Journal.

1889.

Vernon Bailey
Jan. 5. A cloudy + not very cold night, had a good catch of mice, 3 Ochotona, 5 Dikodonta, 1 Barrows, + 1 Mus marmotus.

Skinned three most of day, hunted + set traps till dark.

Shot at a Swan in pond.

Saw lots of Cow tracks + set tracks for Crake.

Killed 5 Quails. A warm day.

Jan. 4. Cloudy + not very cold night, went to P.O. + wrote letters. Found all the stores closed. Went up a valley for a mile or two nothing town + some near rocks. Cut traps + skinned things + in P.M.

Found many birds that left me two mouths ago in Salt Lake Valley. Saw 3 flocks of shaft a dozen each of Ochotona gambeli, + killed a Crystal Thrasher.

Died: got time to hunt any.

Wrote this by brush fire in evening.

Jan. 2. H. Keays went to his traps + got a little Skunk + a new kind of Pecoskatter. Finished some skins, went to town + down in valley, hunted + set some traps.

Found nothing new.

Cold night, warm day.
Jan. 3

Boat up trap & moved down for in valley near river & set out some traps. Had business to attend to in town for a few hours & didn't get camped until before dark.

Found a good camp ground & sign of game.

Saw about 50 geese & lots of ducks but couldn't stop to get them tonight. Found signs of Arapahos - caught one.

Warm day, cold evening.

Called on Mr. Adams.

Jan. 4

Went to traps, set more, hunted, skinned things,

Caught 20 quail from 2 traps.

Shot some geese & a duck.

Cloudy, chilly.

Pond mostly froze over in evening. Winds strong.
Jan. 5
A cloudy & not very cold night.
Had a good catch of minnows.
8 Octoberis, 5 Dipodums, one
Aphis & a Mus musculus.
Skinned things most of day,
Hunted & set traps in evening, shot
at a Swan but didn't get it.
Saw lots of Corn trails & set
traps for Corn.
Tilled 5 Girdls, a waspden.

6
Sunday, but supposed it was
Saturday & worked till 2 P.M.
Did not catch much at all.
Made some skins.
Went to Church in evening.
A warm/pleasant day.

7
Went to traps & caught some Lizards
& Ochodon & Mus musculus &
found a Coons tire in one trap.
& a corn, probably carried off
my pig trash.
Went to town & got mail & wrote
letters. Set more corn traps.
Jan. 8. Took up traps, packed up & went down the river about 6 miles to end of a deep canon & camped. Set out traps & went down the canon a ways. The prospect is not very good.
A very warm day, Zanindia common all along road.

9. Horses went off & I hunted them till noon. In p.m. hunted ducks but didn't get much. Shot a Swan but lost it. Kept on traps & caught 2 Hens. Unked horses.

10. Nothing in traps but Hens. Packed up & went back to St. George then up the Santa Clara Creek & camped for the night near Santa Clara.

Jan. 11. Went up the creek 3 miles further & camped in a brushy valley between rocky hills. The brush is full of birds. Saw lots of Quails & some Mexican Woodpecker. The first of the species I've seen. Camped near the creek among Cottonwood trees. Set traps the rest of day. Coon tracks common. A warm day & rainy in evening.
Jan. 12 Rained slowly all night & all day, not cold, but it snowed on the Broadax Mt.
Went to traps in morning. got 13 Hesperomyz. 2 of the long tailed spars.
Made 6 8 thins & some hide.
Did a little sketching & wrote some in evening. Still rainin'.

Jan. 13 Sunday. Clear & warm till noon, then rained the rest of the day, & didn't stop to supper. Cooked pancakes in the rain & went to bed early.

Jan. 14 Rained steadily all night & all day. clear'd off at dark. Snowed on the hill a little higher. Could do nothing out of house too cold to write in tent. Caught 3 long tailed Hesperomy. & some of the Sonosius. & 1 Spinus fulvus grammatus.
Wrote a little + rang 2 chimes.
2 mice. A pleasant day.
Jan. 15. Rained part of day.
Hunted & set a few traps, wasd
after bird skins.
Raining in evening.

16. Rained & snowed in night &
a wet snow fell till after noon.
Then cleared up with a cold,
North wind & began to freeze
early in evening.
Snow lay on the hills a little
above us. vine in valley.
Did not catch anything.
Went to town in P.M. but did
not get any work.

17. Clear & Cold in morning.
Hunted most of A.M.
Worked on right in P.M.
Only got a few birds.
Heaps shot a s.s. granitme
& caught a Viatoma.
Cold in evening.

19. A cold night with a strong north wind but the thermometer only went down to +27. Hunted soon in morning but didn't get any. Finished up the skins and packed up and went down to St. George. Got a meal and spent the night.

20. Sunday. A cold, clear day. Hardly thawed. Were indoors most of day. The Lourdes, fumes and beard. Bluebirds are numerous in town.
Jan. 21. Got some boxes & packed the specimens & sent them all off by express. Then got our supplies & at 2 P.M. left St. George.
Went up the Clarke River about 12 miles & encamped in valley by the creek.
Heaps shot a Pronghorn, new to us both, an odd bird. Saw lots of tracks of Tamarack & Dipodomers.
& deer tracks in the snow along road. Snow covers about half of the ground in valley. Its deep on hills. The Clarke River runs through a narrow, rocky canyon that is not very deep. The canyon is wooded & along its stream are cottonwoods & brush.
Jan. 22. Left the Santa Clara and climbed over the Bevardan Mountains.
The snow increased still at the summit of the range where it is on a foot deep. Passing the summit
the snow is soon gone & the ground face dry. A striking contrast between the vegetation on north & south slopes. On the north
are many shrubs & plants new to me & cedar & pines edulis.
On the south, no trees, but a tree like Yuba & a new kinds of casti. Tamaris, hipus syl. &
Wild cat tracks abundant on the summit. Birds scarce.
A hard pull over the range but good road & easy slope down & we reached the Virgin River after
dusk & camped at Bevardan.
A clear winter day, wind blows down river as usual on clear days.
June 23 Traveled about 20 miles + camped a mile past Bunker Hill.
Local scenery + bad to cross the river 17 times.

No change of country or life of plants. One new bird found.
Lloyd of these seen, "a pest never breeding winter".
A large part of the plants are very rich.
A warm clear day.

June 24 Followed the river all day.
Didn't get to St. Thomas.
Found a new bird, Quam with fluvius.
Saw a lot of Snow geese + common geese.

Roads sandy or muddy.
Crossed river 5 times. Probably made 10 miles.

There are no trees in sight but a few willows. No snow but on Virgin Peak.
Sparely broken by morning, warm all day.
Jan. 25. Went out a mile & got in quicksand & came near losing our outfit. Had to carry the load out of the river & then took over the wagons & carry it out. Walked till noon & then got things fixed up & went on. Got to St. Thomas at sundown. Windy all of P.M. & a perfect gale in the evening. I let far-birds run. Hail & drifts of dry sand are becoming common.

Jan. 26. Waded a few skims while things sat together. Then 1 set traps & hunted the rest of day. Caught 2 Romneys & found lots of ducks & geese & quails & other birds not found north of here.

Grass & many other plants are green & growing. My first in morning, a warm day, windy in evening.


Jan. 28. Very warm & summer-like. +72° at noon. No wind in evening. The first evening that there has not been a gale. Went to traps. Got a Dipodomys, an Ochotonas, a Keuszmys, 2 Romneys. All sold traps & made skins.

Quails are very numerous & not wild. Are fine eating. Coyotes killed a dog & ate part of it & the Indians eat the rest.

Jan. 29. Left St. Thomas at 8 A.M. Took with traps & carried skeins along to skin in evening. Followed down the river, crossing it 4 times, & camped on hom before sundown & at traps. Went about 15 miles. Set 4 traps. Shot a Chin hypotenosis from a flock of 20. Cooked it for supper. It was tough. Made 4 skins in evening. Very warm day, light west winds.
Jan. 30. Caught only 3 Dipodonys. Went about 10 miles & reached Steve ferry at noon. Camped & ate lunch & wrote. Cold & frosty in morning, almost day. As new specimens, have reached the Colorado at last. Have crossed the Virgin just 40 miles.

Mar. 31. Mr. Beave caught an Omophorus. & 3 Dipodonys, one big one. Got out early & packed up & crossed the Colorado R. in a rowed ferry. Followed down the river 3 miles & turned off & followed a smooth, gravelly wash. Found no place fit to camp at river, & no country different from that at mouth of Virgin on N. side. Followed up wash all day with desert surroundings & desert life. Camped about 20 miles from river.
Feb 1. Spent a night on the desert with no water for the horses.
A cold dry night, froze but no frost.

Nothing in tents.

A long day without water for team & slow-traveling. Reached Mountain Spring after dark & paid a dollar for about 40 pounds of dead grass & 50 cts for water for team.

Traveled all day up the Peetwal Valley, with scant vegetation of a little evergreen shrub & a few small, dry thorny bushes, about 9 species of Cacti, 2 kinds of tree yuccas. Small about 20 species of plants but so far apart the ground seems mostly bare.

Very few birds or signs of mammals seen but noted taken on those seen with children from roticas near as I could judge. Mountain Spring is said to be 47 miles from Stones Ford.
Feb. 2. Shift cold & got out early & went across to Roland Spring, set up the pound & made a tent. Found an empty house there & took possession. Got settled & moved up some skins. It is Saturday night & we were tired, so all its losses.

The place seems somewhat promising.

3. Sunday, windy all night & day. Wind all hours from the mountains, east to the Ditref Valley, west. Snowed some in night, but warm through the day. Took a trip over the hills & saw a Lamas & a deer & 44 stations. Cooked over baca & cacti wood.
Feb 4. A warm night, no frost, warm day.
Went up on the mountains & was out till nearly sundown. Had a hard climb & didn't get much. Killed 8 Tannis of a kind not found before. Caught a little Hom潞za on mountain & killed a few birds.
Set traps. Keays caught 7 Tannis in traps near the camp. Made some skins in evening.

Mar 5. No frost, warm.
Went to traps & hunted, got up new mammals, leahe & Beeg_uartus that was half eaten.
Looked some hides.
Got more Tannis.
Put up 11 skins.
Feb. 4. Went to traps before breakfast, got a few
laevipes virginiana & 8 Thamnus
some Oryctolagus
Traps got 8 families & others during
the day. Put up skins till noon.
Then wrote some & set traps till dusk.
A warm day, no frost, a few
clouds in P.M.
Coyote howl all round in evening.

7. Warm day.
Went to traps & got 3 more little
laevipes & 9 Oryctolagus
Shot some Rottits.
Wrote on report part of day.
Hunt Reays caught some Zamias
+ 2 Dipodomys + made some skins.
Is improving in skin making.

8. No frost, warm & clear,
Caught a little shearmphiles
new to me. Set a lot of traps
for them. Made some skins.
Feb. 9 Warm & windy. 
Got 2 new little spring希es. 
Tork up traps. 
Made a few skins & wrote on report. 
Kurt Kaye went up on mountains 
got a new wide - supplemented Pharmam

"10 Sunday. 
Warm, no post.


"12 A warm night & pleasant day. 
Reached Mineral Park about noon & found a lot of mail, scout letters. 
Could not find a good place to camp & so went to Gross Spring, 2 miles south. Camped & set some traps. Got some good skins along road. Saw some new birds.
Feb. 13. Warm, windy, cloudy a while in P.M.
Got some marmots, made 8 skins. Set more traps, killed some birds.

Ground dry in evening. Wind strong.
Caught but little in traps.
Hunted horses most of day.
Saw a Burrowing owl.
Clear 'sh in evening.

Feb. 15. +20° at sunrise, snowed in P.M.
About an inch + then went off.
May 2 hunted horses all day.
I made 8 marmot skins + a bird
&acked some skins + kept house.
Weather unpleasant.
Feb. 14. Not cold in morning but windy + raw all day + snowing about half the time. Snow melting at if fell. Hunted horses most of day.

March 17th. +20° at sunrise, clear. Warm a little while in middle of day. Decided not to hunt horses today.

March 18th. +23° at sunrise. Clear + warm through day. Hunted horses among the mountains till noon. Then Kings went another way for them. A man brought the horses from Grand Springs, 15 miles back on our road. Killed a Gereesy Californianos, the first I have seen. Made some stamps.
Feb. 19: Made out report, packed & sent by mail the boxes of specimens & catalogues & a roll of plants.

Got letters of P.O. & laid in a stock of supplies for 2 weeks ahead. Are ready to move across valley to Mud Spring in morning.

Kveys killed a S. grammica & caught a little brownfly.

Gum and rose toned in morning. a clear, warm day. Did our field work.
Feb. 20. Froze a little in morning. Clear, warm day, some windy.
Packed up in morning & started across valley to Mud Spring.
but missed it & went on to Willow Spring. Arrived at one o'clock, camped & set out
35 miles before dark.
Found plenty of water & a meart
ranch on west side of valley from
down to flat. No life by green
tree & some cedars. But
less signs of animal life than
in valley & on East side.
Animal life seems to be most
abundant in middle of valley
farthest from water.
Feb. 21. Warm, Clear; No frost. Caught some Threowses, a Hailoomah, a Popogwthun, & some Tomals.

Made 8 skins; went to traps twice. Keays went to his traps & hunted for a spring near the valley, but didn't find any.

Feb. 22. Keays went to his traps on hill & got 2 Lamas & 6 Threowses, & caught 5 Hailoomah at camp.

Want to buy traps lower down & got 2 Dipodes & a Threowses & later a Threowses & 2 Lamas.

Made in all 18 skins, hunted horses, tied traps & ledges.

Didn't get much time for out door work. Watched some birds that came to drink.

A warm night & day.
Feb 23. Warm.
Went to trade & hunted cedars before breakfast. climbed hot mountains & walked 10 miles & got back at noon.
Cought some things & made some chairs & wrote all of evening.

Wrote & read most of day.

Feb 25. Rained a little in night & by showers all day. Some thunder. Not cold.
Keaps went to Minnol Park for mail. I read out report & set some traps. Didn't catch anything of use in morning.
Caught and skinned 2 Perquatlus.
Skeletomized a Ternine.
Keays hunted horse in A.M.,
I hunted them in P.M., but
did not find them, so couldn't start.
Set out all the mules to help for
Perquatlus.

Feb. 27. Clear and pleasant.
Didn't catch anything but a
Vestora, wind blew hard all
night — nothing agreed much.
We both hunted for the horses in
morning, and they came up them-
belves for water at 1:30. They
had little or water for 5 days,
but did not seem very thirsty.
Packed up and started at 2 P.M.,
and camped just at the entrance
of Union Pass.
Climbed over the divide in Union Pass, found the roads pretty rough & steep. Had to climb over a hill of great boulders from there way up the canyon.

The scenery in the pass is very rough & picturesque with great boulders, rock cliffs, peaks & slopes & needles. Came down the west slope by following the ridges & washes, reached the river a little after noon & camped at old Harper's Ferry.

Took trip & went up into Pyramid Canon & toward tents below.

Found vegetation away ahead of that east of the pass. Many flowers in blossom & grass & weeds green. Some birds nesting.
Mar 1. Warm night & very warm day, 79° at 2 P.M. Went to traps & got some big D. formosa & H. pyronurus. Went further up Pyrnid Canion but found no signs of anything new. Killed some birds, one Phainopepla mutina, which has bothered me since Jan. 30. They are breeding. Saw a Gull but don't know what. A lot of fish flew along the river in evening & I threw wasted several shots at them. Warm in evening & we are both half-footed.

Mar 2. Warm, 52° to 82° little wind. Went to traps up Canion but didn't find much. Made some shots. Went in evening. Made hooks & set for rats.

March 4. Got up early, took up traps, caught nothing of use, made 3 skins, packed up & started for Ft. Warden at about 10 AM. Found a Phenixilla nest with 3 eggs. Caught a horn to add to a very pretty swif. Reached the Ft. at 3:20 PM. Got our mail & supplies & then went down by a lake 3 miles SSW of the fort & camped. One man came around early but the first shot missed it & hit left. Warm & cloudy.

5 Rain in night. Stony through the day. Kept left in morning. Walked my horse about, set a few traps. Wrote in evening. Windy & hot for hunting.
March 6. Clear & very warm.
Hunted most of forenoon &
set a few traps. Killed a
Black capped Ground Squirrel.
Went to P.M. & set more traps
in P.M.
Saw a few bits in evening,
but missed them at two shots.

7 50° at daylight. Warm day.
Put a trap & a corn in it.
Caught 4 Dipodomys deserti &
a Dipodomys albicauda & 2 Zanius
& a Peromyscus. Got the foot
of a Sphenophyli, probably of
the same kind.
Made a mammal skins & a bad
& put a Dipodomys in alcohol.
Have 29 traps set.
A busy day.
Took a swim in evening.
Didn't get a fish at last.
Weather pleasant.
March 18. Clear + warm.
Caught a Zanivus + two Dipodomyx deserts — one of them about mid day —, a Pecquathus + shot two Rats new to me in evening.
Went to P.C. + got Rothschild's toilet.
Hunted horse but didn't find them.

"9
Caught a Skunk + bull's belt.
4 Dipodomyx deserts & Pecquathus.
Put up 8 skins + skinned a lot Skunk. Went to help twice had to swim to middle of pond to get it skunk.
Drew a Dipodomyx sketch in evening. Have been busy from daylight till late in evening & am sleepy.
A warm, pleasant day.
March 10. Sunday. Warm.
Remained at camp all day.

11 Put up Skunk & Fox & 4 smaller skins. Went to traps & set part of them own. Caught three Spec. trifasciatus & some Bifrons. Saw two Skunks but did not kill them. One came up near my camp fire in evening while I was cooking, but ran into the brush before I got a shot at it.
Cooked & made tags in evening.
Warm + pleasant.

Made 8 skins & hunted in morning. Studied forestry a little. Want to traps twice.
Warm + pleasant.
Mr. 13, 46° in morning. Rained most of P.M., quit baid for half an hour, then stopped; snow. The snow came pouring down through in a torrent that lasted about half an hour.
Caught 2 Hesperomya 1. sonorensis + 4 H. long-tailed, + a Picoides. Skinned these, then it rained.
+ 2 studied botany.
Rainy in evening.

14 Rained out of forenoon.
Went to help, got well & got on Hesperomya. Cleaned my gun & loaded shells & then got the horses up & hitched them. Studied some botany & set tables over.
Went my best hop on a coon.
Wrote in evening.
Nov. 15. 48° at daybreak, clear night but rained by showers all day & steadily towards night.
Caught a Hesperomys & a Notomys & a Lepus Sylvaticus.
Made 6 skins & in P.M. went to P.O. with team.
Got wet.
Got a new supply of gear.
Rather poor days work.

Nov. 16. Went to traps but they were really full of dirt & only caught a Perognathus & 2 Myopus.
Skinned these, studied Tantalum, prepared & folded plants.
Made out a report on plants.
Mostly cloudy with rain in evening.
Not much accomplished today.
Dec. 17. 41° at daylight. Clear & warm.
Wrote letters.
Went to an Indian fish barbecue, & visited a
home & farm. Watched
they get supper & kept a
taste of their bean mush.
Learned lots about Indians.

Dec. 18. 45°. Clear & warm.
Went across flats to the
river & then out across
the mesa. Took up the
rest of my traps. Brought
in the horses.
Afternoon went to P.O.
& got instructions to proceed.
Worked on report after 2
got back & in evening.
Mon. 19. 47° to 79, clear.
Write 16 pages of report,
went hunting, packed 5 boxes
of specimens, & wrote letter
in evening.
It is late & I am sleepy.

19 Packed up & started to Needle +
reached the ferry at 3 P.M.
but the wind blew strong
they couldn't cross river.
Stayed overnight at ferry house.
A dry windy day & the air full
of dust.
Found a lot of birds in a
cottonwood grove on route, kinds
I had not seen before.
A large
drove of Partridge, antelope,
Redwing blackbirds, Gila Woodpeckers,
& Robins.
Road fairly good.
March 26  
Crossed ferry early for $5.00.  
Paid a dollar for 25 lbs. of barley straw.  

Drove into Needles + sent the specimens by mail. Sold  
my team + wagon. Camped on river bank + before night  
bought a boat  

And ready for an early start  
down the river in the morning.  

22  

Started down river before sun rise.  
Got onto sandbars + had to  
get out + push. Found I  
couldn't row, tottered +  
struggled + lit her sun.  

Got into some pretty rough  
whirls, but went along  
just as I.  Passed through  
several miles of canyon in  
The Hermit Gorge. These mountains  
are all but bare rock.  

a green thing.  

Camped just at south end of  
canyon. Tied up early + slept late.
on the west side of river.
Camped where I saw the first
flowers of O. jucunda basilicis,
great crimson beauties. These
were not nearly in bloom.
at Mono, 71. The flowers
seem to be affected by heat.
the south side of mountains.
A clear, windy day, wind
blowing down river, followed
the turns of canyon.
Probably came 25 miles.
Shot bats in evening & killed
one little kind near to me.
They fly so fast I could not
hit them with. Saw probably
6 or 8, fly along rivers & around
rocks.
Mar. 23. Found 2 Purgathors & 4 Hespermys in my tent. Pack up early & started at sunrise. Found the river mostly smooth & steady. Could handle the oars some today + handle the boat better in rough places. Went several miles through a valley with brush, then came to rocky banks & mountains near. Stopped at a deserted mine & mill, Kingston Mining Co. No. 10. Found a Beaver skull. Passed the mouth of a creek on East side of river at 3 P.M. & then entered a deep Canyon + found rough water + hard work to get through. Saw here on the canyon sides the Giant Cactus, First I have seen. Came to another ore mill at about 5 P.M. & learned that it was 75 m. to Needles & 190 to Yuma.
Came about 50 miles today T camped on an island a few miles above the Indian agency. Had a lame arm & blistered hands. Put up the morning's specimens in evening by candle light. A warm day, but little wind. The country is very bare & rocky except the brushy river flats. Did not see many birds & no mammals. Saw a few bear tracks & lots of coon tracks.
Mon. 24.
Sunday.
Sailed on the island all day. Wrote, read, rested.
A very warm day.
Hesperomys tracked + tracks of lynx situatons on the island.
Island blow, brushy & scenery.

25. Started by 8 am. 
Sailed past Indian Agency +
Sent 2 letters to P.O. by ancidian.
Ran steadily + at good speed till 3 P.M. Camped on W. side of river + set 27 traps.
Killed an Ash throated Flycatcher.
Saw small birds in timber
along river but did not stop to get them.
All day in a broad valley +
mountains all around.
A good deal of Cottonwood timber along river flats.
A warm day.
Probably ran 35 miles.
Feb. 26. Caught one of each kind of fish: 2 Yenonyx and 4 Psecoathyrs.
Work up traps and started early.
Reached Ehrenberg about noon.
Bought 2 Beaver skins and camped
at 2 P.M. Set Beaver traps and
5 others. Made 6 more traps 
skins & 1 bird skin.
Camp on 2. side, about 10 miles 
below Ehrenberg. Probably
25 or 35 miles.
A broad valley with much 
cottonwood timber all along.
Beaver slides & tracks common. Wrote a letter & 
sent from 3d.
Still a 100 miles to Yuma, 
or more.
Saw several flocks of pelicans.
Camped on sandy, brushy
plata about 8 feet above water.
Nov. 27. Caught a Pteronotus, a Dipodomys agilis & a D. deserti.
No Beavers.
Did not start till after sunrise. Ran almost steadily till 3 P.M.
Camped on east side of river. 15 miles above Norton's landing.
& 5 miles below the Paymaster Mine.
Sit tests -15. Made 3 skins,
got supper & baked bread for
tomorrow.
Traversal over the hills about half an hour at noon. But
found no signs of life.
The high ground seems to be
too scarce & stone to support life.
The broad river valley with limber
plats that I struck at the
Colorado Agency, the winding
of the 25/6 hill, narrows down
to a little strip on one side
of the river & soon ends at a
rocky canyon.
Crest worn. 83° at 3 P.M.
Mar. 28. Caught 3 Peroguathus + 2 Dipsadus agilis.
Reached Norton's a little before 4 o'clock, 15 miles.
Camped on east side of river in Canebrake Canon, probably
10 miles past Norton's
Saw trail for Beaver & Musk
Rats & other things.
Camped early. Ran about
25 miles.
Bank is rocky, with flat
patches between the points &
brush on these. Mountains mostly
bare rock with not a green
thing in sight. A thick border
of coves extends along each
bank where not solid rock.
Beaver live in these + I found
some tracks of a Musk Rat.
Killed a little lot in evening
& shot at a lot more. They are
numerous + seem to be all of this kind
Made 5 skins by candlelight.
A hot day.
Mar. 29. Caught 2 whiskeyee, a Pecosuem, + 2 Nestows.

Dined, got up till sunrise. By that time I had taken up the tepee, got breakfast. I packed up ready to start it was about 8 o'clock.

Ran steadily till about 5 P.M. + camped on West side of river in sight of Ft. Yuma. The river is broader + the current stouter than above Carnebreak Cañon. After passing a little Cañon at Castle Dome, the valley widens + is covered with cottonwood + brush.

In places is 10 miles wide.

Ran about 50 miles today in 9 hours.

Set 21 traps. Saw no fatted.
The little rats seem to be common only in Cañones or among rocks.

A warm day.
No signs of Musk Rats!
Dec. 20. Caught a Perp. Thus & a H. L. son matais, & about 9 A.M. as large Asinola. Made 7 skins. Wrote a letter & started to the P.O. but found a river between me & the post so had to come back. 93° (7) in the shade at noon.

April. 50° to 88°. Dear Lot.

Tramped well over the flats
+ found it was almost an
island. Found no signs
of Arriedas & my traps have
not been sprung for 2 nights.

Took up trap & hauled up
to Yuma. Got mail & ran
down river about 2 miles.
Camped on west side in
leath brush on flats.

Set my Beaux traps & some
traps for armadillos &
small things.

Found in a number of
places & examined the bank.

For signs of Arriedas found
some.

Coyote tracks common.
Beaver

A bird, low diving, throws
away toward the gulf.
April 2. 50° to 89°. Clear.
Caught 2 Nestowas, a Prognathus.
2 long tailed Haremys, one song in excess, 12 Thromonyx, no Black.
Made 7 skins & skinned 4 Thromonyx in evening.
Hunted near over 20 rods from camp today.
An old trapper came by with 20 Beaver skins & a Conga skin.
Stopped & had a talk. Learned some things from him.
Caught a snake in my trap.

3
Caught a Skunk, a Nestowas, a Prognathus.
Made 13 skins.
Found 2 young Nestowas.
Wrote letters in evening.
Hunted a little.
Worked most of day.
Clear & warm.
April 7. Took up tents made 4 skins, went to town a foot. Crossed the river, ran up a side channel + camped in Arizona. About 8 feet my earth ground + other skins. Set 12 traps, cooked enough to last all day tomorrow. A pleasant day. A good breeze from the S.W. A little ant hit my hand while digging for arrow holes, it hurts worse than a bee sting.
Apr. 5  Caught a Thommya in morning, during the day a D. deserti, 3 Spermophilus trotulae (long-tailed), 7 another Thommya.
Made le skins.
Set more traps.
Went up on mesa.  Found some fox holes, not push.
Not very hot.  A breeze in some clouds.
Worked late in evening.

14  Caught 3 D. deserti, 3 Spermophilus trotulae, 1 Peromyscus.  Skinned them all.  Killed 2 rattlesnakes.  Skinned 2 of them.
Got a Haploporphyes deserti.
Went to help twice about a mile to the south.  A pleasant day.  Not hot.
Apr. 7. Sunday. Warm, 92° (7).

8. Went to trap + tramp over
area to look for Traps holes.
but didn't find any.
Caught 6 Spraches +
2 Pigeons/sebertisi + a
You-fly.
Set some now
traps. Made 8 skin in
P.M.
Some clouds, Windy.

9. Wind blew hard all night &
all day. Some cloudy.
Didn't catch much.
Wrote 4 skins.
Hunted fox holes + bird
rests. Found an Aviary
nest with 4 eggs + another
nest with 3 Find around.
Apr. 10. 44° in morning, hot lot.
Caught a lot 4 Spermophilus, 5 Tanius, 3 Tanius all young. Saw mo.
Found a Vulpes macrotis den & set & left at the hole.
Saw the old Fox & 2 young
over. Made 6 skins.
Caught a ladder & a toad.
Toad in shelf in evening.
Caught a Redger in a golden trick.

11
Cloudy & windy with a
heavy storm till east evening.
Caught one old & 2 young
V. macrotis in morning & a
young one in evening.
Caught a Muscorius, an
Amphobius, a H. somniorum,
H. diabolus agilis, a flavory
& 2 Spermophilus tetrascendus.
Made 8 skins. Went to town &
to traps twice.
April 12. Went to fox traps first thing in morning. Got one young fox. Caught a spruophil. Love not baited not reset all of the traps for a day or two. Came back about 9 A.M. got breakfast & went to work. Skinned & all but stuffed a Badger & 5 foxes. Worked 3 spruophil skins. Set a Badger trap at 3 P.M. when I saw a Badger digging. A pleasant day, not very hot. Frogs - a toad singing in evening.

-13 Caught one more young Vulpes warblics, a Badger & two spruophilis. Finished up yesterday's skins & put up those of today's catch. Pleasant & not very hot.
April 14. Sunday.

15 Caught one more young fox & 5 Spermophiles.

16 Caught 8 Spermophiles & 2 Perognathus & 3 Thunyos & 2 deserti, & shot 3 young Tamaia taraxi.

Shot a humming bird & warbler.

Saw a jack rabbit, red Texians - no black on ears.

Made & skins, went to traps twice.

A warm day, clear.
Apr. 17. Caught a D. aestaci, a Spermophillus testaceus, a Hesperopilus, & shot a Zonpis. Took up Lay my tent. Get stuff in times to make dehiring before noon. In P.M. packed 2 boxes ofstings. Watched for butterflies in evening but did not see any. A pleasant day.

18. Wind just howled all day & the air full of sand. Woke up with my ears & eyes & mouth full of sand. Went to hills & to town. Caught one Spermophillus. Got letters & instructions. Wrote an report some in P.M. but couldn't do much for sand. The wind has gone down in evening but my eyes hurt so I can't work.
Apr 19. Caught nothing. took up the rest of my traps.
Worked all night the rest of the day. did not get done.
No blinds in evening. set a few more traps was by a pleasant day.
Water in river 72° at sundown.

"20

55° in morning. 95° at noon. Finished my outfit and put 5 birds and made 3 skins before you.
In P.M. packed some things filled several stomach schedules and wrote letters in evening.

"21 Sunday
Hot 95° in the shade.
I pulled up camp & went up to town. Finished packing the specimens to sent the city by express. Found I would have to wait till tomorrow morning for a train east to Texas Hill.

Got a few notes from an old river captain. Bats will commence in town in evening but I saw none out when I could about them. 102° by a town thermometer.
Apr. 23. Left Yuma at 9 A.M. Reached Texas Hill at noon. Followed the Gilg Valley all the way. In P.M. went to the mountains & set 16 traps. Shot 2 young argostrids. A herd & lot travel 12 miles. Got back late. Specimens spoiled, feet blistered, tired & feverishly thirsty. 107 by station agent's therm. etc.

Apr. 24. Went to my traps up on mountain. Caught one argosythus - it was cooked. Killed my first Mockingbird & one another. Got back at one o'clock. Very tired & used up with the heat. 105°F by the agent's thermometer. 98°F by mine. The wind felt like a breath from an oven. Caught a cleomaphilus & set more diplobolus traps in evening.
Mar. 25
Caught 2 D. deserti + shot a young deer, killed 4 skins + made out a small report.
Not so hot today.
Looked up my traps + intended to go back to
Jaena tomorrow morning

Mar. 26
Took the 8:30 train for
Jaena - 22 miles W. of Texas Hill.
Took a bag of traps + gun & valise & blanket.
Sent trunk to Mexico.
Set traps for Tommys +
got 6 hyde ducks.
Found a den of Vulturinae, set all my traps there. Saw the old fox +
3 young. Shot at the old one + missed her back.
They had 48 holes on a flat plain.
101° by my thermometer, heat scorching.
Jan 27
Caught one young Knaezis.
Left Taera at 10:30 &
reached Mexico at 3 P.M.
& reached Phoenix at 5 P.M.
But little change of country
to Mexico. Diffo downs,
deserti hills. & Horomus hills
common most of the way.
The Gila & Salt River Valley
at Phoenix are level,
& well farmed.

Feb 28
Sunday.
A quiet day. Had a
good rest. The town
is full of trees & the trees
are full of birds, some
kinds new to me.
Feb 29. Took gun & bag of traps & started for the country to the south. Came to a river in about a mile walked it. set traps & hunted on the islands. Got some birds & wood. In few good places to set traps. Got back at 2 P.M. Made 3 hid skins, loaded shells cleaned gun & feet. Think I can catch a beaver here. Birds are numerous.

Mar 30. Went to traps & hunted all day. A.M. Caught a nort rounds 2 hares, a fowler & a field spruce. Shot some birds & set traps. Made skins in P.M. Not very hot.
May 1. Went to traps, caught some Nespeconys. Thomps. Shot some birds. Didn't get the Beaver. Made skins in P.M. A warm day.

May 2. Went to traps & hunted as usual. Caught but little. Shot some birds. Had but few skins to make so went out along the west road in afternoon & shot birds for gizzards. Found them eating hens' worms & rats. A warm day, cloudy towards night.
May 3. Took a horse & went across the river to the mountains about 8 miles S. W. of town. Killed one Tanias haris. Saw 2 mow. heard some Struthella tenerrima. Saw many lots of D. deserti & Badger lots. The mountains show little signs of life. no water & no one lives near them. I made the trip principally to find a place to board or camp near the Mte. but failed. In P. M. hunted birds along fields. got a lot of lizards & a Jack Rabbit. A warm day.
May 4. Went across rivers &
found a new place to board.
Only caught a few quails.
Shot a Sphragile, some
birds.

5 Sunday — warm.

6 Packed up & went across
Salt River & camped
with old Tack Viell.
Hunted awhile but didn't
do much but get settled
& ready for work.
Arm river between the river
& mountains & can
work to both.

7 Caught nothing. Shot some
birds & made 10 skins &
a Sphragile, then set more traps.
May 8. Went to traps before breakfast. Caught a Heidedomp & a Roffit. Shot birds & skinned them most of the day.

9. Caught an Oomchonys. Shot some birds.


Sunday, warm.

13. Got up at 4 o'clock & went to my hawk nest & killed one of the old hawks & got the 4 young. It proved to be Parabuteo unicinctusheimeri. Skinned the hawks & loaded shells all of A.M.
In P.M. shot 23 does & shot 2 Spanish hawks & put up their skins in evening.
A wonderful day.

14. Went up on mountains, to top of highest peak. Saw a large Black-tail Doe & a doe, killed 3 Varisses lizards, saw some. Set a few traps at base of mt. Got back at 5:30 P.M. A hot day.
May 15
Had a spell of indigestion, probably from eating cactus fruit yesterday. Did not feel able to walk so stayed at home all day. Made 11 mammal skins. Set mouse traps around house. Feel better at night. Wind howled all day + air full of dust. Left home a year ago today.

Went to top of mountains & set traps. Worked all day. Killed some birds & lizards. Made skins in evening. Cool + windy. Found a sand basin on side of mountain with a little water trickling out at lower edge. Bird feathers were scattered about & probably birds come to it to drink.
May 17

Went to traps on mountains.
Started at 7:30 and got back at 3 P.M. It is 5 miles to the top — a hard climb of probably 2,500 feet high.
Caught 2 Pterogonatus in traps at holes on top of the highest peak. Both well colored by the sun before I got them.

Took up tilts.
Saw 2 Jack Rabbits.
A warm day.

May 18

Killed a Jack Rabbit on a Quail before breakfast.
Skinned these & hunted till noon. Got a H. hemis. & a H. polykiki & 3 Centurus.
Made skins in P.M.
Studied birds some.
Have been busy since sunrise but love not done much.
A warm day.
May 19

Sunday, warm, 102° at 2 P.M.

A Camouflage bush at on top of a keg built tree & sung for over an hour in the hottest part of the day. It is a nice singer too.

20. Hunted before breakfast & then till noon. Killed some birds & a Spermophile. Made skins from noon to supper, then set traps till dark. 23. Warm. 103° at 2 P.M.


Saw 4 bats flying from Mt. at 7 P.M.

Caught a Bila Monster.

Hot: 104° most of day.
May 22. Took up traps, made 2 skins & began on report.
Went to town in P.M.
Got word of instruction
for proceeding.
A warm day, 101° at 1 P.M.

23. Finished report & packed the specimens.

24. Went to town, sent the box
of specimens, & left Phoenix
For Tucson at 11 P.M.,
reached Tucson at 7 P.M.
Took some notes along the
R.R. Saw lots of Jack Rabbits
from Phoenix to Tucson.
A hot day & dusty ride.
Put up at the Palace Hotel.
May 25. Called on Mr. Brown & spent much of the day with him & looked over a part of his fine collection of bird skins & eggs in evening. Hunted part of the forenoon. Gt a Jack Rabbit & some Spermophilus tertiacodus. Decided to go to Mammoth but can not start till Monday morning.

Tuesday is mostly flat to a Mexican adobe houses with narrow, crooked streets.

26 Sunday

Staid in Tuczon all day. The stage leaves for Auriel at 7 A.M. in morning.
May 27. Left Tucson at 7 A.M. at
reached Ariviel at 3 P.M.
About 35 miles.
The road follows around
the Santa Catalina Mts., over
the foot hills & rises some 2000
feet to the ranch at Ariviel.
Liverrooks are abundant all
around & for 2 miles below
Ariviel. No pines until
away about.
Saw some new things along
the road. Shot a Coitopita
squawate. Saw 2 S. hammers
& some Tanias Mariai.
Cleaned gun & loaded clap
corps. Catalogues till late.
Bargained for a pasture & to
go to the top of the Santa Catalina
Mts. tomorrow - 35 miles.
May 28. Wrote some letters in
morning.
Took a mule & packed on
some flour & bacon & cracks
& started for the top of the
Santa Catalina Mt.
Went about 25 miles &
camped at an old mine on
base of the mountains.
Set a few traps.

29. Climbed up past the Copper
mine & at about 2 miles
further up, camped at an
old coal shanty in a
quiltch by a little stream
& among large pines.
Saw a Bear tracks & several
Panther tracks in road, killed
a new Chipmunk & saw a
large Gray Squirrel.
Killed a Bat in evening - saw
more. Had some of my own bred
for supper & some bacon.
Turned in on a pole bunk.

May 31. Caught a new kind of Hesperomya with a black face + back. Went up on the summit, could look down on Tucson + Mammoth + Camp Grant, to see away in Mexico. The pines & spruces are larger at the summit. The asp, pines, + maples in the gullies. Strawberries + huckleberries, + painted cups + yellow honeysuckle are in blossom. Grass is growing. Saw several bear tracks, one very large + several smaller. They were fresh + the smell was afraid.
June 1. Went to traps & hunted awhile in morning, then worked rest of day at specimens. Made 12 skins. Shot a Bat in evening. A warm, pleasant day. Have not felt well.

"2 Sunday. A few sprinkles of rain in night to all day.

"3 Killed some Chipmunks & a pair of Columbia fasciata & Whippoorwill & a P. cornuta, the last I all new to me. Hunted, made skins & set traps. Watched for Poor-wills all evening. Saw one. A cool day & cold evening.
June 4. Tried to rain but failed.
Killed a Mule deer this morn, or a Painted Redtail, both new to me.
Hunted and made skins as usual, didn't go far from camp. Saw & shot 8 doz.
at one. Found Panthex tracks in my yesterdays tracks - one within 6 feet of my door.

5. Hunted in morning, then made skins, cleaned guns + loaded shells. Packed the skins to carry down to Oracle.
Have been 3 days alone on the mountains but not a bit lonesome.
Had a lively thunder storm + hail. My camp leaks 5 things got damp.
Jumle. Got up early, cooked my breakfast, packed things on to Stroopenddyke. Started down the mountain as the sun came up. Reached Straitman Ranch at 9 o'clock. Had a social chat after an 8 days solitude. Arrived at Oracle at 8 P.M. I found they had planned to go after me to-morrow. I intended to stay a week but was away 10 days.
Rode around back for 80 miles & down 4500 feet of mountain. Took 9 solid hours of slow riding. Have been troubled all of the time with my old complaint & felt weak & not like doing work very hard, otherwise I could have accomplished work. Cool, wore a coat all day.
June 7. Wrote some. Made some bird skins, hunted & set a few traps, wasted two hours watching theoucher men catch & brand calves. Shot a poor will in evening. Wrote some more. A cool & very pleasant day. Am trying a diet of bread milk & feel better.

8. Hunted & made skins. Didn't go away far. A pleasant day.

9. Saturday. Not feeling very well but better than for some time past. Weather splendid & water is pure.
Went down a wash for about 3 miles. Found some
new berries & saw lots of
lepus aggrations & tapisins.
Killed a pair of Seps
in evening & a Bat.

11 Went with Mr. Dodge 3 miles
down the valley for a sheep
& killed 2 little Sheep with
spotted backs, new to me.
Killed two more later.
& a Callifoka squamata.
Set 20 traps & made
some skins.

A warm day, but I feel
well again & can rest
enough to work on.
June 12. Went to traps before breakfast — caught 2 Dipper ducks and 1 mynah bird.

Dessert: an Omelette, 1 Hespermys, 1 Jar of Carrots, 4 white leeks, 1 Jack Rabbit.

Took a mule and went down to Mammoth - 15 miles. Hunted along and did not get jack till 8 P.M.

Got a lot of mail. Killed a little spotted frog - 2 lizards - 2 turtles - 8 mule birds.

June 14  Went to traps, caught two
Dipodomys agilis (?). Took
up traps, killed a S. moelleri
& Zapus texanus
Made skins & killed two
Zapus sylvaticus (?), & skinned
them in evening.
Got 2 Rats in evening.
A warm day, up to about
90°.

June 15  Killed 3 Rattles & some birds.
Put these up, worked from
4 P.M. till 1/2 on report.
Hope to get packed up &
ready Monday to start for
Tooton early Tuesday.

June 16  Sunday,
A pleasant day.
Wrote letters
June 17. Got up at 4 o'clock & began our report, wrote till 9:30, then packed specimens & packed my trunk & am ready for an early start tomorrow for Tucson.

June 18. Started for Tucson at 8 A.M. & arrived there at 2:30. Had to wait till 7 P.M. for the train to El Paso. Spent several hours with Mr. Brown & saw many Bandaras &c. all along the road to Tucson. The hares & moose of the desert &c. were innumerous to near Tucson. 9. Tachistars were not seen until near town & then were numerous. It was dark when the train started.
June 19. Reached El Paso at 9:30 a.m. Had about 5 hours of daylight before reaching the Rio Grande. All day that we were crossing over a level, mossy plain almost uninhabited. Holes & wounds of Diff'rent kinds desert (?) were common all along. To near the river valley, so were other small holes of probably Shrimphis + small Diff'rent kinds. Very hot at El Paso, 105° at 3 p.m. My old complaint has returned. O2 did not go for aannie till towards evening + then found only a corn + few Rabbit Tracks. Found no place to set traps. Saw one Saffinwits & 2 Night Hawks. Sow Bats in town in evening.
Jan. 20, Went down the river flats in morning, Shot a Speeropills and set trap for Gophers. Did not go far, saw few signs of animals, froze buds in trees. Did not do much all day, hot and I am not well. Went down to the river again after supper and shot 2 Bolts and bought a Geemy and set more traps. Bolts were thick. A hot day, 104° at 5 P.M.

21 Went to traps and hunted a little in morning and evening. Got another Speeropills.
June 22. Packed up & left El Paso at 7 P.M. for Albuquerque. Followed up the Rio Grande Valley to Rincon, then struck across a quite level & grassy plain till dark. Saw Travis Dogs near Anglo.

23. Reached Albuquerque, N.M. at 3 A.M. Woke up in a new town, sick. Went to a doctor, & he gave me some quinine Sunday.
June 28.  Have had pneumonia but am better.
Took a streetcar ride of a mile to old Albuquerque.
Made friends with some Woolrich dealers & got some notes.

June 29.  Got some information about the country.  Laid in a stock of supplies ready for a start Monday morning for the mountains.
Feel quite strong again.

June 30.  Sunday
July 1. Took the San Pedro stage for Harris station, 20 miles east of town. Didn't like the looks of Harris, so came on to San Pedro, 35 miles from Albuquerque. This is not a good place either. There is no open water near & animal life is poor. Pines, eldars & cedars are thick all around & the principal tints. Saw lots of Cynomys gunnisoni all across the bad lands about 15 miles between Albuquerque & the mountains.

2.camped till most noon found no water & little game got a famias quadripterus & saw mosq. can't find a place in town to board. it is full of miners. pitched my tent just out of town & began horsebacking again.
July 3rd - Went up a canyon, shot a few, shot and Chipmunks. Didn't go far. Have another attack of diarrhea, feel weak in the legs.

A cool day and windy. Made a couple of skins and fixed tent.

July 4th - Caught an Omelbawg and a young Beepewg.

Shot 4 Chipmunks and some birds.

Set more traps.

Made 7 skins.

Eat 3 good meals and feel stronger.

A warm day - 89°
July 5
Caught a Dipsops + a
Crickets + Some Hesperamps
Seewicks + a S. grammicus,
Something eat a Nestora +
a S. grammicus out of my traps.
Made skins,
Got a long caustic tay.
Didn't get done stalking
in time to go to traps again.
A warm day, turned boot
& rained a few minutes
toward night.

6
Caught a Neurocyon virginianus
but it broke the traps elaps +
went into a hole in the rockes
as I came up to it.
Caught a Hesperamps + a
young Nestora + a S. grammicus
& shot a Chipmunk + two
Glaciadurnia ground.
Made 6 skins + rested.
Am getting strong again.
A pleasant day.
July 7.
Sunday.
A pleasant day.

8. Tramped till noon & set traps. Went up above the town spring. Found but little game. Got two Chipmunks & a Prairie Dog. Made a few skins in P.M. Rained! quite bad in P.M.

9. The rain sprung nearly all my traps, only caught a Woodchuck & Nootka. Reset traps, then it rained & I had to set them again. Caught another Woodchuck & Shot some birds. Washed skins. Cold in morning & evening.
July 10
Caught 3 Opossums & three Dip-dops & a Kfreydornt. roused us.
Rained in night.
Made skins, hunted, &
set traps.
A cool day.

July 11
Caught 2 Heffalumps & 2 Dip-dops.
& killed a Prairie Dog & some birds.
Made up these skins & in P. M. hunted off to the
W. Towda big Prairie Dog
Town, all C. Indios came
killed one. They were a great
happier than town.
A pleasant day, not hot.

July 12
 Caught nothing but a Throny
 & only killed a Flycatcher.
Skinned these & a Prairie
Dog. Loaded shells,
Cleaned gun & packed a
small box of skins.
A poor day's work.

14 Sunday
Wrote, read, & rested.
Rained hard in P.M.

15 Left San Pedro at 9 A.M. & reached Albuquerque at 7 P.M.
Killed our Mains Dog at Old San Pedro, intended to kill some on the mesa but a rain came up & did not stop for them.
Got thoroughly soaked in one of the heaviest rains I ever saw.
The mules refused to go & we had to stand & take it.
July 11, Didn't get started fo a hunt till 11:38, then went upon the mesa & killed 4 Prairie Dogs + 5 Spermophiles & 5 Starlings & an Owl.
Got back at 5 P.M. & skinned the Spermophiles & 2 Prairie Dogs before 10 o'clock.
A hot day, cool in evening.

17. Got up at 5 o'clock & went to traps upon mesa before breakfast. Caught a Spermophile & shot a Prairie Dog, a C. gymnisoni.

Got to work at skinning before 8 o'clock & finished all the things at 3 P.M.; then set a few traps on flats but it rained & I came back without any game.
July 18. Hunted till noon. Got a Prairie Dog + a Black Rat + 3 Hesperophiles, all on the flats between town & the river. Made skins most of P.M.

19. Went to troops & took them up, caught at Honeywys + 2 Hesperophlines.

20. Took up troops before breakfast. Got out Honeywys. Champed over mesa till noon but found no signs of C. ludovicianus. Found toles & tracks of Dipodomys deserti about 3 miles back on the mesa.

Sketched a Prairie Dog + a Hesperophile in P.M. + put up skins.

A lot done.
July 21 Sunday.

"22 Went up on mesa & set traps for D. deserti & hunted. Got a few cheenews saw a small rabbit but didn’t get it. Got back at noon.

"23 Went to traps, caught two big Dipodomys, killed a rabbit & a ground squirrel. Made skins & went on in P.M.

A warm day.

"24 Went to traps early & took them up. Caught two big Dipodomys, but a snake had spilled out. Packed the specimens. Don’t feel very well. Rained in P.M.

"25 Didn’t do much all day, just waited for mail & tinkered around a little. Am not well.