Watson
N-③

317

FRANCIS & LOUTREL,
STATIONERS,
Steam Job Printers,
AND
BOOK BINDERS,
45 MAIDEN LANE, N. Y.

Water N-3

U. S. G. E. 40th Parallel.

Botanical Catalogues & Notes.-
Serrano Watson.

For copy - amia on the other side of the page.

Catalogue of Specimens.

No. of Sheet.	No. of Specimens.	
1	10	Potamogeton (primus)
2	10	Chara (?)
3	6	Potamogeton (secundus) (?)
4	10 10	Cyperus inflexus.
5	9	Milium (primum) (?)
6	6 2	Panicum (primum)
7	6 8	Alopecurus (primus)
8	13	Eragrostis (prima.)
9	11 6 1	Muhlenbergia (prima.) (?)
10	11	Herpestis (prima.) ?
11	10	Herpestis (secunda.) ?

Notes.

July 23/- In the stagnant alkaline water of a ditch in the Truckee river bottom, near Camp 11.- Not yet in bloom. Probably the same as (95).

July 23/- With the last, growing in dense bunches.

July 23/- With the preceding two. Scarcely in bloom.

July 24/- Sandy bank of the Truckee. Camp 12.- young.
Aug. 15. 67 Same locality. Tube mature.

July 24/- Sandy bank of the Truckee. Camp 12.- Glumes nearly equal, hairy, half the length of the palea.

July 24/- Sandy bank of the Truckee. Camp 12.
Aug. 15. 67 Same locality.

July 24/- Sandy bank of the Truckee. Camp 12.-
Aug. 15. 67 - Same locality.

July 24/- Sandy bank of the Truckee. Camp 12.-

July 24/- Sandy bank of the Truckee.- Camp 12.-
Aug. 15. 67 Same locality.
Sept. 1. 67 Same locality.

July 24/- Sandy bottom of the Truckee.- Camp 12.- The upper divisions of the calyx somewhat larger than the 2 lower. Upper lip of corol 2-lobed, the lower 3-lobed. Stamens all fertile. Style dilated & lobed at apex. Yellow, with 2 purple dots on middle lobe of lower lip. Throat of corol hairy & whole plant villous hairy. Leaves elongate cordate, acute, obscurely & rarely serrate. 2-10.

July 26/- Sandy bottom of the Truckee. Camp 12.- Calyx nearly equally toothed, 5-ribbed. Corolla tube twice the length of calyx, border equally lobed. No pubescent ridges on lip within, sprinkled with reddish dots. Peduncles 1' long. Leaves ovate, lower ones cordate, acute, pubescent, serrate. Whole plant villous, much branched.
1/2" - 2". - Yellow.

Select.	Specimen	
12	8	<i>Herpestis (tertia.) (?)</i>
	9	Sept. 10 - Mono Vista Cañon -
	1	Sept. 20 - Same Cañon
13	13	<i>Epilobium (coloratum?)</i>
	2	Sept. 10 th - Mono Vista Cañon
14	11	<i>Veronica (prima.)</i>
15	11	<i>Habenaria (obtusum?)</i>
16	10	<i>Trifolium (primum) variegatum -</i>
17	12	<i>capillaris</i>
18	12	<i>Gnaphalium (primum) humosum</i>
19	4	<i>Mentha (Canadensis?)</i>

Camp 12.-

July 26⁶⁷. - Sandy bottom of the Truckee. - Also on stringy shore of Soda Lake, 6th Aug. - Upper division of the $\frac{1}{2}$ calyx longest. Strongly ribbed. Corolla (1') 2-lipped, deeply lobed, middle upper lobe indented. Throat nearly closed & upper lip hairy within, with rows of reddish dots - yellow. Stem nearly smooth below. Lower leaves cordate & short peduncled, upper ones sessile or perfoliate. Unequally aurate, pubescent. 1'.

Camp 12.-

July 24⁶⁷. - Sandy bottom of Truckee. - also shore of Soda Lake. Agrees with description of *E. coloratum*, except that the leaves are often decurrent in a ridge, making the stem 2-angled - flower white - whole plant often purplish - none but uppermost leaves sharply acuminate. $\frac{1}{2}$ - 2'.

July 26⁶⁷. - Sandy bottom of Truckee; Camp 12. - Annual. Much branched. Leaves opposite - floral ones alternate. Flowers in long terminal racemes. Corolla shrub-shaped. Pet flat, many seeded. Leaves linear-oblong, remotely toothed, floral ones mostly entire. Stem hispid pubescent, leaves smooth. Corolla very small, white.

July 26⁶⁷. - Sandy bottom of Truckee. - Camp 12. - Flowers minute, yellow.

July 26⁶⁷. - Truckee river bottom. Camp 12. - Abundant. Flowers (10-20) shortly pedicelled in round heads - not reflexed when dry. Wings purple, rest pinkish, withering persistent. Smooth, spreading. Pod 2-seeded.

July 26⁶⁷. - Truckee river bottom. Camp 12. - Abundant. Perennial. Stems, from spreading rootstocks, much branched & pubescent - 1'-2'. Flowers nodding, short-peduncled, in heads with leafy cup-shaped involucre, fertile & barren together - staminate, pistillate, or perfect. Pistillate ones only fertile. Without corolla or pappus. Staminate & perfect, with whitish & cleft tubular corolla, 5 distinct stamens, and chaffy scale at base of abortive achenium. Styles 2, linear. Achenium large, round. Leaves alternate, without stipules, entire, oblong-lanceolate or spatulate. Whole plant with short close pubescence - odorous.

July 26⁶⁷. - Truckee river bottom. - Camp 12.

July 26⁶⁷. - Sandy bottom of Truckee. - Camp 12. -

Sheet.	Specimen	
20	9	Castilleja (prima.)
21	10	Tractostema (secundum.)
22	1	Lysimachia (primum.)
23	4	Lepidium (primum.)
24	24	Salix (prima.)
25	5	Salix (secunda.)
26	4	Salix (tertia.)
27	7	Salix (quarta.)
28	1	Asclepias (prima.)
29	10	Todanthus (?) (primum.)
30	6	Mulgedium (primum.)
31	10	Cleome anna

July 26/- Sandy bottom of Truckee.- Camp 12.- Pubescent throughout. Stem usually simple, 1²-3'. Leaves acuminate lanceolate, strongly 3-ribbed, entire. Calyx deeply divided, more so behind. Divisions toothed. Uppermost floral leaves terminally scarlet. Calyx equal to the reddish-green corolla. Lower lip of corolla short +

July 26/- Sandy bottom of Truckee.- Camp 12.-
67

July 26/- Sandy bottom of Truckee.- Camp 12.-
67

July 26/- Sandy bottom of Truckee.- Camp 12.-
67

July 27/- Sandy bottom of Truckee.- Camp 12.- Frequent clausures.- Possibly includes two species.

July 27/- Sandy bottom of Truckee.- Camp 12.-
67

July 27/- Sandy bottom of Truckee.- Camp 12.-
67

July 27/- Sandy bottom of Truckee.- Camp 12.-
67

July 27/- Sandy bottom of Truckee.- Camp 12.-
67

July 27/- Sandy bottom of Truckee.- Camp 12.- Abundant. Also found at Soda Lake, + clausures. Very much branched from bottom upward. Stem sometimes 1' in diameter at base. 3'-7'.

July 27/- Sandy bottom of Truckee. Camp 12.- Abundant. Very leafy. Often branching from base. 2'-4'.

July 27/- Sandy bottom of Truckee.- Camp 12.- Sepals 4; petals 4, with claws, obtuse.
Aug. 4/- From Humboldt Creek, near Reed's Station.
Stamens 6. Flowers in dense head at the extremities of a much lengthening raceme, rarely fertile, with a lance-oblong, acuminate, short petiolated bract at base of the long peduncle. Ped (1'-1½') on a slender stalk (1'), at extremity of (½') peduncle. 2'-5'. Very much branched. Stem naked below, sometimes nearly 1' in diameter. Ovar of whole plant disagreeable.

Sheet	Specimens	
32	8	<i>Myosotis</i> (prima.)
33	1	<i>Echinopsium</i> (primum.)
34	1	<i>Trifolium</i> (secundum.)
35	11	<i>Juncus</i> (primus.)
36	4	<i>Eleocharis palustris</i> (?)
37	5	<i>Eleocharis</i> (secunda.) (?)
38	4	<i>Euphorbia</i> (prima.)
39	1	<i>Stachys</i> (prima.)
40	11	<i>Salix</i> (quinta.)
41	10	<i>Sagittaria</i> (prima.)
42	3 3	<i>Juncus</i> (secundus.) "
43	9	<i>Lythrum</i> (prima.) <i>Hierachia Purshiana</i>

July 27/67. - Sandy bottom of Truckee. - Camp 12. - Hirsute with appressed hairs spreading upon the ^{inflorescence} calyx. Leaves linear-lanceolate. Racemes leafy at base. Corolla small, white. Pedicels erect, less than the equal, lanceolate lobes of the calyx. 3'-6'. - Branched. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. - Flowers white.

July 27/67. - Sandy bottom of Truckee. - Camp 12. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. - Stamens 3. - Also in moist cañon near Giv. Station II., Aug. 17/67. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. -

July 27/67. - Sandy bottom of Truckee. - Camp 12. -
Aug. 18/67. - Fresh water border of Soda Lake.

July 27/67. - Sandy bottom of Truckee. - Camp 12. - Also in Carson river bottom at Reed's station. - Stamens diadelphous. Calyx equally 5-lobed, segments linear-lanceolate. Wings & keel partially coherent & nearly as long as the expanded standard. Pet linear, glab, 5-6 nerved, 2-valved. - Hilum with white hairs. Stem divaricate below & much branched above. (1'-2') leaves pinnately ternate, ovate, mucronate, veiny. Flowers solitary, scattered. Light pink.

Sheet

Specimen

- 44 1 Ambrosia (prima.)
- 45 1 Eriogonum
- 46 1 ~~Eriogonum~~
Euphorbiaceae (prima.) (?)
- 47 4 ~~Eriogonum~~
Euphorbiaceae (secunda.) (?)
- 48 3 Cuscuta (prima.)
- 49 7 Labiata
- 50 12 Urtica?
- 51 5 ~~Eriogonum~~
~~Euphorbiaceae (prima.) (?)~~
" Sept 25 Santa Rosa Canon
- 52 12 Compositae (prima.) at 1000 ft. near mission
- 53 10 Galium (primum?)
" Sept 15 Star Peak
- 54 6 Castilleja (secunda.)
- 55 7 Epilobium (secundum.) (?)
"

July 27th 1867. - Sandy plain bordering the Truckee. Camp 12.-

July 27th 1867. - Sandy plain bordering the Truckee. - Camp 12.-

July 27th 1867. - Sandy plain bordering the Truckee. - Camp 12.-

Aug. 16th 1867. - Mountain side in cañon near Geod. Stat. II.

July 30th 1867. - Sandy plain at Valley Mills. - Camp C. 12. A.-

July 30th 1867. - Sandy plain at Valley Mills. - Camp C. 12. A.-

July 30th 1867. - Sandy plain at Valley Mills, and very abundant in the plains & on the mountains.-

July 31st 1867. - Sandy plain at Valley Mills. - Camp C. 12. A.-

July 31st 1867. - Mountain cañon near Valley Mills - also near Geod. Stat. II. - Rays more
Flowers (4-5) all perfect & alike. Receptacle naked, ^{& flat} pappus abundant, of stiff bristles, ^{perianth} husks
of 4 stiff lanceolate scales. Achene club-shaped, ribbed, with long spreading hairs, expanded at top.
Whole shrub woody, odorless, 2-3'.

July 31st 1867. - Same localities. On dry summits, in shade.

July 31st 1867. - Mountain cañon near Valley Mills.-

July 31st 1867. - Mountain cañon near Valley Mills, towards Stockton.

8. 10. 1867. -

Sketch	Specimen	
56	4	<i>Epilobium (tertiarium)?</i>
57	12	<i>Gilia prima. (?)</i>
58	1	<i>Lupinus</i> <i>Lupinus (prima.)</i>
59	8	<u>Unknown.</u>
60	7	<i>Euphorbia</i>
61	6	<i>Cappariaceae</i>
62	5	<i>Cruciferae (?)</i>
63	1	<i>(Helianthus ?) exilis</i>
64	1	<i>Orchidaceae</i>
65	1	<i>Compositae Helianthus</i>
66	1	<i>Nicotiana glauca</i>
67	1	<i>Yucca</i>
68	1	
69	1	
70	4	

21

1/2 in

2

74

24

10

77

78

71

4. 1. 1.

381

52

4

62

1

Loagmites

not for 1000s, now 1

60, n 207
63Sept 11th - Home - 16th 1804 -

~~Leucocarpus~~ Annamita.

Electrine -

Phragmites - (Demotina!)

Eriopon (Camellia)

Composita - (~~Linnaeus?~~) Pea - yucca a small

~~Tonipissia~~ Kibiyah

Peru, Indiana

Labialia

~~Postcard~~

C. p. variabilis 3 of 10 mm

~~Linnaea~~ Polemoniaca. (cilia.)

Aug. 1. 1867. - Sandy, bank of Soda Lake

Aug. 2. 1867. - Same locality.

Aug. 3. 1867. - Same locality.

Aug. 4. 1867. - Same locality.

Aug. 5. 1867. - Reed's Station - same locality.

Aug. 6. 1867. - Same locality.

Aug. 7. 1867. - Same locality.

Aug. 8. 1867. - Soda Lake. - near 18th Aug, Thomas' station, near Reed's.

Aug. 9. 1867. - Sandy bluff near Reed's Station. Soda Lake.

Aug. 10. 1867. - Sandy desert, near Reed's Station.

Aug. 11. 1867. - Sandy desert, near Reed's Station. Soda Lake. - near Reed's Station.

Aug. 12. 1867. - Sandy desert, near Reed's Station.

Aug. 13. 1867. - Sandy desert, near Reed's Station.

Aug. 14. 1867. - Thomas' Station. - Sandy desert.

Aug. 15. 1867. - Same locality.

- 2 | *Stachys* *latifolia*
- 7 | *Thymus*
- 1 | *Eriogonum*
- 1 | *Chenopodium* ?
- 4 | *Grass*
- 2 | *Poa*
- 1 | *Stachys*
- 1 | *Chenopodium*
- 1 | *Leguminosae*
- 1 | *Stachys*
- 1 | *Stachys*
- 8 | *Stachys* *latifolia* ?
- 3 | *Stachys*
- 2 | *Stachys*
- 5 | *Stachys*

Stachys - *latifolia* - April 19, 1902

Aug. 2nd 1867. - ^{near} near Har. - same.

Aug. 2nd 1867. - same locality.

Aug. 2nd 1867. - same locality.

Aug. 2nd 1867. - same locality.

Aug. 6th 1867. - same locality - abundance of eggs - of the same plain.

Aug. 6th 1867. - Banks of Humboldt River - 700 yds. N. of the same by
Hops & Indians - important article of food.

Aug. 6th 1867. - same locality.

Aug. 6th 1867. - Running stream of Humboldt - lower course.

Aug. 7th 1867. - same locality.

Aug. 7th 1867. - same locality.

Aug. 7th 1867. - same locality.

Aug. 7th 1867. - same locality.

Aug. 13th 1867. - same locality.

Aug. 13th 1867. - same locality.

Aug. 13th 1867. - same locality. II. - Ad. eggs. Set.

101	3	Col. goniatas	Eriogonum
102	5		Eriogonum
103	2		
104	5	laevigata	Col. grandiflora
105	1	Eriogonum	
106	2		
107	7	Col. grandiflora	
108	5		
109	8	Eriogonum	
110	1		
111	2		
112	1		
113	1		
114	1		
115	1		
116	1		
117	1		
118	1		
119	1		
120	1		

Aug. 16th 1867 - Same locality. -

Aug. 16th 1867. - Same locality. Frequent upon mountain tops.

Aug. 16th 1867. - Same locality. - Bank of stream. - Also in the same place
Cottons, Sept. 1 -

Aug. 16th 1867. - Same locality. - Mountain side. - Past bloom.

Aug. 16th 1867. - Same locality. - Springs, Sept.
Sept. 4th 1867. - Wright's Canyon - common on dry canyon bottom.

Aug. 16th 1867. - Same locality. -

Aug. 16th 1867. - Same locality. -
Sept. 4th 1867. - Wright's Canyon. - 10 ft. high - with a common on the top.

Aug. 16th 1867. - Same locality. -
Sept. 4th 1867. - Wright's Canyon. - 10 ft. high - with a common on the top.

Aug. 16th 1867. - Same locality. -

Aug. 16th 1867. - Same locality. -

Aug. 16th 1867. - Same locality. -

Aug. 16th 1867. - Same locality. -

Aug. 16th 1867. - Same locality. -

Aug. 16th 1867. - Same locality. -

Aug. 16th 1867. - Same locality. -

10116

10117

10118

10119

10120

10121

10122

10123

10124

10125

10126

10127

10128

10116 *... ..*
 10117 *... ..*
 10118 *... ..*
 10119 *... ..*
 10120 *... ..*
 10121 *... ..*
 10122 *... ..*
 10123 *... ..*
 10124 *... ..*
 10125 *... ..*
 10126 *... ..*
 10127 *... ..*
 10128 *... ..*

Receptacle naked, subglobose. Corolla 2, perianth glabrous membranaceous
leaves thin, almost naked, linear-lanceolate.

Aug. 20th 1887. - Locality. - Common in low places - flowers
in open yellow & very easily separable outer ones greenish & persistent. Stem
1-3". Leaves between 6-10 & 12 ins.

Aug. 20th 1887. - Same locality - near house. - Pod & seed slightly flattened,
lens-shaped above & below. At the two sides of each cell, Pod round. 1/4 inch at base for
each pod. Pods wide, linear, from as long as the stem, greenish albedo. Membranous
leaves from 6-10 - cordate at base - 1-3".

Aug. 20th 1887. - Same locality. - near Valley Mills. It is a very

Aug. 24th 1887. - Same locality. - flowers roundish &
or slightly flattened. Long as the stem. Leaves
short and narrow, linear-lanceolate, 2-3", contracting in drying. Flowers
in 2-3".

Aug. 24th 1887. - Same locality. - flowers single or in 2's, round
flower & fruit.

Aug. 24th 1887. - Same locality. - flowers single or in 2's, round
flower & fruit.

Aug. 24th 1887. - Same locality. - flowers single or in 2's, round
flower & fruit.

Sept. 1st 1887. - Same locality. - flowers single or in 2's, round
flower & fruit.

Aug. 31st 1887. - Same locality. - flowers single or in 2's, round
flower & fruit.

Aug. 31st 1887. - Same locality. - flowers single or in 2's, round
flower & fruit.

12. 5 - (wide from normal)

[illegible]

1/7 *Agrostis*

11/18/81 Eric - m.w.

5 Potentilla

7

138

Urtica

5

Erigeron

?

140

~~Nicotiana~~

141

Clematis

2

Same Clematis

142

Prunus

Wild Cherry - Pink name - 70-100 ft.

143

Prunus

Wild Cherry

144

Equisetum (acuminatum?)

145

Asplen

146

5

~~Androsace~~ Labiata

147

Prunus

148

Androsace

Sept. 9th 1867. - Buena Vista Canon.

- Prostrate or erect,

Sept. 9th 1867. -

Sept. 9th 1867. - Locality - Common - weed by sandy roadside. -

Sept. 9th 1867. - - - - - in the E. -
- - - - - 91125. -

Sept. 9th 1867. - - - - - Common in the canons of the
W. Humboldt - - - - - a canon of Granite Peak. - 2-12. -

Sept. 10th 1867. - Buena Vista Canon. - Perennials only a variety. Taller & more
slender growth. Clusters longer & fuller. Fruit red & more juicy. - - - - -

Sept. 10th 1867. - Unionville. - banks of creek. - Perennial. Tall & slender - 6' or
open branched. Sheaths with crown of cartaceous linear awl-shaped scales, the
green - becoming white with black border below - with narrow border of green
black points. Basal ones black throughout, with white oblong spots - - - - -
more acute on the branches. Rows of tubercles singular. - - - - - a variety of 12. -
- - - - - same locality.

Sept. 10th 1867. - Same locality.

Sept. 10th 1867. - Same locality.

Sept. 10th 1867. - Same locality - Probably atypical form of previous.

- 149 2 Euphorbia
- 150 1 Umbellifera
- 151 ~~151~~ Epilobium
- 152 7 Compositae. *Senecio*
- 153 5 Senecio *Crepis occidentalis*
- 154 5 Arum *Sagittaria*
- 155 2 *Linum* *catenatum*
- 156 3 *Linum* *catenatum*
- 157 3 *Linum*
- 158 1 Compositae *Linum* *catenatum*
- 159 5 *Linum* *catenatum*
- 160 5 *Linum* *catenatum*
- 161 6 *Linum* *catenatum*
- 162 1 *Linum* *catenatum*
- 163 2 *Linum* *catenatum*

Sept. 10 1867 - Waverly. Sandy creek bottom. - (Perhaps same as 26.)

Sept. 10 1867. - Wright's Cañon.

Sept. 10 1867. - Buena Vista Cañon.

Sept. 10 1867. - Buena Vista Cañon. - To corner of stone house, especially on
down slopes.

Sept. 10 1867. - Buena Vista Cañon. - Mountain side.

Sept. 10 1867. - Buena Vista Cañon. - Upper mountain side
Crest of Peak - Sept 120

Sept. 10 1867. - Buena Vista Cañon.

Sept. 10 1867. - Buena Vista Cañon. - Mountain side.

Sept. 10 1867. - Buena Vista Cañon. - Mountain side, hills.

Sept. 10 1867. - Sandy hills of West Spring Lake.

Sept. 10 1867. - Buena Vista Cañon. - Mountain side.

Sept. 10 1867. - Buena Vista Cañon. - Summit on high hill.

Sept. 10 1867. - Buena Vista Cañon.

Sept. 10 1867. - Buena Vista Cañon.

Sept. 10 1867. - Wright's Cañon. - Mountain side.

- 161 1 Castilleja
- 165 1 Umbellifera
- 166 3 Urtica
- 167 3 Asclepias
- 168 3 ~~Sonchus~~ ? ~~Indigofera~~ ^{Indigofera}
- 169 5 Gnaphalium ? ~~Urtica~~ ^{Urtica}
- 170 1 Prunella
- 171 11 Araceae
- 171 2
- 172 17 Labiata
- 173 8 Galium

Sept. 10th 1867. Buena Vista Canon. Creek bottom.

Sept. 10th 1867. Wright's Canon. Upper Creek bottom.

Sept. 10th 1867. - Same locality, - Also near Canon, 5 fragments.

Sept. 10th 1867. - Buena Vista Canon. Lower Creek bottom.

Sept. 10th 1867. - Wright's Canon.

Sept. 10th 1867. - Wright's Canon. Lower Creek bank.

Sept. 10th 1867. - Same locality.

Sept. 10th 1867. - Buena Vista Canon. Lower Creek bottom. - Plant a small
parasitic. It grows in a densely crowded, somewhat branched manner. Calyx lobes 5, linear
oblong, linear lanceolate, slightly curved, the outer ones are 2-lipped - the
2-lipped, inner 3-lobed, the lobes are somewhat linear. Limb marked
yellow ridge extending down from the tip of the lobes. Calyx is 1-lipped, slightly curved, the
ends up. The ovary is 3-lobed, the lobes are 3-6'. Pinkish red, the
exterior - next smooth - the lobes are 3-6'. Also found in Wright's Canon, Camp.

Sept. 10th 1867. - Same locality. - Perhaps a small variety. The
hybrids - + pedicels are 3-6'. Calyx lobes 5, linear lanceolate, slightly curved, the
mature ovary. Corolla lobes 5, linear lanceolate, slightly curved, the lobes are 3-6'.
equal to corolla. -

Sept. 15th 1867. - Same locality. - Wright's Canon.

Sept. 15th 1867. - Same locality. - Wright's Canon. - Plant a small.

- 174 20 Euphorbia
- 175 4 Malvaceae
- 176 1 Monarda (Malvaceae) (name = Ko...)
- 177 1 Umbelliferae
- 178 3 Populus (name = P...)
- 179 1 Ribes (name = ...)
- 180 5 Labiata
- 181 2 Aster (Aster)
- 182 12 Compositae Pericallis
- 183 2 Magnoliaceae
- 184 3 Phlox
- 185 17 ~~Antennaria~~ Cressidaceae
- 186 — Helianthus (Helianthus)
- 187 1 Ranunculaceae
- 188 10 Aster

Sept. 15th 1863. - Stone Peak - shaded rocks.

Sept. 15th 1863. - Same locality.

Sept. 15th 1863. - Stone Peak - shaded rocks.

Sept. 15th 1863. - Stone Peak.

Sept. 15th 1863. - Canyon & Santa Clara - Cairns.

Sept. 15th 1863. - Summit of Stone Peak - Cairns.

Sept. 15th 1863. - Stone Peak - shaded rocks. Trip on summit.

Sept. 15th 1863. - Same locality.

Sept. 15th 1863. - Same locality.

Sept. 15th 1863. - Stone Peak. - Pasture marking.

Sept. 15th 1863. - Same locality.

Sept. 15th 1863. - Same locality. Cairns of stones.

Sept. 15th 1863. - Canyon & Santa Clara - Cairns.

Sept. 15th 1863. - Stone Peak - shaded rocks.

Sept. 15th 1863. - Stone Peak.

1901 - 5 Sp. ...

1902 5 C. ...

1903 8 R. ...

1904 10 Compositae - Euphyllia

1905 6 Cruciferae

1906 2 Compositae - ~~Helianthus~~ Helianthus

1907 2 ~~Helianthus~~ Helianthus -

1908 2 Helianthus - Helianthus

1909 3 Apocynaceae Helianthus

1910 15 Baptisia - Helianthus

1911 12 Linum - ?

1912 1 Compositae - Helianthus - same plant as 1911

1913 1 Helianthus - Helianthus (20.) f +)

1914 3 Solanum giganteum

1915 3 Helianthus

Sept. 15th 1867. - Same place as Mar. 16. Rocks

Sept. 19th 1867. - Same place as Mar. 16.

Sept. 19th 1867. - Brown Vinton Cañon. Creek banks. - Fossils - black, acid, & eatable.

Sept. 19th 1867. - Foothills near Star Cañon.

Sept. 20th 1867. - Star Cañon. Bank of lower creek.

Sept. 20th 1867. - Same locality.

Sept. 19th 1867. - Coyote Cañon - sandy bottom.

Sept. 19th 1867. - Same locality.

Sept. 19th 1867. - Damp Foothills near Star Cañon - frequent creek banks. Bark much used by Indians as lamp.

Sept. 19th 1867. - Mar. 16 & Star summits.

Sept. 19th 1867. - Star summit.

Sept. 19th 1867. - Foothills near Star Cañon.

Sept. 19th 1867. - Same place as Mar. 16. Creek banks.

Sept. 19th 1867. - Same locality.

Sept. 19th 1867. - Cañons of the region. - Mar. 16 & Star summits. - Fossils 2, all, 1st & 2nd of the same, 1st & 2nd of the same, 1st & 2nd of the same.

204	2	Erigeron	Erigeron
205	2	Horridula	Horridula
206	2	Linum	Linum
207	10	Unknown	Erigeron
208	4	Unknown	Erigeron
209	12	Unknown	Erigeron
210	14	Unknown	Erigeron (?)
211	3	Solidago	Solidago
212	2	Linum	Linum
213	6	Rapistrum	Rapistrum
214	4		Linum
215	17	Artemisia	Artemisia
216	4	Compositae	Compositae
217	3	"	Compositae
218	1	Rumex	Rumex

Sept. 19th 1867. - Star-Canyon. Upper creek bank

Sept. 19th 1867. - Star Canyon - Mountain side - Rock formation,

Sept. 20th 1867. - Star Canyon - Mid. creek bank. - Penelope (1891)

Sept. 20th 1867. - Santa Clara Canyon - lower sandy bottom.

Sept. 19th 1867. - Star Canyon

Sept. 20th 1867. - Santa Clara Canyon. Dry side Canyon

Sept. 23rd 1867. - Same locality

Sept. 20th 1867. - Willow Creek. Near mouth of Canyon.

Sept. 27th 1867. - Union Creek Ranch. - Cultivated ground.

Sept. 27th 1867. - Same locality.

Sept. 27th 1867. - Same locality. - Penelope & Fr. - Cal

Sept. 29th 1867. - Canyon south of Spalding's Pass. Abundant. - Penelope
(1891)

Sept. 29th 1867. - Same locality.

Sept. 29th 1867. - Same locality.

Sept. 1st 1867. - Grand Peak Canyon. - Lower creek bank.

219 6 Solidago quipua

220 5 Artemisia

221 3 Crucifera

222 20 Compositae. *Chrysopsis* *Chrysopsis*

223 6 Leguminosae

224 4 Umbelliferae *Oenanthe*

225 1 *Juniperus* ? (*Juniperus*)

226 2

227 3

228 15 *Juniperus* *Juniperus*

229 1 *Juniperus* *Juniperus*

230 25 *Juniperus* *Juniperus*

231 1

232 6

233 1

Oct. 1st 1867. - Greenish Peak Canyon. Creek banks.

Oct. 1st 1867. - Same locality.

Oct. 1st 1867. - Same locality. - Park locality.

Oct. 1st 1867. - Same locality. Creek bottom.

Oct. 2^d 1867. - Same locality. Shaded banks.

Oct. 2^d 1867. - Same locality.

Sept. 18th 1867. - Same locality.

Sept. 18th 1867. - Same locality.

Sept. 18th 1867. - Same locality.

Sept. 18th 1867. - Same locality.

Oct. 2^d 1867. - Same locality.

234	2	Grass.-	Agrostis
235	7	"	Triticum
236	3	Grass.-	Agrostis
237	4	Mountain Grass	Melica?
238	2	Grass.	
239	5		
240	5	Rye Grass	Festuca dactyloides
241	.	Grass	Stipa
242	6	Grass	Agrostis
243	10	Grass	
244	25	Mountain Grass	Melica
245	5	Grass	Agrostis
246	3	Grass	
247	2	Rye Grass	Festuca
248	1		"
249	2		"
250	2		Agrostis

200	4		
201			Trifolium
202			Trifolium
203	1		
204	2	11	Grass.
205	3	3	Rye Grass
206	4	7	Mountain Grass
207	4		Umbellifera
208	4		Convolvulus
209	2		Umbellifera
210	3		Quercus ?
211	4		Scrophularia
212	1		Epilobium
213	3		Scrophularia
214	1		Medicago
215	1		Scrophularia
216	3		Aster

Oct. 1st 1867. - Gravelly Peak lower canyon - Pa. locality.

Oct. 1st 1867. - same locality.

Oct. 1st 1867. - same locality - perhaps collected already.

Oct. 1st 1867. - same locality.

Oct. 10 1867. - Bruner's a little down creek bank.

Oct. 15 1867. - same locality.

Oct. 15 1867. - same locality.

Oct. 15 1867. - same locality.

Oct. 15 1867. - same locality.

- 264 6 Salt Grass. *Syntherisma*
- 265 5 " *Pyropyrum* - same as 264
- 266 3 ~~Hordeum~~ *Pentstemon*
- 267 8 *Syntherisma* - *Pyropyrum*
- 268 6 *Syntherisma* *Pyropyrum*
- 269 12 Salt Grass - *Pyropyrum* *Syntherisma*
- 270 3 Grass - *Panicum*
- 271 3 *Hellianthus* *Intallii*
- 272 11 Salt Grass - *Pyropyrum* *Syntherisma*
- 273 9 *Pyropyrum*
- 274 1 *Umbellifera*
- 275 3 *Sinapis*
- 276 4 *Pyropyrum* *Syntherisma*
- 277 1 *Syntherisma*
- 278 6 *Syntherisma*
- 279 2 *Syntherisma*

Oct. 11th 1867. - Same locality

Oct. 11th 1867. - Same locality.

Oct. 11th 1867. - Same locality - same locality.

Oct. 11th 1867. - Same locality.

Oct. 11th 1867. - Same locality.

Oct. 11th 1867. - Same locality. - note. note?

Oct. 11th 1867. - Same locality.

Oct. 11th 1867. - Same locality.

Oct. 11th 1867. - Same locality. - same locality.

Oct. 11th 1867. - Same locality. - edge of ditch.

Oct. 11th 1867. - Same locality. - note. note?

Oct. 11th 1867. - Same locality. - note. note?

Oct. 11th 1867. - Same locality.

Oct. 11th 1867. - Same locality.

Oct. 11th 1867. - Same locality.

- 1-250
- 279² Composita
- 280 L. ...
- 281 Populus
- 282 3 Epilobium ?
- 283 5 Phlox
- 284 3 Labiata
- 285 3 Lepidium
- 286 1 Cruciferae
- 287 4 Carex
- 288 3 Sparganium "fluff"
- 289 5 Rumex (Rumex)
- 290 3 ~~Rumex~~ Geratophyllum
- 291 3 Linum -
- 292 4 Umbelliferae - (likely ...)

,

10 10

Nov. 16 - Mon. same to the top

351-10

Umbellifera.

2

352

30.
1Saxifraga
May 24th - Kambouchi, prop.

353

8.
4Pennisetum
Apr 23 - normal

354

14.
4

Clematis

355

1
10

Carex

356

3
5

Viola (cucullata?)

357

3
3

Viola

358

11
3

Crucifera

359

83
8

Ranunculus

360

2/
8Labiata (sp)
May 9 - Kambouchi, prop.

361

11
11

Allium

362

13
8+2May 11 - ~~1844~~ Kambouchi, prop.
Pernovica Coligant

363

10
14
4

Scrophulariaceae

364

3

Peonia Brownii

365

2

Anemone-like

- Mar. 26th 1864. - Sandy sage brush plain - Carson River valley, near
 Carson City. - Rolling dup. - Acanthaceae, and on
 foot hills - very abundant.
- Apr. 29th 1864. - W. aridum - 7000 feet -
- May 15th - W. aridum - rocky foot hills in river's Canon - Carson Valley -
- " " Salt meadows near Carson - W. aridum -
- " " occasional, with tinge of bluish pink - W. aridum -
- " " W. aridum - W. aridum -
- " 23rd - W. aridum - W. aridum -
- " 15th - W. aridum - near Carson City -
- May 2nd - " " " "
- Apr. 15th - W. aridum - near Carson City.
- May 4th - W. aridum - near Carson City.
- " 14th - W. aridum - near Carson City.
- " 22nd - W. aridum - near Carson City.
- " 24th - W. aridum - near Carson City.
- " 12th - W. aridum - near Carson City.
- " 22nd - W. aridum - near Carson City.
- " 4th 12th - W. aridum - near Carson City.
- " 23rd - W. aridum - near Carson City.
- " 14th - W. aridum - near Carson City.
- " 23rd - W. aridum - near Carson City.
- " 14th - W. aridum - near Carson City.
- " 29th - W. aridum - near Carson City.
- " 1st - W. aridum - near Carson City.
- " 23rd - W. aridum - near Carson City.
- " 15th - W. aridum - near Carson City.
- " 22nd - W. aridum - near Carson City.
- " 23rd - W. aridum - near Carson City.
- " 15th - W. aridum - near Carson City.
- " 11th - W. aridum - near Carson City.
- " 11th - W. aridum - near Carson City.

366 - $\frac{9}{4}$ Ceranium

367 - $\frac{5}{5}$

368 - $\frac{1}{2}$ + 10

369 - $\frac{1}{2}$ Cornuifer

~~3~~ = May 20 to 21 in clear creek canyon

6 p.m. to 2 a.m.

370 - $\frac{1}{2}$

371 - $\frac{22}{2}$ Phlox

372 - $\frac{15}{5}$ Libinia

373 - 12 Ranunculus

374 - 3 Salix

375 - 2 Salix

376 - 2 Populus

377 - $\frac{4}{2}$ Alnus

378 - $\frac{5}{1}$ Ribes

379 - 4 Asclepias

380 - 2 Phlox

Apr. 15th 1888 - Rocky foothills near Carson -

23

15

" 4 sage brush - abundant

23°

" 29 Rocky foothills ~~near~~ ^{W. of} Carson

23

" 4 " " & sycamores

23

" 15 " "

23

" 11 Spring foothill - King's Canyon

" 4 with lake, -

" 18 King's Canyon - above creek - 4°

" " " - creek - 10° - frequent

" " " - creek bottom - 10° -

" " " " " 10°

May 2nd " - Clear creek cañon

Apr. 18 Rocky foothills - King's Canyon - 2°

23

May 2nd King's Canyon - near ~~stream~~ head. -
in bloom Apr. 28°

"

"

"

"

"

"

"

3817 - Phlox same as 371

342-2
2

383 - 4 Claytonia

345-6 *Polemonia* *litt. incomplicata*

4-8 Imaginace
5 May 21 some locality

349 - $\frac{15}{63}$ May 21 same locality (Schivoid)

370 - 3 - Umbellifer + 5 - May 2^c - now with a clear creek again - possibly another species

391 - 16₂ *Polemoniaca*

344-11 Scrophulariaceae
12

- April 22^c - Among sagebrush of dry sandy
foothills - segments of corolla recurved
laterally. - light pink. - Carson valley
- " " Bank of Clear creek - rocky granite cañon
- May 2^o not yet in bloom. "Fruit greenish, very small".
- Apr. 22^c Dry sandy foothill - west side of valley in
mouth of Clear creek cañon - Resembles 354 -
larger, in dryer locality, flowers longer peduncled,
 involucres usually not perigynous. -
- " " ^{sandy} foothills below Carson - much like 351 -
fruit, - flowers white.
- " " Sandy foothill, mouth of Clear creek cañon
- " 21 " " near river. - Small, deep purple. -
- " 22 " " , mouth of Clear creek cañon - Scarcely
- May 25 { in bloom. - Same locality
- Apr. 22 - Sandy foothills, mouth of Clear Creek. -
- " 29 " " N. of Carson
- " " " " "
- " " " " "
- " 23 " " ~~mouth of Carson~~ north of Carson
- " 30 " " "
- " 29 " " "
- " 21 - Sandy foothill, near river. - white
- 23 " " - north of Carson
- " 24 " " "
- 23 " " north of Carson
- " " " " "
- " " " " "
- " 29 " " "
- " 29 " " "

- 395 - 5 Conifer
- 396 - $\frac{1}{9}$ "
- 397 - $\frac{11}{7}$ Boraginacea (?) (seems as 2.0)
may be same locality
- 398 - 5 Pinus monophylla (leaves)
- 399 - $\frac{2}{1}$ Juniperus occidentalis
- 400 - $\frac{3}{1}$ Ephedra arborescens
- 401 - 15 Boraginacea
- 402 - $\frac{14}{7}$ Geraniaceae
- 403 - 1
- 404 - $\frac{1}{2}$ Castilleja
may be same locality - S. of Carson
- 405 - 22 Conifer
- 406 - $\frac{6}{5}$ Conifer
- 407 - 13 Boraginacea (?)
- 408 - 5 Astragalus
- 409 - 10 "

Apr. 4. - ^{sandy} sage brush, above Carson. -

"	23	"	"	"
"	29	"	"	"
"	22 ^e	sandy foothill, mouth of Clear		
"		Creek canyon. -		
"	21	Hills E. of Empire City. - Leans from		
"		young & more mature trees. -		
"		Same locality - two forms of		
"		leaves - Peak south of Mt. Davidson = Wah. mts		
"	22 ^a	Foothills, south of Carson -		
very	9			
Apr.	23 ^e	"	north	"
"		"	"	"
"	29	"	"	"
"	23	Salt meadow " "		
"	"	Foothill " "		
"	23	Sage brush		
"	"	Same locality		
"	29	"	"	"
"	23	Salt meadow - N. of Carson		
"	"	Dry Foothills & Mountain side - "		
"	"	"	"	Possibly same
		as last		

21
99
1.1
0.51

400 - 3 *Astragalus*

411 - 2 *Crucifer*

412 - 4 *Castilleja*

413 - 3 *Prunus* may 28

414 - 1 *Supernus*

415 - 4 *Composita*

416 - 2 *Composita*

417 - 13 *Liliacea*

418 - 3 *Astragalus*

419 - 5 *Umbellifer*

420 - 20 *Crucifer*

421 - 7 *Umbellifer*

422 - 16 *Claytonia*

423 - 2 *Therapsia (?)*

424 - 1 *Liliacea (?)*

Apr. 29^c - Mombai side, N. g. Coast
29 near W. Sanderson

29	Mountain	Davidson
23	"	"
29	"	"

" 29 " " Mt. Davidson —
" 23 High Mountain side — " " not in bloom
yellow buds —

" " Dry foot hills - abundant -

17 23 24 26

21 22 23 24

Wt. Danica - 7000 g

Mountain side, G. Mt. Sanborn - 6500 ft.

" Sunday for Mills, Carson Plain, north.

11 Summit of Peak, S. of Brandon

11 High canon + Mountain side, near Dander-
6-7000 feet. —

" High mountain side, near San Jose -
6500 feet. -

- 425-3 Eriogonum
- 426-3 Mountain Mahogany
- 427-6 Carex
- 428-3 Libocedrus
- 429-7 Cornifer
- 430-6 Woodwardia?
- 431-6 Fraxinus?
- 432-1 Umbellifer
- 433-3 Salix
- 434-3 ~~Epilobium~~ Anemone
- 435-9 "
- 436-2 Compositae^a - liguliflora
- 437-2 Adiantum
- 438-7 Rubus
- 439-4 Lonicera (?)

- 440-2 Umbellifer
- 441-3 Salix
- 442-7 Boraginacea
- 443-6 Cornifera - Ligulifera
- 444-3 Senecio vulgaris
- 445-10 Obione (??)
= 922
- 446-1/2 Fragaria
- 447-4 Equisetum
- 448-2 Salix
- 449-10 Ceanothus
- 450-12 Boraginacea (Rosa or 39)
- 451-13 Salix
- 452-10 Castanea chrysophylla
- 453-2 Prunus?
- 454-4 Salix

May 2^d Sandy foothills below Carson

11	9	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
11	"	met	"	about	"

11	9	Rocking	"	below	"
"	"	"	"	"	"

"	4 th	Sandy foothill, near Mill Station - Washoe
"	8	In bloom edge ditch, head of Washoe Lake -

"	"	Creek bank, lower Mill Station
---	---	--------------------------------

"	"	Same locality - not yet in bloom - to be in 15° high -
---	---	--

"	"	Sandy foothill, head of Washoe Lake
---	---	-------------------------------------

"	"	Deep grain washed in valley - in bloom -
---	---	--

"	"	Mill Station Mine, 6000 feet - Washoe - yellow, stems bright red. - 15° - stream -
---	---	--

"	"	Same locality - granite mountain side - 2° -
---	---	--

"	"	"	"	near stream - 4° - not in bloom
---	---	---	---	---------------------------------

"	"	"	"	stream - 8° - yellow
---	---	---	---	----------------------

- 455-3 Pteris ~~sp~~
- 456-3 Pinus ponderosa - cones -
- 457-4 Picca grandis - white pine -
- 458- Picca - probably same as last -
- 459-3 Crucifera resembles 358
- 460-2 Polyanthus " 362 Col. granit's
- 461-4 Rumex
- 462-12 Prunella (?)
- 463-8
- 464-6 Carex
- 465-2 Carex
- 466-2 Astragalus May - white fls. & leaves
- 467-5 Polyanthus 362. ineflora
- 468-1 Geranium
- 469-3 Vicia

May 6th - Mill Station canon - granite mountain side.
5-6000 ft - new shoots not yet appearing

5-6000 ft - new shoots not yet appearing

u a Same locality - from young ones

" " same locality

" " " with the last.

2 Fox Hills South of Canon

11. 4. Moh. Station. Canon, high mountainside - 1000 ft.

5 Our reality -

" 9 Rocky forest below Washoulay

470-1 Composita (Liguliflora) *Conium*

471-10 Menyanthes
Menyanthes

472-4 Carex

473-5 Carex

474-2 Carex

475-3 Astragalus

476-5 Cruciferae

477-2 *Chenopodium* 54
2

478-8

479-4

480-5 Boraginaceae

481-6 Cruciferae

482-5

483-2 Allium

484-6 Galium

485 Composita

Conium

May 9th Left town at 6 AM, a very heavy rain.

" 9th Rocky foothills, about Steamboat Springs - perhaps same
as 409. -

" 9 Wet meadow above Steamboat Springs

" 9 " " by Huppert - perhaps some as last

" 9 " " with last - perhaps same. -

" 9 Sandy + shills near Steamboat Sprng

485-10 Allium ?

486-12

487-2. Carex

488-5 Conifer

Many spec. lost a real fine spec.

489-6 Ranunculus (Bering)

490-4 Claytonia x ~~111~~

491-1 Boraginacea (?)

492-6 Conifer x

493-2 Trifolium (Bering)

494-3 Ranunculus (Bering)

495-6 Linum ? x (Bering)

496-3 Adiantum (Bering)

497-8 Saxifraga (all 2) x (Bering) (Bering)

498-6 Phlox x (all 2) (Bering)

499-4 Astragalus x (Bering)

May 7th Steamboat Springs

Stearnsboro Valley - Saybrook

n n n n Huffaker's Meadow.

Alkali Saye jilain

" Standing water - meadow
p. over a mile

It is a fine one. The artist is

- 1530 - 1 *Stenopoda* (boat) (boat)
 1531 - 2 *Stenopoda* (boat), 2 (boat) x (boat)
 1532 - 3 *Stenopoda* (boat) (boat) x
 1533 - 1 *Stenopoda* (boat)
 1534 - 1 *Stenopoda* x
 1535 - 4
 1536 - 6 *Stenopoda* x
 1537 - 7 *Stenopoda* (boat)
 1538 - 5 *Stenopoda* x (boat) (boat)
 1539 - 6 *Stenopoda* x (with 1 boat + 3)
 1540 - 5 *Stenopoda* (boat)
 1541 - 5 *Stenopoda* (boat)
 1542 - 5 *Stenopoda* (boat) x

May 12 Page 1 from 1 of 14 Pages

1. "Early growth rate in children"

1-15 3 variation

x

1-16 1 variation

x

1-17 2 variation

x

1-18 3 variation

x (one line - 11)

1-19 1 variation

(book)

1-20 1 variation

x (3 lines) bit. uncorrected

1-21 1 variation

x

1-22 1 variation

(one line)

1-23 1 variation

(missing)

1-24 1 variation

x

1-25 1 variation

x

1-26 1 variation

x

1-27 1 variation

x

1-28 1 variation

x

1-29 1 variation

x

May 1st Rotten ground in the morning

" " Heavy rain - in the afternoon

" " Some heavy rain - in the afternoon

" " Another heavy rain - 30

" " Another heavy rain - 30

" " Another heavy rain - 30

" " Another heavy rain - 30

" " Another heavy rain - 30

" " Another heavy rain - 30

" " Another heavy rain - 30

" " Another heavy rain - 30

2. $\times$

2

12. 11. 1911

人

7

X

+

X

X

154

14

10

9

May 11 - Kansas - ...

May 12 -

May 13 - ...

May 14 - ...

May 15 - ...

" " " " - near ...

" " " " -

" " " " -

" " " " -

May 17th - Kansas - ...

May 20 - ...

May 21 - ...

May 22 - ...

May 23 - ...

May 24 - ...

11

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May 13th - from Clark's to Rineys, ~~up the canyon, through the~~
 foothills & mountain sides to bank of river. -

1. - Castilleja - rocky canon - 2.
2. - Malva - sandy hill side (526.) 1.
3. - Boraginacea - same locality 2.
4. - Composita minute. dry along river - 15.
5. - Menziesia - rocky mountain side 4.
6. - Polemoniacea - Foothills 1st. incognita 2.
7. - Scrophulariacea - ? same locality 1.
8. - Boraginacea " " 1.
9. - Eicksholzia - dry rocky river 15.
10. - Asclepias ? - 1.
11. - Astragalus - same locality 1.
12. - Labiata - rocky mountain side 1.
13. - Gilia - sandy foothills 1.
14. - Zephura - 2.
15. - Cleome - 1.
16. - Lemnaceae, ~~small~~ - ~~small~~ ~~plant~~ ~~the~~ ~~same~~ ~~locality~~ - 1.
17. - Lupinus " " 1.
18. - Phacelia 3.
19. - Oenothera - foothills, sandy river 3.
20. - Claytonia rocks, mountain side 1.
21. - Phlox - desert - 1.
22. - Eriogonum (527) rocky mountain side (29) 1.
23. - Yucca - bank of river, 25. 1.
24. - Androsace - sandy road side 3.
25. - Androsace - same locality 1.
26. - Crucifera - sandy river near river 1.
27. - Chenopodium - 1st river - 1.
28. - Chenopodium - same locality 4.

29. Corvus - same locality	5,	26.
30. Ambrosia L ¹ alkali meys at Hickys	2,	22.
31. Ambrosia ? - same locality	4,	23.
32. Chenopodium ?	"	24.
33. Lonicera ?	"	25.
34. Phlox - summit of mountain		26.
35. Scrophulariaceae - sandy foothills	4,	27.

May 14th - Riches to meigs. - foothills to sandy & alkali plain car of 1. yds, across spur of station I., & along rocky plateau edge of alkali basin to meigs. -

1. Lonicera - ridge near Hickys	2,	31.
2. Composita - rocky foothills near Hickys	2,	32.
3. Scrophulariaceae - same along	5,	33.
4. Lonicera - " "	3,	34.
5. Polemoniaceae - " " list. Hesperis	16,	35.
6. Composita - Niveoid. " "	5,	36.
7. Composita - Lipoch. " "	1,	37.
8. Composita - minute " "	1,	
9. Scrophulariaceae " "	1,	38.
10. Polemoniaceae " "	1	
11. Erigonum (P. B.) " "	10,	39.
12. Erigonum - (P.) " "	4,	40.
13. Verbena - small " "	15,	41.
14. Lichen " "	1,	42.
15. Delphinium " "	2,	
16. Conifer - desert " "	1,	43.
17. Isolaevia ? same locality	1,	
18. Lonicera - sandy rocky plateau	2,	
19. Trigonostemon - same " "	10,	
20. Lonicera - " "	3	

21.	<i>Borreria</i> - same locality	1.
22.	<i>Unk. name</i> - " "	1.
23.	<i>Epilobium</i> - sandy sage plain	1.
24.	<i>Lupinus</i> - same locality	1.
25.	<i>Hippocrepis</i> - " "	2.
26.	<i>Euphorbia</i> - " "	5.
27.	<i>Onoseris</i> - " "	1.
28.	<i>Borreria</i> - " "	2.
29.	<i>Onoseris</i> - rocky plateau E. of station I	2.
30.	<i>Astragalus</i> - same locality	5.
31.	<i>Heterophylla</i> - " " <i>filifolia</i>	5.
32.	<i>Gerardia</i> - " "	1.
33.	<i>Cercaria</i> - border of lake E. of station I.	2.
34.	<i>Compositae</i> - alkali shrub - same locality	1.
35.	<i>Conium</i> - " " <i>maculatum</i>	1.
36.	<i>Stipa</i> - rocky plateau	1.
37.	<i>Cercaria</i> - same locality - very common	2.

May 15th. - From ridge between basins - along valley to Trinity Mts. by water course to summit of Station 14, by north canyon above Station 12 to valley of Humboldt River.

1.	<i>Hippocrepis</i> - dry rocky soil at Hot Springs	5.
2.	<i>Chenopodiaceae</i> - same locality	3.
3.	<i>Sedum</i> - moist alkali soil - <i>prostratum</i> - <i>repens</i>	2.
4.	<i>Compositae</i> - dry soil, hot springs <i>Pentstemon</i>	1.
5.	<i>Compositae</i> - same locality	1.
6.	<i>Onoseris</i> - " "	1.
7.	<i>Stipa</i> - " "	1.
8.	<i>Compositae</i> - sandy sage plain by hot springs	1.
9.	<i>Compositae</i> - same locality	1.
10.	<i>Compositae</i> - rocky soil	1.

11 - Gilia - same locality		21.
x12 - Eriogonum " "	11.	22.
13 - Composita - Rocky ridge & stat 14 - same locality	2.	23.
14 - Boraginacea - same locality	1.	24.
15 - Boraginacea " "	1.	25.
16 - Gentianacea - Rocky cañon - stat 14 - same locality	1.	26.
17 - Boraginacea - Foothill side - north of stat 12.	15.	27.

+ May 16th - from Dutchman's to Browns. - across plateau & foothills to Grand Valley
cañon leading to Eagle crag, to summit, & by main cañon east to valley.

1 - Lepidium - gravelly & sandy, grassy - abundant	9.	31.
2 - Melanthera (?) - high hillsides	3.	32.
3 - Boraginacea - rocky hillside	6.	33.
4 - Cruciferae - same locality	3.	34.
5 - Gilia - " "	1.	35.
6 - Eriogonum - rocky rim	5.	
7 - Melanthera - " "	2.	
8 - Boraginacea - rocky hillside	4.	36.
9 - Boraginacea " "	1.	37.
10 - Eriogonum " "	2.	38.
11 - Boraginacea " "	1.	39.
12 - Boraginacea " "	1.	40.
13 - Boraginacea " "	1.	41.
14 - Boraginacea " "	1.	42.
15 - Boraginacea " "	1.	43.
16 - Boraginacea " "	1.	44.
17 - Boraginacea " "	1.	45.
18 - Boraginacea " "	1.	46.
19 - Boraginacea " "	1.	47.
20 - Boraginacea " "	1.	48.
21 - Boraginacea " "	1.	49.
22 - Boraginacea " "	1.	50.
23 - Boraginacea " "	1.	51.
24 - Boraginacea " "	1.	52.
25 - Boraginacea " "	1.	53.
26 - Boraginacea " "	1.	54.
27 - Boraginacea " "	1.	55.
28 - Boraginacea " "	1.	56.
29 - Boraginacea " "	1.	57.
30 - Boraginacea " "	1.	58.
31 - Boraginacea " "	1.	59.
32 - Boraginacea " "	1.	60.
33 - Boraginacea " "	1.	61.
34 - Boraginacea " "	1.	62.
35 - Boraginacea " "	1.	63.
36 - Boraginacea " "	1.	64.
37 - Boraginacea " "	1.	65.
38 - Boraginacea " "	1.	66.
39 - Boraginacea " "	1.	67.
40 - Boraginacea " "	1.	68.
41 - Boraginacea " "	1.	69.
42 - Boraginacea " "	1.	70.
43 - Boraginacea " "	1.	71.
44 - Boraginacea " "	1.	72.
45 - Boraginacea " "	1.	73.
46 - Boraginacea " "	1.	74.
47 - Boraginacea " "	1.	75.
48 - Boraginacea " "	1.	76.
49 - Boraginacea " "	1.	77.
50 - Boraginacea " "	1.	78.
51 - Boraginacea " "	1.	79.
52 - Boraginacea " "	1.	80.
53 - Boraginacea " "	1.	81.
54 - Boraginacea " "	1.	82.
55 - Boraginacea " "	1.	83.
56 - Boraginacea " "	1.	84.
57 - Boraginacea " "	1.	85.
58 - Boraginacea " "	1.	86.
59 - Boraginacea " "	1.	87.
60 - Boraginacea " "	1.	88.
61 - Boraginacea " "	1.	89.
62 - Boraginacea " "	1.	90.
63 - Boraginacea " "	1.	91.
64 - Boraginacea " "	1.	92.
65 - Boraginacea " "	1.	93.
66 - Boraginacea " "	1.	94.
67 - Boraginacea " "	1.	95.
68 - Boraginacea " "	1.	96.
69 - Boraginacea " "	1.	97.
70 - Boraginacea " "	1.	98.
71 - Boraginacea " "	1.	99.
72 - Boraginacea " "	1.	100.

21. - *Hesperisandra* - same loc. 1.
 22. - *Rumex* - wild cherry - high cañon 1.
 23. - *Hibiscus* - gooseberry " 1.
 24. - *Malva* - strong foxtail 1.
 25. - *Astragalus* - Eagle crag ridge 4.
 26. - *Astragalus* - same loc. 1.
 27. - *Philox* " " 1.
 28. - *Ranunculaceae* (?) ridge & cañon high Eagle crag 14.
 29. - *Tridax* cañon bed " " 12.
 30. - *Compositae* - *sabotata* " " 4.
 31. - *Hesperisandra* " " 1.
 32. - *Perovskia* " " 1.
 33. - *Compositae* " " 2.
 34. - *Astragalus* " " 2.
 35. - *Lichen* - same - of cañon 1.
 36. - *Penstemon* - strong lower cañon 1.
 37. - *Compositae* - *leptocoma* - " " 3.
 38. - *Hesperisandra* 2.
 39. - *Claytonia* 1.
 40. - *Hesperisandra* " 1.

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* May 14th - Browns to Paria - ¹⁰⁰⁰ 1000 ft. high, across plateau & up cañon to same
 with. Many 1000 ft. high, some rocky with or on foxtails & plain to alkali flat -

1. - *Polemoniaca* (?) - sandy soil - 6.
 2. - *Chrysanthemum* - with salt 3.
 3. - *Polemoniaca* - same locality 1.
 4. - *Philox* - low cañon 5.
 5. - *Astragalus* - low cañon 3.
 6. - *Perovskia* (?) - same loc. 10.
 7. - *Equisetum* - dry rocky cañon 4.
 8. - *Astragalus* - same loc. 1.
 9. - *Compositae* - *leptocoma* - low cañon 1.

10	Silene	- rocky foothills - leaves thick	1	
x 11	Sesiphioloma	(?) - low canyon	5	
12	Crucifera	- Foot hill	4	1
13	Lupinus	- lower canyon	8	2
14	Schizanthus	- same locality	2	3
15	"Rimok Crass"	"	1	4
16	Composita - ligulate	"	1	5
17	Composita - Ricoid	"	1	6
18	Veronica	"	2	7
19	Eriogonum	"	1	8
20	Antennaria	"	1	9
21	River - Grouseberry	- lower canyon	3	10
22	Penstemon	" "	1	11
23	Composita - radiata	" "	1	12
24	" "	main ridge	4	13
25	Dracopis	" "	2	14
26	Phlox	" "	1	15
27	Phacelia	" "	2	16
28	Thross	" "	1	17
29	Antennaria	- high canyon	6	18
30	Chenopodiaceae (?)	- alkali shrub - flat near Parker	2	
31	Flacoma	- rocky bluff near Parker	1	
32	Crucifera	- sand	1	
33	Geranium	"	1	1
34	"Saxifraga" sp.	"	1	2
35	Unknown	- rocky foothills		3

May 19th - From Parkers to Lovelock's. - over apex of Fox Hills to Chatth -
 cañon & across valley, along through at Lovelock's. -

1. - *Artemisia* - along hillside - 5
2. - *Ephedra* - in fertile cañon - 16
3. - *Lupinus* - fertile - along - 2
4. - *Menziesia* - along - 14
5. - *Astragalus* - rocky hillside - 2
6. - *Astragalus* - high hillside - 1
7. - *Composita* - along ridge - 1
8. - *Umbellata* - summit - rock cañon by Lovelock's - 1
9. - *Phlox* - " - 3
10. - *Cercitara* - " - 1
11. - *Salicaceae* - mountain side - Col. granite - 2
12. - *Umbellata* - " - 2
13. - *Cactus* - along hillside - 1
14. - *Umbellata* - summit - 2
15. - *Blackmonia Lewisii* - " - 3
16. - *Pentstemon* - lower along cañon - 1
17. - *Phlox* - " - Lept. purpurea - 2
18. - *Brassicifera* - edge of along cañon - 2

May 20th - Lovelock's to Cooper's Ferry - over sand hills & plain to Cooper's Ferry -
 along park by rocky cañon & over sand hills to Cooper's Ferry -

1. - *Brassicifera* - sand hills near ferry - abundant & frequent - 3
2. - *Brassicifera* - same locality - " - 9
3. - *Lupinus* - " - 3
4. - *Lupinus* - " - 3
5. - *Composita* - " - 1
6. - *Salicaceae* - " - 1
7. - *Phacelia* - " - 1

1. <i>Thymus</i> - <i>subulatus</i> - <i>by</i>	2-	2-
2. <i>Taraxacum</i> -	1-	2-
3. <i>Compositae</i> - <i>viscosi</i>	1-	10-
4. <i>Impatiens</i> -	2-	7-
5. <i>Penstemon</i> - <i>eximius</i>	4-	8-
6. <i>Penstemon</i> - <i>eximius</i> - <i>locality</i>	5-	1-
7. <i>Desmodium</i> -	3-	10-
8. <i>Desmodium</i> -	5-	11-
9. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	2-	12-
10. <i>Desmodium</i> -	1-	13-
11. <i>Desmodium</i> -	5-	14-
12. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	15-
13. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	6-	16-

1. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
2. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
3. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
4. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
5. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
6. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
7. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
8. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
9. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
10. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-

1. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	4-	1-
2. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
3. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
4. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
5. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
6. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
7. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
8. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
9. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-
10. <i>Desmodium</i> - <i>eximius</i> - <i>locality</i>	1-	1-

4. *Thymus* - *Thymus* - 2
5. *Borraginacea* - *borraginacea* - 1
6. *Eriogonum* - *erogonum* - 1
7. *Phlox* - *phlox* - 3
8. *Galium* - *galium* - 1
9. *Phlox* - *phlox* - 1
10. *Ranunculus* - *ranunculus* - 1
11. *Rosa* - *rosa* - 1
12. *Umbellifera* - *umbellifera* - 1
13. *Labiata* - *labiata* - 3
14. *Rumex* - *rumex* - 1
15. *Mariposa* - *mariposa* - 2
16. *Adiantum* - *adiantum* - 1

Heavy (2) - *Thymus* - *thymus* - 1

1. *Adiantum* - *adiantum* - 1
2. *Ranunculus* - *ranunculus* - 1
3. *Astragalus* - *astragalus* - 3
4. *Astragalus* - *astragalus* - 1
5. *Phlox* - *phlox* - 1
6. *Rosa* - *rosa* - 1
7. *Umbellifera* - *umbellifera* - 1
8. *Umbellifera* - *umbellifera* - 1
9. *Umbellifera* - *umbellifera* - 1
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98. *Umbellifera* - *umbellifera* - 1
99. *Umbellifera* - *umbellifera* - 1
100. *Umbellifera* - *umbellifera* - 1

15.	100 m - canyon above camp		
16.	Cestrodia - same locality - 100 m - 100 m	2	1.
17.	Nelumbifolia - | " " [Hó-gu-a-tán-ón-đo-gu-đi]	1.	2.
18.	Lupinus " " [Hó-gu-a-tán-ón-đo-gu-đi]	4.	3.
19.	Compositae - radish - " " [Hó-gu-a-tán-ón-đo-gu-đi]	1.	4.
20.	Urtica - " " [Hó-gu-a-tán-ón-đo-gu-đi]	1	5.
21.	Moss - " " [Hó-gu-a-tán-ón-đo-gu-đi]	2.	6.
22.	Compositae - ligulate - north canyon, same locality	1.	7.
23.	Compositae - ligulate - same locality	10.	
24.	Compositae - ligulate - same locality	1.	
25.	Compositae - ligulate - same locality	2.	1.
26.	Compositae - ligulate - same locality	1.	2.
27.	Compositae - ligulate - same locality	1.	3.
28.	Compositae - ligulate - same locality	1.	4.
29.	Compositae - ligulate - same locality	1.	5.
30.	Compositae - ligulate - same locality	1.	6.
31.	Compositae - ligulate - same locality	1.	7.
32.	Compositae - ligulate - same locality	1.	8.
33.	Compositae - ligulate - same locality	1.	9.
34.	Compositae - ligulate - same locality	10.	10.
35.	Compositae - ligulate - same locality	1.	11.
36.	Compositae - ligulate - same locality	1.	12.
37.	Compositae - ligulate - same locality	1.	13.
38.	Compositae - ligulate - same locality	1.	14.
39.	Compositae - ligulate - same locality	1.	15.
40.	Compositae - ligulate - same locality	1.	16.
41.	Compositae - ligulate - same locality	1.	17.
42.	Compositae - ligulate - same locality	1.	18.
43.	Compositae - ligulate - same locality	1.	19.
44.	Compositae - ligulate - same locality	1.	20.

May 21 - To Verde + top near camp in willow canon.

1. - Astragalus - hilltop	3-
2. - Astragalus - hillside	2-
3. - Composite - rad. lake - in flower bunches - not in bloom	1-
4. - Composite	2
5. - Composite	2-
6. - Gilia (?) incompina	1.
7. - Grass - hilltop	3-
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May 30th - To Grana and the foot hills + back by north canon.

1. - Composite	2
2. - Composite	
3. - Composite	2
4. - Composite	1.
5. - Malva	2
6. - Astragalus	
7. - Phacelia	3
8. - Composite	
9. - Astragalus	
10. - Composite	1.
11. - Composite	1
12. - Eriogonum	
13. - Composite	1
14. - Eriogonum	2-
15. - Composite	
16. - Composite	1-
17. - Composite	8.
18. - Composite	1.
19. - Grass	10
20. - Grass	1.

Yuma Co. near Huma.
 1. *Strophomena* - large form

* June 3rd - from Huma to Blairville - reportable amount of fossils
 on side of river - taking fossils to Huma

1. <i>Strophomena</i> - large form - near Huma	4	30
2. <i>Strophomena</i> - large form - near Huma	2	31
3. <i>Strophomena</i> - large form - near Huma	3	32
4. <i>Strophomena</i> - large form - near Huma	1	33
5. <i>Strophomena</i> - large form - near Huma	1	34
6. <i>Strophomena</i> - large form - near Huma	1	35
7. <i>Strophomena</i> - large form - near Huma	5	36
8. <i>Strophomena</i> - large form - near Huma	1	37
9. <i>Strophomena</i> - large form - near Huma	2	38
10. <i>Strophomena</i> - large form - near Huma	5	39
11. <i>Strophomena</i> - large form - near Huma	8	40
12. <i>Strophomena</i> - large form - near Huma	1	41
13. <i>Strophomena</i> - large form - near Huma	3	42
14. <i>Strophomena</i> - large form - near Huma	1	43
15. <i>Strophomena</i> - large form - near Huma	1	44
16. <i>Strophomena</i> - large form - near Huma	1	45
17. <i>Strophomena</i> - large form - near Huma	1	46
18. <i>Strophomena</i> - large form - near Huma	1	47
19. <i>Strophomena</i> - large form - near Huma	1	48
20. <i>Strophomena</i> - large form - near Huma	1	49
21. <i>Strophomena</i> - large form - near Huma	1	50
22. <i>Strophomena</i> - large form - near Huma	1	51
23. <i>Strophomena</i> - large form - near Huma	1	52
24. <i>Strophomena</i> - large form - near Huma	1	53
25. <i>Strophomena</i> - large form - near Huma	1	54
26. <i>Strophomena</i> - large form - near Huma	1	55
27. <i>Strophomena</i> - large form - near Huma	1	56
28. <i>Strophomena</i> - large form - near Huma	1	57
29. <i>Strophomena</i> - large form - near Huma	1	58
30. <i>Strophomena</i> - large form - near Huma	1	59
31. <i>Strophomena</i> - large form - near Huma	1	60
32. <i>Strophomena</i> - large form - near Huma	1	61
33. <i>Strophomena</i> - large form - near Huma	1	62
34. <i>Strophomena</i> - large form - near Huma	1	63
35. <i>Strophomena</i> - large form - near Huma	1	64
36. <i>Strophomena</i> - large form - near Huma	1	65
37. <i>Strophomena</i> - large form - near Huma	1	66
38. <i>Strophomena</i> - large form - near Huma	1	67
39. <i>Strophomena</i> - large form - near Huma	1	68
40. <i>Strophomena</i> - large form - near Huma	1	69
41. <i>Strophomena</i> - large form - near Huma	1	70
42. <i>Strophomena</i> - large form - near Huma	1	71
43. <i>Strophomena</i> - large form - near Huma	1	72
44. <i>Strophomena</i> - large form - near Huma	1	73
45. <i>Strophomena</i> - large form - near Huma	1	74
46. <i>Strophomena</i> - large form - near Huma	1	75
47. <i>Strophomena</i> - large form - near Huma	1	76
48. <i>Strophomena</i> - large form - near Huma	1	77
49. <i>Strophomena</i> - large form - near Huma	1	78
50. <i>Strophomena</i> - large form - near Huma	1	79
51. <i>Strophomena</i> - large form - near Huma	1	80
52. <i>Strophomena</i> - large form - near Huma	1	81
53. <i>Strophomena</i> - large form - near Huma	1	82
54. <i>Strophomena</i> - large form - near Huma	1	83
55. <i>Strophomena</i> - large form - near Huma	1	84
56. <i>Strophomena</i> - large form - near Huma	1	85
57. <i>Strophomena</i> - large form - near Huma	1	86
58. <i>Strophomena</i> - large form - near Huma	1	87
59. <i>Strophomena</i> - large form - near Huma	1	88
60. <i>Strophomena</i> - large form - near Huma	1	89
61. <i>Strophomena</i> - large form - near Huma	1	90
62. <i>Strophomena</i> - large form - near Huma	1	91
63. <i>Strophomena</i> - large form - near Huma	1	92
64. <i>Strophomena</i> - large form - near Huma	1	93
65. <i>Strophomena</i> - large form - near Huma	1	94
66. <i>Strophomena</i> - large form - near Huma	1	95
67. <i>Strophomena</i> - large form - near Huma	1	96
68. <i>Strophomena</i> - large form - near Huma	1	97
69. <i>Strophomena</i> - large form - near Huma	1	98
70. <i>Strophomena</i> - large form - near Huma	1	99
71. <i>Strophomena</i> - large form - near Huma	1	100

+ 8.000 m

26.-	Malva	low - dry canyon - common	1.
27.-	Malva	low - dry canyon - common	2.
28.-	Malva	low - dry canyon - common	2.-
29.-	Malva	low - dry canyon	✓
30.-	Malva	low - dry canyon	1
31.-	Malva	same locality	4-
32.-	Compositae	hills - common	5-
33.-	Compositae	hills - common	1-
34.-	Umbelliferae	"	1.-
35.-	Umbelliferae	"	2-
36.-	Chenopodiaceae	low - dry canyon	3.
37.-	Umbelliferae	low - dry canyon	10.

Phanerogams -

1.-	Phacelia	low - dry canyon	1
2.-	Compositae	hills - common	1-

Flora 6th -

1.-	Supina	low - dry canyon	5.
2.-	Malva	low - dry canyon	1
3.-	Compositae	hills - common	1-
4.-	Compositae	hills - common	1-

Flora 7th -

1.-	Malva	low - dry canyon	11.
2.-	Malva	low - dry canyon	4.-
3.-	Compositae	hills - common	2
4.-	Malva	low - dry canyon	1
5.-	Malva	low - dry canyon	2
6.-	Compositae	hills - common	4-

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72.	...	...	...	100

29.	Comp. ...	...	1.
30.	...	...	1.
31.	Lichen ...	...	3.
32.	Thore ...	...	1.
33.	...	...	1.
34.	Crucifera ...	...	3.
35.	Crucifera ...	...	2.
36.	Phlox ...	...	2.
37.	...	...	1.
38.	...	...	12.
39.	Scutellaria ...	...	2.
40.	...	...	...
41.	Composita ...	...	...
42.	Composita ...	...	1.
43.	...	...	1.
44.	...	...	1.
45.	...	...	4.
46.	...	...	...
47.	...	...	3.
48.	...	...	...
49.	...	...	2.
50.	...	...	...
51.	...	...	...
52.	...	...	1.
53.	...	...	5.
54.	...	...	6.
55.	...	...	1.
56.	...	...	5.
57.	...	...	...
58.	...	...	5.

57.	<i>Scorodolera</i> (L?) - same locality	2.-	25
60.	<i>Thalassia</i> - " "	1.-	26
61.	<i>Cercocarpus</i> - shrub " "	9.-	27
62.	<i>Caryophyllacea</i> (?) - dry ^{moist} - same locality	10.-	28
63.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	29
64.	<i>Polonia</i> - dry ^{moist} - same locality	1.-	30
65.	<i>Thalassia</i> - same locality - in stream	1.-	31
66.	<i>Thalassia</i> - same locality	1.-	32
67.	<i>Polonia</i> - dry ^{moist} - same locality	1.-	33
68.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	34
69.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	35
70.	<i>Thalassia</i> - dry ^{moist} - same locality	2.-	36
71.	<i>Thalassia</i> - dry ^{moist} - same locality	4.-	37
72.	<i>Thalassia</i> - dry ^{moist} - same locality	3.-	38
73.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	39
74.	<i>Thalassia</i> - dry ^{moist} - same locality	2.-	40
75.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	41
76.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	42
77.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	43
78.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	44
79.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	45
80.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	46
81.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	47
82.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	48
83.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	49
84.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	50
85.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	51
86.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	52
87.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	53
88.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	54
89.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	55
90.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	56
91.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	57
92.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	58
93.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	59
94.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	60
95.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	61
96.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	62
97.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	63
98.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	64
99.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	65
100.	<i>Thalassia</i> - dry ^{moist} - same locality	1.-	66

25. - *Persea* - *Sorea* - *ca* - *q* - *upper* - *canyon* - *15'* 7.-
26. - *Prunus* - " " " *15' x 0* *diameter* 5.-
27. - *Prunus* - *stellata* - *ca* - *upper* - *canyon* - *14'* 2.-
28. - *Cruciger* " " " 1.-
29. - *Unknown* *liuracea* - *ca* - *upper* - *canyon* - *15'* 2.-
30. - " " " *15'* 4.-
31. - *Umbellifer* - *ca* - *upper* - *canyon* - *15'* 2.-
32. - *Cruciger* - *ca* - *upper* - *canyon* - *15'* 1.-
33. - *Geophylorhiza* - " " 3.-
34. - *Philox* " " 2.-
35. - *Roripinacea* - *ca* - *upper* - *canyon* - *15'* 1.-
36. - *Lupinus* - *ca* - *upper* - *canyon* - *15'* 1.-

- June 10th - *Umbellifer* - *ca* - *upper* - *canyon* - *15'* 2.-
1. - *Menyolia* - *ca* - *upper* - *canyon* - *15'* 3.-
2. - *Menyolia* - *ca* - *upper* - *canyon* - *15'* 1.-
3. - *Galium* - *ca* - *upper* - *canyon* - *15'* 1.-
4. - *Galium* - *ca* - *upper* - *canyon* - *15'* 5.-
5. - *Comp. umbellifer* - *ca* - *upper* - *canyon* - *15'* 3.-
6. - *Comp. umbellifer* - *ca* - *upper* - *canyon* - *15'* 2.-
7. - *Asop. umbellifer* - *ca* - *upper* - *canyon* - *15'* 1.-
8. - *Linum* - *ca* - *upper* - *canyon* - *15'* 8.-
9. - *Comp. umbellifer* - *ca* - *upper* - *canyon* - *15'* 1.-
10. - *Phacelia* - *ca* - *upper* - *canyon* - *15'* 4.-
11. - *Philox* - *ca* - *upper* - *canyon* - *15'* 2.-
12. - *Roripinacea* - *ca* - *upper* - *canyon* - *15'* 1.-
13. - *Delphinium* - *ca* - *upper* - *canyon* - *15'* 4.-
14. - *Umbellifer* - *ca* - *upper* - *canyon* - *15'* 1.-
15. - *Umbellifer* - *ca* - *upper* - *canyon* - *15'* 1.-
16. - *Comp. umbellifer* - *ca* - *upper* - *canyon* - *15'* 3.-

17. - <i>Chenopodium</i> - / <i>Ranunculus</i> (ca. 2) - same locality	4.-	27.-
18. - <i>Viola</i> - rocky hillside of upper canon	2.-	28.-
19. - <i>Chenopodium</i> - same locality <i>Sarcobatus</i> <i>fruticosa</i>	1.-	29.-
20. - <i>Carex</i> - springy about the upper canon	10.-	30.-
21. - <i>Salicoidium</i> - rocky stream bed	4.-	31.-
22. - <i>Salicoidium</i> - same locality	2.-	32.-
23. - <i>Salicoidium</i> - " "	5.-	33.-
24. - <i>Salicoidium</i> - " "	4.-	34.-

<i>Juniperus</i> - Unionville across valley, along gulches		14.-
<i>Juniperus</i> - " "		15.-
<i>Juniperus</i> - side of ditch in Ball's garden	4.-	16.-
<i>Juniperus</i> - " " - valley	2	17.-
<i>Tetradlea</i> - waste of foot hills - <i>T. glabrata</i> + <i>aperta</i> ca		18.-
" " - among brush of the plain	3.-	19.-
" " - radiata - on rocky hill - <i>aperta</i> ca	4.-	20.-
<i>Scrophulariaceae</i> - (<i>Hesperis</i> ?) - same locality	2.-	21.-
<i>Phacelia</i> - on side of valley - early, wash - <i>drummondii</i>	1.-	22.-
<i>Scrophulariaceae</i> - same locality <i>bell</i> - <i>macrocarpa</i>	1.-	23.-
<i>Scrophulariaceae</i> - eastern of Middle - <i>macrocarpa</i>	1.-	24.-
<i>Scrophulariaceae</i> - " " - early, ripens yellow	2.-	25.-
<i>Ranunculus</i> - " "	1.-	26.-
<i>Asclepias</i> - " "	5.-	27.-

=		
June 12 ¹⁵ - from Dr. H. L. ... & up ... - <i>Asclepias</i> - <i>drummondii</i> - <i>drummondii</i>		
= cottonwood ridges in Pleasant valley, ... to Co. ... in pass. -		
1. - <i>Asclepias</i> - radiata - foot hills, dry <i>Sarcobatus</i> <i>fruticosa</i>	1.-	35.-
2. - <i>Asclepias</i> - dry foot hills & wash	4.-	36.-
3. - <i>Compositae</i> - radiata - foot hills - <i>drummondii</i>	2.-	37.-
4. - <i>Scrophulariaceae</i> (foot hills) - <i>macrocarpa</i>	1.-	38.-

5.- Unknown - Liliacea? - damp hillside	1.
6.- <i>Euphorbia</i> - dry grass hill	1.-
7.- <i>Boerhaavia</i> - dry sandy hillside ridge	1.-
8.- <i>Scrophularia</i> - "	3 + 1.-
9.- <i>Viola</i> - "	1.
10.- <i>Veronica</i> - "	1.-
11.- <i>Euphorbia</i> - "	1.-
12.- <i>Euphorbia</i> - "	0.-
13.- <i>Composita</i> - minute - "	1.-
14.- <i>Phlox</i> - "	4.-
15.- <i>Polemoniaceae</i> - " <i>Col. grandiflora</i>	1.-
16.- <i>Composita</i> - radiata - sandy hillside - "	4.-
17.- <i>Composita</i> - radiata - same locality 1-3° <i>Senecio</i> <i>lymus</i>	1.-
18.- <i>Vicia</i> - creek bank in upper canon	2.-
19.- <i>Argemone</i> - sandy hillside - "	1.-
20.- <i>Composita</i> - radiata - same locality	3.-
21.- <i>Composita</i> - ligulate - "	1
22.- <i>Composita</i> - ligulate - "	2.-
23.- <i>Composita</i> - radiata - "	3.-
24.- <i>Composita</i> - radiata - "	2.-
25.- <i>Lithospermum</i> - "	2.-
26.- <i>Passiflora</i> - lower canon, dry bottom	1.-
27.- <i>A. baccata</i> - "	1.-
28.- <i>Ononis</i> - alkali plain in upper valley	5-
29.- <i>Boerhaavia</i> - muddy ground in valley	1
30.- <i>Boerhaavia</i> - same locality	1
31.- <i>Boerhaavia</i> - "	1.

* June 13 - From Summit of Donnelly's Pass. along ridge to camp. over
 a Spanish pass, east, along plateau & foothills & flat to Hakeby Pass,
 through pass & over flank of mountains & Hakeby Pass.

1.- Iris	same locality	1	
2.- Viola	same locality	1	
3.- Oenothera	" "	3	4
4.- Unknown (Liliaceae)	same locality, hillside	2	
5.- Campanula	Ligular	1	4
6.- Campanula	Ligular	1	
7.- Phlox	" "	3	1
8.- Phlox	" "	1	5
9.- Phlox	" "	3	3
10.- Phlox	" "	2	4
11.- Campanula	Donnelly's ridge	4	5
12.- Campanula radialis	Dry edge of ridge	2	5
13.- Polyanthus	Dry hillside & upper edge of hillside	9	7
14.- Phlox	Donnelly's ridge	1	8
15.- Phlox	Donnelly's ridge	1	9
16.- Oenothera	" "	1	10
17.- Oenothera	" "	1	11
18.- Phlox	Dry edge of ridge	6	12
19.- Phlox	same locality	3	13
20.- Phlox	" "	9	14
21.- Phlox	Donnelly's ridge	1	15
22.- Phlox	same locality	5	16
23.- Phlox	Donnelly's ridge	3	17
24.- Phlox	Donnelly's ridge	2	18
25.- Phlox	" "	3	19
26.- Phlox	Donnelly's ridge	4	20
27.- Phlox	Donnelly's ridge	2	21

June 15. - ... to Unionville

1. *Compositae* - radicle - sandy but a lower ... 2.
2. *Euphorbia* - some locality 1.
3. *Moss* - shaded wet bank of stream 1.
4. *Trapa* - roof of stream - (note back.)
5. *Onoclea* - sandy ... 3.

7.

June 18th - Unionville. - down creek into valley - along creek to ...

1. *Salix* - common in lower ...
2. *Rosa* - creek bank 2.
3. *Astragalus* - dry creek bed. 1.
4. *Compositae* - radicle - some ... 1.
5. *Onoclea* - back - purple petiole 2.
6. *Trapa* - some locality 1.
7. *Trapa* - " 2.
8. *Eriogonum* - " 2.
9. *Thymus* - " 12.
10. *Thymus* - " 6.
11. *Compositae* - back ...
12. *Staphylinus* - " 1.
13. *Staphylinus* - " 5.
14. *Staphylinus* - " 3.
15. *Staphylinus* - " 13.
16. *Staphylinus glabratus* - " 2.
17. *Staphylinus* - " 1.
18. *Staphylinus* - " 1.
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97. *Staphylinus* - " 1.
98. *Staphylinus* - " 1.
99. *Staphylinus* - " 1.
100. *Staphylinus* - " 1.

3.- <i>Sisymbrium irio</i> - wash, west side of valley	1.-
4.- <i>Eriogonum</i> ? same locality	5.-
5.- <i>Eriogonum</i> "	8.-
6.- <i>Eriogonum</i> "	4.-
7.- <i>Crucifera</i> - dry bank - dry	2.-
8.- <i>Cuscuta</i> - " "	2.-
9.- <i>Gilia</i> - " "	1.-
10.- <i>Polemoniacae</i> - sand	2.-
11.- <i>Chenopodiaceae</i> ? in sand & alkali	1.-
12.- <i>Compositae</i> - alkali sand	4.-
13.- <i>Staphanocoma</i> - sand & alkali	1.-
14.- <i>Isotria medeoloides</i> - valley - alkali sand	3.-
15.- <i>Labiate</i> - sand & alkali valley	3.-
16.- <i>Compositae</i> - alkali - mouth of spring	2.-
17.- <i>Chenopodiaceae</i> ? " "	2.-
18.- <i>Gilia</i> (?) " "	1.-
19.- <i>Compositae</i> - alkali - " "	1.-
20.- <i>Compositae</i> - alkali - " "	1.-
21.- <i>Chenopodiaceae</i> - " "	1.-
22.- <i>Polemoniacae</i> - rocky soil - " "	1.-
23.- <i>Malvaceae</i> - spring - near river -	3.-
24.- <i>Malvaceae</i> - " " "	3.-
25.- <i>Polygonum</i> - rocky soil - near camp	5.-
26.- <i>Crucifera</i> - same locality	1.-
27.- <i>Crucifera</i> - " " - low flowers	3.-

June 25. - To divide south near camp, across grass valley near south
 a Horseshoe + to camp in lower valley.
Compositae - alkali - open near camp 11.-

15	St. George	"	1.	
6	St. George	Common	1.	
7	St. George	"	2.	
8	St. George	"	2.	5/
9	St. George	"	1.	
10	St. George	"	3.	
11	St. George	St. George	1.	
12	St. George	St. George	2.	
13	St. George	"	1.	
14	St. George	"	1.	5/
15	St. George	"	1.	
16	St. George	"	2.	
17	St. George	"	3.	
18	St. George	"	1.	
19	St. George	"	1.	
20	St. George	"	5.	3
21	St. George	"	1.	4.
22	St. George	"	1.	4.
23	St. George	"	1.	10
24	St. George	"	7.	
25	St. George	"	5.	
26	St. George	"	1.	
27	St. George	"	4.	3
28	St. George	"	1.	
29	St. George	"	4.	2
30	St. George	"	6.	5/
31	St. George	"	1.	
32	St. George	"	3.	

1. *Malvastrum* - roadside - on hills

101

* *Malvastrum* - Through the dense forest & along creek for
the valley, in the same valley & by canyon & timberland.

1. *Malvastrum* - by road

2. *Malvastrum* - hillside - on hills - on road

3. *Malvastrum* - hillside - on hills - on road

4. *Malvastrum* - hillside - on hills - on road

5. *Malvastrum* - hillside - on hills - on road

6. *Malvastrum* - hillside - on hills - on road

7. *Malvastrum* - hillside - on hills - on road

8. *Malvastrum* - hillside - on hills - on road

9. *Malvastrum* - hillside - on hills - on road

10. *Malvastrum* - hillside - on hills - on road

11. *Malvastrum* - hillside - on hills - on road

12. *Malvastrum* - hillside - on hills - on road

13. *Malvastrum* - hillside - on hills - on road

14. *Malvastrum* - hillside - on hills - on road

15. *Malvastrum* - hillside - on hills - on road

16. *Malvastrum* - hillside - on hills - on road

17. *Malvastrum* - hillside - on hills - on road

18. *Malvastrum* - hillside - on hills - on road

19. *Malvastrum* - hillside - on hills - on road

20. *Malvastrum* - hillside - on hills - on road

21. *Malvastrum* - hillside - on hills - on road

22. *Malvastrum* - hillside - on hills - on road

23. *Malvastrum* - hillside - on hills - on road

24. *Malvastrum* - hillside - on hills - on road

25. *Malvastrum* - hillside - on hills - on road

26. *Malvastrum* - hillside - on hills - on road

27. *Malvastrum* - hillside - on hills - on road

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Seneca, *Tragedies*

32

3

Sept. 1896

1.		10
2.		11
3.		12
4.		13
5.		14
6.		15
7.		16
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
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25.		
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28.		
29.		
30.		

July 1st - from the lake to the river across the hills to the river and across the valley to the river.

1.		10
2.		11
3.		12
4.		13
5.		14
6.		15
7.		16
8.		17
9.		18
10.		19
11.		20
12.		21
13.		22
14.		23
15.		24
16.		25
17.		26
18.		27
19.		28
20.		29
21.		30
22.		31

10.-	Thymus	same place	2.-
11.-	Ranunculus	"	4.-
12.-	Lupinus	"	1.-
13.-	Erigeron	"	1.-
14.-	Scirpus	round hole	1.-
15.-	Scirpus	irregular hole	2.-
16.-	Helianthus	under spruce wood near same	9.-

July 29. - Same place, same place & through same place

1.-	Phacelia	bank of creek	2.-
2.-	Moss	"	1.-
3.-	Erigeron	"	1.-
4.-	Veronica	"	1.-
5.-	Scirpus	"	2.-
6.-	Silene	gravelly wash	1.-
7.-	Erigeron	same place	1.-
8.-	Sp. 1	"	3.-
9.-	Thymus	same place	1.-
10.-	Phacelia	same place, larger grassy area	1.-
11.-	Phacelia	same place	1.-
12.-	Phacelia	same place	1.-
13.-	Phacelia	same place	1.-
14.-	Phacelia	same place	1.-
15.-	Erigeron	"	1.-
16.-	Phacelia	same place	1.-
17.-	Phacelia	same place	1.-
18.-	Phacelia	same place	1.-
19.-	Phacelia	same place	1.-
20.-	Phacelia	same place	1.-

5. - <i>Gilia</i> - same locality	<i>G. macrocarpa</i>	4.
6. - <i>Polypodium</i> - "	"	5.
7. - <i>Gilia</i>	<i>G. linearis</i>	1.
8. - <i>Castilleja</i> - same locality	"	3.
8' - <i>Castilleja</i> - same	"	
9. - <i>Polypodium</i> - "	"	1.
10. - <i>Polypodium</i> - "	"	1.
11. - <i>Castilleja</i> - same locality	"	1.
12. - <i>Gilia</i> - same locality	"	1.
13. - <i>Gilia</i> - same locality	"	1.
14. - <i>Castilleja</i> - same locality	"	1.
15. - <i>Gilia</i> - same locality	"	1.
15' - <i>Gilia</i> - same locality	"	1.
16. - <i>Castilleja</i> - same locality	"	1.
17. - <i>Polypodium</i> - "	"	1.
18. - <i>Polypodium</i> - "	"	1.
19. - <i>Polypodium</i> - "	"	1.
20. - <i>Polypodium</i> - "	"	1.
21. - <i>Polypodium</i> - "	"	1.
22. - <i>Polypodium</i> - "	"	1.
23. - <i>Polypodium</i> - "	"	1.
24. - <i>Polypodium</i> - "	"	1.
25. - <i>Polypodium</i> - "	"	1.
26. - <i>Polypodium</i> - "	"	1.
27. - <i>Polypodium</i> - "	"	1.
28. - <i>Polypodium</i> - "	"	1.
29. - <i>Polypodium</i> - "	"	1.
30. - <i>Polypodium</i> - "	"	1.
31. - <i>Polypodium</i> - "	"	1.
32. - <i>Polypodium</i> - "	"	1.
33. - <i>Polypodium</i> - "	"	1.
34. - <i>Polypodium</i> - "	"	1.
35. - <i>Polypodium</i> - "	"	1.
36. - <i>Polypodium</i> - "	"	1.
37. - <i>Polypodium</i> - "	"	1.
38. - <i>Polypodium</i> - "	"	1.
39. - <i>Polypodium</i> - "	"	1.
40. - <i>Polypodium</i> - "	"	1.
41. - <i>Polypodium</i> - "	"	1.
42. - <i>Polypodium</i> - "	"	1.
43. - <i>Polypodium</i> - "	"	1.
44. - <i>Polypodium</i> - "	"	1.
45. - <i>Polypodium</i> - "	"	1.
46. - <i>Polypodium</i> - "	"	1.
47. - <i>Polypodium</i> - "	"	1.
48. - <i>Polypodium</i> - "	"	1.
49. - <i>Polypodium</i> - "	"	1.
50. - <i>Polypodium</i> - "	"	1.
51. - <i>Polypodium</i> - "	"	1.
52. - <i>Polypodium</i> - "	"	1.
53. - <i>Polypodium</i> - "	"	1.
54. - <i>Polypodium</i> - "	"	1.
55. - <i>Polypodium</i> - "	"	1.
56. - <i>Polypodium</i> - "	"	1.
57. - <i>Polypodium</i> - "	"	1.
58. - <i>Polypodium</i> - "	"	1.
59. - <i>Polypodium</i> - "	"	1.
60. - <i>Polypodium</i> - "	"	1.
61. - <i>Polypodium</i> - "	"	1.
62. - <i>Polypodium</i> - "	"	1.
63. - <i>Polypodium</i> - "	"	1.
64. - <i>Polypodium</i> - "	"	1.
65. - <i>Polypodium</i> - "	"	1.
66. - <i>Polypodium</i> - "	"	1.
67. - <i>Polypodium</i> - "	"	1.
68. - <i>Polypodium</i> - "	"	1.
69. - <i>Polypodium</i> - "	"	1.
70. - <i>Polypodium</i> - "	"	1.
71. - <i>Polypodium</i> - "	"	1.
72. - <i>Polypodium</i> - "	"	1.
73. - <i>Polypodium</i> - "	"	1.
74. - <i>Polypodium</i> - "	"	1.
75. - <i>Polypodium</i> - "	"	1.
76. - <i>Polypodium</i> - "	"	1.
77. - <i>Polypodium</i> - "	"	1.
78. - <i>Polypodium</i> - "	"	1.
79. - <i>Polypodium</i> - "	"	1.
80. - <i>Polypodium</i> - "	"	1.
81. - <i>Polypodium</i> - "	"	1.
82. - <i>Polypodium</i> - "	"	1.
83. - <i>Polypodium</i> - "	"	1.
84. - <i>Polypodium</i> - "	"	1.
85. - <i>Polypodium</i> - "	"	1.
86. - <i>Polypodium</i> - "	"	1.
87. - <i>Polypodium</i> - "	"	1.
88. - <i>Polypodium</i> - "	"	1.
89. - <i>Polypodium</i> - "	"	1.
90. - <i>Polypodium</i> - "	"	1.
91. - <i>Polypodium</i> - "	"	1.
92. - <i>Polypodium</i> - "	"	1.
93. - <i>Polypodium</i> - "	"	1.
94. - <i>Polypodium</i> - "	"	1.
95. - <i>Polypodium</i> - "	"	1.
96. - <i>Polypodium</i> - "	"	1.
97. - <i>Polypodium</i> - "	"	1.
98. - <i>Polypodium</i> - "	"	1.
99. - <i>Polypodium</i> - "	"	1.
100. - <i>Polypodium</i> - "	"	1.

33. <i>... class - ... locality</i>	40. -	5. -	21. -
34. <i>... ..</i>	10. -	22. -	22. -
35. <i>... .. moist brook bank</i>	1. -	23. -	23. -
36. <i>... .. same loc.</i>	1. -	24. -	24. -
37. <i>... ..</i>	2. -	25. -	25. -
38. <i>... .. with 2's</i>	3. -	26. -	26. -
<i>... .. on west side</i>			
<i>... .. of the</i>			
<i>July 7th & arrived</i>			
39. <i>... ..</i>	3. -	30. -	30. -
40. <i>... ..</i>	2. -	31. -	31. -
41. <i>... ..</i>	5. -	32. -	32. -
42. <i>... ..</i>	1. -	33. -	33. -
43. <i>... ..</i>	2. -	34. -	34. -
44. <i>... ..</i>	2. -	35. -	35. -
45. <i>... ..</i>	1. -	36. -	36. -
46. <i>... ..</i>	5. -	37. -	37. -
47. <i>... ..</i>	1. -	38. -	38. -
48. <i>... ..</i>	6. -	39. -	39. -
49. <i>... ..</i>	1. -	40. -	40. -
50. <i>... ..</i>	4. -	41. -	41. -
51. <i>... ..</i>	4. -	42. -	42. -
52. <i>... ..</i>	2. -	43. -	43. -
53. <i>... ..</i>	4. -	44. -	44. -
54. <i>... ..</i>	4. -	45. -	45. -
55. <i>... ..</i>	4. -	46. -	46. -
56. <i>... ..</i>	4. -	47. -	47. -
57. <i>... ..</i>	4. -	48. -	48. -
58. <i>... ..</i>	4. -	49. -	49. -
59. <i>... ..</i>	4. -	50. -	50. -
60. <i>... ..</i>	4. -	51. -	51. -
61. <i>... ..</i>	4. -	52. -	52. -
62. <i>... ..</i>	4. -	53. -	53. -
63. <i>... ..</i>	4. -	54. -	54. -
64. <i>... ..</i>	4. -	55. -	55. -
65. <i>... ..</i>	4. -	56. -	56. -
66. <i>... ..</i>	4. -	57. -	57. -
67. <i>... ..</i>	4. -	58. -	58. -
68. <i>... ..</i>	4. -	59. -	59. -
69. <i>... ..</i>	4. -	60. -	60. -
70. <i>... ..</i>	4. -	61. -	61. -
71. <i>... ..</i>	4. -	62. -	62. -
72. <i>... ..</i>	4. -	63. -	63. -
73. <i>... ..</i>	4. -	64. -	64. -
74. <i>... ..</i>	4. -	65. -	65. -
75. <i>... ..</i>	4. -	66. -	66. -
76. <i>... ..</i>	4. -	67. -	67. -
77. <i>... ..</i>	4. -	68. -	68. -
78. <i>... ..</i>	4. -	69. -	69. -
79. <i>... ..</i>	4. -	70. -	70. -
80. <i>... ..</i>	4. -	71. -	71. -
81. <i>... ..</i>	4. -	72. -	72. -
82. <i>... ..</i>	4. -	73. -	73. -
83. <i>... ..</i>	4. -	74. -	74. -
84. <i>... ..</i>	4. -	75. -	75. -
85. <i>... ..</i>	4. -	76. -	76. -
86. <i>... ..</i>	4. -	77. -	77. -
87. <i>... ..</i>	4. -	78. -	78. -
88. <i>... ..</i>	4. -	79. -	79. -
89. <i>... ..</i>	4. -	80. -	80. -
90. <i>... ..</i>	4. -	81. -	81. -
91. <i>... ..</i>	4. -	82. -	82. -
92. <i>... ..</i>	4. -	83. -	83. -
93. <i>... ..</i>	4. -	84. -	84. -
94. <i>... ..</i>	4. -	85. -	85. -
95. <i>... ..</i>	4. -	86. -	86. -
96. <i>... ..</i>	4. -	87. -	87. -
97. <i>... ..</i>	4. -	88. -	88. -
98. <i>... ..</i>	4. -	89. -	89. -
99. <i>... ..</i>	4. -	90. -	90. -
100. <i>... ..</i>	4. -	91. -	91. -
101. <i>... ..</i>	4. -	92. -	92. -
102. <i>... ..</i>	4. -	93. -	93. -
103. <i>... ..</i>	4. -	94. -	94. -
104. <i>... ..</i>	4. -	95. -	95. -
105. <i>... ..</i>	4. -	96. -	96. -
106. <i>... ..</i>	4. -	97. -	97. -
107. <i>... ..</i>	4. -	98. -	98. -
108. <i>... ..</i>	4. -	99. -	99. -
109. <i>... ..</i>	4. -	100. -	100. -
110. <i>... ..</i>	4. -	101. -	101. -
111. <i>... ..</i>	4. -	102. -	102. -
112. <i>... ..</i>	4. -	103. -	103. -
113. <i>... ..</i>	4. -	104. -	104. -
114. <i>... ..</i>	4. -	105. -	105. -
115. <i>... ..</i>	4. -	106. -	106. -
116. <i>... ..</i>	4. -	107. -	107. -
117. <i>... ..</i>	4. -	108. -	108. -
118. <i>... ..</i>	4. -	109. -	109. -
119. <i>... ..</i>	4. -	110. -	110. -
120. <i>... ..</i>	4. -	111. -	111. -
121. <i>... ..</i>	4. -	112. -	112. -
122. <i>... ..</i>	4. -	113. -	113. -
123. <i>... ..</i>	4. -	114. -	114. -
124. <i>... ..</i>	4. -	115. -	115. -
125. <i>... ..</i>	4. -	116. -	116. -
126. <i>... ..</i>	4. -	117. -	117. -
127. <i>... ..</i>	4. -	118. -	118. -
128. <i>... ..</i>	4. -	119. -	119. -
129. <i>... ..</i>	4. -	120. -	120. -
130. <i>... ..</i>	4. -	121. -	121. -
131. <i>... ..</i>	4. -	122. -	122. -
132. <i>... ..</i>	4. -	123. -	123. -
133. <i>... ..</i>	4. -	124. -	124. -
134. <i>... ..</i>	4. -	125. -	125. -
135. <i>... ..</i>	4. -	126. -	126. -
136. <i>... ..</i>	4. -	127. -	127. -
137. <i>... ..</i>	4. -	128. -	128. -
138. <i>... ..</i>	4. -	129. -	129. -
139. <i>... ..</i>	4. -	130. -	130. -
140. <i>... ..</i>	4. -	131. -	131. -
141. <i>... ..</i>	4. -	132. -	132. -
142. <i>... ..</i>	4. -	133. -	133. -
143. <i>... ..</i>	4. -	134. -	134. -
144. <i>... ..</i>	4. -	135. -	135. -
145. <i>... ..</i>	4. -	136. -	136. -
146. <i>... ..</i>	4. -	137. -	137. -
147. <i>... ..</i>	4. -	138. -	138. -
148. <i>... ..</i>	4. -	139. -	139. -
149. <i>... ..</i>	4. -	140. -	140. -
150. <i>... ..</i>	4. -	141. -	141. -
151. <i>... ..</i>	4. -	142. -	142. -
152. <i>... ..</i>	4. -	143. -	143. -
153. <i>... ..</i>	4. -	144. -	144. -
154. <i>... ..</i>	4. -	145. -	145. -
155. <i>... ..</i>	4. -	146. -	146. -
156. <i>... ..</i>	4. -	147. -	147. -
157. <i>... ..</i>	4. -	148. -	148. -
158. <i>... ..</i>	4. -	149. -	149. -
159. <i>... ..</i>	4. -	150. -	150. -
160. <i>... ..</i>	4. -	151. -	151. -
161. <i>... ..</i>	4. -	152. -	152. -
162. <i>... ..</i>	4. -	153. -	153. -
163. <i>... ..</i>	4. -	154. -	154. -
164. <i>... ..</i>	4. -	155. -	155. -
165. <i>... ..</i>	4. -	156. -	156. -
166. <i>... ..</i>	4. -	157. -	157. -
167. <i>... ..</i>	4. -	158. -	158. -
168. <i>... ..</i>	4. -	159. -	159. -
169. <i>... ..</i>	4. -	160. -	160. -
170. <i>... ..</i>	4. -	161. -	161. -
171. <i>... ..</i>	4. -	162. -	162. -
172. <i>... ..</i>	4. -	163. -	163. -
173. <i>... ..</i>	4. -	164. -	164. -
174. <i>... ..</i>	4. -	165. -	165. -
175. <i>... ..</i>	4. -	166. -	166. -
176. <i>... ..</i>	4. -	167. -	167. -
177. <i>... ..</i>	4. -	168. -	168. -
178. <i>... ..</i>	4. -	169. -	169. -
179. <i>... ..</i>	4. -	170. -	170. -
180. <i>... ..</i>	4. -	171. -	171. -
181. <i>... ..</i>	4. -	172. -	172. -
182. <i>... ..</i>	4. -	173. -	173. -
183. <i>... ..</i>	4. -	174. -	174. -
184. <i>... ..</i>	4. -	175. -	175. -
185. <i>... ..</i>	4. -	176. -	176. -
186. <i>... ..</i>	4. -	177. -	177. -
187. <i>... ..</i>	4. -	178. -	178. -
188. <i>... ..</i>	4. -	179. -	179. -
189. <i>... ..</i>	4. -	180. -	180. -
190. <i>... ..</i>	4. -	181. -	181. -
191. <i>... ..</i>	4. -	182. -	182. -
192. <i>... ..</i>	4. -	183. -	183. -
193. <i>... ..</i>	4. -	184. -	184. -
194. <i>... ..</i>	4. -	185. -	185. -
195. <i>... ..</i>	4. -	186. -	186. -
196. <i>... ..</i>	4. -	187. -	187. -
197. <i>... ..</i>	4. -	188. -	188. -
198. <i>... ..</i>	4. -	189. -	189. -
199. <i>... ..</i>	4. -	190. -	190. -
200. <i>... ..</i>	4. -	191. -	191. -
201. <i>... ..</i>	4. -	192. -	192. -
202. <i>... ..</i>	4. -	193. -	193. -
203. <i>... ..</i>	4. -	194. -	194. -
204. <i>... ..</i>	4. -	195. -	195. -
205. <i>... ..</i>	4. -	196. -	196. -
206. <i>... ..</i>	4. -	197. -	197. -
207. <i>... ..</i>	4. -	198. -	198. -
208. <i>... ..</i>	4. -	199. -	199. -
209. <i>... ..</i>	4. -	200. -	200. -
210. <i>... ..</i>	4. -	201. -	201. -
211. <i>... ..</i>	4. -	202. -	202. -
212. <i>... ..</i>	4. -	203. -	203. -
213. <i>... ..</i>	4. -	204. -	204. -
214. <i>... ..</i>	4. -	205. -	205. -
215. <i>... ..</i>	4. -	206. -	206. -
216. <i>... ..</i>	4. -	207. -	207. -
217. <i>... ..</i>	4. -	208. -	208. -
218. <i>... ..</i>	4. -	209. -	209. -
219. <i>... ..</i>	4. -	210. -	210. -
220. <i>... ..</i>	4. -	211. -	211. -
221. <i>... ..</i>	4. -	212. -	212. -
222. <i>... ..</i>	4. -	213. -	213. -
223. <i>... ..</i>	4. -	214. -	214. -
224. <i>... ..</i>	4. -	215. -	215. -
225. <i>... ..</i>	4. -	216. -	216. -
226. <i>... ..</i>	4. -	217. -	217. -
227. <i>... ..</i>	4. -	218. -	218. -
228. <i>... ..</i>	4. -	219. -	219. -
229. <i>... ..</i>	4. -	220. -	220. -
230. <i>... ..</i>	4. -	221. -	221. -
231. <i>... ..</i>	4. -	222. -	222. -
232. <i>... ..</i>	4. -	223. -	223. -
233. <i>... ..</i>	4. -	224. -	224. -
234. <i>... ..</i>	4. -	225. -	225. -
235. <i>... ..</i>	4. -	226. -	226. -
236. <i>... ..</i>	4. -	227. -	227. -
237. <i>... ..</i>	4. -	228. -	228. -
238. <i>... ..</i>	4. -	229. -	229. -
239. <i>... ..</i>	4. -	230. -	230. -
240. <i>... ..</i>	4. -	231. -	231. -
241. <i>... ..</i>	4. -	232. -	232. -
242. <i>... ..</i>	4. -	233. -	233. -
243. <i>... ..</i>	4. -	234. -	234. -
244. <i>... ..</i>	4. -	235. -	235. -
245. <i>... ..</i>	4. -	236. -	236. -
246. <i>... ..</i>	4. -	237. -	237. -
247. <i>... ..</i>	4. -	238. -	238. -
248. <i>... ..</i>	4. -	239. -	239. -
249. <i>... ..</i>	4. -	240. -	240. -
250. <i>... ..</i>	4. -	241. -	241. -
251. <i>... ..</i>	4. -	242. -	242. -
252. <i>... ..</i>	4. -	243. -	243. -
253. <i>... ..</i>	4. -	244. -	244. -
254. <i>... ..</i>	4. -	245. -	245. -
255. <i>... ..</i>	4. -	246. -	246. -
256. <i>... ..</i>	4. -	247. -	247. -
257. <i>... ..</i>	4. -	248. -	248. -
258. <i>... ..</i>	4. -	249. -	249. -
259. <i>... ..</i>	4. -	250. -	250. -
260. <i>... ..</i>	4. -	251. -	251. -
261. <i>... ..</i>	4. -	252. -	252. -
262. <i>... ..</i>	4. -	253. -	253. -
263. <i>... ..</i>	4. -	254. -	254. -
264. <i>... ..</i>	4. -	255. -	255. -
265. <i>... ..</i>	4. -	256. -	256. -
266. <i>... ..</i>	4. -	257. -	257. -
267. <i>... ..</i>	4. -	258. -	258. -
268. <i>... ..</i>	4. -	259. -	259. -
269. <i>... ..</i>	4. -	260. -	260. -
270. <i>... ..</i>	4. -	261. -	261. -
271. <i>... ..</i>	4. -	262. -	262. -
272. <i>... ..</i>	4. -	263. -	263. -
273. <i>... ..</i>	4. -	264. -	264. -
274. <i>... ..</i>	4. -	265. -	265. -
275. <i>... ..</i>	4. -	266. -	266. -
276. <i>... ..</i>	4. -	267. -	267. -
277. <i>... ..</i>	4. -	268. -	268. -
278. <i>... ..</i>	4. -	269. -	269. -
279. <i>... ..</i>	4. -	270. -	270. -
280. <i>... ..</i>	4. -	271.	

July 8 th -	4.
1. Carex -	20
2. ... -	6
3. ... -	10
4. ... -	20
5. Gay's ... -	15
6. ... -	5
7. ... -	1
8. ... -	1
9. ... -	5
10. ... -	1
11. ... -	1
12. ... -	1
13. ... -	3
14. ... -	1
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93. ... -	1
94. ... -	1
95. ... -	1
96. ... -	1
97. ... -	1
98. ... -	1
99. ... -	1
100. ... -	1

4.	<i>diffusa</i> - found beneath stone	2.-
5.	<i>terrestris</i> - common	2.-
6.	<i>maritima</i> - " Bay	1.-
7.	<i>lanceolata</i> - " Bay	2.-
8.	<i>terrestris</i> - " Bay	4.-
9.	<i>terrestris</i> - " Bay	1.-
10.	<i>terrestris</i> - " Bay	2.-
11.	<i>terrestris</i> - " Bay	2.-
12.	<i>terrestris</i> - " Bay	2.-
13.	<i>terrestris</i> - " Bay	1.-
14.	<i>terrestris</i> - " Bay	3.-
15.	<i>terrestris</i> - " Bay	1.-
16.	<i>terrestris</i> - " Bay	1.-
17.	<i>terrestris</i> - " Bay	1.-
18.	<i>terrestris</i> - " Bay	1.-
19.	<i>terrestris</i> - " Bay	1.-
20.	<i>terrestris</i> - " Bay	1.-
21.	<i>terrestris</i> - " Bay	1.-
22.	<i>terrestris</i> - " Bay	1.-
23.	<i>terrestris</i> - " Bay	1.-
24.	<i>terrestris</i> - " Bay	1.-
25.	<i>terrestris</i> - " Bay	1.-
26.	<i>terrestris</i> - " Bay	1.-
27.	<i>terrestris</i> - " Bay	1.-
28.	<i>terrestris</i> - " Bay	1.-
29.	<i>terrestris</i> - " Bay	1.-
30.	<i>terrestris</i> - " Bay	1.-
31.	<i>terrestris</i> - " Bay	1.-
32.	<i>terrestris</i> - " Bay	1.-
33.	<i>terrestris</i> - " Bay	1.-
34.	<i>terrestris</i> - " Bay	1.-
35.	<i>terrestris</i> - " Bay	1.-
36.	<i>terrestris</i> - " Bay	1.-
37.	<i>terrestris</i> - " Bay	1.-
38.	<i>terrestris</i> - " Bay	1.-
39.	<i>terrestris</i> - " Bay	1.-
40.	<i>terrestris</i> - " Bay	1.-

35. <i>Penstemon</i> - sandy alkaline meadow	5	1
36. <i>Trigonotis</i> - same bog <i>E. europ.</i>	1.	20
37. <i>Spissium</i> "	4.-	21
38. <i>Geranium</i> "	3.-	52
39. <i>Geranium</i> "	1.-	2
40. <i>Poa</i> - <i>hila</i> "	3.	2
41. <i>Grass</i> "	2.-	2
42. <i>Carex</i> " - also in water	5 + 5.	2
43. <i>Plantago</i> - meadow near diamond bog	5-	2

July 10 - Diamond Bog, same place + water, only 1/2		
July 10 - Diamond Bog, 9.12 - 9.18		
July 10 - water, diamond bog	5-	1
July 10 - same bog	4.-	
July 10 - " same bog	2.-	
July 10 - " " same bog	3.-	53
July 10 - " " same bog	3.-	
July 10 - " " same bog	5-	3
July 10 - " " same bog	1	3
July 10 - " " same bog	2-	3
July 10 - " " same bog	2.-	3
July 10 - " " same bog	2.-	40
July 10 - " " same bog	1.-	4
July 10 - " " same bog	1.	54
July 10 - " " same bog	1.-	7
July 10 - " " same bog	5.-	4
July 10 - " " same bog	3.-	54
July 10 - " " same bog	2-	
July 10 - " " same bog		
July 10 - " " same bog	2	51

3.	1. - <i>Spina</i> (?) - Dry bank	1-6	3.
1.	20. - <i>Crucifera</i> - Dry, stony, gravelly		2.
-	21. - <i>Crucifera</i> - same loc.		1.
-	22. - <i>Crucifera</i> - dry roadside - same loc.		1.
1.	23. - <i>Crucifera</i> - same loc.		1.
2.	24. - <i>Crucifera</i> - same loc.		1.
-	25. - <i>Helianthella</i> "multicaulis		5.
1.	26. - <i>Helianthella</i> "		1.
1.	27. - <i>Helianthella</i> - moist, gravelly, same loc.		1.
-	28. - <i>Helianthella</i> - same loc.		1.
-	29. - <i>Helianthella</i> - same loc.		1.
1.	30. - <i>Helianthella</i> - same loc.		1.
1.	31. - <i>Crucifera</i> - dry, gravelly, same loc.		4.
-	32. - <i>Crucifera</i> - same loc.		1.
-	33. - <i>Crucifera</i> - same loc.		1.
2.	34. - <i>Crucifera</i> - same loc.		1.
2.	35. - <i>Crucifera</i> - same loc.		2.
1.	36. - <i>Crucifera</i> - same loc.		1.
-	37. - <i>Crucifera</i> - same loc.		1.
-	38. - <i>Crucifera</i> - same loc.		1.
-	39. - <i>Crucifera</i> - same loc.		1.
-	40. - <i>Crucifera</i> - same loc.		1.
1.	41. - <i>Crucifera</i> - same loc.		1.
-	42. - <i>Crucifera</i> - same loc.		1.
-	43. - <i>Crucifera</i> - same loc.		1.
1.	44. - <i>Crucifera</i> - same loc.		1.
2.	45. - <i>Crucifera</i> - same loc.		1.
-	46. - <i>Crucifera</i> - same loc.		1.
-	47. - <i>Crucifera</i> - same loc.		1.
-	48. - <i>Crucifera</i> - same loc.		1.
-	49. - <i>Crucifera</i> - same loc.		1.
-	50. - <i>Crucifera</i> - same loc.		1.
-	51. - <i>Crucifera</i> - same loc.		1.

1. <i>... ..</i>	<i>... ..</i>	
2. <i>... ..</i>	<i>... ..</i>	5.
3. <i>... ..</i>	<i>... ..</i>	1.
4. <i>... ..</i>	<i>... ..</i>	5.
5. <i>... ..</i>	<i>... ..</i>	1.
6. <i>... ..</i>	<i>... ..</i>	3.
7. <i>... ..</i>	<i>... ..</i>	1.
8. <i>... ..</i>	<i>... ..</i>	2.
9. <i>... ..</i>	<i>... ..</i>	1.
10. <i>... ..</i>	<i>... ..</i>	1.
11. <i>... ..</i>	<i>... ..</i>	1.
12. <i>... ..</i>	<i>... ..</i>	1.
13. <i>... ..</i>	<i>... ..</i>	1.
14. <i>... ..</i>	<i>... ..</i>	1.
15. <i>... ..</i>	<i>... ..</i>	1.
16. <i>... ..</i>	<i>... ..</i>	1.
17. <i>... ..</i>	<i>... ..</i>	1.
18. <i>... ..</i>	<i>... ..</i>	1.
19. <i>... ..</i>	<i>... ..</i>	1.
20. <i>... ..</i>	<i>... ..</i>	1.
21. <i>... ..</i>	<i>... ..</i>	1.
22. <i>... ..</i>	<i>... ..</i>	1.
23. <i>... ..</i>	<i>... ..</i>	1.
24. <i>... ..</i>	<i>... ..</i>	1.
25. <i>... ..</i>	<i>... ..</i>	1.
26. <i>... ..</i>	<i>... ..</i>	1.
27. <i>... ..</i>	<i>... ..</i>	1.
28. <i>... ..</i>	<i>... ..</i>	1.
29. <i>... ..</i>	<i>... ..</i>	1.
30. <i>... ..</i>	<i>... ..</i>	1.
31. <i>... ..</i>	<i>... ..</i>	1.
32. <i>... ..</i>	<i>... ..</i>	1.
33. <i>... ..</i>	<i>... ..</i>	1.
34. <i>... ..</i>	<i>... ..</i>	1.
35. <i>... ..</i>	<i>... ..</i>	1.
36. <i>... ..</i>	<i>... ..</i>	1.
37. <i>... ..</i>	<i>... ..</i>	1.
38. <i>... ..</i>	<i>... ..</i>	1.
39. <i>... ..</i>	<i>... ..</i>	1.
40. <i>... ..</i>	<i>... ..</i>	1.
41. <i>... ..</i>	<i>... ..</i>	1.
42. <i>... ..</i>	<i>... ..</i>	1.
43. <i>... ..</i>	<i>... ..</i>	1.
44. <i>... ..</i>	<i>... ..</i>	1.
45. <i>... ..</i>	<i>... ..</i>	1.
46. <i>... ..</i>	<i>... ..</i>	1.
47. <i>... ..</i>	<i>... ..</i>	1.
48. <i>... ..</i>	<i>... ..</i>	1.
49. <i>... ..</i>	<i>... ..</i>	1.
50. <i>... ..</i>	<i>... ..</i>	1.

Comp. Hiley.

1. -	1000 - rocky canyon	2. -
2. -	1000 - soft corner	3. -
3. -	1000 - 1000 - back of camp.	11. -
4. -	1000 - 1000 - back of camp.	2. -
5. -	1000 - 1000 - back of camp.	6. -
6. -	1000 - 1000 - back of camp.	
7. -	1000 - 1000 - back of camp.	
8. -	1000 - 1000 - back of camp.	
9. -	1000 - 1000 - back of camp.	
10. -	1000 - 1000 - back of camp.	
11. -	1000 - 1000 - back of camp.	
12. -	1000 - 1000 - back of camp.	
13. -	1000 - 1000 - back of camp.	
14. -	1000 - 1000 - back of camp.	
15. -	1000 - 1000 - back of camp.	
16. -	1000 - 1000 - back of camp.	
17. -	1000 - 1000 - back of camp.	
18. -	1000 - 1000 - back of camp.	
19. -	1000 - 1000 - back of camp.	
20. -	1000 - 1000 - back of camp.	
21. -	1000 - 1000 - back of camp.	

... 4 elements in 7 parts - 4 steam.

23.	Stone	same loc	3.	52
24.	Sax. gray	"	2.	54
25.	Sandstone	on edge of rock - (1st) cliff	5.	55
26.	Castellana	stone above	2.	56
27.	Composite	radial - same loc	1.	57
28.	Composite	radial - " same find	1.	58
29.	Massive	same	1.	59
30.	Composite	massive - same loc	1.	60
31.	Composite	same loc	1.	61
32.	Sandstone		2.	62
33.	Sandstone		1.	63
34.	Composite	same loc	1.	64
35.	Composite	same loc	1.	65
36.	Composite	same loc	1.	66
37.	Composite	same loc	4.	67
38.	Composite	same loc	2.	68
39.	Composite	same loc	1.	69
40.	Composite	same loc	1.	70
41.	Composite	same loc	1.	71
42.	Composite	same loc	1.	72
43.	Composite	same loc	1.	73
44.	Composite	same loc	1.	74
45.	Composite	same loc	1.	75
46.	Composite	same loc	1.	76
47.	Composite	same loc	1.	77
48.	Composite	same loc	1.	78
49.	Composite	same loc	1.	79
50.	Composite	same loc	1.	80
51.	Composite	same loc	1.	81
52.	Composite	same loc	1.	82
53.	Composite	same loc	1.	83
54.	Composite	same loc	1.	84
55.	Composite	same loc	1.	85
56.	Composite	same loc	1.	86
57.	Composite	same loc	1.	87
58.	Composite	same loc	1.	88
59.	Composite	same loc	1.	89
60.	Composite	same loc	1.	90
61.	Composite	same loc	1.	91
62.	Composite	same loc	1.	92
63.	Composite	same loc	1.	93
64.	Composite	same loc	1.	94
65.	Composite	same loc	1.	95
66.	Composite	same loc	1.	96
67.	Composite	same loc	1.	97
68.	Composite	same loc	1.	98
69.	Composite	same loc	1.	99
70.	Composite	same loc	1.	100

52.	Trichomanes - same leaf	3.
53.	Trichomanes - on rock	3.
54.	Borreria - "	1.
55.	Trichomanes 1 1/2 - dry slope - a little	1.
56.	Conoclinium	1.
57.	Trichomanes - rocky slope	4.
58.	Trichomanes - rocky slope - same leaf	3.
59.	Reseda - "	3.
60.	Isola - "	1.
61.	Trichomanes	6.
62.	Trichomanes - same leaf	2.
63.	Conoclinium - same leaf - Trichomanes -	2.
64.	Trichomanes	1.
65.	Trichomanes - same leaf - same leaf	1.
66.	Trichomanes - same leaf	11.
67.	Trichomanes	5.
68.	Trichomanes - same leaf	7.
69.	Trichomanes - same leaf	1.
70.	Trichomanes - same leaf	1.
71.	Trichomanes - same leaf	7.
72.	Trichomanes - same leaf	3.
73.	Trichomanes - same leaf	2.
74.	Trichomanes - same leaf	2.
75.	Trichomanes - same leaf	2.
76.	Trichomanes - same leaf	2.
77.	Trichomanes - same leaf	4.
78.	Trichomanes - same leaf	1.
79.	Trichomanes - same leaf	2.
80.	Trichomanes - same leaf	4.
81.	Trichomanes - same leaf	1.
82.	Trichomanes - same leaf	4.
83.	Trichomanes - same leaf	1.
84.	Trichomanes - same leaf	1.

1-1	Pat. x stem long a	3.	
1-2	Pat. x stem long a	5.	
1-3	Pat. x stem long a	3.	
1-4	Pat. x stem long a	6.	
1-5	Pat. x stem long a	2.	
1-6	Pat. x stem long a	4.	
1-7	Pat. x stem long a	2.	
1-8	Pat. x stem long a	3.	
1-9	Pat. x stem long a	4.	
1-10	Pat. x stem long a	4.	
1-11	Pat. x stem long a	4.	
1-12	Pat. x stem long a	10.	
1-13	Pat. x stem long a	1.	
1-14	Pat. x stem long a	1.	
1-15	Pat. x stem long a	1.	
1-16	Pat. x stem long a	3.	
1-17	Pat. x stem long a	3.	
1-18	Pat. x stem long a	3.	
1-19	Pat. x stem long a	3.	
1-20	Pat. x stem long a	3.	
1-21	Pat. x stem long a	3.	
1-22	Pat. x stem long a	3.	
1-23	Pat. x stem long a	3.	
1-24	Pat. x stem long a	3.	
1-25	Pat. x stem long a	3.	
1-26	Pat. x stem long a	3.	
1-27	Pat. x stem long a	3.	
1-28	Pat. x stem long a	3.	
1-29	Pat. x stem long a	3.	
1-30	Pat. x stem long a	3.	
1-31	Pat. x stem long a	3.	
1-32	Pat. x stem long a	3.	
1-33	Pat. x stem long a	3.	
1-34	Pat. x stem long a	3.	
1-35	Pat. x stem long a	3.	
1-36	Pat. x stem long a	3.	
1-37	Pat. x stem long a	3.	
1-38	Pat. x stem long a	3.	
1-39	Pat. x stem long a	3.	
1-40	Pat. x stem long a	3.	
1-41	Pat. x stem long a	3.	
1-42	Pat. x stem long a	3.	
1-43	Pat. x stem long a	3.	
1-44	Pat. x stem long a	3.	
1-45	Pat. x stem long a	3.	
1-46	Pat. x stem long a	3.	
1-47	Pat. x stem long a	3.	
1-48	Pat. x stem long a	3.	
1-49	Pat. x stem long a	3.	
1-50	Pat. x stem long a	3.	

1.	Urtica	common	1
2.	S. rigida	common	2
3.	Eriogonum	common	1
4.	Urtica	same as above	3
5.	Saxifraga	"	2
6.	Delphinium	cañon - 15. 2000 ft	1
7.	Geranium	same as above	1
8.	Urtica	"	1
9.	Urtica	"	1
10.	Eriogonum	"	1
11.	Urtica	common	1
12.	Urtica	"	1
13.	Urtica	common	1
14.	Urtica	"	1
15.	Urtica	"	1
16.	Urtica	"	1
17.	Urtica	"	1
18.	Urtica	"	1
19.	Urtica	"	1
20.	Urtica	"	1
21.	Urtica	"	1
22.	Urtica	"	1
23.	Urtica	"	1
24.	Urtica	"	1
25.	Urtica	"	1
26.	Urtica	"	1
27.	Urtica	"	1
28.	Urtica	"	1
29.	Urtica	"	1
30.	Urtica	"	1

1.	Diogenes	same locality	2	56
2.	Composite	nearby	6	56
3.	Composite	nearby		6
4.	Stellaria			6
5.	Stellaria			
6.	Eriogonum		1	4
7.	Thalictrum	- same locality	1	
8.	Phlox	- same locality	1	1
9.	Thalictrum	- same locality		8
10.	Thalictrum	- same locality		9
11.	Claytonia		2	10
12.	Composita	near head of rain	2	11
13.	Trillium	- near stream	3	12
14.	Conium		1	13
15.	Polemonium	- on upper	3	14
16.	Hebe		11	15
17.	Penstemon		1	
18.	Draba			18
19.	Draba			
20.	Composita			20
21.	Antennaria			21
22.	Draba	- same locality		22
23.	Stellaria			23
24.	Draba			24
25.	Composita			25
26.	Composita			26
27.	Composita			27
28.	Composita			28
29.	Composita			29
30.	Composita			30
31.	Composita			31
32.	Composita			32
33.	Composita			33
34.	Composita			34
35.	Composita			35
36.	Composita			36
37.	Composita			37
38.	Composita			38
39.	Composita			39
40.	Composita			40
41.	Composita			41
42.	Composita			42
43.	Composita			43
44.	Composita			44
45.	Composita			45
46.	Composita			46
47.	Composita			47
48.	Composita			48
49.	Composita			49
50.	Composita			50
51.	Composita			51
52.	Composita			52
53.	Composita			53
54.	Composita			54
55.	Composita			55
56.	Composita			56
57.	Composita			57
58.	Composita			58
59.	Composita			59
60.	Composita			60
61.	Composita			61
62.	Composita			62
63.	Composita			63
64.	Composita			64
65.	Composita			65
66.	Composita			66
67.	Composita			67
68.	Composita			68
69.	Composita			69
70.	Composita			70
71.	Composita			71
72.	Composita			72
73.	Composita			73
74.	Composita			74
75.	Composita			75
76.	Composita			76
77.	Composita			77
78.	Composita			78
79.	Composita			79
80.	Composita			80
81.	Composita			81
82.	Composita			82
83.	Composita			83
84.	Composita			84
85.	Composita			85
86.	Composita			86
87.	Composita			87
88.	Composita			88
89.	Composita			89
90.	Composita			90
91.	Composita			91
92.	Composita			92
93.	Composita			93
94.	Composita			94
95.	Composita			95
96.	Composita			96
97.	Composita			97
98.	Composita			98
99.	Composita			99
100.	Composita			100

34 -		peak	1	3.
35 -	Horseshoed	"	1	4.
36 -	Trubellata	- yellow	5	5.
37 -	Penstemon	"	1	-
38 -	Cissampelos	"	1	7
39 -	Cnicifera	"	3	8.
40 -	Stellaria	"	1	9.
41 -	Phlox	"	1	10.
42 -	Herbertia	- below peak	1	11.
43 -	Linum	- peak	-	12
44 -	Conium	"	1	13
45 -	Conium	"	1	14
46 -	Castilleja	- near peak	1	15
47 -	Eriogonum	"	2	16
48 -	Comandra	"	1	17
49 -	Phlox	"	1	18.
50 -	Trillium	"	-	19.
51 -	Castilleja	- near peak	5	19 -
52 -	Hesperis	- near peak	1	20.
53 -	Hesperis	"	1	21.
54 -	Stragulum	"	2	22
55 -	Castilleja	- near peak	1	23.
56 -	Castilleja	- near peak	1	24
57 -	Castilleja	- near peak	1	25
58 -	Castilleja	- near peak	1	26.
59 -	Castilleja	- near peak	1	27.
60 -	Castilleja	- near peak	1	28.
61 -	Castilleja	- near peak	1	29.
62 -	Castilleja	- near peak	1	30.
63 -	Castilleja	- near peak	1	31.
64 -	Castilleja	- near peak	1	32.
65 -	Castilleja	- near peak	1	33.
66 -	Castilleja	- near peak	1	34.
67 -	Castilleja	- near peak	1	35.
68 -	Castilleja	- near peak	1	36.
69 -	Castilleja	- near peak	1	37.
70 -	Castilleja	- near peak	1	38.
71 -	Castilleja	- near peak	1	39.
72 -	Castilleja	- near peak	1	40.
73 -	Castilleja	- near peak	1	41.
74 -	Castilleja	- near peak	1	42.
75 -	Castilleja	- near peak	1	43.
76 -	Castilleja	- near peak	1	44.
77 -	Castilleja	- near peak	1	45.
78 -	Castilleja	- near peak	1	46.
79 -	Castilleja	- near peak	1	47.
80 -	Castilleja	- near peak	1	48.
81 -	Castilleja	- near peak	1	49.
82 -	Castilleja	- near peak	1	50.
83 -	Castilleja	- near peak	1	51.
84 -	Castilleja	- near peak	1	52.
85 -	Castilleja	- near peak	1	53.
86 -	Castilleja	- near peak	1	54.
87 -	Castilleja	- near peak	1	55.
88 -	Castilleja	- near peak	1	56.
89 -	Castilleja	- near peak	1	57.
90 -	Castilleja	- near peak	1	58.
91 -	Castilleja	- near peak	1	59.
92 -	Castilleja	- near peak	1	60.
93 -	Castilleja	- near peak	1	61.
94 -	Castilleja	- near peak	1	62.
95 -	Castilleja	- near peak	1	63.
96 -	Castilleja	- near peak	1	64.
97 -	Castilleja	- near peak	1	65.
98 -	Castilleja	- near peak	1	66.
99 -	Castilleja	- near peak	1	67.
100 -	Castilleja	- near peak	1	68.

3.-	Borragnaceae	same leaf	2
4.-	Compositae	"	2
5.-	Onagraceae	"	2
6.-	Melanthaceae (?)	"	2
7.-	Epilobium	"	2
8.-	Asteroid	" A. Hallii	3
9.-	Argemone	"	1
10.-	Lupinus	"	1
11.-	Astragalus	corolla R, 4	2
12.-	Astragalus	"	3
13.-	Lupinus	"	2
14.-	Helianthus	"	1
15.-	Scrophularia	meadow	7
16.-	Erace	"	1
17.-	Ericaceae	"	1
18.-	Glenn	"	2
19.-	Epilobium	"	2
20.-	Castilleja	"	1
21.-	Solidago	" S. nemoralis	1
22.-	Linum	"	1
23.-	Linum	"	1
24.-	Erigeron	" E. annuus	1
25.-	Hypericum	"	1
26.-	Alidago	"	1
27.-	Erigeron	"	3
28.-	Erigeron	"	3
29.-	Linum	"	1
30.-	Linum	"	1
31.-	Linum	"	2
32.-	Astragalus	"	1
33.-	Astragalus	"	3
34.-	Astragalus	"	1

35. Gentiana - stream bank	2	12
36. Orchid - "	2	13
37-40. Carex - "	22	14
38. Composita - "	1	15
39. Grass - standing Spring water	5	
40. Rumex - same place	1	
41. Hemlock - "	1	
42. Gentiana - stream bank	5	16
43. Gentiana - "	3	17
43. Carex - "	2	18
44. Solanum - " + S. giganteum	3	19
45. Globularia - "	2	20
46. Composita - "	1	21
46. Grasses - water		22
47. Ptilis - stream bank near T. - "		23
48. Grasses - meadow		24
49. Scrophulariaceae - "	2	25
50. Tetragonia - "	1	26
51. Grass - black creek - stream bank - "	2	27
52. Lighter thicket - same place as 51		28
53. Ranunculus - dry bank - same place as 51	2	29
54. Penstemon - same place		30
55. Ranunculus - " CA. grandiflorus		31
56. Ranunculus - mouth of canon		32
57. Ranunculus - " "		33
58. Ranunculus - " "		34
59. Ranunculus - " "		35
60. Ranunculus - same place		36
61. Ranunculus - same place		37
62. Ranunculus - same place		38
63. Ranunculus - same place		39
64. Ranunculus - same place		40
65. Ranunculus - same place		41
66. Ranunculus - same place		42
67. Ranunculus - same place		43
68. Ranunculus - same place		44
69. Ranunculus - same place		45
70. Ranunculus - same place		46
71. Ranunculus - same place		47
72. Ranunculus - same place		48
73. Ranunculus - same place		49
74. Ranunculus - same place		50

12. - Composita 1
 13. - Fern - roots 1
 14. - Chenopodium - roots in cañon 5
 89

* July 30th - Camp Ruby, W. side of cañon about 1/2 mile, to Pear.
 along inner slope & back of cañon. Herbarium -

1. - Eriogonum - back of Cherry creek - 2. 4
 2. - Epilobium - same place 1
 3. - Helianthus - same place H. 1. 2
 4. - Umbellata - Spring 10
 5. - Composita - riparian - 1
 6. - Thymus - same place 2
 7. - Thymus - same place 2
 8. - Phlox - same place 10
 9. - Chenopodium - same place 6
 10. - Thymus - same place 4
 11. - Silene - same place 5
 12. - Silene - same place 2
 13. - Ceanothus - same place 1
 14. - Ranunculus - same place (1600 ft) 5
 15. - Fern - same place 7
 16. - Ceanothus - same place 7
 17. - Castilleja - high up - 1
 18. - Castilleja - same place 1
 19. - Pinus - same place 3
 20. - Thymus - same place 2
 21. - Castilleja - same place 6
 22. - Juniper - same place 8
 23. - Achillea - same place 5
 24. - Achillea - same place 4
 25. - Achillea - same place 3
 26. - Unknown - same place 1
 27. - Epilobium - same place 1

24. *Phaullophragma* *7* *10*
 29. *Phaullophragma* *10*
 30. *Phaullophragma* *10*
 31. *Phaullophragma* *10*
 32. *Phaullophragma* *10*
 33. *Phaullophragma* *10*
 34. *Phaullophragma* *10*

1 24
 6 25
 11 26
 23 27
 17 28
 12 29
 4 30
 31
 32

August 1st - Campsite - Valley -

1. *Phaullophragma* *10*
 2. *Phaullophragma* *10*
 3. *Phaullophragma* *10*
 4. *Phaullophragma* *10*
 5. *Phaullophragma* *10*
 6. *Phaullophragma* *10*
 7. *Phaullophragma* *10*
 8. *Phaullophragma* *10*
 9. *Phaullophragma* *10*
 10. *Phaullophragma* *10*
 11. *Phaullophragma* *10*
 12. *Phaullophragma* *10*
 13. *Phaullophragma* *10*
 14. *Phaullophragma* *10*
 15. *Phaullophragma* *10*
 16. *Phaullophragma* *10*
 17. *Phaullophragma* *10*
 18. *Phaullophragma* *10*
 19. *Phaullophragma* *10*
 20. *Phaullophragma* *10*
 21. *Phaullophragma* *10*
 22. *Phaullophragma* *10*
 23. *Phaullophragma* *10*
 24. *Phaullophragma* *10*
 25. *Phaullophragma* *10*
 26. *Phaullophragma* *10*
 27. *Phaullophragma* *10*
 28. *Phaullophragma* *10*
 29. *Phaullophragma* *10*
 30. *Phaullophragma* *10*

1 33
 4 34
 5 35
 3 36
 2 37
 1 38
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 1 60

Aug. 4 - From Kila, station to Peak south of Pass

Back to station, through hills + around valley

1. Ambrosia - bushy, green - line down valley	2	14
2. Cereus sp.	3	16
3. Grasses - upper valley	3	12
4. Labiate - small - rocks head of canon	3	+ 15
5. Crucifer - same valley	2	+ 14
6. Crucifer	2	15
7. Crucifer	1	16
8. Crucifer		16
9. Crucifer	1	16
10. Crucifer		16
11. Crucifer		16
12. Crucifer		16
13. Crucifer		16
14. Crucifer		16
15. Crucifer		16
16. Crucifer		16
17. Crucifer		16
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30. Crucifer		16
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33. Crucifer		16
34. Crucifer		16
35. Crucifer		16
36. Crucifer		16
37. Crucifer		16
38. Crucifer		16
39. Crucifer		16
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41. Crucifer		16
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44. Crucifer		16
45. Crucifer		16
46. Crucifer		16
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50. Crucifer		16
51. Crucifer		16
52. Crucifer		16
53. Crucifer		16
54. Crucifer		16
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61. Crucifer		16
62. Crucifer		16
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66. Crucifer		16
67. Crucifer		16
68. Crucifer		16
69. Crucifer		16
70. Crucifer		16
71. Crucifer		16
72. Crucifer		16
73. Crucifer		16
74. Crucifer		16
75. Crucifer		16
76. Crucifer		16
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78. Crucifer		16
79. Crucifer		16
80. Crucifer		16
81. Crucifer		16
82. Crucifer		16
83. Crucifer		16
84. Crucifer		16
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86. Crucifer		16
87. Crucifer		16
88. Crucifer		16
89. Crucifer		16
90. Crucifer		16
91. Crucifer		16
92. Crucifer		16
93. Crucifer		16
94. Crucifer		16
95. Crucifer		16
96. Crucifer		16
97. Crucifer		16
98. Crucifer		16
99. Crucifer		16
100. Crucifer		16

H. installa

+ Aug 5 - Valley - same - 6100 - 4100

Aug 6 - 6100 - 4100

Aug 7 - 6100 - 4100

Long -

10.11. - 12.11. - 12.11. - 12.11.

415. - *Erin.* - - - - - *bay*

+ 14. - 6.0 - 7.0 - 8.0 - 9.0 - 10.0

15. - *Adiantum* - *monophyllum* - *var.*

16. *Perilla* - 1

20. C. ...

121. *Asperula*

22. - 1.

52. -

21. — — — — —

52. —

5. *Thalictrum*

in *Trilobites* -

Pin 7 1/2 x 3 1/2 x 3 1/2 1.00 1.17 1.11 1.17 1.64 1.94 2.08
 1 1/4 - 1 1/4 - 2 1/16 - 1 1/16 - 2 1/16 - 3 1/16 - 3 1/16 - 1/4 -

Aug 2nd

1. Aquatic - Wren-like	5.
2. Aquatic	5-
3. Aquatic	6
4. Aquatic	7
5. Aquatic	3
6. Can't	6
7. Can't	1
8. Can't	1
9. Can't	2
- 29

Aug 17th - From camp by 1, had to camp above sawmill.

1. Composite - little cage - mouth of cañon by hillside	3-
2. Composite - note near mouth of cañon, ^{brook-like} cañon	2
3. 4 - The cañon note & cañon creek	2 + 5

Aug. 18th - From sawmill, ^{by ridge & peaks of range to camp by cañon}

1. - Composite - border of cañon	4
2. - Composite - same	1
3. - Composite - white - note near cañon - the area	1
4. - Composite - same	2
5. - Composite - same	4
6. - Composite - note near cañon - note near cañon	6
7. - Composite - same	1
8. - Composite - same	3
9. - Composite - same	9
10. - Composite - same	1
11. - Composite - same	1
12. - Composite - same	1
13. - Composite - same	2
14. - Composite - same	1

5	Liliacea - same ridge, high	1	75
16	Gallium " "	3	14
16'	Phacelia " "	1	x
17	Penstemon " "	1	
18	Ceanothus - low & low	2	11
19	Ribes - growing - same ridge	1	2
20	Rhamnus - same ridge	1	3
*21	Eriogonum - near same ridge	1	4
22	Astragalus " "	7	
23	Isocorymbis - same ridge	4	6
24	Compositae - same ridge	1	7
25	Compositae - same ridge	1	12
26	Astragalus " "	1	19
27	Astragalus " "	1	
28	Penstemon " "	12	
29	Epilobium " "	1	x
30	Compositae - same ridge	3	
31	Penstemon " "	3	1
32	Senecio " "	1	11
*33	Eriogonum " "	1	11
34	Phlox " "	1	11
35	Compositae - same ridge	1	20
36	Compositae - same ridge	1	12
*37	Eriogonum - same ridge	1	21
38	Compositae - same ridge	1	
39	Penstemon - same ridge	1	1
40	Penstemon - same ridge	1	2
41	Penstemon - same ridge	1	3
42	Penstemon - same ridge	1	4
43	Penstemon - same ridge	1	5
44	Penstemon - same ridge	1	6
45	Penstemon - same ridge	1	7
46	Penstemon - same ridge	1	8
47	Penstemon - same ridge	1	9
48	Penstemon - same ridge	1	10
49	Penstemon - same ridge	1	11
50	Penstemon - same ridge	1	12
51	Penstemon - same ridge	1	13
52	Penstemon - same ridge	1	14
53	Penstemon - same ridge	1	15
54	Penstemon - same ridge	1	16
55	Penstemon - same ridge	1	17
56	Penstemon - same ridge	1	18
57	Penstemon - same ridge	1	19
58	Penstemon - same ridge	1	20
59	Penstemon - same ridge	1	21
60	Penstemon - same ridge	1	22
61	Penstemon - same ridge	1	23
62	Penstemon - same ridge	1	24
63	Penstemon - same ridge	1	25
64	Penstemon - same ridge	1	26
65	Penstemon - same ridge	1	27
66	Penstemon - same ridge	1	28
67	Penstemon - same ridge	1	29
68	Penstemon - same ridge	1	30
69	Penstemon - same ridge	1	31
70	Penstemon - same ridge	1	32
71	Penstemon - same ridge	1	33
72	Penstemon - same ridge	1	34
73	Penstemon - same ridge	1	35
74	Penstemon - same ridge	1	36
75	Penstemon - same ridge	1	37
76	Penstemon - same ridge	1	38
77	Penstemon - same ridge	1	39
78	Penstemon - same ridge	1	40
79	Penstemon - same ridge	1	41
80	Penstemon - same ridge	1	42
81	Penstemon - same ridge	1	43
82	Penstemon - same ridge	1	44
83	Penstemon - same ridge	1	45
84	Penstemon - same ridge	1	46
85	Penstemon - same ridge	1	47
86	Penstemon - same ridge	1	48
87	Penstemon - same ridge	1	49
88	Penstemon - same ridge	1	50
89	Penstemon - same ridge	1	51
90	Penstemon - same ridge	1	52
91	Penstemon - same ridge	1	53
92	Penstemon - same ridge	1	54
93	Penstemon - same ridge	1	55
94	Penstemon - same ridge	1	56
95	Penstemon - same ridge	1	57
96	Penstemon - same ridge	1	58
97	Penstemon - same ridge	1	59
98	Penstemon - same ridge	1	60
99	Penstemon - same ridge	1	61
100	Penstemon - same ridge	1	62

1.	As - - - - -	5	
2.	As - - - - -	11	
3.	Kan - - - - -	6	
11.	Scirpus - - - - -	8	
12.	Rumex - - - - -	1	
13.	Compositae - dry alkali meadow	7	
14.	Lythraea - - - - -	7	
15.	Gilia - alkali fresh	3	
16.	Grass - alkali meadow	8	
17.	Oenothera - - - - -	7	
18.	Gilia - - - - -	1	
19.	Centauria - - - - -	2	
20.	Geranium - - - - -	1	

1. - - - - - 6 -

2. - - - - - 12 -

3. - - - - - 4 -

4. - - - - - 1 -

5. - - - - - 4 -

6. - - - - - 1 -

7. - - - - - 4 -

8. - - - - - - -

9. - - - - - 1 -

10. - - - - - 1 -

11. - - - - - 1 -

12. - - - - - 1 -

13. - - - - - 1 -

14. - - - - - 1 -

15. - - - - - 1 -

16. - - - - - 1 -

17. - - - - - 1 -

18. - - - - - 1 -

19. - - - - - 1 -

20. - - - - - 1 -

10. - <i>Linum catharticum</i>	3
11. - <i>Linum catharticum</i>	6
12. - <i>Linum catharticum</i> - edge of pool - rocks	7
13. - <i>Linum catharticum</i> - under moist shade	2
14. - <i>Linum catharticum</i> - creek bank	1
15. - <i>Populus tremula</i> - stream - 11' x 6' + 20' - leaves	0

Aug. 25 - *Populus tremula* - camp - 11' x 6' + 20' - leaves
 ranch, 6, valley, 100 ft. camp, at Onondaga Creek.

1. - <i>Linum catharticum</i> - at camp - 8' - dense growth	1
2. - <i>Populus tremula</i> - " " - 21' - leaves variable	1
3. - <i>Linum catharticum</i> - " " - " " - " "	1
4. - <i>Cornus alternifolia</i> - leaves entire - serrated	2
5. - <i>Cornus alternifolia</i> - leaves entire - serrated	0
6. - <i>Solidago rigida</i>	2
7. - <i>Hebe</i> - " " - " " - " "	1
8. - <i>Linum catharticum</i> - " " - " " - " "	1
9. - <i>Populus tremula</i> - " " - " " - " "	1
10. - <i>Butyraria</i> - " " - " " - " "	1
11. - <i>Linum catharticum</i> - " " - " " - " "	1
12. - <i>Hebe</i> - " " - " " - " "	1
13. - <i>Populus tremula</i> - " " - " " - " "	1
14. - <i>Linum catharticum</i> - " " - " " - " "	1
15. - <i>Populus tremula</i> - " " - " " - " "	1
16. - <i>Linum catharticum</i> - " " - " " - " "	1
17. - <i>Populus tremula</i> - " " - " " - " "	1
18. - <i>Linum catharticum</i> - " " - " " - " "	1
19. - <i>Populus tremula</i> - " " - " " - " "	1
20. - <i>Linum catharticum</i> - " " - " " - " "	1
21. - <i>Populus tremula</i> - " " - " " - " "	1
22. - <i>Linum catharticum</i> - " " - " " - " "	1
23. - <i>Populus tremula</i> - " " - " " - " "	1
24. - <i>Linum catharticum</i> - " " - " " - " "	1
25. - <i>Populus tremula</i> - " " - " " - " "	1
26. - <i>Linum catharticum</i> - " " - " " - " "	1
27. - <i>Populus tremula</i> - " " - " " - " "	1
28. - <i>Linum catharticum</i> - " " - " " - " "	1
29. - <i>Populus tremula</i> - " " - " " - " "	1
30. - <i>Linum catharticum</i> - " " - " " - " "	1
31. - <i>Populus tremula</i> - " " - " " - " "	1
32. - <i>Linum catharticum</i> - " " - " " - " "	1
33. - <i>Populus tremula</i> - " " - " " - " "	1
34. - <i>Linum catharticum</i> - " " - " " - " "	1
35. - <i>Populus tremula</i> - " " - " " - " "	1
36. - <i>Linum catharticum</i> - " " - " " - " "	1
37. - <i>Populus tremula</i> - " " - " " - " "	1
38. - <i>Linum catharticum</i> - " " - " " - " "	1
39. - <i>Populus tremula</i> - " " - " " - " "	1
40. - <i>Linum catharticum</i> - " " - " " - " "	1
41. - <i>Populus tremula</i> - " " - " " - " "	1
42. - <i>Linum catharticum</i> - " " - " " - " "	1
43. - <i>Populus tremula</i> - " " - " " - " "	1
44. - <i>Linum catharticum</i> - " " - " " - " "	1
45. - <i>Populus tremula</i> - " " - " " - " "	1
46. - <i>Linum catharticum</i> - " " - " " - " "	1
47. - <i>Populus tremula</i> - " " - " " - " "	1
48. - <i>Linum catharticum</i> - " " - " " - " "	1
49. - <i>Populus tremula</i> - " " - " " - " "	1
50. - <i>Linum catharticum</i> - " " - " " - " "	1
51. - <i>Populus tremula</i> - " " - " " - " "	1
52. - <i>Linum catharticum</i> - " " - " " - " "	1
53. - <i>Populus tremula</i> - " " - " " - " "	1
54. - <i>Linum catharticum</i> - " " - " " - " "	1
55. - <i>Populus tremula</i> - " " - " " - " "	1
56. - <i>Linum catharticum</i> - " " - " " - " "	1
57. - <i>Populus tremula</i> - " " - " " - " "	1
58. - <i>Linum catharticum</i> - " " - " " - " "	1
59. - <i>Populus tremula</i> - " " - " " - " "	1
60. - <i>Linum catharticum</i> - " " - " " - " "	1
61. - <i>Populus tremula</i> - " " - " " - " "	1
62. - <i>Linum catharticum</i> - " " - " " - " "	1
63. - <i>Populus tremula</i> - " " - " " - " "	1
64. - <i>Linum catharticum</i> - " " - " " - " "	1
65. - <i>Populus tremula</i> - " " - " " - " "	1
66. - <i>Linum catharticum</i> - " " - " " - " "	1
67. - <i>Populus tremula</i> - " " - " " - " "	1
68. - <i>Linum catharticum</i> - " " - " " - " "	1
69. - <i>Populus tremula</i> - " " - " " - " "	1
70. - <i>Linum catharticum</i> - " " - " " - " "	1
71. - <i>Populus tremula</i> - " " - " " - " "	1
72. - <i>Linum catharticum</i> - " " - " " - " "	1
73. - <i>Populus tremula</i> - " " - " " - " "	1
74. - <i>Linum catharticum</i> - " " - " " - " "	1
75. - <i>Populus tremula</i> - " " - " " - " "	1
76. - <i>Linum catharticum</i> - " " - " " - " "	1
77. - <i>Populus tremula</i> - " " - " " - " "	1
78. - <i>Linum catharticum</i> - " " - " " - " "	1
79. - <i>Populus tremula</i> - " " - " " - " "	1
80. - <i>Linum catharticum</i> - " " - " " - " "	1
81. - <i>Populus tremula</i> - " " - " " - " "	1
82. - <i>Linum catharticum</i> - " " - " " - " "	1
83. - <i>Populus tremula</i> - " " - " " - " "	1
84. - <i>Linum catharticum</i> - " " - " " - " "	1
85. - <i>Populus tremula</i> - " " - " " - " "	1
86. - <i>Linum catharticum</i> - " " - " " - " "	1
87. - <i>Populus tremula</i> - " " - " " - " "	1
88. - <i>Linum catharticum</i> - " " - " " - " "	1
89. - <i>Populus tremula</i> - " " - " " - " "	1
90. - <i>Linum catharticum</i> - " " - " " - " "	1
91. - <i>Populus tremula</i> - " " - " " - " "	1
92. - <i>Linum catharticum</i> - " " - " " - " "	1
93. - <i>Populus tremula</i> - " " - " " - " "	1
94. - <i>Linum catharticum</i> - " " - " " - " "	1
95. - <i>Populus tremula</i> - " " - " " - " "	1
96. - <i>Linum catharticum</i> - " " - " " - " "	1
97. - <i>Populus tremula</i> - " " - " " - " "	1
98. - <i>Linum catharticum</i> - " " - " " - " "	1
99. - <i>Populus tremula</i> - " " - " " - " "	1
100. - <i>Linum catharticum</i> - " " - " " - " "	1

26	<i>Polypodium</i>	"	along	2	126
27	<i>Polypodium</i>	"	ascending	5	20
28	<i>Polypodium</i>	"	"	✓	30
29	<i>Polypodium</i>	"	in clumps	>	30

Aug. 26th - Oriskany Ranch - by stream bank & road

1	<i>Pteris</i>	along stream	"	1	12
2	<i>Pteris</i>	along stream	"	2	12
3	<i>Pteris</i>	along stream	"	3	12
4	<i>Pteris</i>	along stream	"	4	12
5	<i>Pteris</i>	along stream	"	5	12
6	<i>Pteris</i>	along stream	"	6	12
7	<i>Pteris</i>	along stream	"	7	12
8	<i>Pteris</i>	along stream	"	8	12
9	<i>Pteris</i>	along stream	"	9	12
10	<i>Pteris</i>	along stream	"	10	12
11	<i>Pteris</i>	along stream	"	11	12
12	<i>Pteris</i>	along stream	"	12	12
13	<i>Pteris</i>	along stream	"	13	12
14	<i>Pteris</i>	along stream	"	14	12
15	<i>Pteris</i>	along stream	"	15	12
16	<i>Pteris</i>	along stream	"	16	12
17	<i>Pteris</i>	along stream	"	17	12
18	<i>Pteris</i>	along stream	"	18	12
19	<i>Pteris</i>	along stream	"	19	12
20	<i>Pteris</i>	along stream	"	20	12
21	<i>Pteris</i>	along stream	"	21	12
22	<i>Pteris</i>	along stream	"	22	12
23	<i>Pteris</i>	along stream	"	23	12
24	<i>Pteris</i>	along stream	"	24	12
25	<i>Pteris</i>	along stream	"	25	12
26	<i>Pteris</i>	along stream	"	26	12
27	<i>Pteris</i>	along stream	"	27	12
28	<i>Pteris</i>	along stream	"	28	12
29	<i>Pteris</i>	along stream	"	29	12
30	<i>Pteris</i>	along stream	"	30	12
31	<i>Pteris</i>	along stream	"	31	12
32	<i>Pteris</i>	along stream	"	32	12
33	<i>Pteris</i>	along stream	"	33	12
34	<i>Pteris</i>	along stream	"	34	12
35	<i>Pteris</i>	along stream	"	35	12
36	<i>Pteris</i>	along stream	"	36	12
37	<i>Pteris</i>	along stream	"	37	12
38	<i>Pteris</i>	along stream	"	38	12
39	<i>Pteris</i>	along stream	"	39	12
40	<i>Pteris</i>	along stream	"	40	12
41	<i>Pteris</i>	along stream	"	41	12
42	<i>Pteris</i>	along stream	"	42	12
43	<i>Pteris</i>	along stream	"	43	12
44	<i>Pteris</i>	along stream	"	44	12
45	<i>Pteris</i>	along stream	"	45	12
46	<i>Pteris</i>	along stream	"	46	12
47	<i>Pteris</i>	along stream	"	47	12
48	<i>Pteris</i>	along stream	"	48	12
49	<i>Pteris</i>	along stream	"	49	12
50	<i>Pteris</i>	along stream	"	50	12

24	Surf-scapulae - 2	5
25	Surf-scapulae - 1	2
26	Surf-scapulae - 1	3
27	Surf-scapulae - 1	2
28	Surf-scapulae - 1	1
29	Surf-scapulae - 1	12
30	Surf-scapulae - 1	1
31	Surf-scapulae - 1	3
32	Surf-scapulae - 1	3
33	Surf-scapulae - 1	1
34	Surf-scapulae - 1	1
35	Surf-scapulae - 1	1
36	Surf-scapulae - 1	1
37	Surf-scapulae - 1	1
38	Surf-scapulae - 1	1
39	Surf-scapulae - 1	1
40	Surf-scapulae - 1	1
41	Surf-scapulae - 1	1
42	Surf-scapulae - 1	1
43	Surf-scapulae - 1	1
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74	Surf-scapulae - 1	1
75	Surf-scapulae - 1	1
76	Surf-scapulae - 1	1
77	Surf-scapulae - 1	1
78	Surf-scapulae - 1	1
79	Surf-scapulae - 1	1
80	Surf-scapulae - 1	1
81	Surf-scapulae - 1	1
82	Surf-scapulae - 1	1
83	Surf-scapulae - 1	1
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93	Surf-scapulae - 1	1
94	Surf-scapulae - 1	1
95	Surf-scapulae - 1	1
96	Surf-scapulae - 1	1
97	Surf-scapulae - 1	1
98	Surf-scapulae - 1	1
99	Surf-scapulae - 1	1
100	Surf-scapulae - 1	1

54

W. - l. - e. - o. - l. - b.

C.

1. The first is the

+ solus. 28th m. ad the wh. -

principles - rocks never part

• - Combination (also 1st)

E. robustum tripidum

the ... we ... slope ...

$x^2 - 2x + 1 = (x-1)^2$

x 10. ~~orange-red~~ - yellow - " "

1891

✓ f? ...

Semi-annual

✓ *... ..*

July 2nd - Virginia -

9.15 am. - Branch with leaves, 20 2 1/2
 10.15 " " " " 34 33 7 1/2 58 1/2
 10.15 " " " " 5.4135 59
 10.15 " " " " 23.121 63.7334

6.45 pm. 15.3350 = 54%
 1.00 pm. 14.3804 = 70%

3.45 13.8094 7.00 9.3914 = 64%
 " " 15.4594 " 11.7367 = 75 1/2 %
 4.45 150.4437 } = 60 1/2 %
 97.4431

3.55 13.1779 7.00 pm. 10.9373 = 43%
 " 5.2746
 " 16.1477 " " 13.7927 = 45%
 " 5.3307

July 23rd Linzey's

8.50	Bromch	10.1820	} = .099 loss = .099% leaves & traps wood
8.5	"	9.2005	
10	leaves & traps	2.7000 = 10%	
8.5	wood	11.7490	
leaves & traps	37.4000 = 10%		
wood		21.0000	

leaves & traps - leaves & traps
Bromch 30.1902 11.15 22.3527 loss = 26%

5-1.2415

10.45	leaves	19.2333	10.50	15.6714	11.00	18.6017	11.12	17.9669	leaves sum 1.00	12.4504
leaves	15.1619	wood	10.9173 = 72%							
wood		4.1109								

11.5 - Bromch 21.4311
leaves 13.0516
wood 6.8945
leaves 15.0000
wood 25.1810

100.00

4.10 Km² 19.7.55 4.27 19.2333 20m = 2 1/2 7.

4.15 " 5.1.1956 4.46 4.6567 " = 9 7.

4.20 dem² 31.7.64 4.44 33.4066 " = 4 7.

4.25 21.62

4.55 2.2.1955

4.55

23 -	Gentiana	14
24 -	Unknown	1
25 -	Epilobium	13
26 -	Thlasium	3
27 -	Epilobium	10
28 -	Claytonia	12
29 -	Claytonia	8
30 -	Saxifraga	2
31 -	Polemonium	6
32 -	Polemonium	2
33 -	Polemonium	7
34 -	Calceol	11
35 -	Polemonium	4
36 -	Rubus	3
37 -	Saxifraga	5
38 -	Epilobium	3

2-12

Aug. 11 - From Lake to head of canon by a branch, very dry		
1 -	Epilobium - 3000 ft. - 4000 ft.	1
2 -	Gentiana - 2000 ft. - 3000 ft.	4
3 -	Epilobium	2
4 -	Thlasium	1
5 -	Epilobium	1
6 -	Epilobium	1
7 -	Epilobium - 2000 ft. - 3000 ft.	
8 -	Epilobium - 2000 ft. - 3000 ft.	12
9 -	Epilobium - 2000 ft. - 3000 ft.	12
10 -	Epilobium	6
11 -	Epilobium - 2000 ft. - 3000 ft.	12
12 -	Epilobium - 2000 ft. - 3000 ft.	3
13 -	Epilobium - 2000 ft. - 3000 ft.	13
14 -	Epilobium - 2000 ft. - 3000 ft.	5
15 -	Epilobium - 2000 ft. - 3000 ft.	6

Soils.

- I. - Granite soil - Mill Station Cañon, border of station - pines & fir, Libanous, castanea, arbutus, alnus, calix, prunus, & minor plants. - May
- II. - Springy soil from springy mound in Eagle valley near head. - maple, hawthorn, ramnus, viburnum, etc. - May
- III. - Surface soil in moderately fertile sage plain near foothills & at head of Eagle valley. - sage brush & minor plants. Granite hills. May
- IV. - Very light soil, Pikes Peak, head of Eagle valley. - very sandy. Granite hills. - May
- V. - Cultivated field near head of station. Granite hills - May
- VI. - Salty, moist pasture on foot of hills south of station. - Grass, etc. - May
- VII. - Rock of hills with sparse vegetation. May

16.	-	1	
17.	-	6	
18.	-	4	
19.	-	1	
20.	-	7	
21.	-	1	
22.	-	2	

110

18th - Valley - west side of Franklin - same.

1.	Gentiana	-	meadow	9
2.	Heier	-	same bog	3
3.	Helianthus	"	multicollis	1
4.	Helianthus	"	"	1
5.	Erigeron	"	"	1
6.	Gentiana	"	"	5
7.	Kanmenculus	-	same	
8.	Carex	-	same	3
9.	Spiza	-	same	5
10.	Therid	-	"	6
11.	Galium	-	"	4
12.	Therid	-	"	1
13.	Carex	-	"	2
14.	Pom. lonic	-	semin. in fruit	12
15.	Squar	-	"	4
16.	Barb. a. a. a.	-	"	1
17.	Barb. a. a. a.	-	"	1
18.	Barb. a. a. a.	-	"	2
19.	Barb. a. a. a.	-	"	5
20.	Barb. a. a. a.	-	"	5
21.	Barb. a. a. a.	-	"	2
22.	Barb. a. a. a.	-	"	3
23.	Barb. a. a. a.	-	"	3
24.	Barb. a. a. a.	-	"	1
25.	Barb. a. a. a.	-	"	1

15. *Cor. pumila* - ...
 16. ...
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Woods

I. Castanea caryophylla -	1 chip	(452)
II. Ribes	1 "	(342)
III. Prunus	1 "	(453)
IV. Ceanothus velutinus	2 "	
V. - Arctostaphylos glabra	1 "	(379)
VI. - Albura	1 "	(377)
VII		(451)
VIII		(454)
IX Libocedrus		
X Pinus ponderosa + 2 cones		

2

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2	Plum (Red) - very good	10
22	Juniperus - "	1
23	Pinus - same - good	1

* R. S. - Lost Valley camp

1	Lichen - L. ...	1
2, 3, 4	Mosses - "	5
5	Porolithum - ...	1
6	... ..	2
7	... ..	1

Sept. 7 - ... to North ... Peak -

1	... ..	2
2	... ..	5
3	... ..	1
4	... ..	5
5	... ..	2
6	... ..	7
7	... ..	4
8	... ..	6
9	... ..	1
10	... ..	5
11	... ..	1
12	... ..	2
13	... ..	1
14	... ..	1
15	... ..	1

Sept. 8 - ... camp - ...

1	Scrophulariacea - ...	4
2	Thos - stream bank	2
3	... ..	1

5.	<i>Spiraea</i>	same place	11.
6.	<i>Spiraea</i>	same place - ridge	12.
7.	<i>Compositae</i>	same place - ridge	13.
8.	<i>Thalictrum</i>	"	14.
9.	<i>Spiraea</i>	"	15.
10.	<i>Delphinium</i>	"	16.
11.	<i>Compositae</i>	"	20.
12.	<i>Thalictrum</i>	"	21.
13.	<i>Thalictrum</i>	"	22.
14.	<i>Thalictrum</i>	"	23.

15.	<i>Thalictrum</i>	same place - ridge	24.
16.	<i>Thalictrum</i>	same place - ridge	25.
17.	<i>Thalictrum</i>	same place - ridge	26.
18.	<i>Thalictrum</i>	same place - ridge	27.
19.	<i>Thalictrum</i>	same place - ridge	28.
20.	<i>Thalictrum</i>	same place - ridge	29.
21.	<i>Thalictrum</i>	same place - ridge	30.
22.	<i>Thalictrum</i>	same place - ridge	31.
23.	<i>Thalictrum</i>	same place - ridge	32.
24.	<i>Thalictrum</i>	same place - ridge	33.
25.	<i>Thalictrum</i>	same place - ridge	34.
26.	<i>Thalictrum</i>	same place - ridge	35.
27.	<i>Thalictrum</i>	same place - ridge	36.
28.	<i>Thalictrum</i>	same place - ridge	37.
29.	<i>Thalictrum</i>	same place - ridge	38.
30.	<i>Thalictrum</i>	same place - ridge	39.
31.	<i>Thalictrum</i>	same place - ridge	40.

32.	<i>Thalictrum</i>	same place - ridge	41.
33.	<i>Thalictrum</i>	same place - ridge	42.
34.	<i>Thalictrum</i>	same place - ridge	43.
35.	<i>Thalictrum</i>	same place - ridge	44.
36.	<i>Thalictrum</i>	same place - ridge	45.
37.	<i>Thalictrum</i>	same place - ridge	46.
38.	<i>Thalictrum</i>	same place - ridge	47.
39.	<i>Thalictrum</i>	same place - ridge	48.
40.	<i>Thalictrum</i>	same place - ridge	49.
41.	<i>Thalictrum</i>	same place - ridge	50.
42.	<i>Thalictrum</i>	same place - ridge	51.
43.	<i>Thalictrum</i>	same place - ridge	52.
44.	<i>Thalictrum</i>	same place - ridge	53.
45.	<i>Thalictrum</i>	same place - ridge	54.
46.	<i>Thalictrum</i>	same place - ridge	55.
47.	<i>Thalictrum</i>	same place - ridge	56.
48.	<i>Thalictrum</i>	same place - ridge	57.
49.	<i>Thalictrum</i>	same place - ridge	58.
50.	<i>Thalictrum</i>	same place - ridge	59.
51.	<i>Thalictrum</i>	same place - ridge	60.

11.	Crucian - common	1
12.	Water snake	1
13.	Amphibian	1
14.	Amphibian	1
15.	Amphibian	1
16.	Amphibian	4
20.	Amphibian	1
21.	Amphibian	1
22.	Amphibian	3
23.	Amphibian	2
24.	Amphibian	9
25.	Amphibian	2
26.	Amphibian	1
27.	Amphibian	1
28.	Amphibian	1
29.	Amphibian	1
30.	Amphibian	1
31.	Amphibian	1
32.	Amphibian	1
33.	Amphibian	1
34.	Amphibian	1
35.	Amphibian	1
36.	Amphibian	1
37.	Amphibian	1
38.	Amphibian	1
39.	Amphibian	1
40.	Amphibian	1
41.	Amphibian	1
42.	Amphibian	1
43.	Amphibian	1
44.	Amphibian	1
45.	Amphibian	1
46.	Amphibian	1
47.	Amphibian	1
48.	Amphibian	1
49.	Amphibian	1
50.	Amphibian	1
51.	Amphibian	1
52.	Amphibian	1
53.	Amphibian	1
54.	Amphibian	1
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77.	Amphibian	1
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90.	Amphibian	1
91.	Amphibian	1
92.	Amphibian	1
93.	Amphibian	1
94.	Amphibian	1
95.	Amphibian	1
96.	Amphibian	1
97.	Amphibian	1
98.	Amphibian	1
99.	Amphibian	1
100.	Amphibian	1

114

11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

18. -	Tricia	in rocks - same loc.	2	
19. -	Tricia	more E. loc.	2	
20. -	Tricia	" "	5	
21. -	Polygona	minima	5	
22. -	Serpentaria	same loc. - minima	5	
23. -	Tricia	" "	5	
24. -	Tricia	" "	5	
25. -	Tricia	" "	5	
26. -	Tricia	" "	5	
27. -	Tricia	" "	5	
28. -	Tricia	" "	5	
29. -	Tricia	" "	5	
30. -	Tricia	" "	5	
31. -	Tricia	" "	5	
32. -	Tricia	" "	5	
33. -	Tricia	" "	5	
34. -	Tricia	" "	5	
35. -	Tricia	" "	5	
36. -	Tricia	" "	5	
37. -	Tricia	" "	5	
38. -	Tricia	" "	5	
39. -	Tricia	" "	5	
40. -	Tricia	" "	5	
41. -	Tricia	" "	5	
42. -	Tricia	" "	5	
43. -	Tricia	" "	5	
44. -	Tricia	" "	5	
45. -	Tricia	" "	5	
46. -	Tricia	" "	5	
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48. -	Tricia	" "	5	
49. -	Tricia	" "	5	
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96. -	Tricia	" "	5	
97. -	Tricia	" "	5	
98. -	Tricia	" "	5	
99. -	Tricia	" "	5	
100. -	Tricia	" "	5	

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x

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List of Cryptogamic specimens. -

Collected by Emm Watson.

U.S.G.E.

1. Moss. - July 20th 1897. - Dry Mountain Rocks. - Geod. Stat. I. - In fruit.
Frequent upon rocks in this section.
2. Moss. - Aug. 11 1897. - Dry Rocks on border of hot springs. In fruit.
3. Moss. - Aug. 11th 1897. - In same situation as last.
4. Aquatic Moss. - Aug. 16th 1897. - In wet cañon stream bed. - Geod. Stat. II.
Now found in fruit.
5. Moss. - On dry rock in same cañon. Aug. 17th 1897. In fruit.
6. Moss. - Aug. 17th 1897. - On shaded wet bank in same cañon, high up the mountain. Young.
7. Lichen. - Aug. 17th 1897. On juniper tree, mountain summit.
Geod. Station II. Abundant in California.
8. Liverwort. - Aug. 20th 1897. - Moist sandy bottom of Truckee river. Camp 12. -
(July 26th)
Appears soon after the water's retreating. Now apparently mature, but no fructification apparent. Upper surface of ground more or less honeycombed, the cavities in some specimens having a central stipe, not exact. Sometimes becoming light purple.
9. Alga. - Aug. 20th 1897. - Truckee River. - Camp 12.
10. Alga. - Aug. 20th 1897. - Truckee River. - Camp 12. - In border of the stream with the last.

*Pisidia
cryptogamica?*

11. *Conferva*. (?) - Aug. 11th 1867. - Traces of a thick, short, deep green growth upon the bottom of several of the hot springs in the Hot Spring Mts. -
12. *Fungus*. - Aug. 29th 1867. - Sage Plain, of Humboldt River, above Fordlock's Station. - Large & very long stipes (8-15') stipes clothed with long scales. Spores abundant, cinnamon color, borne between the sides of the hemispherical cap-shaped head. Original color whitish - now covered by spores.
13. *Fungus*. - Aug. 31st 1867. - Throat bank of mountain stream in cañon of R. Humboldt Mts, east of Camp 17. - ^{Cartilaginous disk, erect} Circular, nearly flat, rim slightly raised & edged with long hairs. Color, bright vermilion. $\frac{3}{4}$ " - $\frac{1}{2}$ " in diam. Single specimen.
14. *Fungus*. - Aug. 31st 1867. - On same stream with the last, but in different locality, and very much resembling it. Rim more raised & curled, & with a wider border of short hairs. - Also some *Trichia* imbricaria, & *Trichia* *Trichia*.
15. *Moss*. - Aug. 31st 1867. - From east crevice in rocks of same cañon, near top of mountain. Probably same as (2). -
16. *Moss*. - Aug. 31st 1867. - With the last.
17. *Moss*. - Aug. 31st 1867. - With the last.
18. *Moss*. - Aug. 31st 1867. - With the last.
19. *Moss*. - Aug. 31st 1867. - With the last.
20. *Moss*. - Aug. 31st 1867. - With the last. - Perhaps two species. -
21. } *Mosses*. - Aug. 31st 1867. - Wet shaded bank of mountain stream. On the
 22. } same cañon as the preceding. -
23. *Moss*. - Aug. 31st 1867. - Same locality as last. Partially growing in the water. Probably embraces two species. -

824. Moss. - Aug. 31st 1867. - Near same locality as last. -
825. Moss. - Aug. 31st 1867. - " " " " "
826. Moss. - Aug. 31st 1867. - " " " " "
827. Moss. - Sept. 15th 1867. - Same place as last. -
828. Moss. - Sept. 15th 1867. - " " " " "
829. Moss. - Sept. 15th 1867. - " " " " "
830. Moss. - Sept. 15th 1867. - " " " " "
831. Mosses. - Sept. 15th 1867. - " " " " "
832. Mosses. - Sept. 15th 1867. - Bismarck River. -
833. Fungus. - Aug. 21st 1867. - A cartilaginous, cup & saucer shaped fungus, sessile - $\frac{1}{2}$ in diam. by $\frac{1}{4}$ deep, with crenate margin. The surface is smooth or finely reticulate without - a yellowish white color. Moist shaded earth in garden near the house. - Specimen in alcohol.
834. Mosses. - Collection from limestone rocks in Willow Creek Cañon, on the creek. Sept. 26th 1867. -
835. Moss. - Oct. 10th 1867. - Bank of the Bismarck River.
836. Hepaticae. - Oct. 10th 1867. - A small, leafy, branched, with a spatulate margin. -

X 37. - Moes - "Barbula

- Emerson's Hill west of Tyrannosaurus - x 100. 1. 1872.

Geological Notes. -

Oct. 17th - Antelope Hills. - Hill station 12 - south of Wilson Springs - limestone beds trend N 25° E.

Dip 45° E. W. 1)

Oct. 22nd - limestone ridge near Mammucia Peak trends S. 55° W. - dip nearly vertical.

" 23rd - " " n. of table land - N 10° E. - dip to W. nearly vertical, dip of table land

14° to south - dark brown micaceous lava. Infusorial deposits on edge of

buff soil table land. Next ridge W. well marked by parallel ^{low} ridges N 25° E, dip 30° W.

of next ridge - 1st ridge - N 45° E - N 47° E. dip 60° to NW. very much eroded.

2nd - N 30° E - dip 47° to NW.

3rd - S 45° E - cleavage N 75° E. - dip 30° S. W. with quartz veins (prominent)

4th - N 20° E - dip 45° to W. - slaty structure.

5th - N 40° E - dip 40° to NW

N 10° E 60° E S E

N 20° E 50° E NW, quartz veins - specimens

6th - N 25° E. dip 45° to NW. - specimens (1, 2, 3)

limestone near table land - N 10° E.

Oct. 24. - bending mt. limestone - 1st ridge N 30° E - dip about 60° to NW. as before

" 25th - Eugene Peak. - limestone ridge to right of main E. cañon. N 55° E - dip 30°

factor in a cross section in secondary ridge. - fault N 30° E - dip 60° to NW

specimens (11)

Nov. 30 - The Ingersoll mine - Ariz. - Ore averages 400 parts silver - over 50% of metal found, lead & antimony. Antimony 5% - ore partly in smelting & after smelting by calcination - 300 to 500 lbs. per sack. Discharge from cupelling furnace employed as flux. Charcoal used in smelting - gasifier used in cupelling - a gas burner in boiler room & in calcining. 15 tons smelted per day, using 300 bushels charcoal, costing 50 cents per bushel - wood costs 15-18 per cord. Safe blast 16 per day per engine & same for calcining furnace. Heavy ore of specimens richest in lead & in silver - big crystals & light ore richest in antimony.

Nov. 15 - In plain above Mammucia Spring - outcrop of slate, also in valley north, dip nearly vertical. Patches of in soil hills near.

Value of weights, used with scales furnished

Grams.

1 oz. =	37.2193	grammes
1/2 "	18.6094	"
1/4 "	9.3047	"
1/8 "	4.6665	"
1/16 "	4.6665	"
1/32 "	4.6665	"
1/64 "	4.6665	"
1/128 "	4.6665	"
1/256 "	4.6665	"
1/512 "	4.6665	"
1/1024 "	4.6665	"
1/2048 "	4.6665	"
1/4096 "	4.6665	"
1/8192 "	4.6665	"
1/16384 "	4.6665	"
1/32768 "	4.6665	"
1/65536 "	4.6665	"
1/131072 "	4.6665	"
1/262144 "	4.6665	"
1/524288 "	4.6665	"
1/1048576 "	4.6665	"
1/2097152 "	4.6665	"
1/4194304 "	4.6665	"
1/8388608 "	4.6665	"
1/16777216 "	4.6665	"
1/33554432 "	4.6665	"
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1/268435456 "	4.6665	"
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1/4294967296 "	4.6665	"
1/8589934592 "	4.6665	"
1/17179869184 "	4.6665	"
1/34359738368 "	4.6665	"
1/68719476736 "	4.6665	"
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450/15
30 32

- ↓ Juniper, 12' = 250 rips June 29
- ↓ Oak or Cedar 10' = 110 rips
- ↓ The other branches - July 20
- ↓ White Oak 2' = 100 rips
- ↓ Redwood 10'
- ↓ Pines 10'
- ↓ Spruce " 20' + 20'