June 19
Got an Indian to take me down to the Indian Agency 18 miles from Woodworth on the east side of the river 3 miles above where it enters Pyramid Lake and 4 miles from Winnemucca Lake. Winnemucca Lake is known to all the people here as Wind Lake. Followed down the valley on west side of river & crossed near the Agency. Saw lots of Pheasants hundreds of S.wallows 30 or 40 S.lewences & lots of lizards & crickets. Saw Crotaphytus, Calaisaurus, Cernidechmus & a little Red-tailed. Got oblivious of all near the agency & killed some S.wallows & S.lewences. Caught on Thoroughly.

There is arrow on some of the feller wounded. The valley is not very large to all around are all Ults. desert ranges. Plants are all desert flowers such as Astrak, eschscholzia, Sarcobata, Eremumeus, Astrak canescens & Torrey (?), Sueda Lysium (anderiai ?), Tecodemia canescens, stems. Artemisia tridentata, silver sage, Cottonwoods & willows grow on the flats.
June 20 Caught nothing in the lights set over night. Could find no tracks or signs of Dipodomys or Perdixius in morning before Skunk Ants had come out. Made big gizzard skippers and in afternoon went down to Pyramid Lake. Mountains rise from edge of lake part of the way. Some with sand flats & great masses of junipers & salt grass & other sedges & grass. High, rock islands in the lake look like pyramids & give the lake its name. Near shore the water was muddy. Out away the waves looked a brilliant green. There were fully 200 pelicans sitting along the shore near the mouth of the river. I never saw such a sight of big birds before. Saw dozens of hawks that killed only one. Killed 2 S. lixivas & saw a lot more. A very pleasant day. Could find no signs of Dipodomys in the sand dunes around lake. Set some traps there but expect to catch only S. mollius which awakens.
Pyramid Lake

June 21  Caught over each of Proteus & Dipodaeps. Set a lot now tales to them. Have to cut those just at dusk so the serephrodite won't get in them. Got 2 Bats in evening. A warm day.

June 22  Caught a Dipodaeps 7 Proteus 1 Parapoecilus, Shot 2 Rabbits. 2 S. lieneus. 3 Hands, 200 lizards & 2 mice. Went down to lake. Killed 3 Bats. Cool & windy.

June 23  Caught a Dipodaeps & 20 other things. Afternoon over to a caion across on west side of valley but found very little of interest. Got some lizards. Found the little wild fowl 1 a felix & jennifers.

June 24  Went down to the lake (Pyramid lake) got a boat of an Indian and went to the big island near middle of lake. It is about 10 miles from the south end of lake 5 at the nearest point about a mile from shore. It rocksy, about 500 ft high and tall enough across. An old standing 50 to 100 ft above lake froms
Pyramid Lake

A mare part of the way around. Found no birds breeding on it now, though Pelicans & gulls breed here in great numbers. Found old nests. People said there were swarms of Bottles, snakes on the island but I found only 5 lizards & 3 species of lizards. Spiders were exceedingly numerous. How many hills & evidentially Pterogaster holes were common & Trinaria signs will seen in cases.

Vegetation is dry, but there is 1 large rose bush, 1 grass & Atriplex. Goats have been put on the land & drew a few tracks & trails. Got some shells. A good stiff breeze helped me in coming back, but made pretty rigorous.

June 21 Sunday. There was one
Dichotomous in my trial. Went to S.S. took a tray of mammals & talked to about 80 Eskimos & a dozen white people about mammals.
To Wadsworth

June 24. Caught some more things & made up skins. Found I could go to Wadsworth in afternoon so hurried up & packed specimens & packed my trunk. Left 6 AM. Started at 3:30. Got mail & Wadsworth & wrote letters in evening. Took a 10 P.M. train for Elko.

June 25. Arrived at Elko before breakfast. Ran around a little & then wrote on my report till noon. In P.M. took traps & set for Microdyops. Found some tracks that I thought were thines but guess they were 4 young <b>Perodips</b>. Set 56 traps.


Hot day, uh 80°.
Mammals taken at Hallock

June 28
Microtus ochrogaster, June 28, 2, 29, 3, 30, 4, July 1, 2, 3, 8, 9, 10
Pusillus minimus, " #, " 15 " 6, 8, 7, 4, 2
S. wollis
P. pessinensis 3 4 6 8 9

Lysurus idahoensis
Situus
Onychogalea
Thomomys

July 2, Sunday, found 3 Microtus ochrogaster. One left-side bone in the traps.
Besides some Pusillus minimus, S. wollis & Situs.

July 3, Got 4 Microtus ochrogaster & a young Lysurus idahoensis & caught 3 of the big Situsus.
Finished & sent my Pyramid lake report.

July 4, Caught 2 Microtus ochrogaster and 2 Lysurus idahoensis and 9 Pusillus minimus & no Sitousus. Made 17 skins and 2 skull & vertebrae. Packed a box of specimens. Packed my things, took off traps and left Hallock at 11:42 P.M. Found I would have to take two days for the trip to the Miw & gave it up.

July 5, Reached Big Tim in morning. Got no word of account. Loaded over wagons and inquired about losses. Went down to Hazenington and stayed the rest of the day. Went up the Miw & took of Hazenington but found no Lanius.
July 9 Went to Salt Lake City and studied wagons till time for the train to Park City, then to Park City for 5 castaneous skeletons. Did not arrive till 7 P.M. It was then too late for the squirrels. In coming above the R. A. I saw dozens of 5. Advancing from below the Half way House up to Park City, they were as numerous as was 5. Elevans through Wyoming, but not so numerous as 5. Wolves at Pyramid Lake. I think they are four times as numerous as when I was here 3 years ago yesterday. Saw a Lewis Woodpecker (M. Torquatus) just before reaching Park City. A perfectly sure of the species. It flew slowly past the train, showing the tawny side and black back perfectly plainly.

A cold evening at Park C.
July 7. Started up the mountain early and at 6 a.m. saw the first strangler cattawas. Killed it and two more. A 5. a.m. started, returned to hotel. Got breakfast and took the 8 a.m. train for Salt Lake City. Arrived at 10:35 and had to wait till 4:30 for a train to Ogden. Looked over the wagons in Salt Lake City and wrote letters. Reached Ogden in evening and stopped at the Executive Hotel. Got a telegram that was too late for wait. Cold in morning of Park City. Had to wear gloves & all the clothes I had along. Saw a We личноsh torteatus in the same place where I saw it last night.

July 12. Sat trails on South fork river and caught one Pterogrothamus cinnamow in my hands. Looked up horses and picked out a buckboard and had additions put on it. Looked at more horses
July 11, 1865

Losing went to troops camp at Paradise. Spent most of the day in picking out and trying horses. Got a pretty good team for $75 and Losing got a saddle bag for $25. Got them both. Found a man that I guess will do.

July 12. Moved our outfit down to Stakes farm and camped.

July 13. Went up Ogden Cañon to

10 miles from Ogden. Saw some "Pemophillus armatus", but no other

new mammals for the locality. Came back in time to set out a

lot of traps. Losing killed a big
gull on Weber River.

July 14. Went after my saddle horses and

then got them and Losing horses stood

Set traps in evening.

Caught some Peromyscus and Rodentus

in morning.

July 17. Packed up and moved up the valley to near Hot Springs. Our horse was too lame to walk so we got another horse and left it. Will send back for it again in a few days.

July 18. Went past Hot Springs about a mile and turned up to a canon about Chamberlains Ranch and camped. Set traps up the canon.

July 19. Caught only a thicketed eiseren and shot some families doves & birds. Losing went back to Ogden and found our horse still too lame to travel so traded her for the one we bought. Now we are all ready to push on to Bear Lake.

A hot day.
July 20  Started from camp at 8 A.M. and followed up valley 12 miles to Brigham, killed a Cotton-tail and saw 22 Jack-Hawks. From Brigham turned east and followed 2-elder Creek up through the canyon to the little town of Martha, then turned to the north and crossed the divide of the divide and struck down another creek to Cache Valley and camped at Wellville Camp about 50 miles. The divide was not high and a good road all the way. Near the summit we killed a Tamariscineus over just on the west slope of summit killed 4 S. armatus. Martha is in a pretty mountain park but steep, have eaten the hills all around half. We crossed the summit with a basin and little lake between. At 15 Herring quills in the lake we killed one and found it stored full of crickets.

Along the creeks the primitive trees and shrubs are Rees plateriana, Populus angustifolia, willow, Alnus, Salix, Betula occidentale, Carex, Vaccinium accumbens, Amelanchier, rose, Ornithogalum, a leek, siber, Cercocarpus, Cowania
July 21  Cach Creek is 8 or 10 miles wide at this point. It appears to be a very long valley, extending out of sight both ways. It is well supplied with water, little beeches running through it and numerous side streams coming down from the ranges. Most of the valley is cultivated. Houses & trees are numerous. It is the best valley I have seen in Utah. Traveling to the east we crossed the valley and passing through Hyrum we struck into Blacksmith's Fork Creek and followed up it about 5 or 10 miles and camped. Found a fairly good road and easy grade. The creek is narrow and the sides high so there is little fertile land in it. 2 or 3 little ravines. A good sized stream comes down it, some 40 ft wide and 2 feet deep and very cold. The banks along each side are not very high. Shub have eaten off most of the grass. Douglas fir trees covered the upper slopes and came down into the action in places, junipers and Cirsium arvense and a Cowania species are common. Betula occidentalis + Populus angustifolia and Willows, Alnus, Amelanchius, Creptica, ...
Prunus virginiana & Ceraceus fill the bottom of the Canyon along the ledges. Populus tremuloides & Ceraceus latifolius & Sperse & willow and Kern-thus grow on the slopes. We camped at a nice little meadow by the creek, camped early and climbed up the ridge but found nothing of account. Saw lots of Deer tracks and going short & Blue grouse. Killed a made up a S. aspinus, Saw 2 S. grammicus at lower end of canyon near toll gate. Did not strike Aspinus till we camped. Killed one bat. Set some traps. Did not have time to catch any fish. Saw one lannie, probably minkies, other beared. Saw dying tracks.

A hot day. A thunder storm passed near us in P.M.

Amelanchier banners are abundant in the canyon and the largest & nicest I ever saw. Yellow currants are also abundant. Came about 18 or 20 miles.
Walsworth Jtts.

July 22. Caught 2 Porcupines & 2 Marmots. Losing got 2 Marmots. Lynxes took the 
boat from our trip & tracked all along the road. Started early & followed up 
Blacksmith's fork to head of cañon, about 
5 miles, then turned to the north and 
climbed over long slopes up & down, then down to another branch of Blacksmith's 
fork, then over another ridge & down 
to another little stream that was 
early dry and camped. Were 
probably still 10 miles S.W. of Lashtam. 
Should think our altitude was about 9000. 
On coming up the cañon we saw Tamaris 
dorsalis + lots of 3; pyramidus + 5 Ascomyces 
+ 2 Tamaris of castaneous. Losing killed 
an Ascomyces + 2 castaneous. Tamaris 
minor was common most of the way & we killed what we wanted. Shot & devoured 
The young one about half grown. We asked 
most of them. We each killed a Pine Squirrel 
Saw Bear signs. Some other fellows saw a 
Bear about a mile from our camp. 
Killed some new bears. Set a few traps. 
Hunted a little. Raised a little in P.M. 
Sheep have eaten up the country.
July 23 Sunday — Caught nothing in the few traps we had set. Went for a long walk over the ridges and saw some bear signs, saw where we had grazed the back off a deer and rubbed some brown hair off an another tin. Saw a lot of sage hens and killed 8 old ones. They are good and do not taste of sage. Some familiar plants are common here around camp. Potentilla fruticosa, Fragaria speciosa, Gentiana asclepia and Fillia capensis, besides Artemisia tridentata. A. cana & A. trifida are common. Fragaria palena and Amelanchiers are common. Pseudolestes longisii and Abies concolor are the only菩提es seen. Junipers & Arcegetis and Pedioceras are the principal trees. There are lots of weedy plant like weeds, but the grass is short and grazed down by cattle and sheep. Where sheep both run the ground is mostly bare of grass & small plant. Cold night and frosty morning. A cool day & cold evening.
July 24
Got an early start and came down to Lakeview, 12 miles, and camped at south end of Bear Lake. Came through a park and up another divide, then followed John Cottonwood Creek to the lake.
Passed some better places to camp and collect than we had seen before, but did not stop. There were some deep canons full of timber and splendid grass all over the high part of the range.
Passed a camp of Shoshone Indians with a lot of version dressing and some deer tongues and hides hanging up.
Passed a good deal of Pinyon Juniper but no other Pines. Spruces and other trees are scarce. We came down a sort of very still slope along Cottonwood Creek for about 6 miles. Probably did not come down more than 2000 feet. Bear lakes is just 6000. Was much pleased to find my own rod at the P.O.
Shot a big Wexel just as we started and shot some half-grown Sage Grouse.
Saw a flock of argustiathus again when halfway down the slope. Set tucks and shot a Parp eup.
July 25
Caught one fish, 1 Blink, 4 Amiclea
(Algicola), 4 Sturnus, 2 Zanius, 25 Anomalus
Laying out a fish & a Musmusculus and shot some birds & a bat.
Made up skins. A cool day and
lain in the mt. around
Bear Lake is a lovely sheet of blue
water surrounded by mountains. It is
about 30 miles long. The W side of
it are low and sprinkled over
with bushes. West on the west —
Bear Lake Mt. — are high and covered
at the summits with heavy coniferous
forests; whereas an abrupt bank ends
and roads & logs are hauled down from
them. The people of Laketown are all
Mormons. Yesterday they were all out
to the grove celebrating the 24th July —
Pioneer day - The day on which Brigham
Young & party reached Salt Lake Valley in
1847.

July 26
Caught a few things in the morning. In P.M. made out ones
refloater for the trip from Ogden & for
Laketown.
July 27  Picked up our tents and started north before 6 o'clock. Followed up the east side of Bear Lake to a big spring some 3 or miles north of the end of the main lake and camped. Followed the lake close all the way. Passed several ranches, killed 2 Aztopups and 7 S. castorines on the rocks near the lake. Killed several Cottontails and losing got 2 Lakes campstoves. Saw 3 Coyotes and lots of Tawny minnows & S. Caracets. Found a Perognathus in one of my tents. Saw some new birds along the lake. A horned quet came up close to shore and just as I was going to aux her 2 downy young swam out from the grass one caught hold of the old bird's feathers and the other hold of it and she swam resfully towing them after her. Then one let go and the other climbed up on her back and crawled under her wing. She waited for the other which also climbed on her back and went under the other wing. They went under the seaglares and will entirely out of sight but the feathers were raised. The old quet then satin solidly with them.
and when I shot at the I which kept near them, set foot and remained under water a long time, probably half an minute. When she came up, the scalwars were still raised swimming where the young were.

Set traps and made up skins till late. Camped near the lake with grass and good water but no timber.

Birches being the lake's chief part of its way.

Reeds, cattails, and willows are the most common. Black, yellow, and red Cerseis and R. hirticrinus are abundant along the foot of the hills in places. The S. castaneum are living on them.

Cinna covelpaes is common but the berries are small and dry.

From St. Charles northward the character of Deer Lake changes. Instead of another lake, quiet separate and called Mud Lake. It is about half open water and half

turtle, (juvenile barteri). The water is shallow usually 2 or 3 foot deep. It is scattered around in pools that connect by channels. The turtle are high and thick and of a black green color.
July 28

We caught 10 Porcupines, some big ones, roving greets & Winkies. Started at 9 A.M. & reached Montebello at 3 A.M. Got some supplies and then turned east up Montebello Creek and camped about 10 miles from Montebello. Averaged about 3750 A.M. at Montebello at camp for 6.50 At 6.500 Botula occidentalis & Populus angustifolia, sedge, and Populus trunulata & Pseudotsuga & Pinus flexulis began in the canyon. Easy grade and not much snow up the canyon. Most of the timber has been cut. Villages and little meadows along the stream. Went in at 5 A.M. and got out at 7 A.M. and collected signs up one side of Mt. and at a lot of traps. Made up skis in setting till 11.
Montuluer Creek State.

July 29, Caught some Aciticle Boj-icacar and 3 Phenocorns, some Sitamys and 2 Humps closures, did not stop to walk up hills down another creek, then over another ridge and across another creek, over another ridge and camped near the top by a little spring. Barometer read 6.550 at camp at 16 A.M. and 7.300 when we camped at 3 P.M. Came about 10 miles. The mountains are not very rocky, but have a good soil and are well rounded & covered with vegetation. They have been well watered but the pine & aspen forests have been mostly burned. Spruce, tamarack & firs cover some of the south slopes. Streams with willows & brush line the bottoms of the gulches. Found 2 old beaver ponds & some old cuttings above the bank. Made up skins & went steps after campfire. Killed & cooked & a lighted fire. Bedtime at 10.30 P.M.
July 30 We got some A. Sitoings, Tanies of two species S. castaneus & S. Leucus. Went E. a little S. E. and saw some 500 of the Tanies away to the north.
Saw some big A. Sitoings but did not get any.
Some thimberk car along and told us that we are on the head of Crow Creek but stil
20 miles from Star Valley.
We call it Tuesday but we are not very sure.

July 31 Went upon high ridge at day light to watch for A. Sitoings while watching.
Loring saw a Black Bear across the valley.
We went after it and drove all the thicket for several miles but did not hunt it.
Got back late and had a lot of things to skim so concluded to stay all day and cut trees again. Both of us put up
18 mammalea + not 65 trees.

Aug. 1 Loring caught 7 Zopus, 3 Warfaca,
a Sorc 5 lot of Sitoings. I got a Zopus
a Weartou, 3 A. B. E. 5 lot of Sitoings.
Broke Camp early and followed down
Crow Creek to Star Valley. Crossed
the valley to Alton and then followed...
South up the valley about 8 miles & camped. Came about 30 or 35 miles. Camped at 6 P.M. &rade up our campmals. Star Valley is about 6,450 ft high & well watered & parts of it are fine land. Where not irrigated it is barren. Hardly a trace of upper soxan comes into the valley. Spruces come down the canons to the edges all around. A few Pupulus angustifolius are the only lower zone plant noticed. Pectules reedted grows along the streams. Very few remains signs noticed in the valley except S. azuaticus & Hyunus & Badge 301 (lich). We saw one Wicked. Arrived about 6,450 in bottom of valley & 6,950 at camp in S. end. The snk. along east side of valley are higher than the Reuss Range & some of the peaks seem to have a good timber line.
Aug. 2 The horses got lost in the brush & wood did not start till about 8 o'clock. Followed up to the head of Salt Creek & then over a high ridge over down out to the head of Smith's Fork, then up one of the branches and over another ridge. Came about 20 miles over some of the worst road I ever traveled. The horses refused to haul for a long time, so I had to drive over the worst of the road.

Camped on top of a divide between the heads of Smith's Fork & Lava Cap Creek. Barometer read 1880 in winter when we broke camp and where we camped at 9 a.m., 9800.

The ground is trampled & eaten over along the road by bands of sheep-hunter. A flock of 180 horses is going just ahead of us, from Pendleton, Oregon, to Kansas.

Saw little game along the road, a few new birds & losing got some 3. castoreums. After sampling we went out & got some ground & squirrels & lagary & saw Deer & elk tracks.
Aug. 3. Hunted before breakfast & did not get a very early start. Climbed over one range & down to a branch of Smith's Fork, then over another range & down to the head of La Barge Creek. After crossing La Barge we turned up a ravine & came a mile without any road & camped on a ridge dividing La Barge & Grays River. Heavy forests of Picea engelmanni, Picea engelmanni var. montana, Pinus flexilis & Pinus flexilis var. menziesii cover the mts. except the peaks & stream valleys. The roads were steep. Came about 8 miles. Barrier & slide at camp 9100. Horse flies are so thick we had to build a shed of green boughs for the horses. Field is splendid. Set traps for small things. Saw one Deer. Deer & Elk tracks are common.

A wolf howled when we started a fire in evening. The first big wolf I ever heard. Made up extra in evening.
Aug. 4: Caught a Zapus, 1 Avieves, 2 Red Squirrels, 1 Red Marten. Loving got 7 Zapus + 2 Avieves + 2 Squirrels + 2 shot a Zapus bandit.


A warm day & the flies terrible. A sprinkler of rain in P.M.

Aug. 5: Mother of us caught anything of account. Took our baskets went around 4 or 5 miles to base of the main peaks & climbed one that reached well above timberline about a mile south of Wyoming Peak. The Barometric Read 9100 ft. caught 1400 on top of peak. The extreme upper limit of timber on S.W. slope reached 11000 ft. There were great banks of snow hundreds of little streams.

The peak we were on level a broad top & was covered with grass & plants of all kind. A beautiful lake lay just below the peak on the last rise. It is probably 9500 ft. & a good stream runs through it.
Wyoming Wds.

The usual affix plants were in full bloom above timber: Oxalis, Ranunculus, Lepidium, Uvularia, Myriostis, dwarf confrutes, Gillas + Carnus + Lysich.

Elk + deer tracks were numerous at timberline + sheep tracks few, but we saw no game. Rabbit holes were common to the top + large. There were signs + boughs + blood + turkeys, but we saw none. A few Lagomys + seen + heard. S. leucopsis + Eumus + Laminas were up to timberline. Loxomys was abundant to the top.

Otaries were in flocks + we saw a few. Antids + what seemed to be a heather. Shot a Spermophilus at 1000 feet seems to me a new species.

Got back at 6 P.M. Have a lot of things to work on + want to leave here in the morning.

Aug. 6. Caught a fox, a Zapus, a St près + an Apricola. Loping caught a lot of Zapus. Had a lot to do before leaving + did not get started till 11:30. Followed down La Barge creek about 6 miles + then
up a low ridge to the east and over a 
low divide & down to a branch of Piney Creek. 
With a gentle descent for about 4 miles we 
struck Piney Creek and following down it 
about 4 miles camped for the night. 
Came about 15 miles I guess.

Three rain showers struck us in the 
afternoon and spoiled all the barometer readings. 
I counted up & down 500 or 500 feet at a 
jump without any change of altitude.

At camp on starting it read 9500 & on 
the divide, 8000 & at camp on Piney Creek 
8500. These are probably approximate.
The divide was the easiest crossed except 
one short hill that was 20 steps it struck 
us & we got a traveler to haul us up with 
his mules ahead of our team.

Saw 2 fresh Eagle tracks along road & down 
the willows for about a mile along La 
Orange Creek but did not start one.

Passed through pretty country, meadows 
& pastures along the streams & thick pine 
& fir tree limits. Good grass when the 
sheep have not taken it all.

Saw 2 large herds of sheep.

Found Sarcobatus & sabulogranum in the liquorakes.
Aug. 7. Followed down Little Piney Creek about 10 miles through an open canyon out of the mountains and out onto sage plains. Crossed some low mesas and plain to a fork on north side of Little Piney and then across more plains to Big Piney Creek and followed down it about 5 miles to Big Piney store and post office and camped. Come 25 miles. The weather worked all right again, reading at starting point on Little Piney 8000 ft., at edge of sage plains 7500, at camp on Big Piney 6400.

Cows pass down on S. N. slopes to about 6500 ft. on N. E. slopes to 7500. Douglas fir and Pinus flexilis came to front. Populus trinervis came scarcely low. Populus angustifolia was met at 6400 ft. We saw Loparous at 7800 ft. Killed one Hemophillus asiaticus at 7850 ft. Saw them down to 7500. Killed the first S. elegans at 7600 ft. saw them down to 6400 ft. Saw Cypripedium borealis at 7000 ft. Loving killed a C. luxurians at 6500. Badger kills runners.
Aug. 8. Started all day at Big River and wrote report — wrote 20 pages and losing made out the bird report. Had a splendid dinner of boiled Mallards.

Aug. 9. Started early, crossed the North Fork of Green River and up the east side to about a mile above where New Fork joins it and camped. Did not go over 10 miles. Found a good ford across the river with the water just the bridgeboard box. Saw about 40 Antelope but could not get a shot. Saw some Coyotes and probably 50 Lofus canepedes. Never saw them as numerous and tame before. Made up skins and cut a lot of tigs. Found lots of hardwood.

Aug. 10. We caught 26 Sitka, allowing 4 foroway and shot a lot of other stuff. Followed up New Fork 5 miles, crossing it twice, and struck the Lander Road. Then traveled 15 miles across dry plain with little else than abunt sagebrush. Camped on the Muddy Creek. went about 20 miles. Killed lots o'
things along the road and worked late without finishing them. Saw a lot of Antelopes and 3 big wolves. Found a lot of petrified wood by the road.

A heavy dust in evening. Cold day. Barometer is cranky & jumps all around.

Aug. 11 Had to work till 10 o'clock to get our last night specimens skinned & got a late start. Struck the Big Sandy in about 10 miles and crossing it just where it comes out of the foot hills went on about 10 miles faster, crossed the Little Sandy and camped on one of its branches a couple miles beyond. Saw lot of Sage Point and some drakes. Got a Badger & She-rothkilla. Zanias & Loring shot an Ashfudge.

Have a fine place to camp in a meadow among willows with jives on the rocks close by. Worked till late putting up skins. Came about 20 miles. Rainy in evening but wasn't a heavy frost & 2 Jorge in morning.
Aug. 12. We stopped to kill 3 Woodchucks and did not get off till about 8 o'clock. Crossed numerous ridges and creeks with good road except for low hills. The country is foothills along south end of Wind River Mts. and probably 7000 or 8000 ft high. Lots of rocky ledges & canyons and scattering pines over the rocky ridges. P. flexilis is the most common, some P. mountainsis a little scarce.

Thickets of pines all along & sallows with willows along streams.

Crossed the Sweetwater R. & several peaks. High meadows & flat topped buttes stretch off to the east. The Wind Rivers are blase on the earth and quite heavily timbered along the ridge, reaching for above timberline.

Reached South Pass City about 11 A.M. Went on through Atlantic City & camped half a mile beyond. Got supplies but did not wait our packages. The towns are little mining camps nearly abandoned, & there's not much in each.
Aug. 13  Sunday. Mailed 7 packages on my part of the way to Mr. H. Baker. Doing had not got his fork last ready to mail. Had a good time to camp and started on to camp in a nice little grove in a field just past Mr. Camp Stanley. A heavy rain came up & we caught in a blizzard & lost our tent but it did not rain long. Closed off & we had a pleasant afternoon. Stil one day travel from Lander to mail.

Aug. 14  Started early & passing through the old camp of Wicken Delight. Crossed 2 long ridges & down into Red Canyon. Followed it about 10 000 miles and then over ridges and low country to Lander. When we arrived at 4 P.M. found Mr. Bagg waiting for us. Came 30 miles with pretty good roads and a drop of really 1000 feet. Found plenty of Cyanopus growing in valley. Lander is a wide town with plenty 2000 population in a splendid farming valley. Closed at edge of town.
Aug 15  Spent the day in making up a few supplies, getting supplies, packing supplies, writing. Expected to start for a two or three weeks trip to the Wind R. Wb. Warm & pleasant.

Aug 16 Left Landy and passing through Mt. Washakie camped on Sage Creek 7 miles south of the fort. Saw Capt. Ray and got permission to camp any where on the reservation. A good tent in morning.

Aug 17 Found a lot of ripe Cherries and currants & bull berries along the lakeshore. The lake is probably a mile wide in the widest place — most of the way it is narrower and crooked. It is deep, with rock bottom in places. Is an old glacier bed and at the foot of the lake is a great dam of immense boulders and debris, at the terminal moraine. The water of the lake is very clear & quite cold. There were about 1000 Wedgers in upper end of lake & we got 4. Camped about 2 miles above Ruffey lake at the footest point that a wagon can reach.
Aug. 18. The mosquitoes were so thick we could not sleep & the boxes were nearly crazy. Concluded to leave the wagon and pack up the stuff. Had the harness & breakfast & some other things and left the wagon out in sight. Packed all the rest on two horses & followed about 3 miles up the creek & then about 2 miles up a steep slope on the south side of creek and camped in the chive with tight limbs. Set the anemoid at 5800 feet above lake, which Capt. Ray says is the altitude. At camp in the pines it read 1100. Some black deer & elk tracks & a beaver track. A hot day.

Aug. 19. Went up the mountain about 2000 feet above camp with Dr. Bagg. Killed some Lagaraus only. Saw no large game but a few deer, elk, or bear tracks. Wrote our report & got things ready to go up the Mts. Tomorrow.

Aug. 20. Dr. Bagg & I took our saddle horses & a pack horse with rides & provisions & stove and followed up the ridge and over the top of two passes.
and camped in a great fur basin or pass at 10,000 feet. There are a lot of little lakes in the pass & watered streams & a crest of rough walls half enclose it. They reach above timberline & great bamboo grow here on N. & E. slopes. Camped in the basin & set traps about timberline.

Saw a Grizzly & fired 5 shots at him but could not stop him. He was above timberline turning over stones to get ants. Was a good sized silverish in first stage but looked gaunt & hungry.

Set 18 traps above timberline. Killed a few small things.

Rain'd by night.

Aug. 11. Caught only Arvicola at timberline.

Went up on a peak to 11,000 feet & Dr. Bagg shot a marmot & saw 3 moose chasing lagguns among the rocks.

Saw a large game but never birds & lagguns & saw woodchuck along 5 heard them chirp at 11700. Set traps in park. Saw a Vultee moose. Rain'd in P.M. Cold.
Aug. 22. The horse-flies were so bad yesterday the horses could not stand it. We had to blanket them & tie them in the saddles. Concluded not to stay any longer so packed our horses & started down to camp. Shot our Deerings & Lambs. Caught some Deereds & Eitongs A Top carried off some of my traps. On the way down we shot a Redroperus Reached camp at 10 o'clock & skinned my womans before dark.

Aug. 23. Moved camp from 7700 ft. up to 7600 ft. Camped at a spring only 400 ft. below N. E. timberline.

Aug. 24. Caught some Lupus teelis & other things & made up a lot of skins.

Aug. 25. Did not catch much. Went down to where we left the wagon & found everything all right.

Aug. 26. Pryr. loving went over to the next ridge & camped above timberline.

Aug. 27. Joined them at timberline.

Killed a Badger.

Aug. 28. Came back to camp. Loving got a Top.

Aug. 29. Packed down to the wagon at lake.
Aug. 30 Came from the upper end of Bull Lake to H. Washakie. Reached in P.M. and all night.
Aug. 31 The roads are very muddy & bad. Reached Lander at 3 P.M. & got mail.

Sept. 1 Made out reports & got some necessary supplies & wrote some.

Sept. 2 Finished reports & packed specimens. Losing is sick & not able to do much.

Sept. 3 Sunday. A quiet day in camp.

Sept. 4 Packed up & started for South Pals to get Seivius. Dr. Bagg & Losing start north for larger game near the head of Wind River. Gus & I followed our back track through Red Canyon & camped on the next stream after passing out of the Canon. Camped at 7000 feet. Killed a 5.13 lineaitic pallidus & caught a Thomson's clausen. A hot day & cell up hill.
**Sep. 5** Came 5 0-6 miles & camped on a little Creek about 2 miles west of Miners Delight. Judging from the maps & distances along the road it is about 4 miles north of South Pass City. There are groves of Douglas Fir & Pinyard on the ridge hills & Seinus Junior on common in them. Shot 7 in one arrow, groat & 5 in all killed 10. Shot 10 squirrels, one S. elegans, 1 Tanica minor, t a toto with the aux. t did not raise a shot or fool to kill dead. Camped at 5000 ft.

**Sep. 6** Killed 9 Seinus, 1 Tanica, caught an Avicola & a Sittonyx or 9 P. Narragans. Wash up 14 mammals & 2 birds.

**Sep. 7** Caught 8 more P. Narragans, shot 2 Seinus. The wind blew so it could not find Seinus & in P.M. it grew into a gale with some rain & turned cold.

Caught a Badger. Wash up 21 mammals.

**Sep. 8** Snowed by spells all night, cold, wind started at 7 & reached hard at 2 P.M. wore in valley. Got 3 Pterocles 1 Sittonyx.

**Sep. 10** Dr. Morrison left yesterday for Oregon where we camped over night. Rained & blew in night so I could not get ked squirrel & Chickarees. Made of skins & started for New Castle where we arrived at noon. Found Mr. Bissell & Mr. Woodell & soon found a place to pasture horses & store outfit. Disposed of all before 5 P.M. but still had my afternoons to pack & ship.

Saw about 12 Diabia sialis & 26 Cyparissilus cyanopterus 2 Pie & rustica Hudsonica

Actinidia tridensata, cava, & frigida are abundant to New castle.

**Sep 8 6 29**