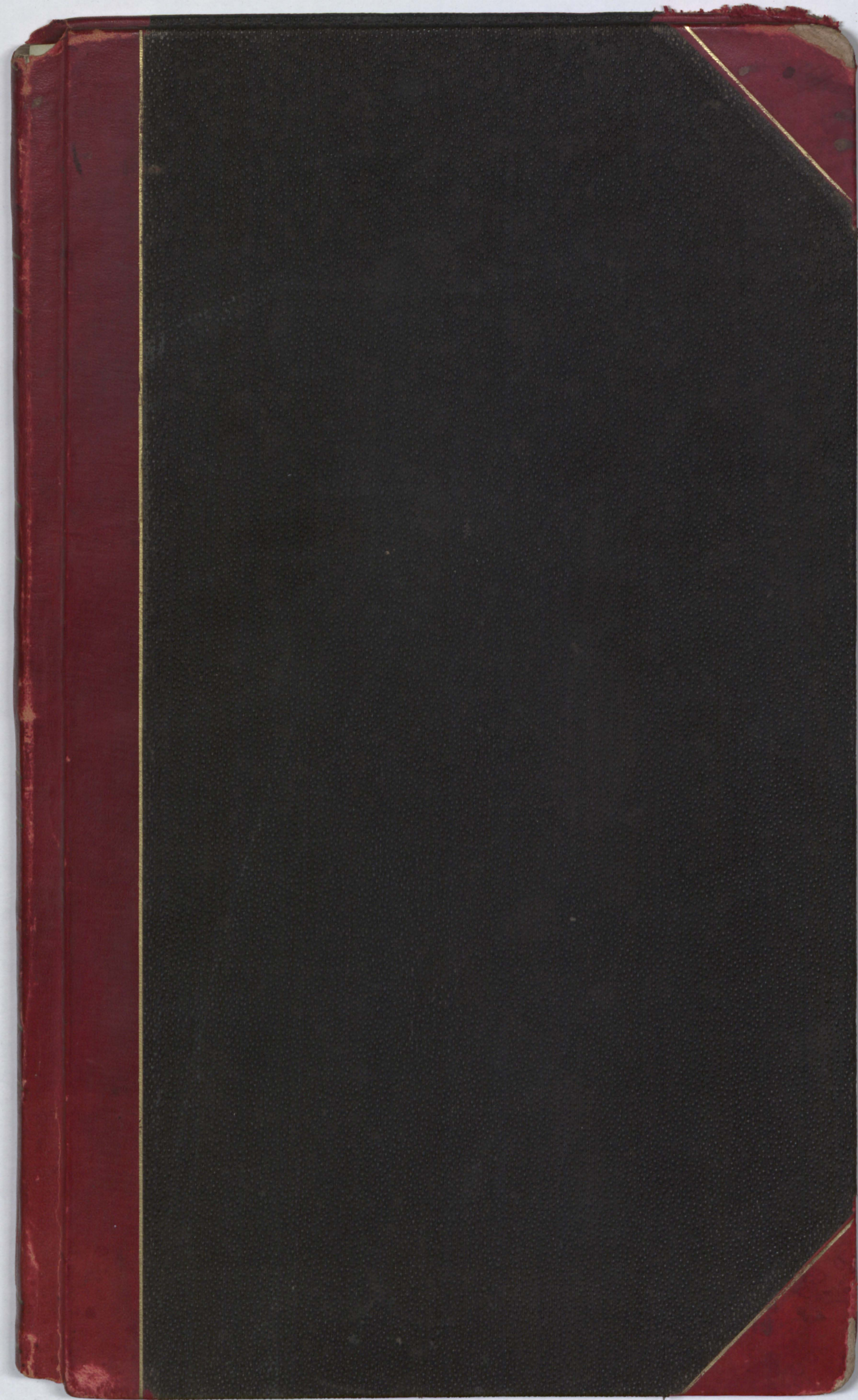






20
April

1
2
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45
80

80¢

Yel College

1903

No.	Date	Name	Stage	Locality	Collector	Page empty
53	7-16		Larva	Spring Canon	C. P. G.	6-4-04
54	7-16		"	" "	" "	
55	7-18		Pupa	Fort Collins	S. A. J.	8-18
56	7-23		"	"	"	
57	7-23		Larva	"	"	
58	7-25		"	"	C. P. G.	7-19
59	8-18		"	"	J. C. B.	
60	8-18		"	"	S. A. J.	5-1-05
61	11-30		"	Boulder, Colo.	F. A. Fair.	
62	12-20	Trypeta	"	Fort Collins	S. A. J.	5-14-04

1903.

3

Remarks.

4
wild geranium.

wild raspberry.

parasitized red plant lice. Four parasites 7-21. Two found dead 8-18.

lots of wasps in bank at brickyard. The young were fed upon
nymphs of grasshoppers. The nests were formed and the opening
the tunnel plugged with twisted stems of dried grass or weeds.

larvae found in abundance on Canada thistle. In pupation 7-25.
imago on 7-21. 8-3.

larvae found on low growing weed.

Dipterous larvae crawling on table, probably parasitic on grasshoppers

found on sidewalk. In pupation 8-19.

4
+ borers in Blackberry stems sent by Mr. Fair for determination. Stems
placed in flower pot in insectary.

4
larvae on goldenrod of Trypeta. To breed parasites. Imago and one parasite
taken 4-7-04. Another parasite 4-16-04. Imago 4-28-04.

1904

No.	Date	Name	Stage	Locality	Collector	Cage Empt
1.	4/5	<i>Agunia architecta</i>	Cocoons.	Some cells found in railroad tracks south of college this in similar location west of Fort Collins.	C. R. J.	7-19.
2	4-4		Larva	Fort Collins Brick yard one mile east	S. C. J.	8-26
3	4-4		Do.	Do.	Do.	
4	4-4		Do	Do	Do	8-26
5	4-4		Do	Do	Do	8-26
6	4-4		Do	Do	Do	8-26
7			Pupae	Lat in R. R. Track So. College Farm.	C. R. J.	8-26
8			Do.	Do.	Do.	8-26
9	4/25		Egg	Gravyard	S. C. J.	5-9.
10	4/29		Pupa	Domestic Science Building	Miss Hinkle	7-19

1904

Remarks.

These were found in old holes of *Anthophora occidentalis*.
One adult *Agrotis archips* emerged V-7. Ditto 2 on V-27.

Pupa cases and nests of wasps dug from the banks. The nests were made two or three inches in the bank. One emerged VI-1. Another VI-17. This is another species and appears to be the same as the one bred from nests containing the crickets in Denver. Another adult 7-2. Parasitic fly 7-11.

Same as above. Four pupariae were taken from the same nest. One adult 6-25. Another 7-5. Another 7-11.

Ditto. Two cells from the same nest. Remains were found of both the tree crickets and grass hoppers. One adult 6-30. Parasitic fly 7-11.

Ditto. Two cells.

Ditto. Two cells. Parasitic fly 7-11.

Pupae of what appears to be a Dipterous parasite taken from nests of same species as is in nos. 2-6. Chrysid parasite emerged VI-1. One Diptera 7-13. Another 7-22.

Same as 7. One *Trypeta* fly. The pupa of this was put in this cage by mistake. Chrysid emerged VI-1. *Anthophora occidentalis* 7-1-04. Diptera 7-11. Another 7-13. Another 8-8.

Syrphus fly eggs found in a graft of Box Elder Aphids. 4-29-04 Found one egg has hatched. Larva, probably 24 hrs. old, feeding on aphids. 5-9-04. Larva grew to maturity and escaped.

Pupa of moth dug from earth. One imago emerged 6-13.

1904

No.	Date	Name	Stage	Locality	Collector.	Case Empty
11	5-31		Larva and pupa	Antlers, Colo.	C. C. Miller	III-21-05
12	6-1		Larva	Ft. Collins	C. P. G.	8-26
13	6-1		"	"	"	
14	6-1		"	"	"	6-9.
15	6-4		Larva	"	W. A. P.	7-19
16	6-4		"	"	C. P. G.	7-19
17	Nov. 30 1903		Larva		F. A. Fair, Boulder, Colo.	8-26
18	6-6		Larva	Antlers, Colo.	C. C. Miller	5-24-05
18a-	Maggots taken from swollen nodes 8-14. 7-4, one fly.					
19		Lady beetle <i>Harmonia picta</i>	Larva	Ft. Collins.	C. P. G.	6-16.
20	6-7	Syrphus fly	Larva	"	DO.	5-7-05

1904.

7

Remarks.

This species is found living in the pods of dutchman's breeches (*Corydalis aurea*). The maggot subsists on the young ovaries in the seed pod.
One imago 6-23.

Leaf roller, on gooseberry.

Same as 12. In pupation 6-17. Imago 6-23.

Black headed larvae in gooseberries. Larvae left decaying berries but failed to feed on leaves. Both dead 6-9.

Larva found feeding on the leaves of spruce. 6-6 the larvae have mined in the leaves. See notes, - 7.4.04. Several moths in cage. Am 7-6. Another 7-9.

Leaf miners in leaves of sugar beets.

Blackberry roots infested with larva. Insect appears to be full fed 6-5-04.

Same as 15. 11. Thawpers. One fly emerged 7-1. Another 7-4.

Taken feeding on eggs and young lice of *Chermes* on Douglas spruce. June 6-04. Drawing by Miss Palmer. In cage the beetle also ate eggs and lice of *Chermes abietis*, and box elder lice. See description, B.P. 3. In pupation 6-8-a.m. Two imagos 6-16-04. The species is *Harmonia picta*.

Syrphus fly larvae feeding on eggs of *Chermes Colorado*.

1904

No.	Date	Name	Stage	Locality	Collector	Age Empty
21	6-8	Wireworm	Larva	Elbert Colo	C. P. S	
22	"	"	"	"	"	
23	"	"	"	"	"	II. J. 05
24	"	"	"	"	"	
25	"	"	"	"	"	7-12
26	"	"	"	"	"	7-12
27	"	"	"	"	"	7-12
28	6-13	Wagtails on gooseberry	Larva	Fort Collins, Colo.	C. R. Jones	8-26
29	6-13 6-18	Geometrid "	" "	" "	" "	7-12
30	6-13	Sawfly	"	"	"	6-7.05

1904

Remarks.

Wire worm on potato.

Same as 21.

Same as 21. Larvae found to be dead.

Wire worms on wheat. Four species, at least

Same as 24. Specimens preserved in formalin 7-12.

Same as 24. Specimens preserved in formalin 7-12.

Same as 24. Specimens preserved in formalin 7-12. One adult found dead
J. 27-05.

Maggots in gooseberries. See notes by C. P. G. One adult moth of gonger
found dead J-27-05.

Spotted larva.

" " added to breeding cage 29 6/18. Taken on gooseberry
plants.

On 7-9.

On gooseberries.

1904

No	Date	Name	Stage	Locality	Collector	Egg Empty
31	6-16		Larva	Ft. Collins	S. A. J.	7-7-04
32	6/18		Larva	Rist Canon	C. R. J.	I-21-05
33	6/18		Larva	Rist Canon	C. R. Jones	II-21-05
34	6/18		Larva	Rist Canon	" "	
35	6-18		Larva	"	"	
36	6-18		"	"	"	5-10-05
37	6-18		"	College farm	"	5-24-05
38	6-18		"	"	"	
39	6-18		"	Rist Canon	"	5-24-05
40	6-17		Larva	Ft Collins	S. A. J.	

Remarks.

Fruit gopher on *Ribes aureum*. Seen by E. P. G. who believes it the same as described from gooseberry, but patches on anal segment and one preceding are lighter. Adult 7-7.

Cage empty 7-7-04.

Tent caterpillar taken on side hill Rist Canyon on deer bush. Dead moths and empty cocoons found in the cage I-21-05.

Green worm taken in low bush.

Lithophane sp.? Worm went into pupation but pupa died.

Taken on a low composite bush.

eleven larva and all pupated.

Adults 6-24. These prove to be *Enia scripta*.

Black headed fruit gopher on wild gooseberry. One adult sawfly emerged 6-23. One parasite 7-7. Another 7-10.

Brown headed fruit gopher on wild gooseberry.

Brown headed fruit gopher on gooseberry. - 7-4-04. Cocoons found about sides and bottom of cage. Larvae evidently go to ground to pupate. Cocoons loose but fairly heavy. ~~One~~ ^{Three} adult moths found dead in cage 3-27-05. Four on 4-8-05.

Black headed fruit gopher on gooseberry. Parasite 7-4.

One adult moth found dead in cage 3-27-05. One on 4-8-05.

Fruit gopher on *Ribes aureum*. One adult found dead on 4-8-05.

Miners in leaves of sugar beets. One adult 7-6. Another 7-7. Another 7-11. Another 7-22.

1904

No	Date	Name	Stage	Locality	Collector	Page Empty
41	6-21		Larva	Lowland	J. A. J.	
42	6-21		"	"	"	8-26
43	6-21		"	"	"	
44	6-22		"	Fort Collins	"	8-26
45	6-25		"	" "	C. R. J.	
46	6-25		"	"	"	5-30.05
47	6-28			Rifle, Colo	L. P. G.	6-7.05
48	6-22			"	"	
49	July 1.	Scales and Coccinellids,	all	Canon G. Colo.	C. R. J.	8-26
50	7.5.04	Black Aphids on Black locust		College campus	C. R. J.	

1904.

Remarks.

Miners in the leaves of young sugar beets.

Larva of miner in leaf of lamb's quarters. ~~Four brown flea beetles 7-6.~~

Larvae of miners in leaves of yellow dock. Four brown flea beetles 7-6. Seven more 7-7. Six on 7-8. Two on 7-9.

Dipterous larvae in mushroom. Three adults 7-8. Eight 7-12. Two species at least.

3 Spotted Larva taken on gooseberry bushes.
July 2: Larvae all dead and thrown out. Fresh ones gathered and put in cage. (C. P. P.)
One adult Lepidoptera 8-12.

Waggots on gooseberry. Three cages. Parasite found dead in cage 1-5-05.

Gooseberries and currants infested with larvae.

Leaf miners & galls on greasewood leaves.

From large apple tree. Very numerous on trunk and large branches.
Six adults 7-18.

Very abundant on new growth of leaves and tender stems causing both to curl.
8-30-04 Two adult Lepidoptera, larvae probably fed on the aphids.

1904

No	Date	Name	Stage	Locality	Collector	Cage Empty
51	7-24	Plant lice	...	College garden	C.P.G.	
52	6-25	Leaf folder on boxelder	Pupa	Delta, Colo.	C.P.G.	8-26
53	7-19	Radish insect	larva	Ft. Collins	C.P.G.	
54	7-19	Radish insect	larva	Ft. Collins	C.P.G.	
55	7-21	Black current bore	larva	Ft. Collins	G.O.W.	
56	7-21	Leaf miners on Iowa	larva	Ft. Collins	C.P.G.	
57	7-21	Leaf miners on lamb's quarters	larva	Ft. Collins	C.P.G.	
58	8-10	Webworms on sugar beets	larva	Ft. Collins	C.P.G.	
59	8-11	Syrphus fly larva feeding on wooly aphid	larva	Ft. Collins	G.O. Weldon	
60	8-17	Greeley, Colo.	"	Greeley, Colo.	J.B.G.	

1904

Remarks

On tender stems and new leaves of tame gooseberry.

Very destructive to foliage, several trees are in a dying condition apparently from the attacks of this insect. Mr. H. E. Mothamer says the insect actually kills the trees. It is abundant at Paoia also. C. H. G.
July 12. - 4 moths, in cage, 2 dead.

8-2 One adult, 8-8 one adult.

8-2 Two adults.

8-12 Two adult diptera.

Quite plentiful on trees where aphids are abundant, going in among the colonies and feeding on the larva.
8-20 Two adults. 8-23 another.

Larvae of leaf miners found in considerable numbers on sugar beets.
Mostly in pupation 5-20. 11-25 four dead flies were taken from the cage.

1904

No	Date	Name	Stage	Locality	Collector	Case Entry
61	8-24	<i>Mamestra trifolia</i> (?)	Larva	R. Ford, S.H. C.	C.P.G.	
62	8-20		Galls.	Manitou	C.P.G.	II-3-05
63	8-20		Galls.	Manitou	C.P.G.	
64	8-19	<i>Peridroma saucia</i>	Larva	Rockyford	C.P.G.	
65	8-22 8-25	<i>Lox. sticticalis</i>	Larvae and Pupae.	Wellington	{ C.P.G. S.A.G.	
66	8-26		Larvae	Waybell	S.A.G.	
67	8-22	<i>Loxostege sticticalis</i>	..	Wellington, Cal.	S.P.G.	
68	8-24	" "	"	"	"	
69	8-17	<i>Vanessa cardui</i> ?	..	Grubbs, Colo.	S.A.G.	
70	8-25	<i>Mamestra trifolia</i> (?)	"	Wellington	"	

Sep. 27. 04

1904

Remarks.

Larva found occasionally on beet tops. See description and Ac. Col. 8-24-04
9-10-04 One moth, 9-17-04, 1 moth, not like first.

Acraspis galls on redbud leaves. Common. pupae in some.
Three adult insects found dead in cage 11-25-04. Mounted
insects and galls. No adults emerged since the last record.

Minute galls on oak leaves.

Cutworm from beneath bunches of alfalfa hay in field. Common.
Aug. 26. One pupa. Sep. 13, 1 moth, 9-17-04, 1 moth. - 9-19, three moths. Sep. 20, 1 moth

Silken tubes of larvae from beet field. Most have larvae. (19/20)
Sep. 5. - 3 moths and 1 parasite taken from cage (C. 122). 9-5. One moth and 2 parasites.
Sep. 8. 1 moth and 1 par. - 9-9. 1 moth and 4 par. Sep. 12. One female moth. Sep. 13.
one parasite, another special. - 9-15-04, One black-winged and 2 clear-winged parasites. - 9-17-04, 1 clear-winged
parasite. - 9-17-04, One moth. Sep. 23-04 - 9-26-04, One ♀ *Agathis vulgaris*. 9-28-04, another parasite.
10-10-04, Opened 4 tubes, all contained larvae. C. 122. Oct. 17, 04, one moth.

Larvae found webbing stems of rubber plants. The worms web numbers of
stems together. Most of the larvae have gone into pupation at this
date, the pupae being formed in the silken tubes within the cluster.

Are full fed and spinning cocoons 8-26. - 9-19-04, Three moths hatched
since 9-17. C. 122 - 9-20-04. one moth.

Larvae taken from tubes in ground 8-24.

Larvae found on hollyhock the hairs of which they had webbed up and
eaten. All in pupation 8-26 - Most of the pupae failed to mature
but one partly emerged from which we were able to determine
that the species is probably *Nannus cardui*.

Larvae found on sugar beets. 9-19- 1 moth hatched since 9-17. C. 122. *Mamestra trifolii* (?)
9-28-04 one parasite.

1904

No	Date	Name	Stage	Locality	Collector	Cage Empty
71	Aug. 31	<i>Loxostege sticticalis</i>	larva	FT. C.	C. P. G.	
72	Sep. 10	<i>Laph. flavimaculata</i>	larva	FT. C.	C. P. G.	
73	Sep. 17	<i>Loxostege sticticalis</i>	Larva	FT. Collins	S. A. J.	
74	Sep. 17	"	"	"	S. A. J.	
75	" 24	<i>Cup. cucumeris</i> (?)	larva	"	C. P. G.	
76	Sep. 30	<i>Car. exigua</i>	"	Calif.	E. S. G. Titus	
77	Oct.	"	"	Denver, Colo.	Wilson	Nov.
78	Dec. 20	"	"	Fort Collins, Colo.	S. A. J.	

1904

Remarks.

Larvae that hatched from eggs last night. Pupae in cage are but lower.
 9-3: One larva has moulted, 3 have not. Color of moulted larva dark brown - see card notes. ~~9-7~~
~~9-7 One moult and 1 parasite. 9-8 One moult and 1 parasite. 9-16. Feeding voraciously now.~~
 two larvae nearly grown - $\frac{32}{33}$ in. long; one only $\frac{11}{24}$ 9-19-04, one larva has disappeared from lower. 9-21. Three
 larvae have disappeared, only one left. 9-23. Worms have all disappeared.

Picked up on sidewalk this a.m.

Larvae taken from tubes of *Lox.* in beet field 9 mi. N. of town, and put in boxes
 Oct. 7, two pupae, no tubes have been formed. ~~Oct. 15, three pupae. Oct. 24, 4 pupae, Nov. 7, 5 pupae.~~

Tubes taken by Mr. Johnson 7 mi. north of town today. 2-16-05, opened sack
 and found 4 living maggots inside. ~~Oct. 7.~~

White larvae eating into potatoes, also a dipterous larva in some. ~~Some~~
 Imagos from 10-10 to 10-20. Sips have been labeled 10-10, seven 10-20.
 Some of the imagos emerge before the first date given.

From beets in S. Calif. Mr. Titus found eggs near base of leaves.

Cauling which was infested with dipterous larvae and
 in about ten days produced adults of minute flies.

11-26 another adult issued This cauling was put up in
 Logan, Utah by the Utah Canning Co.

Larva of *Cleopatra* found in skin of sunflower. One
 dead adult of what may be the same species was also
 found. Larva have left skin and spun cocoon at bottom of cage 1-23-05.

1905

No	Date	Name	Stage	Locality	Collector	Egg empty
1	1-20	<i>Anabrus simplex</i>	Egg.	Eden, Colo.		
2	1-20	Do	Do	Do.		
3	1-20	Do	Do	Do		
4	1-20	<i>Paradroma</i> ^{margaritosa} <i>sancia</i> larva		Ft. Collins, Colo.	J. R. G.	III-9-05
5	1-20		Pupa	Do	Do	I-22-05
6	1-20		Larva	Do	Do	III-9-05
7	II-20		Larva	Do	G. S. Babcock	
8	III-26	<i>Loxostege sticticalis</i> ..	..	..	S. G. J.	5-24-05
9	3-25	Joint-wormer	larva	Laporte Colo.	C. R. H.	
9a	4-28	Same as above	larva	Ft. Collins	L. G. Stragg	
10	4-24	<i>Popilio</i>	Pupa	Ft. Collins		

1905

Remarks.

Eggs placed in square breeding cage in insectary. These eggs were sent in about two weeks ago. They have been in the warm laboratory since that time.

Same as above but cage put in greenhouse.

Same as no. 1. Cage in laboratory.

Culicoides which are many or quite adults were taken in the greenhouse. The larvae went into pupation about two weeks after capture. The adults emerged Mar 1-6. Before dying two females laid eggs. This was within one week of capture.

Pupae of culicoides taken in the greenhouse. Probably the same species as no. 4. Six adults found in the cage to-day.

Dipterous larvae found in greenhouse. Larvae dead 3-9.

Larvae of Clateridae taken in ~~greenhouse~~ in grass soil near greenhouse. See alcoholic specimens. Adult and cast larval skins pinned 5-31.

Larvae of *Loxostege sticticalis* taken in leaf field toward Wellington, Colo. Four moths with parasites taken 5-8.

Straws of *Stipa viridula* (det. by Emeryson).
~~*Chrysomelids*~~ (formerly supposed to be *Stipa* sp.)
 Numbers pinned 5-20, 5-24 and 5-25. Also 5-31. On 2-1 insects and parasites. Same on 6-6. And 6-7. Another 6-9. More adults 6-15.
 many out May 17th

Large numbers of parasites emerged from pupa brought in by students. 4-29.

1905

No	Date	Name	Stage	Locality	Collector	Cage number
11	4-21	Larva in Koro wood (Cryptogus) <i>Walshia amorphella</i> .	Larva	Ward Wray.	C. P. G.	
12	4-25		Larva	Fort Collins, Colo.	O. A. Babcock	6-30
13	4-21 5-1	Bibio	Larva	Bozland, Colo.	Mr. Offner	
14	5-1		"	"	"	6-6.05
15	5-1		Larva	Paoia, Col.	Mr. Wathens	
16	5-1	Pine Web Worm <i>Halioidea</i> sp. <i>Euschansia</i> <i>ingens</i> .	Larva	Fort Collins	C. G. Babcock.	
17	5-8		Galls	Delta	C. P. G.	
18	5-5			Rifle Colo	C. P. G.	
19	5-5	<i>Artra</i> sp.	Larva	Rifle Colo.	C. P. G.	
20	5-8			Hatchkiss	C. P. G.	

1905

Remarks.

Larvae eating into the stocks. Specimens preserved in alcohol.
Several moths, 5-24-05. See Ac. Co. P. 5. 31. 01. - Page 5.

Larvae found near the river in moist ground.

Larvae of Diptera found in beet field. One specimen in bottle. One adult Bibio 5-24-05.

Larvae of Diptera found in beet field

Eggs sent were hatched in the mail. Larvae in breeding cage.
Eggs pinned. Head shields pinned 5-24. Inflated larvae pinned 6-1.

Large branch of pine containing the nest of a bird caterpillar.
Photio ^{insects} pupae larvae preserved and blown 6-1.
Dermatitis a.m. 6-12-05. — Moths hatching freely now, 6-16-05 —

On Begelovia ^{insects} numbers pinned 5-24.

Trypeta ^{insects} begelovae pinned 6-3 Also 6-6. And 6-7

Adults with parasites 6-8. Adults and parasites 6-10.

Fibrous galls very common on Artemisia tridentata
Insects pinned 6-1.

Five larvae found under boards.
Adult with cocoons pinned 6-9.

One larva found under board.

1905

No.	Date	Name	Stage	Locality	Collector	Bag empty
21 21a	5-5			Rifle Colo.	C. P. G.	6-6-05
22 22a	5-10			Canon City	C. P. G.	
				Grand Junction		
23	5-6			Grand Junction	C. P. G.	
24	5-6			Grand Junction	C. P. G.	
25	5-6			Grand Junction	C. P. G.	
26	5-12		Imago	Ft Collins	L. C. Bragg	
27	5-17		Imago	Ft Collins	L. C. Bragg	
28	5-17		Imago	Ft Collins	C. P. G.	
29	5-12		Larva and pupa	Rocky Ford Col.	J. A. G.	
30	5-12	Monrovia La	Larva	Do	Do	5-24-05

Remarks.

Brown bladder-like galls in clusters and in great numbers on art. *3 dentata* *Bigelovia*
 Humblers pinned 5-24. Also 5-30 this with the galls 6-6.

Galls on stems of *Bigelovia*, Common 5-11-05 one A, 17
 gall (gall) and several parasites hatched. Humblers of parasites pinned 5-24.
 Also 5-26.

Galls on stems of *Bigelovia* Common
 Humblers of parasites some this 5-24 Also 5-26. Also 5-11. 6-16

Willow galls Rants and galls pinned 6-16.

Capsule like gall on *Bigelovia* One adult 5-25.

Pustule-like galls on *Bigelovia*
 Insects pinned 5-31.

Insects collected from plum blossoms. The small diptera very common tho. not so much as at the honey bee. Four *Vanessa cardui* were on the tree at one time.

Insects from plum blossoms. *V. cardui* were the most com. insect.

From apple blossoms in evening at dusk

Caterpillars found cutting off canstatants.

Lawson of bark which mines in the leaves of ~~the~~ lamb's quarters.

1905

No.	Date	Name	Stage	Locality	Collector	Boys empty? Entomica 7-21. Parasitic 7-26.
31	5-15		Larva and pupae	Parkers, Colo.	J. R. J.	
32	5-21		Larva	Arkino, Colo	Geo. P. Weldon	
33	5-27		Larva	Spring canon	C. P. Ls.	
34	5-27		Larva	Spring canon	C. P. Ls.	
35	5-27		Larva	Spring canon	C. P. Ls.	
36	5-30	Culicoides	Larva	Fort Collins	J. R. J.	Dip. parasites 6-7. Ditto 6-12
See discussions under 6-13, 6-13a, 6-15 a, b, c, and d.						
37				Fort Collins	C. A. Babcock	
38			Larva	"	L. C. Bragg	
39	6-12-05	Beet worms <i>Plusia californica</i>	all sizes	Gold Junction Colo.	C. P. Ls.	
40	6-12-05	Pigweed worms	Larva	" " "	C. P. Ls.	

1905

27

Remarks.

Bells taken from apple banks at Parker, Colo. Several cages.
Odynerus with all species 6-5. *Agenia architecta* 6-6. *Agenia architecta* and
Odynerus on C-7. *Homis minutipennis*. *Anthophora occidentalis* on 7-3, 7-12, 7-13.
Homis minutipennis 7-11. Two bees *Melissa mironia* 7-11. Two 7-18, 7-22.
Homis minutipennis 6-30. 7-11- *Anthophora occidentalis* 7-14. Numbers 7-18, 7-20, 7-22.

Cut worms taken from the ground beneath
apple trees, upon which they were eating the buds.

Scaly cone-shaped galls on *Rigilovicia*
Two adults and numbers of parasites found on 6-7. Others 6-16.

Woody wart-like galls with white cottony ind.
on *Rigilovicia*.

Bladder-like galls on new growth of *Rigilovicia*

Culicids which have eaten off squashes and are now working
on sugar beets. Three jars. Many of the larvae are parasitized. Larvae
blown 3-31. Dipterous parasites 6-10. Hymenopterous parasites which caused
the host to crawl up the side of the cage before they emerged to spin cocoons.
Cells of mud wasps taken in greenhouse.
Small *Anthidium* 7-13-05. *S. crenulatus* 6-26-04.
" " 7-26.

Larvae of *Diptera* found in fungus growth.

Larvae very much in color from light to dark green. Dark found also
very much in depth of color. Examples in alcohol. Some just spinning.
Adults 6-25.

Perhaps some at No. 39 but larvae very light green with light side
stripes very white from *Cheupodium album*.

1905

No.	Date	Name	Stage	Locality	Collector	Case no.
41	6-10	<i>Loxostege sticticalis</i> (?)	Egg	Ft. Collins	Bragg & Gillette	
42	6-13	<i>Plutia</i> sp. (?)	Egg	"	Bragg & Gillette	
43	6-12	<i>Coleoptera</i> (?) yes	"	"	L. C. Bragg	
44	6-15	<i>Loxostege sticticalis</i>	Egg	Ft. C.	"	
41a	6-15	"	"	"	B. & G.	
42a	"	<i>Plutia</i> sp.	"	"	"	
43	6-21		Larval	Ft. Collins	C. R. G.	
44	6-21		"	"	"	
45	6-21	<i>Caradrina signa</i>	Larval	Lamar, Colo.	W. H. Winterhalter	
46	6-21	—	"	"	"	

Remarks.

Eggs from pigweed (*Chenopodium*), 6-15. Found 43 young larvae, hatched in part 24 hrs this a.m. Removed everything else and will rear these for record. 1 of these hatched last night and 22 yesterday and night before last. ~~eggs~~

Eggs from pigweed underside almost entirely. See drawing by Miss Palmer. Yellow eggs 6-15. Young larvae from this cage that hatched yesterday and last night left in cage. Eggs removed to Cage 42a.

yellow eggs 5.5×1.3 mm in loose cluster lying flat on under side of leaf.
6-16 Eggs hatched during night

27 eggs laid last night on one pigweed (*Chenopodium*) to be hatched all hatched

Unhatched eggs removed this a.m. from cage 41, at 10 A.M. 21 larvae at 8:30 P.M. 51 larvae from 16th 9:30 99 larvae + 27 eggs at 8 P.M. 123 larvae + 2 eggs. The larvae transferred to masonry 6-22-05.

Unhatched eggs from Cage 42. ~~hatched larvae from 15th 10 A.M. from 121~~
At 8:30 P.M. 51 ~~from 16 9:30 A.M. 99 larvae and 27 eggs~~ 6-16- 10 A.M. 34 larvae and 7 eggs At 7 P.M. 41 larvae + 4 eggs

Large cluster of young larvae, light yellowish green in color, with black heads and cervical shields and small black spots over body, somewhat like *Lophocarenum sticticum*, on underside of *Chenopodium* leaf.

Larvae of *Vanessa* from *Iva xanthifolia* leaves, about full grown.

Beet army-worms received from Mr. W. today. Seem full fed. ~~24~~
Two adults 6-29, and 7-5.

One specimen preceding but differs by having entire dorsum black to bright yellow dorso-lateral lines, Below the yellow line 2 black and 2 light very narrow lines, and below these dark brown & black.

1905

No.	Date	Name	Stage	Location	Collector
47	6-22	Peridroma Saucia?	Larvae	R. Ford, Colo.	P. K. Blinn

48	6-22	Plusia sp.	Larvae	"	"
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49	6-26	Plusia & pupae stages	Larvae 30 Eggs 46	J. Collins	C. P. G.
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50	6-26		Larvae	"	Mr. Scott
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51	6-26	Alfalfa miner	Larvae and pupae	F. V. Collins	C. P. G.
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1906

52	1-6	Tenthredinidae Galls from willows	Larvae	Arkins	G. P. Weldon
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53	1-6	Galls from willows probably dipterous	Larvae	"	"
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54	1-6	Bud galls from willow	"	"	"
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55	3-4	Same as No. 52	"	"	"
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56	3-4	Galls on side of willow twig	"	"	"
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Remarks

Apparently full grown larvae from P. K. Blinn, said to come from alfalfa and to be destroying cucumber vines. 7-11- One fly, 7-16-05. Two Tachinid parasites etc. - 7-20 One more. - Another 7-22.

From Blinn with same notes as preceding. Adult - proves to be *P. californica*, one specimen, etc.

Found on *Chenopodium* and but hairs. Transferred to insectary on 7-22nd. all larvae.

Leaf miners in leaves of sugar beets. Appear to be nearly free fed. One fly 7-16-05, - One 7-14. Four parasites 7-16. One 7-17.

Apparently leaf miners in alfalfa leaves - rather common. Nearly all pupae, and always at big end of burrow. Took one larva. One adult 6-30. Parasites and adult 7-29.

Galls at this time contained the saw-flies in the larval form, enclosed in a delicate cocoon.
2-23. One *Eumura*. 2-26-Two. 3-5-Four. 3-6 Four.

4-7. One *Eumura* - also one Chalcid parasite.

4-13 One *Eumura*

No.	Date	Name	Stage	Location	Collector
	3-26				
57		Tenthredinidae galls from willow.	Larva	Fort. Collins	Geo. P. Weldon
58	"	Same as above but different shaped gall	"	"	"
59	"	Parasitized galls			
60.	"	Tenthredinidae galls containing green larva	Larva	"	"

4-13 One Schumann Fly.

08
8h

