept. 1805, at the upper part of the big bend of the Missouri. Upper part of the big bend of the Missouri, Sept. 21, 1804.

Gutierrezia Euthamiae, Torr. & Gray. No. 59. 1804, 19th September - the growth of high and bear prairies which produce little grass. generally mineral earth. High bear prairies mineral earth with very little grass - Sept. 19, 1804.

Liatris pycnostachya, Michx.
 No. 35. Sept. 15, growth of the prairies. Prairies Sept. 15, 1804.

Solidago Sarothrae, Pursh, Fl. 540. On the plains of the Missouri. M. Lewis. 4. Sept. v.s. in Herb. Lewis.

Solidago Sarothrae, Pursh, Fl. l. c.

Siatis scariosa, Willd.

No. 53. 12th September, growth
of high and dry prairies. High
and dry prairies Sept. 12, 1804.

[Lewis specimen not mentioned
by Pursh.]

Matricaria discoides, DC.

An agreeable smell. On the
Koskookee, June 9, 1806.

Santolina suaveolens, Pursh,
Fl. 520. On the banks of the Kos-
kookee, M. Lewis. C. June, - Aug.
v. v.; v. s. in Herb. Lewis.

Microceris macrochaete, Gray.

Rock camp. April 17, 1806.

Solidago rigida, L.

High dry prairies. Sept. 13, 1804.

[Composite? Poor, sterile and
not-placed - leaves opposite,
much divided into narrow
segments, very pubescent.] One
of the most common plants of
the plains of Columbia. May
27, 1806.

Arctostaphylos Uva-ursi, Spreng. no. 33. An evergreen plant which grows in the open plains usually. the natives smoke its leaves mixed with tobacco called by the French Engagee (?) *Sacacommis*. obtained at Fort Mandon. Fort Mandon - open plains. Evergreen called *Sacacommis*, natives smoke its leaves.

Arbutus Menziesii, Pursh. A middle sized tree with a remarkable smooth bark which scales off in the manner of the Birch; & red berries, in clusters. Columbia R. Nov. 1. 1805.

Gaultheria Shallon, Pursh. The Shallon; supposed to be a species of *Vaccinium* - On the coast of the Pacific Ocean. June 20. 1806.

Arbutus Uva-ursi, Pursh (not Willd.) Fl. 283. On the plains of the Mississippi the Indians smoke the leaves under the name of *Sacacommis*, and consider them of great medicinal value virtue.

Pursh, Fl. 282. [but does not mention Lewis' specimen.]

Pursh, Fl. 283. On the falls of Columbia and near the western Ocean. M. Lewis. 5. May, June. v.s. in Herb. Lewis nec non Banks.

Vaccinium myrtillus, L.

New species - with a purple small
berry eatable - an evergreen. Fort-
Clatsop - June 20, 1806.

Vaccinium ovatum, Pursh.

Ashrub of 7 or 8 feet high, sup-
posed to be a species of *Vaccinium*.
the berries are eaten by the natives.
On the Pacific Ocean - Fort Clatsop.
June, 27, 1806.

Pursh, Fl. 290. On the

Columbia river. M. Lewis.

5. May.

Dodecatheon meadia, L.

Near the narrows of the Colum-
bia R. Apr. 16, 1806.

Frasera thyrsiflora, Hook.

In moist wet places - On
the Squamash flats. June 14,
1806. [Leaf only.]

Swertia fastigiata, Pursh, Fl.

101. On the Missouri flats,

near the Rocky mountains.

M. Lewis. 4. July. v.s. in Herb. Lewis.

Collomia linearis, Nutt.

Rockford Camp. Apr. 17, 1806.

Gilia aggregata, Spreng.

On hungry creek, June 26, 1806.

[Flowering stem.]

Polemonium caeruleum, L.

Head waters of the Kooskoosky.

June 27, 1806.

Phacelia circinata, Jacq.

Root-fibrous, plant from 3-4 feet high; dry situation. On the Kooskooskee. June 9, 1806.

[Poor specimen.]

Phacelia menziesii, Torr.!

Rocky camp. Apr. 17, 1806.

Gamnia aggregata

Pursh, Fl. 147. On the banks of the Mississippi. M. Lewis.

♂. June. v.s. in Herb. Lewis.

Phacelia heterophylla, Pursh, Fl.

140. On dry hills on the banks of the Kooskoosky. M. Lewis.

♂. June, July. v.s. in Herb. Lewis.

Hydrophyllum lineare, Pursh, Fl. 134. On the banks of the Missouri. M. Lewis. 4. April. v.s. in Herb. Lewis. [Specimen in Herb. Philad. Acad. showing flowers and leaves, root annual, not perennial.]

Plagiobothrys tenellus, Gray.
Rocky Camp. Apr. 17. 1806.

Krynitzkia sp.?
Rocky camp. Apr. 17. 1806.

Nicotiana quadrivalvis, Pursh.
No. 45. Specimen of the Ricara's
Tobacco taken 12th of Oct. 1804.
12th of Oct. at the Ricara's town.
This is the Tobacco which they
cultivate.

Pursh, Fl. 141. Cultivated and
spontaneous on the Missouri,
principally among the Mandan
and Ricara nations. O July.
v. v.; v. s. in Herb. Lewis nec
non Nuttall. The Tobacco pre-
pared from it is excellent. The
most delicate tobacco is prepared
by the Indians from the dried
flowers.

Collinsia parviflora, Dougl.
Rockford Camp. April 17. 1806.
[From size of corolla apparently
C. parviflora rather than *C. violacea*
as placed by Gray. yet identity
is not certain.]

Anturhinum tenellum, Pursh,
Fl. 421. On the banks of the Mis-
souri. M. Lewis. O. July. v. v.;
v. s. in Herb. Lewis.

Mimulus luteus, L.

On the waters of Clark's River.

July 4, 1806. [Indifferent specimens but showing stem, leaves

& flowers - upper portion of the plant is not glabrous as described by Pursh, l.c. but finely and densely glandular-puberulent.]

Orthocarpus tenuifolius, Benth.

Valley of Clark's R. July 1, 1806.

[A good specimen, showing the root to be distinctly annual, not perennial as described. The color of the flower is not shown.]

Pedicularis Groenlandica, Retz.

On the low plains on the beach of Clark's R. July 6, 1806.

P. uncinata, Willd. [Pursh named this *P. uncinata*, Willd. (Siberian) on his label, but evidently discovered his error before publication as in his Flora he gives *P. Groenlandica*.]

Pursh, Fl. 426. On the banks of Clark's river. M. Lewis.

On the north west coast, Pallas, 4. July, Aug. v. s. in Herb.

Lewis nec non Lambert.

Bartisia tenuifolia, Pursh, Fl.

429. On the banks of Clark's river. M. Lewis. 4. July, v. s. in Herb. Lewis.

Pursh, Fl. 426. In low plains of the Columbia. M. Lewis. 4.

July. v. s. in Herb. Lewis nec non Lambert.

Pedicularis scopulorum, Gray?
On the low plains on the head
of Clark's River. July 6. 1806.

P. elata, Pursh (not Willd.) Fl. 425.
In the low plains, on the waters
of Clark's river. M. Lewis. 4. July.
v.s. in Herb. Lewis. [*P. elata*,
Pursh, not Willd. has been doubt-
fully referred to *P. bracteosa*, Benth.
but it is certainly different. It
has purple flowers as described, but
the calyx is not glabrous but pubes-
cent. In all characters shown it
agrees well with *P. scopulorum*, Gray,
notwithstanding difference in
distribution and altitude.]

Pentstemon diffusus, Dougl.
Camp on the Kooskoosky. May
20. 1806.

Synthyris reniformis, var.
major, Hook. On Hungry
Creek, June 26. 1806. [Does not
well agree with *Veronica reni-*
formis, Pursh (ex char.) Fl. 10,
for that is said to have a creep-
ing stem, opposite leaves and
alternate peduncles, and to have
been collected in boggy soil on
the banks of the Missouri.]

Salvia lanceolata, Willd.
Big bend of Missouri, Sept. 21,
1804. [Good specimen.]

Scutellaria angustifolia, Pursh.
On the Hooskooskee, June 5, 1806.

Oxybaphus myctaginensis, Sweet.
Open plains. Sept. 1. 1804.
[Fairly complete.]

S. trichostemmoides, Pursh, Fl.
19. In open plains of the Missouri
river. M. Lewis. O. v. s. in
Herb. Lewis.

Pursh, Fl. 412. On the river
Hooskoosky. M. Lewis. 4.
June. v. s. in Herb. Lewis.

Allionia ovata, Pursh, Fl. 97.
On the plains of the Missouri, M.
Lewis. O. Aug. v. s. in Herb.
Lewis.

Atriplex canescens, James.
Sept. 21, Big Bend of the
Missouri. Sept. 21. 1804.

Atriplex Nuttallii, Wats.
A half shrub from the high
plains of Missouri, July 20. 1806.

Sarcobatus maculatus, Torr.
A small branchy shrub from
the plains of Missouri, July
20. 1806.

Polygonum bistortoides, Pursh.
Polygonum, near to *Bistorta*. In
moist grounds on quamash flats,
June 12. 1806. [Leaves and
inflorescence.]

3
Calligonum canescens, Pursh,
Fl. 370. In the plains of the
Missouri, near the Big-bend.
7. July, Aug. v.s. in Herb.
Lewis.

Pursh, Fl. 271. In low grounds
on the banks of the Missouri, called
Quamash-flats. M. Lewis. 7.
June, v.s.

Elaeagnus argentea, Pursh. Pursh, Fl. 114. In the extensive
Silver tree of the Missouri, From plains on the banks of the
the prairie of the Knobs. July 6, 1806. Missouri. M. Lewis and T. Nuttall

♂. July. v. s. in Herb. Lewis.

Missouri silver tree.

Shepherdia argentea, Nutt.

N. No. 39. ♀ obtained at the mouth
of the river Quicourre from which place
upwards it is abundant, in the Mis-
souri bottoms it is a pleasant twig to
eat. it has much the flavor of the
cranberry and continues on the bush
through the winter. this is an ever-
green shrub. some plants are sent
down by the barge to the care of Capt.
Stoddard at St. Louis. From the
mouth of the river Quicourre from
there upwards in all the Missouri
bottoms. The berry pleasant acid
like cranberry & hang on all
winter. Evergreen.

Hippophaë argentea, Pursh

Fl. 115. On the banks of the
Missouri. M. Lewis. ♀. v. s.
in Herb. Lewis.

Euphorbia heterophylla, L.

No. 38. 1804. Oct. 4. the growth of
the high Prairies or plains. High
prairies & plains. Oct. 4. 1804.

E. cyathophora, Pursh (not Willd.)

Fl. 605. On the banks of the
Mississippi. ♀. ☉. June, July.

Euphorbia marginata, Pursh.

On the Yellowstone River, July
28, 1806.

Pursh, Fl. 607. On the Yellow-
stone river. M. Lewis. ☉. July,
v.s. in Herb. Lewis.

Maclura aurantiaca, Nutt.

[no label - sterile specimen.]

Betula?

Black Alder of the Pacific Ocean,
grows to a large size. March 26,
1806. [Specimens consist only of
fragmentary sterile catkins.]

Quercus Garryana, Dougl.

A sort of white Oak - Columbia.
March 26, 1806.

Quercus macrocarpa, Michx.
No. 34. The leaf of Oak which is
common to the Prairies. 5 Sept.
1804. Common to the prairies.
Sept. 5, 1804.

Populus monolifera, Ait.
Cotton tree of the Mississippi
& Missouri. Aug. 1806.

Populus trichocarpa, Torr. & Gray.
Cotton tree of the Columbia
River. June, 1806.

Calypso borealis, Salist.
Waters of hungry creek. Rocky
mountain. June 16, 1806.

Iris Missouriensis, Nutt. [so
far as fragmentary specimen
shows.] A pale blue species of
Flag. Prairie of the Knobs. July 5, 1806.

P. angulata, Pursh (not Willd.)
Fl. 619. It is known by the name
of Mississippi Cotton Tree. [Lewis'
specimen not mentioned.]

Pursh, Fl. 593. On the Columbia
river. M. Lewis. 4. May,
June. v. s. in Herb. Lewis.

Iris sibirica, Pursh (not Willd.)
Fl. 30. On the banks of the
Missouri. M. Lewis. 4. July.
v. v. ; v. s. in Herb. Lewis.

Allium sp.? On the waters of the Kooskooskee. Apr. 30. 1806. [Very poor sterile specimen.]

[Perhaps a part of] A. angulosum, Willd. of Pursh Fl. 223. On the banks of the Missouri. M. Lewis and Nuttall. 4. July. v. s. in Herb. Lewis.

Brodiaea Douglasii, Wats. Hyacinth of the Columbia plains. Apr. 20. 1806. [Good specimen] [Watson's synonym. wrong Proc. Am. Acad. XIV. 238, where Pursh's grandiflora is placed under laeta.]

B. grandiflora, Pursh (not Smith) Fl. 223. On the plains of the Columbia and Missouri rivers. M. Lewis. 4. Apr. May. v. v.

Calochortus elegans, Pursh. A small bulb of a pleasant flavour eat by the natives. On the Kooskooskee, May 17, 1806. [Small specimen - 1 leaf and 1 flower. Specimen depauperate in manner of var. nanus, Wood, but petals obtusish and not ciliate.]

Pursh, Fl. 240. On the head waters of the Kooskoosky. M. Lewis. 4. May. v. s. in Herb. Lewis. The roots are eaten by the natives.

Camassia esculenta, Lindl. *Phalangium* Quamaash, Pursh,
near the foot of the Rocky mount- Fl. 226. On the upper part of the
ain on the Quamaash flats. June Missouri, near the Rocky mountains
23. 1806. [Good specimen.] M. Lewis, 7. June, U.S. in Herb. Lewis.

Erythronium grandiflorum, Pursh Pursh, Fl. 231. On the Koos-
Asquamous bulb. On the waters of Koosky. M. Lewis. 7. May,
the Kooskooskee, June 5. 1806. June, U.S.
[In different specimen with one
good flower and a poor leaf.]

Erythronium grandiflorum,
var. *parviflorum*, Wats.
From the plains of the Columbia
near Kooskooskee Riv. May 8, 1806.
The natives reckon the root
unfit for food. [3 flowers and
one leaf-bearing stem. Probably
the Missouri specimen of *E.*
lanceolatum, Pursh, Fl. 230.]

Fritillaria lanceolata, Pursh.
 Specimen of a liliaceous plant
 obtained on Brant Island, 10th
 of Apr. 1806, the root of this plant
 is a squamous bulb, and is eaten
 by the natives. The Clak-clel-
 lar, opposite this island, call
 it Tel-lak-thil-pah.
 [Complete specimen.]

Fritillaria pudica, Spreng.
 Plains of Columbia near the
 Kooskooskee, May 8. 1806. The
 bulb in the shape of a bisquit-
 which the natives eat. [Complete
 specimen corresponding well
 with Pursh's figure.]

Trillium ovatum, Pursh.
 Columbia River near the rapids
 Apr. 10, 1806. [Upper portion
 of plant.]

Pursh, Fl. 230. On the head
 waters of the Missouri and
 Columbia. M. Lewis. 4. July.
 v. s.

Lilium? pudicum, Pursh, Fl.
 228, t. 8. On the head-waters of
 the Missouri. M. Lewis. 4. May.
 v. s. in Herb. Lewis.

Pursh, Fl. 245. On the rapids
 of the Columbia river. M. Lewis.
 4. April. v. s.

Trillium petiolatum, Pursh.
folium. The flowers brown
 with a fruit of brick red. On
 the waters of the Kooskooskee.
 June 15, 1806. [Excellent specimen.]

Veratrum viride, Ait. or *V.*
Californicum, Dur. A plant
 growing in wet places with
 a single stem & leaves clasping
 round one another, no flowers
 observed. On the Kooskooskee.
 June 25, 1806. [Single leaf only.]

Xerophyllum tenax, Nutt.
 The leaves are made use of by
 the natives to make baskets
 and other ornaments. On high
 land, Rocky mountains, June
 15, 1806.

Pursh, Fl. 244. On the waters
 of the Kooskoosky. M. Lewis.
 4. June. v.s.

Helonias tenax, Pursh, Fl.
 243. On high lands near
 the Rocky mountains.
 M. Lewis. 4. June, v.s.

Zygodenus elegans, Pursh.

On the Cokalaishkit R. July 7,
1806.

Pursh, Fl. 241. On the waters of
the Cokahlaishkit river, near
the Rocky mountains. M. Lewis.
4. July. v.s. in Herb. Lewis.

Aira brevifolia, Pursh.

The most common grass through
the plains of Columbia & near
the Kooskooskee R. June 10, 1806.
Poa trivialis, L. var. [Fair specimen.]

Pursh, Fl. 76. In the plains of
the Missouri, M. Lewis, 4. June,
July, v.s. in Herb. Lewis. This
grass is the most common in
those plains.

Hordeum jubatum, L.

Called the golden or silken
Rye. On the white Bear Islands
on the Missouri. July 12, 1806.

Pursh, Fl. 89. On the islands of
the Missouri river. M. Lewis. ♂.
July. v.s. in Herb. Lewis and Lambert.

Hordeum jubatum, L.

Grass common to the open
grounds near Fort Clatsop.
March 13, 1806.

Pursh, Fl. l.c.

Festuca ovina, L. var.
On the plains of Columbia.
June 10. 1806.

On the plains of the Columbia.
June 10, 1806.

Koeleria cristata, Pers.
On the plains of the Columbia &c.
June 10. 1806.

Stipa spartea, Trin.
Valleys of the Missouri on the
Rocky mountain July 8. 1806.

Pizania aquatica, L.
No. 59. 8th Sept. the growth
of moist and very wet praries.

Festuca duriuscula, Pursh,
Fl. 83? [But Lewis' specimen
not mentioned.]

Festuca spicata, Pursh, Fl. 83.
On the waters of the Missouri
and Columbia rivers, June.
v.s. in Herb. Lewis.

Pursh, Fl. 85, On the plains
of the Columbia river. M. Lewis
4. July. v.s. in Herb. Lewis.

Stipa juncea, Pursh (not L.) Fl.
72. On the banks of the Missouri.
M. Lewis. 4. Aug. v.s. in Herb.
Lewis.

49

[Sterile specimen of a coarse grass.
no label.]

Pinus ponderosa, Dougl.

On the Kooskooskee. On river
bottoms in rich land, west of
the mountains, Oct. 1. 1805.

[Leaves only.]

Juniperus communis, L.

No. 47. A species of juniper
common to the bluffs, Oct. 17,
Common to the bluffs, Oct. 17. 1804.

Juniperus communis, L. var.
alpina, Gaud. Dwarf

Juniper - Rocky mountain
July 7, 1806.

Juniperus communis, L. var.
depressa, Pursh, Fl. 646.

[Lewis' specimen not mentioned.]

Juniperus occidentalis, Hook.
No. 58. Found 2nd Oct. 1804. A
species of Cedar found on the
Bluffs the trees of which are
large some of them 6 feet in
the girth. On the bluffs,
some trees 6 feet in girth
Oct. 2. 1804.

Juniperus Sabina, var. β
procumbens, Pursh.

Dwarf cedar never more than
6 inches high, open prairies -
Oct. 16. 1804. [Small sterile
specimen.]

Equisetum arvense, L.

No. 31. growth of the sand bank
near the banks of the river
taken the 10th of Aug. 1804.
Sandbanks of the Missouri
Aug. 10. 1804.

Juniperus sp. celsa, Pursh
(not Marshall von Bieb.) Fl. 647.
On the banks of the waters
of the Rocky mountains. M.
Lewis. ξ . May. v.s. in Herb.
Lewis.

Pursh, Fl. 647. Within
the Rocky mountains. M.
Lewis. ξ . v.s. in Herb. Lewis.
not above 6 inches high.

Aspidium spinulosum, Sw.
Polypodium species. Fort
Clatsop. June 20, 1806.

Lomaria spicant, Desv.
Fort Clatsop. June 20, 1806.

Blechnum boreale, Pursh (not
Willd.) Fl. 669. On the north
west-coast. M. Lewis. 7. Aug.
v. s. in Herb. Lewis.

Hypnum.
A species of moss from Fort
Clatsop. June 20, 1806.

A moss used by the natives as
a yellow dye grows on the
Pines of the Rocky mountains.
July 1, 1806.

Egria Mengiesii (Turn.) Aresch.
 (*Phyllospora Mengiesii*.)
 Fucus - From the mouth of
 the Columbia River on the
 Pacific Ocean. Nov. 17, 1805.

[Loose label with *Pirus*
Sambucifolius? but date differ-
 ent.] No. 24. found the 4th day
 of Sept. 1805. a small growth
 only rising to the height of 15
 feet; moist situations it seems
 to prefer - it is a handsome
 growth.

[Label only.]

The root not eaten by the natives
 On the Columbia, April 14, 1806.

[Sterile and unidentified.]

stem lignescent, leaves opposite,
narrow, linear, fasciated in axils]

A shrub about 4 feet high. On
the plains of Columbia, May

7. 1806.









