Journal

1890

June 21 - Nov 3
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Vernon Bailey.
Fairfield, Utah.

June 21, Stuffed the Woodchuck skins that I bought from Salt Lake City. Also started out with gun and traps. Killed 6 Zanies, quadriennus + 2 Spigella beetles + a Night Hawk. Made up these skins + went out again in P.M. + got a pretty little Spermophile, sometal of Helicophila tristis. Saw some more + lots of other tracks. Set a few traps as to have a supply of them for Monday. Saw a Coyote + a brown skunk.

A warm day + not so much Zanies are numerous, could have killed a lot more. The place promises well.

11.22 Sunday, warm - clear.
Took 2 Horseflies + some Zanies out of the traps.
Killed 2 Spermophiles + some Zanies + birds. Made up skins, set 20 traps.
A hot day 85° in P.M.
Loaded a lot of shells in evening.
June 24, Caught some Janius & Heifers & 2 Ochotoras & shot a Dipodops & a Spermophile. Went to town & hunted most of P.M. Did not find much because the wind blew & dust flew. Started out again after hunting at skins in P.M. but found a horse in the spring & spent all of the time left for hunting helping to get it out. Blistred & skinned my hands too. A cat got in through a window & ate 2 Spermophile & 2 Janius skins, spoiled my yesterday's work. Wind blew hard nearly all day & the dust blew as we could not see across the block at times. Not very warm.

June 24
Caught 6 Diploeps + 5 Avocets +
some Herpsilines + Tancies. + caught
+ shot 3 Shrewmohiles.
Rutted skins all of 1. M. - 11 woolen
+ 4 black skins.
Cold + cloudy + a little rain.

11 27
Caught 4 Avocets + some Herpsilines +
2 Tancies + 1 Diploeps + 4 Shrewmohiles.
Looked the traps in the meadow + up by
the R.K. Shot some birds.
Wrote 12 woolen skins + 2 birds.
A clear warm day.
Found an Osprey nest with 4 eggs
+ a Spigella Brown's with 3 eggs.

11 28
Looked all the rest of birds. Went down to
lower east of meadows + killed some
birds, 2 Ravens, + a Curlew + a Cicken +
got 5 Shrewmohiles. Traveled about
15 miles, got back at 11 o'Clock. Wrote
7 bird + 2 woolen skins + packed up.
Went over to Osprey Foot, 4 miles
north of Fairyfield.
Stopped at Bishop Bennett's
A warm, pleasant day.

Got up early & loaded shell & charm gun before breakfast. Started up Pole Canyon at 7:30. It was a long climb up the canyon & I reached the river at five o'clock. There is no water in the canyon & not much animal life. I was nearly choked when I reached the river. Killed a Squirrel & some birds. Went first through a belt of Cedars & Pinyon pines & PinusGroves, then into oak brush & then Maples. Abies Pseudosasa & Pinus and cedars on north slope not near the peaks. A hot day, got very thirsty & tired & blistered my feet. Walked about 14 miles.

July 1. Killed 4 quail & a few birds. Washed up my equipment, set a few traps. Didn't work very hard, but legs were choked so I could not walk with any comfort. A still, hot day.
July 2. Packed the specimens & sent them by mail. Packed my baggage & left Cedar Fort at 4 P.M.

A hot day with a shower. P.M. Reached Salt Lake City at 9 P.M.

July 3. Took the train at 7:30 for Park City & arrived there at 10:30. A very pleasant change of climate from Salt Lake to Park City. Went to the Crescent Hotel & got all ready to begin on Zanios laticolis. There dinner & started out right after dinner. Went up the main geyser to near the Anchor channel. Killed 13 Zanios laticolis, more than half were young of the year. Shot most of them with the lasso. Skinned & catalogued & preserved & sold up the skins. Not bad for a half day's work. Not very hot, but the people here think it is. Clear & still.

July 4. Went up the right hand geyser in A.M. to above 74 inches & nearly up toArrow. Killed 18 Zanies + 2 Zonites + a young Jace. Found nice water close to the units. The town water is foul & stinking from rubbish thrown into it at the camps. In P.M. went up past the Anchor geyser but did not find much. Got 6 Zanias
July 5 Went out early + killed 1 moose.  Fluorescent Roe deer.  This makes 36. Skinned them + sold them all up strongly in prices.  Did leave writing + got ready to leave.  Started down the road at 5 P.M.  Reached Salt Lake City at 7.  The R.O. was closed + could not find anyone. A warm day.  Salt Lake is full of people.
July 6 Sunday. The P.O. did not open till 12 M. Then I found Dutcher & took him to church in afternoon.

Left Salt Lake for Ogden at 8 P.M.
A hot day, clear & still.

At Ogden, Utah.
Got up early & began on the Chihuahua mines that I brought down from Paza City. Found them to be in good condition. We got them all stuffed & pinned down in the tent before noon.

Got an 8.50 barrel put in my shot gun by Browning Bros. Picked out our squad that got some things for the tent.

Washing for bed down by the river in evening, but only saw one & did not do a shot.

Clear, not very warm.

8 Got some more things & did a good deal of traveling around & reconnoitering. In P.M. took our guns & went out to the beach. Had a good time in the lake but did not kill anything.

Started for Blackfoot toca. at 7 P.M.
July 9 Arrived at Blackfoot at daybreak and found Shutes waiting for us. Got breakfast and then took a team down to the river a mile from town. Found a good place to camp and got a team to haul our stuff down and camped by the river, we all settled down noon and slept in P.M. Shutes killed a deer for supper. A very pleasant day. Cooked a little and bought most of our provisions and ready to go.

10 Caught a Dipchoo & 2 S. wolves & 4 Headed of our traps. Set out more traps, made up skins. Went to town after some more supplies and sugar. Did not kill much. It was cloudy and windy. Rutley went. Shutes caught a Varmin - a job from of 4'thicks.

11 Left the Hacking & went for Rutley. Rutley went hunting for parts of our outfit. Bought a wagon & bought butter & salt & found where I could get work horses. Hired a cook.
Each of the boys caught an Omulgeups & Dutchy got 37 & also
5 Breasted 2 Tannias. Besides other
things
A very pleasant day.

July 12
Took Dutchy & went up to
Mowrock ranch, 25 miles up the Blackfoot
River, to get a horse
crossed the sagebrush plains that
are all he irrigated & will be something
went through sides of Black packed
small sand island & saw lots of
trees of D. juniperus & Misc. Trees
Fougeres S. malfos & some Tannias
at little. Caught a half fledged
Curlin. There were hills & streams near
among the hills.
Followed up the river of the Blackfoot
when the river is cut down from one
to 200 ft. Through basaltic land.
Also large meadows & prairies
along the creek. Went up the creek
about 12 miles, passed a lot of prairie
grass is good all over the hills. Cedars
become down on large brush &
berry bushes are all along the creeks.
Killed an Otaria & brown master, eight
bead & more. Killed a Tannias
a S. townsville, the last is very numerous. Roos are loaded with underground berries, smooth and delicious. Warrambula berries are numerous & many side - all over the side hills.

Picked out a good word team from above of some 50 roos.
Staid all night at the ranch.

July 13 Took my horses & started back to camp, arrived there at 5 P.M. Found the boys busy at camp, they had some new things.

A hot day, dusty & windy.

14 Went to town & got my wagon repaired, got a harness & put it together, bought a lot of supplies & returned to camp with a team & wagon.

Helped make up a few skins, Steve caught 4 Thursdays elusor.

Both of them got some moumanas.

Dutchess found 2 sets of Night Heron eggs.

Wednesday, a shower & wind storm in P.M. cattle in evening.
Went in swimming.
July 15 The boys went to their tents & I took the team + wagon to town + had the tires set + some repairs done. Took till 3 P.M. I had to attend to it all myself. Next, Dutch & I took our horses + rode up on the hills S. E. of town + cut 34 teaks for mice + small things. D. killed an Otter + I got a rattlesnake + a 5. wornis. Packed a box of claims in evening.

16 Went to town, but did not get anything of account except a large kind of Fornorgs. Put up after dinner + in P.M. packed a lot of provisions, and sent them by mail. Went to town + bought supplies for a month. A warm day, rained in evening.

17 Packed up + crossed the Snake R. Camped till night about 5 miles W. of R. Hunted + handled on the lava beds. Killed a Turonias + caught a Thormorgs. Dutch killed a Porwills + Streeter killed a large earth Drill, both on the lava. Met a Sazhen.
The lava beds are the most wonderful I ever saw. It is black, porous, and has been rolled, twisted, and pushed and piled in all manner of shapes. The lava is from 16 to 20 feet thick. In places it is cracked to the bottom, cracks several feet wide, there are holes sometimes 20 feet deep when the lava has sunk. caves & holes are numerous. The bottoms of the cracks & holes we waist & grass & some grow in them, but we could find no water. A few small cedars grew over the bare, black fielded so the & some small plants where there is a little soil. It rained while we were on the rocks & we sucked up enough water from the holes to quench our thirst. A few hours baking on it took the coal nearby off our shoes.

Skinned a few things & started on at 7 P.M. so us to travel most of the way to Big Butte in the night. A lot lay with rain in P.M.
July 18. Travelled most of night, slept a few hours + then started again at sunrise. Reached Big Butte stage station by the side of Big Butte at 10 A.M. Found we could buy water + soap, caused by the lava beds already from the station. Set traps, made sapper skins, met some one report in evening. Cloudy + cool most of day. a little rain in evening. Heard 2 Poor will in evening. Killed 2 Rattlesnakes + Strata killed a Bullsnake.

19 Went to traps + found 2 Hexagonos + 1 Newtonia. Had 28 traps set Strata + Dutchy did no better, so it is evident that animal life is scarce. Found numerous kenoa of Antoonya all over the lava beds but none of it, fish. Could find none of the animals themselves + believe they, with the Ephemérides, are hibernating. Dutchy + the cook climbed the butte + brought down a Zania + a Scopolia + Spigilla + Specimen of Pinus flexilis, P. monzana, + Pinus douglasii. They found no water on the butte + but little animal life.
Sunday.
 Went to stop in morning & found our Nutoria. Found 2 Rattlesnakes & a lot of broken obsidian arrowheads.
 A warm day & no shade but our tent.

July 20
 Got up at 4:30 & took up traps.
 Skinned 2 animals, packed up & left camp at 7:30.
 Cidestol sagebrush plain down to the Big Lava. Re camped at the nearest point on it 7 miles from Big Butte.
 Camped at 11 A.M.
 Dutcher & Streeter each killed a Rattle snake.

The lava extends & across Big Lost River. The river runs most of the way in a lava rock channel.
 The water is pure & cool & runs very rapidly. Populus aquatica grew along both sides of the river. Cedar grew on the rocks.
 Willows grow along the stream.
July 22. Caught a Th remedy - illness - a
stenophillus mole and a rhinoc. 11
headaches. Dutch a got an Omerchough.
All thieves we put 27 mangy and skins
and find. Rent keys bit didn't
have time to hunt much.

July 25. Have been sick for 2 days, did not
write or do anything. The keys kept
busy collecting & have worked worked up
the place pretty thoroughly.
Packed up & started for Area. Found it a
settlement on the Big Local river
below the mill. Bought a few supplies
wood specimens & got our brine
and judged on up the river & camped
8 miles above town. On the east side
set traps. Mosquitoes fearful thick.

July 26. Dutch & steer & the others hunted all of all.
found nothing of account. The hills are
dry & filled, something seems to have
destroyed all of the Woodchucks & most
other mammals. The Mosquitoes near
killed the rabbits we decided to leave.
 Came down to Acker & left this at 5 P.M. Rachet
tells Local R. at 12 P.M. can't find.
July 27 Sunday. Went up the Little Lost R. till we found a grass field to take our horses in & camped for the day.

28 Started early, traveled up the valley about 15 miles without finding any grass. Turned off toward the east. On the east side, went 7 miles up across the bench & camped at the mouth of a deep cove. A stream of cold water comes out of the cove, brush grows along the stream & there are lots of delicious gooseberries.

29 Went up cove nearly to highest timber. Found a grassy fork high up. Found some big Squaw Grass is good on the ridge. Birds & small animals are scarce. Pumas, Thrifties, & P. Douglasii are the only country seen. Laimas, Lethalis & a smaller Family are common in the cove, both climb trees. Got back & camp at 1 P.M. Made up skins in P. 81. Ate lots of gooseberries, killed some Blue Grouse.
July 30. Went up cañon again. Killed a lot of Chipmunks. Dutches found a Potahine and a Mootona. Had a lot of obins to wake up in P.M. and did not get all done before dark. Have a shady place for camp & do not put up any tents.

July 31. Didn't go up cañon far. killed some Chipmunks & caught an Anisida langeandus & shot Atdgers. Strater caught an other kind of Anisida & Tawowajus. Made up stove in P.M. and went in my report. A cold morning but wasn't pleasant day.

Dutches isPartial a shell of dishes & feels weak in the middle.
Aug. 1

Sent the cook up the canyon after the horses while we finished up our work & report and packed up.

He couldn't find the horses till 11 P.M. So we didn't get started till 4 P.M. Drrove down to the mouth of the river - 20 miles - and camped for the night. It was too late to set traps.

Saw a Coyote + some birds along the road but did not get any thing.

Aug. 2

Broke camp early + started across to Birch Creek. We were out of provisions + have to go to Mehlha for some. Reached Birch Creek near the mouth at five o'clock.

Pushed on up the river about 20 miles further and camped for the night. Still 15 miles from Mehlha + only one motor fuel left. Have made 40 miles today + some of the way through steep sand.

Found a good many tracks of mammals around the quirks between Fart R. + Birch Creek, but they is no grass near. Found the first grass when we camped at night,
Aug. 3.

Sunday. Packet after dinner.


Haunted. Cat takes all new fruit.

Morning sun. Green Man.

Bays St. Paul's Church.

Dead a great deal. Caution.

Caution on the road. Always look ahead.

After three miles through the forest.

Caution.

Read a great deal. Caution.

The Green Man.

Sunset. Caution.

Composed a story.

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Composed a story.
Thursday, Aug. 5.

Packed my truck and headed out to the desert as planned. The exact location was just beyond Bump Creek, July 28, near the mouth of the creek. The truck was packed with camping gear and supplies for about 17 days. The trip was to start at the head of the creek and head west with a slight descent. At one point we reached a section of the creek that was shallow and we could run it with a high water level. The water was calm and clear. At the end, we parked the truck and walked to the river's edge. The view was incredible, with mountains and cliffs in the distance. We set up camp and enjoyed the solitude of the desert.

The next day, we explored the area and found some beautiful spots to camp. The weather was perfect, with a gentle breeze and clear blue skies. We spent the day hiking and exploring the desert landscape. The river was calm and peaceful, with a few small rapids to add some excitement. We camped that night and woke up to a beautiful sunrise over the desert. The water was calm and clear, and the sky was filled with stars. It was a great experience, and we left the desert feeling refreshed and renewed.

The trip was a great success, and we plan to return again next year. The desert is a beautiful and rugged place, and we look forward to exploring it further.
Reached the Ranch at 4 P.M. Found it a dry, treeless region characterized by sagebrush and alkali dust everywhere. The Artemisia tridentata is all over the valley, and along the old dry channel is often 8 feet high and branches in diameters near the ground. The soil is good and 100 square miles could be irrigated if there was enough water in it. On spotting now an camp on Birch Creek, 15 miles S. of Richards, the barometer read at 8 A.M., 25.25 feet, and 28.35 inches. At Richards Ranch at 6 P.M., 5350 feet, and at 8 P.M., 5500 feet, the average being just as received from Washington.

Set 20 traps around the Ranch in sagebrush.

A clear, warm, dusty day.

Aug. 4

Found 11 Hesperomy's carriense in my traps and nothing else.

Went down to it across the bank of Big Lost R. & Birch Creek. It is simply a big dry basin a mile wide, walled in almost all the way around by a bank 10 to 30 feet high. It is covered with sagebrush and desert plants & a little grass, is slightly more fertile than the rest of the desert.
Big Lost R. now dried up long before we reached it, but is said to have flowed into the sink during high water years ago. The soil of the sink appears to be hard and firm, a kind of clay. Probably the water of the river seeped out and a large part of it is either dead or evaporated. I cut 35 traps from the ranch down to around the sink. The signs of animals are not very numerous.

A good many Percholytraeus were killed on lambas, but our numbers were not down close to the sink.

Killed a Rhynchohysis on another.

The weather read at the ranch at 6 A.M. 53.75 F., in the sink at 10 A.M. 55 F., at the ranch again at 5 P.M. 54.20 F.

Some clouds and small showers in the distance.

Killed a Fulcomyscara as it was perched on a stick. It had an Ostracod in its stomach. They kill a good many chickens for Mr. Richards. Mr. Richards, Mr. Bowers, hunting timbers from a canon inside west of his place. They shot a vast amount of deer, and saw deer in the canons and a big deer track, some deer tracks.
Aug 7. Went to traps, caught a Diplophos + 2 Lophomys + a lot of other mice.

Windy night + round blown over many of the traps. Made up skins + hunted in P.M. Killed some Zanias.

Barometor at ranch 6 A.M. at ranch 3250 ft. elev.

8 " " In sink 3265 ft. elev.

10 " " In sink 3245 ft. elev.

1 P.M. At Ranch 3250 ft. elev.

8 Went to traps + got a Patodophos + some Housemice. Took up traps. Can't catch Plagostomus or Oryzobomys or find any signs of it.

Barometor at ranch 6 A.M. in sink 5075 ft. elev.

730 " " at ranch 5375 ft. elev.

10 " " at ranch 5350 ft. elev.

Left ranch at 10 A.M. + went up to our camp on Birch Creek where I arrived at 6 P.M. Barometor at camp 6 A.M. 3200 ft. elev. Found things in good order at camp. The cook had been on a drunk but had recovered. The boys - Dieter + Sturman - had worked steadily & collected more than a usual number of specimens including a Lagomys + a Stormiurus + a big fall Zanias, all of which they got on a trip to a canyon 50 miles East of camp.
Aug. 9. Stood at camp all day, putting up the skins taken on my trip to the valley — sighting my rifle & preparing for another trip to a higher peak S.W. of camp. A hard rain came up in P.M. out all but a corner went by without waiting. Barometer 5 A.M. 23.90 in., showers around.

"10 Sunday. Barometer at 6 A.M. 23.95 in. A heavy rain just about us in the valley & a little here. Showers around all day.

"11 Clouds thick & hanging low in morning but soon began clearing off & turned out to be a pleasant day. Dutchies & I took horses & started for Needle Peak about 10 miles S.W. to try & carry the barometers to the top. It appeared to be the highest peak of either range. We left camp at 7 A.M. crossed the creek & followed up a canyon through the mesa on the other side. Went through some rocky canyons full of old signs of woodsmen, but no fresh signs. Found one large rock canyon full of Cereus cephalophyllum. Crossed a high mesa covered with splendid grass. Saw our Sphenothis turn and 4 of their holes.
Reached the lowest timber at mouth of a cation that comes out from the mountain + picketed our horses at 10 A.M. This is at the base of the upright mountain + timber begins in the cation + on N. slope of ridge at 3205 ft (American uncorrected).

Followed up the narrow cation bottom between high rocky sides + through thick timber of Pseudotsuga douglasii. Found the first Pinnus flexilis at 3950 ft. A few Pseudotsuga tunberi were the only other tree until we find Picea engelmanni at 3100 on a steep slope facing 20° E. of N.

Following up the narrow bed of the cation we heard from a slope of alid rocks the first Lagoniaé cry at 7800 ft. Several more were heard, but they were very high & we did not see any until reaching a large alid at 8100 ft. They were at least 3 in this. We saw 2 + succeeded in taking one of them. The others went into their holes + would not come out again.

This was the highest that we heard them though Butcher found a hole + some dung about 500 ft above timberline-10500. Scirins + Zaniah latrodes + another Zaniah are common all through the timber. Gooseberries + 2 kinds of currants are common in the cation.
At about 8500 ft we left the cañon, which extends nearly E. & W., & turned
up the left side, up the steep slope of the Mt. This slope, I have a little 2.0/ W. &
is steep, often 38°. There is much slide
rock & timber covers most of it.

Picea engelmanni begins at 8900 ft
the last P. douglasii seen at 9400 ft

Pineus flexilis & Picea engelmanni become
abundant at 9900 ft & the highest
abundance of both was found at 10000 ft.

From 10000 ft up it is very sth.
Barren, broken rocks held by the jagged
bed-rock much stiffer than broken
rocks could lie alone. We hand to
use our hands almost constantly to
find it hard climbing. There are sli.
cliffs & ledges all around. Beds of
snow lie in the shaded corners &
water drips from them, but there is rt
a bit of water in the cañon below
lots of little flowers grow between the
rocks & are in full bloom. The plants
as a whole resemble those on San Juan
Mt. & many of the same species appear.

We finally abandoned our un
unnecessary baggage & climbed up till
reaching a point at the base of the
top knob, a main peak.
Here the barometer registered 11300 feet at 5 P.M., with a clear sky & a cold wind blowing. Above this the peak rises at least a thousand (1000) feet, but is so steep that to climb it would be very difficult & dangerous if possible. Perpendicular cliffs start from 10 to 25-30 feet, one back of another. It might be feasible to find cliffs through which to climb. This was on the 2 sides. The other side is said to be still more steep & rough.

We started down at 5 P.M. & followed down the crest of the ridge, only driving through a little timber till we reached our base at 7 P.M. At the breast timber when the barometer registered 3700 feet as we came up, it now registered 7800 feet at 7 P.M. A long, dark side house was supposed to have finished the day's work.

Sidewater took the other canoe & went up a canyon in the same east of us. I thought back 17 streams, among them 8 Lagomus.

The barometer registered 7000 feet on our return to camp at 10 P.M., which is 400 above what it read at 7 A.M. before going up the Mt.
Aug. 12. We have all more work at camp today than we can do, preparing yesterday's specimens. I have to go to Kalob in the P.M. to pack up a few specimens by mail. We're all busy from early till late. A clear, cool day.

At camp at 6 A.M. 6:30 a.m.

Nimchik 3 P.M. 7:30 a.m.

Back to camp 7 p.m. 8:30 a.m. Clear + cool.

13. From the traps + morning-shooting we had a few skins to make up. This + a little writing kept us busy till noon. In P.M. I worked on plants to identify some from the mountain + desert. After supper went down the creek half a mile to cut an older log. Clear + cool.

14. Found an old & other in my trap. Late on Saturd. found 2 half-grown young Alida near the place I killed one of these. Dutch's caught 2 ptarmigan + a Neapolitan. Saturd. 2 Matowas. Made up skins, hunted + worked on plants part of the P.M.

Mostly clear + bright, a little show at 1 p.m.
Aug. 15: Catches got 3 Natives & he & Street hunt birds & racoon skins all day. I write all day on my report.

Rained hard in P.M. which bothered us a good deal. We are trying to get ready to move camp tomorrow morning & go into Luriki Creek.

Aug. 16: Took up riego, packed up, sent six boxes of supplies by mail, 7 at 8 A.M. started for Luriki Valley. Went past Mielokig, took the upper, or east, road over the hill. Crossed the divide at 3,315 ft. Took down hill, soon reached the creek & followed down it 4 miles of junction & camped by the creek. Came 46 miles. Camped before dark. Not much fed.

A little difference in plants noticed on crossing the divide. Lining t Costcoes are in blossom now numerous. Home on the divide.

Several features of the country about like the valley of Black Creek.

Aug. 17 Sunday, started in camp, caught trout & ate 24 for our dinner. Saw a Bear track by the creek.
Aug. 18
Took our horses & riding to creek about 6 miles to see if we could find signs of Bear. Could not start any be returned to camp. Got an early lunch, packed up & started for the timber in Timber Creek Valley. Took an old wood road. Found it a bogy pull, all up hill for 12 miles & it rained & hailed hard while we went on the road. Had to go slowly & did not reach timber till nearly dark. Camped under big trees about 12 miles from Junction on the west side of Timber Creek Valley a mile from the creek on one of the little streams that flows into it. Trees is heavy timber, all up the sides of the mountains, big cedar, pines, lots of nice little streams & springs. A splendid place to camp.

19. Started went up the side hill to timberline & got at logpens & other things. Dutchers followed up a ca\textsuperscript{t}on & around through timber & got a lot of fishinings. I went up the creek valley period miles and around through the timber, found
Aug. 20. Started went up the mountain but did not get many animals. Some birds. Dutches took flight to Junction. Wrote a request for plants, some letters. Did a lot of little jobs that needed doing. Made a few claim, put 11 tags for Hommyg. A splendid, clear, cool day.

Aug. 21. Dutches. Started & I took a trip up the creek valley for about 4 miles & cleared the thick brush along the creek. Hoped to drive out deer or bear or other game but did not succeed. Found some deer tracks & saw 2 at the No. 8 trap for them. Went up another deep, rocky canyon to the west of the creek but found nothing except a few Deer tracks. Did not return to camp till about 2 P.M. Made up some claims & put a few traps in.
Aug. 23 Went to my Beaver Trap but it was empty. Rept it & set 24 cydones for Arvidus. Set new traps near camp in P.M. Did not get much to skin. A clear, pleasant day.

"23. Went to traps & got some Arvidas & Soedics & a Zofus. Returning to camp at noon I found Dr. C. H. Merriam at camp. Started packed up & started at 3 P.M. for Walla Walla, Wash.

Sept with Mr. Merriam & Butcher

Localities: Benzie

Junction

Bemhi Valley

Pemhi Valley

Salmon River Valley

Big Fork River Sept 22

Santooth Lake Oct 3
Humboldt Wells, Nevada

Oct. 18. C. H. Meriam & B. H. Dutcher left us last night for their boxes, starting from Humboldt Wells, Nevada, at its evening. Henry & I stood over night near Humboldt Wells & this morning came 8 miles on the road to Elko. Camped at a ranch on the first little stream coming down from the north end of the East Humboldt Mts. The first hills are a mile away, the country around our camp is dry sagebrush plain, a little rolling, & a meadow along the creek. Call are a few trees, cedars & brushy shrubs, upon the Mts. there are bunches of willows along the creeks. Saw several Tamarisk pictures (?) & shot two. One has a very dark under side to its tail. Shot a Raven at Wells & it flew over our wagon. They are numerous. Made up the upside down skin that was caught at these Creeks, but couldn't find their skulls. Made up 2 & the Raven 2 at 87 traps forw. Tamarisk, Tamarisk, Tamarisk, 5.5 signatures. Pleasant frosty morning, very warm, pleasant all day.
Oct. 19. Went to traps + took out 10 Arvicolas, 1 Hesperomés, 6 Tamias richeri(3), one Oryctolagus + one Perognathus.

A warm, pleasant day, some cloudy. Stayed about camp all day.


A clear, frosty morning, 28° at sunrise. Warm + pleasant all day.

Skinned most of the things before noon. Henry had the wagon all ready + we had lunch + started at noon.

Took the road along the foot hills S. of the R.R. Crossed little streams in nearly every valley. They come down out of the canyons of the East Humboldt Mts. These are springs in every little stream, mostly by rainbows, some large ones. Wheat, oats, potatoes + alfalfa are raised.

The road follows a general level parallel with the valley + a grade, shall higher up. Witnesser, Pichard, + Lebourotas are the characteristic plants. Amelanchier + Castoræa (men?3) are abundant on the foot hills. Poppies + other brush grow on the Mts. No much timber.
Crossed the river to the west side & camped close to Death.
Saw lots of Laminia fluitans (?), all day.
One Upon predominates.
Saw a Slaty-backed, a Steller's, & a few Ravens, saw a flock of ducks flying up the river.
The characiforms, stellers, & alders on the rim will not work.

Oct. 21

Didn't camp early enough & set traps last night, so had none to look after in warping. Packed up & went to the P.O. & mailed letters & my barometer. Left Death at about 9 A.M. Followed down the west side of river & R.A. to Hallick 12 miles.
The river meadow is all spread up & we found no water almost. Little wild white stream, so fed outside of the fences & no one living out this side of valley.

Couldn't camp till we reached Hallick at 2 P.M.
The flat valley averages about one mile wide, is mostly grass with winter grass & salt grass. The sides have the hills with Saxifraga congesta & Tetradium.
A crust of white alkali covers much of the meadow. The water in the river is foul and alkaline, in dry part of the way and again runs a small stream. There are a few willows along the stream. On the west the country is flat and clay hills covered with Artemisia tridentata. Some of it is sandy, the road is sandy much of the way. The wagon runs hard. There is usually one to 2 inches of loose dust in the road where not sandy. A cloud of dust rolls as we go along.

Summarised: 6 lizards + two lizards + these set traps till dark. At 25 mph mostly for Pekognathus & Cyphomantis. A still, short morning. 83° at midday. A hot day, cool writing.

Act 22, caught 4 Pekognathus of two kinds. 2 little slim bodies one dark fuscus & 2 heavy footed, big bailed one that are so different from any I knew of that they make another genus. Did not catch another thing in night, not even a little snake, which is strange. Set 14 traps for lizards in morning & in evening took one 14 lizards found.
Oct.

Set a lot more traps for Porcupine. 45 traps in all. The worst we had out of one line. Would have set more if I had had time. Skinned 4 and tuffed 25 mammals. Henry caught 1 Porcupine and stuffed it. Coyotes howl all around. We hear birds a seese. H. Hollick is 13 miles south of here. It is abandoned. A cool morning, 18° at sunrise. Warm through the day, some clouds and wind.

Nov. 23.

Caught one of the new kind of furry-footed Porcupine (?). 13 black Porcupine, 4 little Porcupine, 1 G. olivaceus, also one O. longipes, 2 N. gracilis. Took up 40 traps and made up 13 skins before noon.

Set lunch, packed up and started at 12 P.M. Wind down the river, about 5 miles. Camped on north side. The country is much the same as where we were at Hollick. The river is larger, set 25 traps over the hills. For the new Porcupines, did not find good signs.

A cold morning, 17°. Warm day.
Oct. 24, Caught an Onycholagus + 2 Pogonathus
fercestus (?), 4 Pogonathus Alaskanus.
The Pogonathus fairly swarm on the floe
among Grass bunches - seem to be seen
up on the hills.
Slept under rocks before 8 o'clock + followed
down the river. Crossed the North fork
5 over two ridges + then down into the
main valley again.
After crossing the North Fork, more
volcanic blend, 4 fumaroles rocky hills along
both sides of the valley. There seems to be no town about the East Harbour site.
We leave them out of sight to the E. W.
General features of country about the
same, more rocky in places, a wide
grassy meadow all along the river,
river small and sluggish.
Reached Elbow at about 2 P.M.,
Did what business I could + then went
on to the first reach out of town &
camped. A cold morning, 24° a few
minutes after sunrise - A hot day, perfectly dusty.
Oct. 25, A cold morning, 13°, clear day. A most critical first day, yet my wagon tired to cross Mildred's desert. Did not get time to eat any lunch.


Went down to the hot springs just below town, 5 large streams of boiling hot water come out of the river bank. The water is clear but contains a heavy coat of white crystals, it looks dirty. Just filled half the hot springs from the river in a pool in a rock basin. The pool is about 20 feet across, the water is clear & water a dark green but the pool is too hot to hold the hand in. If in a large at one side it cools harder. There was a man that a bit had him sit down, nearly 1000 ft. without washing bottom.

There are many Indians about these.
Oct. 27. Couldn't get my gun from the express
men till after 7 o'clock. I so did not get
started till 10. Followed down the river &
railroad about 10 miles till well into the
canyon then camped.
I can't make distances fit together. They
said it was 28 miles to Cedar, I guess
what I should think was 10 miles & they
ty it is 11 from here to Cedar.
Camped at 11 P.M. Eat lunch & began
setting tongs & kept at it till dark, set
into scope for Nevada & most of them for
Priscilla. Found good big grasshoo
hills on a sandy slope in the canyon.
There are some Nevada in the valley
The sandstone cliffs on the side of the canyon
The canyon is a mile more than 200 feet high &
not much, only 50 feet in places.
A few oaks grow on the hills, willows
grows along the river. There is meadow
most of the way along the river but

- V. donacinae
- Sarcopteryx \_reinhardti
- Actinophyllum

grow along the valley & on the sides of the
canyon.

Found a lot of dung of Antelope among
boulders. There are lots of trout in the
river, salmon trout that weigh nearly 3 pounds.

A cold morning. Mournfully:
Bowed my head.
Oct. 30, Caught & Requiemus albinus +
40 Myelomys. + a Hesperomys cuniculus
& 2 N. Sourcinius. Did not get a
Neotoma.
Made up all the specimens before
starting + did not get off till 1 P.M.
Followed down the canyon, crossed the
river 4 times + went through 8 gates
Came out to Cardia at 4 P.M. +
Camped a mile below Cardia at
5 o'clock. I set traps till dark, at
75. Found the holes of some Dipso-
Some miles east of beds of Cardia
lavata, which is common here on the
hills. Only rarely seen before.
Atchellit, confictiue is very abundant
A good wind + warm day.
Road siny + dusty, only came 12 miles —
It is much warmer up on the hills +
mountains than in the valley. The
mice in my lower trap were frozen hard
there in the traps but appeared not frozen.
The pudicus slick out doors without
blankets + to keep warm keep a fire all
night + sit close to it. They generally
go high up on a bight.
Oct 29
Caught a fish today on a fly leader. They were absolutely everywhere. The water is clear and still, allowing me to see the fish, even though they were in about 2 feet of water. I tied a small fly with a red body and a yellow tail and started casting. The fish were biting, and I had my first catch in about an hour. I was elated and continued fishing for the remainder of the day. What a fantastic day it was!
After lunch I went out & killed 2 Tamarisk Flies & Henry killed 3. I set 32 traps but did not find good signs, no signs of Tamarisk Lizards, or Wetmore. Found a Diplogecko dubia. Made up 4 skins & measured the Chimney Rock specimens. It is strange to find T. lactea box with not even a cedar tree in sight. We are probably about 60 miles from Polacoda. I should think about 5 miles. Can see the valley west of us 4 or 8 miles ahead. From what I have seen of the country I think Polacoda would be a good point on the R.R. for collecting. Eremophiles & Tamarisk Lizards ought to be found there, also Wetmore. Elles would be another good point for Eremophiles & Pteronotus & other things. I do not get many of the species in going over the ground so far.

A cold morning, warm day.
Oct. 30. Caught 3 Taninas piets and Dipodytes in H. magnigeminus. Went to work at skinning as soon as possible but it took till noon to get them all put up. 13 alpine marmots.

Left camp at 11:30. Followed down the little stream that we camped on for 4 miles to where it dried up. Then over a hill and down across ridges to the river. Stuck East Humboldt R. about 5 miles above Bearwase. Camped just at dark half a mile from Bearwase.

The river valley is about the same as all along, big stretches along the middle. Sazedothl, Abimelchiotics, Tetradium, Sage brush along the sides of the valley. The valley is most of the way along about a mile wide, quite level. There is not much fall to the river.

Dust is dry and soft along the valley and tracks along. Didn't see Dipodytes or large rabbit tracks are numerous. The Ratsites have been seen all along and no Dipodytes track. Once last camp (that is about 5 miles north of Prickled) was about half way from Bearwase to Carlin on the dirt road south of the Mt.

A warm morning, locally frosty. Pleasant day.
Oct 31, Got an early start, passed through Bowers and went nearly north through big grassy pastures till we rounded Shadow Point, then turned west and followed the valley road along north side of river to within 9 miles of Battle Mountain. Came about 3 miles, camped eastly to let the horses feed. From Shadow Point to Battle Mountain there is a wide valley, from 2 6 miles wide, mostly covered with grass & sunflowers. There is much good hay of more big measuring. Wild sunflowers grow thick over much of the valley. It is a large kind, about 6 or 8 feet high. Looks like a forb on Helianthus giganteus. Thick willows & rose bushes grow along the river. The river is very meandering with low, steep banks. Bare loam hills run along both sides of the valley or are near 10 to 15 feet high. Not a tree to be seen. Camped near Augusta station at the ranch of Milo Slavon. Traded Nancy to Slavon for a good horse. They said to be lots of wild logs (poplar, willow) along the creek. Zaniah bledriss is said to be common. Caught a big bowman. A clear, warm day.
Oct. 21, 1894

Dec. 21, 1894

Went to Battle Mountain & got our No. 1, mail & some supplies & told our horses to pull up to take along. When we left town it was 8 o'clock & we went down by the river & camped for the night. There is no water for the first 20 miles on the Austin road, so we could not start out so late.

Toward the trip up the mountains caught last night. They are abundant in the meadow land of the valley, make large holes & hills. Then they are so large that they can take a roo. trip down this hole & I have to route the trip to Battle Mountain is in the grassbrush edge of the valley. The valley is wide & strewn with big grass. Small groups & ranges of low, London treeless, mountains are all around. Some bears may be 2000 feet above the valley. A little snow lies on the highest peak, south of town.

The higher part of the valley is covered with Deseretites in brush, between which the low ground beard white cover of alkali. A clear cold morning & warm day. Got the 3 gallons of alcohol sent by Polver.
Nov. 2 — Sunday, camped down by the river. Spent a quiet day reading & writing. Got 5 Hornungs in my traps, big blue, or white, never saw any like them before. They make big hill & big holes over the meadows. There are a few Kestrel Magpies around & a few Wilde & a few Marsh Hawks. A clear, pleasant day.

Broke camp at approximately 0600 and went back through town. Had to wait for 1200, Office had not opened yet. Got out of town as soon as we could & started on the Austin Road. 3 miles S. of town we came to a big spring near some hills. Hornungs hill dress thick & also signs of mice all throughout the greasebrush by the slough. Camped at the spring & 18 Hornungs traps the first thing we went to browning. Caught 3 Hornungs before nightfall. Henry caught a round tailed Vole, found when they live among some rocks near by. I shot over 50 Ducks & Henry 50 more. This is a good time & we worked around the spring. Henry killed a long billed water rail & the three Rails.
The valley is flat up to the foot hills, it is covered with Sarcostigma
vermiculata & Alternanthera confertiflora & a little Tetradium. Between
plants the ground is bare & sandy. The surface of lava rock is
covered with Aristota.

A clear warm day