Journal

1890.

Vernon Bailey.
Elk River, Minn.

1890
March 17. Packed our blankets, provision and collecting outfit and started for a timber camp 20 miles N. of Bridgman and about 50 miles N. of town. Took a team and dog.

Snow is about 10 inches deep when we start; some bare ground in fields and meadows, it is warm and air is soft. A chilly wind from the N.W. Clear!

The fields on sandy hills are bare, Pteleophyllum rivale and Osmorhiza albituba and Calamagrostis helianthus are abundant. Batelle Brook's open and full of little fish and some trout fishes about 11.

Snow & Pinnated Grouse.

Snow grows deeper near Princeton, roads poor and traveling slow. Stopped at night near Princeton.

Mar 18

Started at 8 A.M. & reached Bridgman at noon. Through timber all the way. A few Pines still in appearance at Princeton & snow more common as we go south. Stunted & dead trees & small trees are left but the stumps show that pine has been quite thick. From the bald openings & sand hills of yesterday we enter the timber region at Princeton.
Agreed flatness, large marshes along streams, dense thickets, large bodies of good heavy timber with a mixture of fir, which the snow has deepened as we go further into the woods. From Bridgman we follow up the W. branch of Rumm R. about 20 miles to a lumber camp—whales. From Bridgman this fine timber has been thick & large but all that would make logs has been cut. The small fire in quite thick & together. Various deciduous trees form light thick woods.

Reached camp at 5 P.M. It is 80 miles from Mille Lacs Lake.

Snow is about 18 inches deep at camp. One Porcupine inspected near here but saw no Deer. Saw fresh Deer tracks & eden Woodchuck tracks. Also seen Rabbit & Lynx tracks. Also seen a few large old pines below crooked, are still standing.

Good fires are common to Bridgman, none north of here.

Large granite boulders are numerous in woods. A wintry, chilly day & very little seen. Thrived a little, cold at night.
March 19
Slept on floor of hunter camp + took cold. A cold night. Clear, frosty and in morning thawed a little in P.M. + clouded up with a S. wind in evening. Went down river + crossed + over to where a fox was found a year or two before. Found where it had gnawed trees lately but failed to find it. It had gnawed back from Pine, Popple, Black oak, + Beard wood. Hunted for him all of forenoon, then went back to river + counted by old pine dry. Set 28 traps, killed 2 Red Squirrels + 5 Flying Squirrels, killed the last in spring. Saw Coon Woodchuck, Skunk, + Cat tracks.

20
Rained about an hour in morning got things warm, but stopped at daylight. Had a good sleep on soft pine boughs by big log with fire in front. Not a cold night. Passed 1 beaver hole hooded all around. Started for the poisoning place before light. Found a fresh track but could not follow it. Hunted all around for it but to no purpose. Took up traps got 4 Evacuums + 8 Nesfsongs + a Sowx ferret.
Next day woke up in a town I had not seen before. Found it to be another lumber town with pine all around town full of stumps, not a live tree in near town. Begun the day by asking questions about the country. Got acquainted with half a dozen men & learned all they knew about the country. Finally settled on a plan & hired a man to take me out to Davis's lumber camp 4 miles N. of town on the N. fork of the Grand river. The camp is in thick timber of Pines, Stelors, Albatross & various deciduous trees. It is a large camp of about 45 men. They have hauled 660,000 feet of logs this winter.
Reached camp at 2 P. M. Made up 13 skins & hunted awhile. Killed a Picoides, snow grosbeak named by Renfrew. The camp is well built of logs, a good roof, & flat floor. There are two, sleeping & eating room & the bunk room. The bunk room is 50 x 35 ft., has 24 large bunks, a big stove & 3 small windows. The cooking room is not quite so large. They are connected by a roof over a space of 20 ft. Sugar is well cooked & very abundant. The men rush into the room & seat themselves around four long tables. There is a soup, roast beef, pork loins, potatoes, cold bread, bread & butter, 2 kinds pie, 2 kinds of canned fruits, 4 kinds of cakes. A warm day, Towed lively.

March 22: The camp was going at 7 o'clock. Breakfast was at 9 o'clock, & I was well out in the woods at 6, though not light enough to see trees. Found everything growing & worked around in deep snow. Saw 2 Deer & lots of tracks. They came into closings & roosted to feed & hid in the snow. Saw 2 Porcupines, Lynx, Skunk, & Woodchuck tracks but could not follow any of them. Shot a Piliated Woodpecker & saw another.
While coming home at noon, I saw a Porcupine block crossing road, followed it a little way and saw the fellow high up on a pine limb. Shot it and found it to be a large old one. In P.M. made up the Porcupine + 4 other skins. Took up back in afternoon, coming by noon. Clear + pleasant.

The men had a Saturday night dance in the evening, a lively time, too; a good fiddler in camp—a half-breed Swede boy.


24. Stopped at log cabin. Saw two Indians. Set out in the evening. 4 inches of soft snow on the crust in morning. I had a good easy start. Had three Porcupines before 8 o'clock. Killed 2 & brought one in alive. Found them all sitting on limbs, seemed to be asleep. Hunted till noon but found no more. Killed a Deer + saw 4 more. The one killed was a small doe, stouter and full of lichens, a well grown fawn. In P.M. skimmed Deer 4 + Porcupine. Rained from 4 P.M. till late in evening.
Nov 25. Took an early trip north of a mile or so, found nothing but Woodchuck tracks. It arrived all night Most all day but melted as fast as it fell, in with slushy, Cold & freezing toward night. A cold N.W. wind!

Skinned Porcupines & set 12 traps. Found a young nearly ready to be born in an old Porcupine. I left these 4 9 5 of them, they were down & linears. Fart of Winter melted through 1 trap. Never saw any animal well developed when born.


Nov 27. Frogs in morning, chatty windy through the day. Hunted most of day, got but little game. Saw 2 Deer + lots of tracks. Snow knee deep in woods, a few fox spots under trees. Saw 4 Ravens.
March 29. Froze in morning, thawed part, clear warm.

Heard most all day, found a Pumpin + caught an Evotoung, killed a Regule Racket.

29. Froze up in morning, a little flurry of snow, thawed fast before noon.

Took a long crowskin triumph in P.M.

Came near getting lost, went away back into heavy timber where not a stick has been cut. The big pines stand thick + are tall + straight. It is nice timber.

Heard a growling that I think was a Lynx.

Saw lots of good Lynx Traces, saw 8 Deer, 5 of them were down.

Caught a Stink in a trap, set 13 more clean traps.

30. Sunday, Froze hard in morning, thawed through the day.

31. A cold night, clear, froze hard, thawed fast through the day.

Went to my Wolf Traps for the last time, nothing had been to it. Took up most of my traps, caught a Stink, Evotoung + 2 Sorex personatus,
made up 9 macorn & 2 bird skins. Passed the big skins in a box & the rest in my trunk. Packed up my things & ann ready to start for home in the morning. The arrow is a good size & the wood is still good.

April 1 Looked the rest of my traps & left the lumber early in morning. Came out to Hinkley on a rough & good road until out of the woods near town. Snow & frost deep & solid in woods. Some trees gobled in a near town.

Left Hinkley at 2:40 P.M. Passed through some splendid pine timber that had not been touched. Large trees & thick. Country flat & swampy & brushy, more flat & some farms near Mora. Afternoon extends to about Mora, not south of there. Some fine & lots of stumps at Milaca, but Pumps started to run out & some seen south of Estes. From Estes there is heavy willow timber a few miles & then a belt of Pumps brush & reaches to across the river from Princeton - thick & small. Ground half bare at Princeton - thingy to Elk River.
April 2. A spring morning, froze a little but soon thawing. Bluebirds singing & Geese honking. Went hunting in morning, got a Rabbit & 2 Chipmunks, skinned Chipmunks & stuffed Deer skin & set Weasel & Arctic fox traps, then wrote on my Hockey report. Threw copper, Geese heard all around, snow gone off fast, water running on rocks & Ice there. Hunted with dogs in evening found nothing. Water & Cloudly in P.M. Wind S.

3. A steady warm rain all day & in evening, took off all the wolves but some spots. Got a Weasel & a Mink & 2 Arctic fox. Made up skins & wrote some, couldn't do much. Robins came & are common -

4. Clear warm. The rain spoiled my traps, caught but little. Packed some boxes, finished my report & in P.M. went to town. Geese & ducks quite common -

5. Rained all day, some newbirds wrote some but couldn't do much.
April 7, Sunday. Rained part of day, snow all gone but drifts in shady places. Birds coming lively.

7 Went to town early, got a telegram to start for Valentine, Nebraska. Pack up & got ready in P.M.

8 Left Elk River at 4: P.M. & had to stay in Minneapolis till 8:40 in morning. Weather warm & snow all gone except rare patches. Frost mostly out of ground & some flowing snow. Vegetation entirely started.

9 Left Minneapolis at 8:40. Cold, windy morning. The Mississippi R. is full & the smaller streams, ponds, & lakes overflowing. Started out on the C. St. P. & O. R.R. Followed the Minnesota River to Mankato, then out onto prairie & prairie all the rest of the way. Most of the lakes open after getting on the prairie. 3 Eskimos were seen at Mankato, Franklin's Falls on lakes. Very windy, few birds seen. Men seeding with few overseers. Vegetation not started. Reached Simplicity at dark & had to wait till 9 A.M. in morning.

A few Passer domesticus seen in Minneapolis.
April 10. Left Missouri Valley at 9 A.M. Crossed river & followed up the Elkhorn River valley. The bluffs along the Missouri & all the side streams are high & stony.

A little past in morning,

Passed cotton, & if in Missouri Valley + lots of Passer domesticus building nests. Followed up the second rich valley of the Elkhorn as far as O'Neil. A fine farming country, large fields, & great crops full of color.

Dusk at O'Neil, Pines could not see the country any further. Reached Valentine at 10 P.M.

A warm day, clear.

April 11. Went to P.O. first, got mail, then took a team over prairie & into the creek valley N of town. Liked the looks of the country, engaged board at a ranch & got a team to take me down to it & was settled & ready for work by noon. Set some traps & shot birds, caught one Grouse. Shot a Rabbit.

A very warm day. Awesome trees in blossom, Elms & cedars & Ampelocarpus stephendi in blossom. Farmers flowing wheat mostly corn. Grass not started much.
April 12. Caught another Greagur & a Spotted
13 lizards, + 2 Hesperides, + a big Bat.
 killed some more birds + set out traps. Made up some bird hunting.
A cold morning + cool & windy all day.
Looks like storm in evening.

13 Sunday. Cold + raining most of
the day.

14 Caught a S. 13 lizards + 2 Ooysters.
Made 5 mammal skins.
Went to Town after noon so as to go out
to Kennedy in the evening.
Met Mr. Bales & had a good chat with
him. He is keen + accurate. is well
familiar on botany & knows something of
birds + mammals. Has a lot of fossil
bones, some of Saurops & others of large
mammals.
Cloudy + not very warm.

15 Left Valentine at 8 A.M. in buckboard
stage with 4 passengers + other baggage. My
box + valise had to be left. for another item
to bring out. Travelled the same old
candy road, across the Niteara R. then
up the Garden Creek Valley.
Vegetation hardly started,
Received dinner at noon & stopped all about 5 o'clock at Mr. Wilks' ranch, about 35 miles from Valentine. Shot a Scream-thrush while & a pair of Mallards. No flowers seen except a little Cactus. Acorn oaks in bloom all around Valentine. Holes & tracks of Dipodomys seen when we got into the sand hills 2 miles S. of town. All along the road when rainy sandy, Grassy hills numerous all along. Sat 2 1/2 hours. Only saw one new bird - Melanickerus verthexsub. Cacti are common all along about as many red as yellow but more on dull & mixed.

April 10 Went out to a P.O. town near the ranch. Shot 2 Prairie Dogs & a Cottontail, a S. Lizard, & a big Wasc. Skinned these things & rolled up skins. In P.M. followed up the Garden Creek about 3 miles, only got a Streaked Owl & saw its mate. Saw a lot of ducks but did not get any. My box did not come so I have to stay here another night & can not see much without hired.
Apr. 17 Hunted in morning but killed nothing but a lamprey.
My hound came at night. The must horse was sick & he did not come out from town until last night. I started for Mr. J. place at Kennedy. Reached them all about 9 o'clock. Made up the skins & then put some traps.
Got one Georgy before dark.
Frost in morning, very pleasant day.

18
Caught 2 Georgy. Set traps till 2 o'clock. Threw out 30 traps.
Found 20 out of D. Georgy an 9 of mine & 2 of mixed. Didn't kill a mammal all day. Found an Eskadok in a trap in evening.
Made up some skins.
A little frost in morning. Very warm day.
Cleaned Georgy Boeing all around.

of country but didn't stop to hunt much. Caught 14 mammals today, 5 species. A fairly good day's work. No sign of
mollie yet.

The top of one of the highest sandhills near here is scooped out like a volcano crater by the wind! The hollow is broad, about
40 feet deep & 80 feet wide. The wind was blowing hard today & the sand was

drifting up from the bottom of the lake over the sides. It is loose sand. These flats are common on the hills where the wind gets a

start below the grass covers. They even the top of the highest hills.

Cold & cloudy. A stiff wind all day & sand flying.

April 20 Sunday. Cloudy & wintry; no rain.

The rain had upset some of my tasks but I got some lab work done. Made up blinds & recut traps. Seemed to be a little more among birds

April 22. Caught 5 Arvicolas & a Hesperomys, 4 Ochroderes & a Gerona, & 2 Springtails. Real all the traps, caught of them in new places. Made a spiky chest for & set for a Mole & dug some holes for grubs to tumble into. Made up 11 skins. Shot a Shagtail Goose.

A warm day & everything growing. Took up mud heaps among the hills where I expected to get Saladis, but only caught 5. Ochroderes. Arvicolas seem to be numerous on the meadows.

23. Made a good catch, but nothing new. Got 13 Hesperomes, 4 Ochroderes, 3 Arvicolas & 2 Gerona.

Took up my traps & set them out around a field a mile & a half west. Hope to get Mollis & Scapovalis.

Skinned 17 mice but didn't get them stuffed. Got two Arvicolas in one of the Valley holes yesterday. Had 15 traps set in a field of wild sunflowers & caught 13 mice in them. Hesperomes & Ochroderes. They seem to bind in the same places.

A clear, pleasant day.
+ 69 Red-ticks + 4. Hesperis + 2 Difodes.

Dined with Mrs. H. Read, took up deer from tracks & skinned things this rest of day.
Cloudy, windy + cold.

25 A hard frost in morning, warm + pleasant late.
Caught nothing new or of especial account. Making a lot of skins in P.M. took a tramp over to an Indian lake in Stout's valley. Two or half miles.

26 Some frost in morning "a pleasant day.
Caught a S. Wallis & 2. Parascens + some other things. Finished up skins + packed the specimens. A busy day.

27 Sunday. Killed a Skunk.

28 Started for Valentine at 7 A.M.
Saw nothern chucks along the road.
Killed a Rattle snakes.
Warmed pleasant but windy + sandy. Plums, Ribes canadum, willows others flowers all in bloom on the Nipnac + vegetation is much ahead of that at Bennett.
Apr. 29. Left Valentine at 10:30 A.M. and arrived at Chadron at 3:30 P.M. It is the first time I have passed over this part of the road by daylight. For a few miles we followed up the valley of the Minnehaha Creek, then struck off through the sandhills. Then it is sandhills with dry, thin, ponds and marshes & a few little creeks until within a mile of Garden. The sandhills are high & very irregular, all of light soil & not very thickly clothed with grass. The hills have the appearance of wind drifts, & if they are, were probably formed when there was little or no vegetation on them. The valleys & valleys between the hills are grassy & fertile. Ponds are numerous & most of them alkaline.

Leaves east of Garden we pass absolutely from sand into clay soil. The whole country is Elaine. It is smooth & slightly rolling. Grass is thick & short. Cattle can move. The soil is rich & dark & farms are numerous. Large fields of grain took rise. This is not farming between Valentine & Garden.
but stockt rears over all the sand region. Garden, Rushville, "
Hay Springs + Cloddon are good thirsty towns. This is no timber 
between Valentine + Boulder, the 
station next to Cloddon. Here we 
with a brushy creek valley with 
some trees, + high cliffs of a 
soft whitish rock along its sides 
are covered with Prions, pegulums. 

This ridge of fine buff suits just 
S. W. of Cloddon + a beginning of 
badlands may be seen to the 
N. E. The leaves + flowers are 
farther advanced at Cloddon 
than at Valentine though it is 
farther north + 6000 ft higher. 
A clear day, almost hot. 
Clodden is 5000 ft.

Set traps till dark but didn't 
find much signs of game - only one 
Pocket Gopher hill.

One of the stores has in built of the striped 
purple + gray sandston + from the quarry 
while W. of Buffalo Gap. It is the 
handsomest building stone I ever saw.
The stripes are true + wavy + the color 
lush.
Aid 60. Got up at 4:30 + went to my deck, caught a large dark George's nothing else. Left Chardon at 6:30 A.M. A range of hills with roosting, few wooded summits run a few miles south of Chardon + in a N.W. direction. The R.R. follows along the N. end of them until they curve now to the N. + we pass through a gap at H. Robinson. From there they extended away to the north. Seems to be a lesser set of the Black Hills. They are of a sandy sandstone, are covered with Piens pachyphyllum. 

The White River is a small creek at Chardon + we follow its valley to Crawford. The valley is grassy + fertile + there are lots of good farms.

Cross the B. + M. R.R. at Crawford. Pocket Golden hills are numerous on the sandy land passed over yesterday, but are rather scarce on the clay soil of today's route. Redtaws - leave the hills + enter rolling prairies, grassy + some farms. Van Tassell - a little creek, grassy valley + bare rocks on ridges. 

Just before reaching Wask + Actun in Cane +strips is become common. The soil is deep + wood barren. Some mines near Wask + red paint beds.
At Wallowas The Lavanis Mt begin
to show & Lavanis Peak is covered
with snow- also some of the lower hills.
As we descend the slope into the N. Platte
Valley, the country grows more barren &
alkaline. I like the Badlands.
Art Fisher, Arizona, told us it was
abundant & in 3 miles further we strike the
N. Platte R.

Reached Douglas at noon, set
traps & hunted, looked about the
country with those who knew it well.
Posted some & highwater & winter
many found - Gouglasia thyrmatophila & Asteriscum
montanum & a little Poppy in bloom at
Douglas. They are faster along than
at Cleavelan. A very warm day.

May 1

Caught 2 S. triqueterus & a Riddelgho
skinned them & got things ready for a stage.

Left Douglas for Rock Creek at 1 P.M.
Crossed the Platte & began to climb the
Lavanis Mt. Cactus & sage brush abundant,
long hills & soft rock. No timber till we
strike the Badlands Creek along it is
Helianthus angustifolius & Boesel lay & brush, some
yarrow & creek sage brush along creek.

Reached Beavert P.O., 20 miles from Douglas.
May 2 Got out early and went to hike as soon as I could see - Caught a Thompson + 2 Chiricahua, skinned what I could before starting and took skins along. Left Beaver at 5:30, still climbing, followed up creek valley, then crossed ridges into other creek valleys, Timbers on the hills - Pima p. scopulorum + & Spence. With grassy patches between the ridge, good thick foxtail, good fuel for stock. Lots of little streams running down the gulches, fed by the arrowheads above. Viola richardii common all along, Phlox woodii (?) abundant in solid mats of.

& stopped for the night. It is on the Lapham Creek + rocky hills all around. Lots of little side creeks of cold, pure water, willows + other brush along them. Stayed with Mr. Howard. Found Prairie Hog C. ludovicius - all along the road - Saw no Pocket Gophers hills till west on Lapham Creek valley. Set 13 traps before dusk. Killed a Rabbit with Congress. 5 14 [illegible] common all along + at Beaver.

A very dry, can see lots of arrow on mts. Phlox hoehii + Viola richardii + Thymus standishii in bog on at Douglas + all along road.
flowers, some makes a foot across a small mat of white flowers so thick + depressed that they look like a patch of moss.

Althaea nudicaulis takes the place of tridentate + ever on the high divide. Stopped at noon about 1 ½ miles from Beaver. Cynoglossus luteus is common till noon.

About 5 miles after where we stopped for dinner we wth a deep rocky cañon + follow it about 4 miles. It was a rapid stream, brush + the high rock walls. Cynoglossus luteus is common along the rocky sides of cañon. Shot 3

On 12. They all up on rocks looking out for danger + one went to get it.

Sheriff's house. First seen just before entering the cañon.

Saw 6 Chinimines + red squirrels but both are said to be in the cañon.

Roched Mountain house at 5 P.M.

Saw first Cynoglossus luteus here. Went about 5 miles further + camped.

Saw a large Badger + shot at it but didn't get it. Camped 20 miles from Roche Creek. A cool + pleasant day, but rained + hailed while we ate supper. Claimed some things by daylight + then rolled in our blankets.
May 3. Slept well insulated of cold + hard ground + Coyote muzzle.
Got up before daylight, got breakfast started at 5:15. First bad time to measure stream & woodchuck noise before starting. Soon crossed the divide + then it is mostly down hill. Soon leave the lake & come out onto killer plains. Saw 35 Antelope, 20 Sage hens, killed a Lepus canadensis, C. columbianus + S. townsendii, conn. al along to Rock Creek. Reached Rock Creek at 4:30 P.M. Rained + hailed so as to well as just before reaching town with the 7 o'clock train for Rawlins.


5. Got my turkeys as early as possible + went to work stuffing the skins that I had got along the road. Got the small ones stuffed + some after ready by noon. At noon Mr. Benson came in from Bridger Pass. 20 I packed up + started with him for his ranch 18 miles S. of Rawlins. Stopped 2 Senephalus townsendi + Two
Lepus canepalae + 2 Sage hens along
The road, Saw lots of Spermophilus +
After Prairie Dogs. The north sides
of hills are covered with snow + the
weather is cold. grass has not grown
much + feet + bushes + willow little been
rarely begun to grow.
Arrived at Beckman's ranch at 4 velack.

May 6 At Becthann's Ranch near Bridges Pass.
Hunted the whole before breakfast + a
few minutes in evening, Worked on the
Sleds + picked up along road the rest
of the day, Wrote in evening.
Ground fog in morning, a warm +
pleasant day.

7 A little frost in morning. Large beds
of old snow lie on the north side of
hills + in gullies.
Clear + very warm most of day.
Finished up sleds + killed a Woodchuck
+ 2 Spermophilus. At home + mined.
Spermophilus + Acorn + lots of marmice,
May 8. Killed a Lepus cephalinus, an Arctonyx, a Speomys hirsuta, caught an Arvicola, a Thymomys. Set traps, hunted, returned things. Found a Burncup but it got into a hole. Cloudy and not very warm.

9. Caught 3 Thymomys, an Arvicola longicauda, an Omastomys, killed a Laniae laticollis. Went up the canyon to top of hill for the highest peak may have, probably a thousand feet above the valley, started Primula florindae growing on the very top. Found some Laniae laticollis on rocks on the high hills. Snow is 50 feet deep in these now on the north sides of high hills. Rained and snowed for about an hour in P.M. Cold all day.

10. Caught an Arvicola longicauda, 2 Speomys hirsutus, an Arctonyx. Hunted down in the valley but found nothing new except Stellaria canadensis. Put up the specimens. Went a trip for Wild Cat. Cold morning and cold all day.
Sunday
Caught a big wild cat in my trap.
Weighted 31 lbs. Very sluggish animal.
It was caught by one leg in a No. 3
Beaver trap. Had kept still + not
hunt into the brush or does much scuffling
around, but had eaten up a whole
Woodchuck that was used for bait.
A cool day with squalls of snow
+ rain.

12. Didn't catch much, skinned the
wild cat + other things. In P.M set
Badger moccasins down in the
valley + along creek.
Cold + windy + I could not find
my Stigella aranea. Started
cold + rain.

13. A flurry of snow laid on the ground in
the morning so as to make it white.
Cold all day.
Didn't catch much, cut a few traps
over, Shot 2 Stigella aranea, made
up the skins of 10 or 11 mammals.
Began on my report in evening.
Liberal squalls of snow.
May 14 Went down in valley, about 2 miles.
Shot a Tamias 4 ptarmigan & saw another in
the sage brush that I couldn't get.
Killed 4 Stizella annacea, saw a flock
of about a dozen. Mergansus melaspluma,
visited two shots on them at two long range.
Took up most of any flies. Caught 2
Tamias leucellis & some Thomales.
A cold day, froze in morning.

May 15 Forty in morning, a pleasant day.
Went down into valley & killed 2 Tamias
4 ptarmigan + 2 Stizella annacea. Caught
nothing.
Packed up the specimens in P.M. &
finished my report in evening.
A busy day. 16 hours of steady work.

May 16 Got up early & took up the rest of my
traps, caught an American only.
Packed my trunk, had breakfast &
started for Rawlins @ 6:30. Saw a
great many Ephemerides tuberculata
& some Cygnus columbianus along the
road. A few ducks were in the dead
sloughs. Stizella annacea are common
all through the sage brush.
Sent specimens ready with letter
& had my supplies at Rawlins Wyo.
May 17

Readed Caleb Connin of Colbeck's

A. B. Underhill

Mr. Oliver

May 18

T. B., 11:30 a.m. 22d. 5

H. T. D., 5:15...
May 20
Caught a young Cottontail & 2 Yarrowbones
That I think are different species.
Killed some birds, washed up skins,
Set some traps & took an otter.
Got ready to go for a two-days trip over
into Henry's Creek.
Warm & pleasant.

21
Started at 7 A.M. for a trip over to
Henry's Fork, about 30 miles S.E. of here.
Went with 4 horses, team & big wagon
after a load of lumps. After leaving the
Creek valley we entered bad lands &
followed through them several miles,
then up onto a table land & across to
Cottonwood Creek. Then through more
bad lands over the divide & down to
Henry's Fork Cr. near Lone Tree P.O.
Crossed the bushy flats & meadows
of the creek valley & found the lumps
bedded on the hills beyond, near where
Pecos pungens begins. The lumps is soft
& seems to be lumps in like chalked
lumps. Helped Mr. Gaudy load up, then
hunted Prairie Dogs, & columbiums
were common up to where the Gamer
begins. Phyllos humboldtii & Pecos
pungens & Pinnis phalaris begin about
together near Lone Tree P.O.
The valley is broad & a large part of it wet & marshy. Alkaline is very abundant. There are several large ranches. It is but a few miles up to thick timber that meets theSierras. Snow comes down to near the edge of timber. Several patches of pine pموس grow in the valley. The creek is very high & water runs through numerous channels over the valley. There are large thickets of large willow brush.

Saw heavy little game along the road. It was cloudy & windy. Shot one P.O. & saw 2 sphemphiles.

Stabled at night at John Fomeshi's place. Could not find any mony hills near the ranch. saw some only the hills but too far away to go to set sights. Rained all around us most all day & rained quiet loud in the evening at the ranch.

Saw no new birds except antelope.

May 22 Got up early & started back, a clear finished day, partly in morning. Saw quail, a number of deer, Stumead & Tawies & Muitons. killed 4 of each on the way home. killed a Rifin capon this before starting.
May 23

Went to the traps that I left out from day before yesterday & found 2 Jumpers & 3 Hare Lemmings & 2 Lemmings. 5 Hare Lemmings & 2 Lemmings were improved.

Wasted most all day to get the skins made up. Set a few more traps. Caught two Hare Lemmings of different & well marked species.

A rather cold & very windy day.

May 24

Caught 4 Hare Lemmings, one dark & 5 of the little, holy 7. Others. A Badger got into one of the Galley traps & carried it off. Killed some birds, which is unusual. Hunted for Spigella nests.

A pleasant day, just warm enough to be comfortable.

May 25

Sunday. A nice day, wasn't pleasant. Was hardly out doors all day.
May 21. Took a big of traps and went across the creek and set them on the S. side.
Set others along up the creek on this side for Gophers. Caught a Spotted Hare, 2
Hawks, and a couple of Finches. A little farther up I got a Grackle, a Turkey Vulture, a
Swallow, and others. Went over into the level land and across the creek and hunted fossils. Found a few bones
and some Turtle shell, nothing of much account, but there a bit farther bones were found in the bank. It is the bank of the
creek valley is about 100 feet high, of clay, sand and rock, very steep, in
places perpendicular. It is horizontally stratified, the lowest part seems to have been
deposited in dry water as a kind of clay
from very fine sediment. The sandstone is
nearest the top, has probably been deposited
over shore as the land rose. The fossils were mostly scattered so I could not tell where
they belonged. Some were high up close to
the sandstone.

Found a nest with eggs of Stellar's Jay
in a little cave of the rocks. Vigilant Swallows were around the rocks as the birds
went in them. From the top of the bank the
level stretches off in a level, sagebrush
field.
The warmest day yet since November 79° 72°-9°
May 27. Found some Drepanophiles hiding on a meadow between the creek channels and shot 3 before breakfast. Caught another in their laters. Caught a Towworms and 4 Neotoma and a large frog. Killed some birds and a Rabbit. Found a Calchei's cape with 7 eggs well incubated & a Sturnellae's nest with 5 fish eggs & a Shigella's yungoose nest with 4 fish eggs. Shot the old Shigella when he flew off of the nest & got the eggs next. Scanned & put up all the things but stuffing the Rabbit. Worked till late. Hiked along the side hills across the creek. Found some quail bones, some of fish, turtles & mammals. Dug down where they were lying up but could not find any more. Windy & dusty & some cloudy.

May 29: A cold night. I slept cold & didn't get up till breakfast was most ready. Went to my tests, didn't catch much but found some Sternthiles & shot 4 of them very young, just out of the nest for the first time. I chased them one after another as they came out of the hole, all in about 8 minutes. Shot some more adults that got into their holes & shot them. They seem quite plentiful on a meadow between two kilometers of the Creek. Probably the Badgers haven't found them yet. Saw a Sparrow Hawk carry off a young Sterntile in its claws, the young one squealing & its mother sitting up watching & chiding. I was sorry for her & killed her but she kicked down a hole. Skinned things & then hunted some more & dug fossils along the valley bank across the creek. Found a little enamel, the first I have seen. They are said to be scarce two months ahead here.

Mosquitoes are getting bad.
Great square flies are exceedingly thick, probably owing to so many dead cattle around. The people say they were never so numerous before. There isn't room for them to sit on the sunny sides of fences & buildings. Got some mail & changed my plaid. Will try the mountains.
Made a sieve & blew a set of eggs & hunted & dug for seals & looked up a few plants in botany.

31 Caught a Thanas & cleaned them & put them on the list. Also a Pera nothetes. Shot a young Spermotheces & got a set of eggs & one bird of Sydney Brevi.
Dug out a fossil tusk from the sandstone bank.
Made up a sieve & blew the eggs, & then put them in the brush for Pera nothetes. Cleaned gun & loaded shells & packed some things to take up the mountains Monday morning.
Went up the Pera nothetes for our "collectors guests" in evening.

June 1 Sunday
2 started for the Wintah Mts. in the morning & if I don't come back it's your fault with me & back.
June 2. Started up the N.W. at 7:30 in evening on alone with a bag of provisions, failed, 4 p.m. Reached Archies Fork Wm. Mount & I camped in 1888 at 3 p.m. The Steel Mill 5 miles beyond at 4:30. Camped & cut trees for Uncle John's, Grass is abundant at the foot of the E. & W. branches of Smith's Fork. Where I camped, only little patches of juniper in sandy places. Lots of little creeks. Thickets, pines, spruce timber all around. Willows along creeks. Poplar in places. The road is full of bear tracks, some big ones, but tracks median no tall of it. Saw two antelopes & two deer. Flowers are very numerous & pretty along the road. The air is loaded with perfume from the different species of flowers.

A pleasant day but a long, slow ride, 30 miles. 7:30 it in morning at the ranch. Left grazing in the N.W. with only the angled slantry walls to keep off the wind. Cooked my suppers of bacon & boiled bean bread in the corner of the slantry with some fine doughs.
June 3

Slept well on my bed of hickory, got up early and shook a good layered corn "poor boy" blanket. It wouldn't hold a lunch or tricks & started high towards the summit & up the side of the mountain. Followed up the E. fork of the varied route, usually was below in camp. It was a warm, sunny day. Found signs of logging at timberline & saw a big Chetooma. The south slope was dry up to timberline. The rocks and boulders & rough ridge up along the side below high cliffs. It was at Quartzite. Guess I got about 10 miles from camp. The stream tumbles & boils along down a cliff gulf. Willows grow along it & some places are marshy. There are a number of ports along the stream. Snowed most of the time all day, still snowing in evening. Sometimes an inch of snow on the ground & again it melted. Cold at 5 a.m. with light snowfall. At 7 P.M. cold & windy. At 7 a.m. cold, got well out of the wind & rain. Slept well.
June 4

2 inches of snow on the ground in the morning & temperature at 30° F.
Concluded to kill a deer to snow

The wet but try to snow.

Good deer tracks in the snow:

First trapped them, ran up to them & could not kill them with a rifle but they were too far for a shot

Wind through the trees:

3 deer & could not kill them with a rifle but they were too far for a shot

Wind through the trees:

Started an elk twice out & did not see it.

Tackled up & killed a snowy deer.

Shoewarm.

The snow on the white coat

Looks like a i. americans but in darker & swifter.

The body is large with 3-4 inches:

Shot 2 pine squirrels & 6 squirrels,

Some birds & caught 14 gray &

12 black. A long time. 1 long

Travelling that I killed yesterday at the

Shov very good at night, a

raw, chilly day & cold in morning.

Have to keep a big fire to sit by to

work. Feel much how the cold I

together.
June 5. A clear frosty morning, 25° at sunup.
Went to my traps & got 2 Turbinia & 2 Anasitoria altica & a Gallina & a Tannia. Started up the Mt. before 7 o'clock, saw 3 deer lying down & 2 others, wounded one but did not get it. Reached the peak at 10 o'clock, found 2 Keganpys in my traps, heard the Keganpys but could not find 'em. Killed 2 of the large Turbinias on the rocks & I saw more. Heard a voice that was probably Keganpys but saw nor. They are not taken but a rumor of them found the traps given in the book.

Coming home I saw 2 Elk. They were feeding in a brush & did not see us for a long time, yet within 15 rods of them. The brush was large & had plenty brush a foot long. Got back at 5 o'clock. 2 hens & 5 things & then got supper. A pleasant day & not very cold.

June 6. A frosty morning 17° of sunrise. Took up traps, got another Anasitoria altica & a Keganpys but couldn't get Turbinia. Found my things & started down the Mt. at 7:30. Hunted along & went slow. Caught some trout when I crossed Wilton Creek & had them for dinner.

Saw no big game except 5 Sagi.
Grass 3 ft. Yaked Radish. Got to the ranch of 1:30, a long slow ride out a pleasant trip. A nice day.
June 7 At the ranch again in the valley. Worked all day on the features, brought down & just got them all put up in good shape. Went on my report in evening. A warm & very pleasant day.

8 Sunday, A pleasant day.

9 Packed specimens till noon, went out on route in P. 24. Warm & pleasant.

10 Came about 8 a.m. to Carter's cabin, killed & Prairiedogs on the road, saw more & a lot of young ones. Tanious & Stenophillus are common at Carter. Got a freight train at 3 o'clock & came to 4 1/2 as Evanton & stuffed for the night. Can gain nothing by going ahead of my trunk.

11 Left Evanton at 9 a.m. on the regular passenger train, reached Echo at 11. Found lots of grass in black walnut at Echo & fields of green + grain. Left for Pocatello City on a freight at 11 P.M.
followed up a steep grade to Park City, up a ravine + passed stream. Found Park City in a month of the folks. New timber + new snow. It is a mining town + has big ore mills. Various ore, silver + thatraznow. Much like Deadwood, S. D.
Put up at hotel + can watch town + get down in the Reds so as to get Snowshoehiles.
A Summer Day.

Jun. 12 Took a page of traps & started up the mountain. Did not get very far from town. The Chihuahua + Snowshoehiles + birds + new flowers kept bothering us. Got 3 Zinnias letzirinis & saw a lot more. Killed 5 Snowshoehiles found them away up on the Mt. among timber & brush. Affix + Oreg Black began at the edge of town but have been cut except something nice for a good way up. Killed some birds. Found Purple Martins + Violet Swallows + Hum. When all meeting — or going in 1 out of — the Woodpeckers holes in a Maple tree. Made up skis in 14 M. A warm day, like summer. Didn't find any bals to eat traps.
June 13. Went up the Mt. again & nearly up to the top. Killed 2 tannus latitans + 2 T. quadrivittatus. + 4 Spermophilus. Saw an Arctonyx + a lot of butterflies. Set a few traps. Made up scales in P.M. A cloudy, chilly day. Cloudy at night.


Got back to hotel at noon + worked till 9 P.M. to get the things all finished. It is a long, steep climb of 2638 miles up the Mt. + takes so much time, but then seems to be no other way to manage. The snow lies in great beds, deep + solid over most of the north slope fresh up. Some avalanches have come down + are piled up & snow + dirt + stones + trees - at the foot of the peaks. A pleasant day, clear, not too warm.
June 15, Sunday, Windy + dusty + not very warm.

"16. Went up the Mt. Killed a few Aetummys + things + got an original Eng. name for it. Found 4 Tamias in my Aetummys trap. Rest of my traps + self 17 for Neoteryx in a pretty place along the creek. Abundant rain in evening has probably spent all of my teaks + spoiled the best part of my paper work. Made up atins in P.M. & went down in the Dark Moon town. Did not find anything down there but a few fish. A cool day with a hard rain in evening.

"17. Went up the gulch again. Sighted rain caught 2 Heptameca + 2 big portal Aetummys + a Neoteryx. Shot 4 Tamias, one is a kind not found before here: a larger gregarious type. Saw an Aetummys go into a hole in the rocks + waited an hour + quarter for him to emerge but he didn't. Made up atins in P.M. -10. Cool + pleasant but windy.
June 18. Went up the canyon over the tops of the mountains, could look down on Heber & the valley & see the great white peaks of the Wasatche away north & south. Could not see any thick timber. it is all realting. This is a low range about Park City but it takes a curve to the S.W. & is higher about 10 miles farther. Got two Arctorns & caught one in a trap, saw 2 more. They seem to be common on the rocky peaks. Shot one Yarnies & caught a Howums & Hepkums. All three traps were all empty & nothing in them. Put up Stelins & began on report.

A warm pleasant day.
Could see 3 nice little lakes high up in the Mts.

11 19. Packed up & finished report & went the Heermans by rail & started down the hill to Salt Lake City at 4:30 P.M. Went down lively, for the first 8 or 10 miles through grassy fields along the stream. Then up over a ridge & down into sticker canyons past the half way house where I stayed in the fall of 1888.
Went upon caution to cross it, but it is so narrow the train couldn't turn in it so had to run up to a point & switch over & come down the other side reversed - like turning around on a Y.

The climate changed from spring past summer on the lake to mid-summer + flowers + fruits + vegetables growing + a crop of hay already out in the valley.

Had to lay over at Salt Lake City.

20. Could have left town at 7:30 but had to get some things + tried to find a friend who is, but they in Salt Lake City, so did not get off till the 11 A.M. train. Reached Lehi at 1 o'clock + got a train to take me over to Fairfield which used to be Camp Floyd - 18 miles from Lehi. Would love to wait till tomorrow morning for a train. Didn't see much signs of game along the road. Windy + dusty. Crossed the end of the Lake Range + into Cedar Valley + found Fairfield about the middle of a big dry, grassy & lush valley. Warm.