

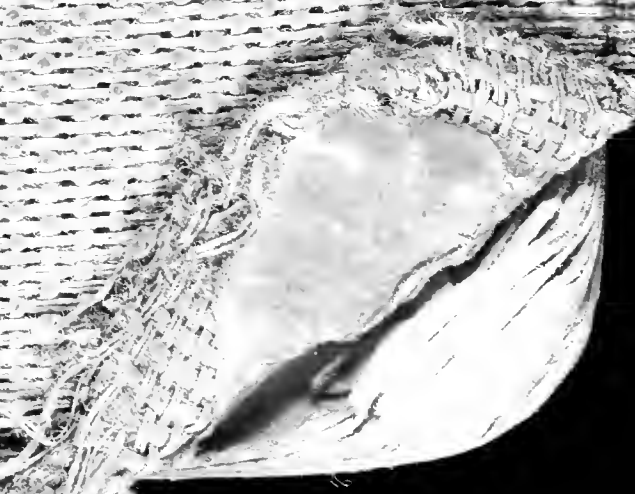
Handwritten text, possibly a title or author's name, located at the top of the cover. The text is faint and difficult to decipher.

Small handwritten mark or symbol, possibly a circle or the letter 'O', located below the top text.

1905
A rectangular label with a double-line border, containing the year "1905" handwritten in the center.

Decorative flourish or signature, possibly a stylized name or logo, located below the label. It features a large, ornate scroll on the left and a smaller, more intricate design on the right.

Small, illegible handwritten mark or symbol on the right side of the cover.



Main St.
Los Angeles

Alvarado's Lumber Co

Alvarado's
of Los Angeles

J. E. Bachtel
San Diego

Order by the
Messrs Messers & Co
San Diego

Messrs Allen
& Co
Russia
W. Mex.

Lepidum
alpinum
vestrum alpinum

Aug. 17-1885
San Diego

San Diego
San Diego

Mr. R. C. Caldwell
San Diego

San Diego
San Diego

24187
24188

Alfred Walker

Clouds

from

24189
24190
24191

San Diego

1
Tues Aug. 8 - 1905
Left Iowa City Aug. 8
at 10:31 AM. for W. Liberty
& Columbus Junction.

Wed Aug. 9 - 1905
Traveled through Kansas,
Oklahoma & Texas, and reached
New Mexico a little before
sundown. Took pictures at Terlingua.
Everything looks bright &
green as a result of rains.
As we approached the
New Mexican line specimens
with green foliage were
abundant.
Collected a few plants at
Maravilla, N. Mex.

away from yellow fever,
Saw Dr. McCall, an S. W. D. gen.
Med. on train coming up.

Friday, Aug. 11 1905
Woke S. E. from Clondroff
in deep woods. Found the
forest here chiefly of
Douglas Spruce, Bull Pine &
a good many Silver Spruce.
The Bull Pine is the three-
leaved var.

Found many plants, fungi
slime molds, & some shells.
Many plasmodia were seen
& a good many parasitic
Agarics, etc.
It rained in the afternoon
and I got wet.
Pressed plants in the
evening.

Mr. Walker in in charge
of the Lodge.

The El Paso people call
Clondroff their "sky-parlor".

Saturday, Aug. 12 1905

Took pictures between 10
am. & 1 P.M. along RR,
below Clondroff. Before
that pressed plants, made
presses, etc.

In the afternoon went
S. W. and picked up a
few plants and some
snails - especially the
large Pupa. & packed
In evening changed plates,
wrote up notes, & wrote
cards and letters.

6
Sunday, Aug. 13

Prepared to go out, but
it rained during most
of the day and I chanced
to write letters, and
finally at 4:30 P.M. went
out for a short walk
S.E. Fungi were
plentiful, & found
a few plants, usually,

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Monday Aug. 14, 1905

Left Concord for Ruma
at 7¹⁰ A.M. Got to
the Commission, 1 1/2 mi.
down Ruma from Liba
9 am. Found Mrs. Allen
& presented my letter.
Gathered much interesting
information from him.

Company still has about
33000 acres of forest
land. - to last 15 yrs, ^{on basis}
have been cutting 6 yrs.
Get 7-10000 ft (log scale)
per acre.

1 1/2 millions ft (log scale)
per year.

Best wood is Red Spruce
(Douglas Spruce)
Balsam pop & now only
for ties.

All the wood except
small stuff etc. is cut

by the creosote method
(Orlery) at Alamogordo.
White Fir is not certain,
hasn't been tried long
enough. won't lie on
ground.

In estimating yields
they step off about
10 different squares
in each 160 acres,
and count trees - then
^{experience} ~~the~~ ^{from} estimates the
cuts from each tree.
These estimates have
come out very well.
They use the ~~same~~
graded locomotive
made in Lima, Ohio.

Mr. Allen referred me
to Mr. J. W. Arndell
at Lucas camp.
Went to Lucas camp
& saw lumbering outfit
a boy swab skidway
with cheap kerosene oil.
Does it by carrying
in a pail, dipping stick
with rag dipped in it
into the ~~oil~~ ^{skidway}
kerosene with this as
intended.

The boys use kerosene
oil in their saws
to cut balsam.
The skidways are mostly
from 6 to 8 in. stuff
& rest on cross-pieces.

They call this skidway
a "slide".

They slid about 6 logs
16 x 20 ft.

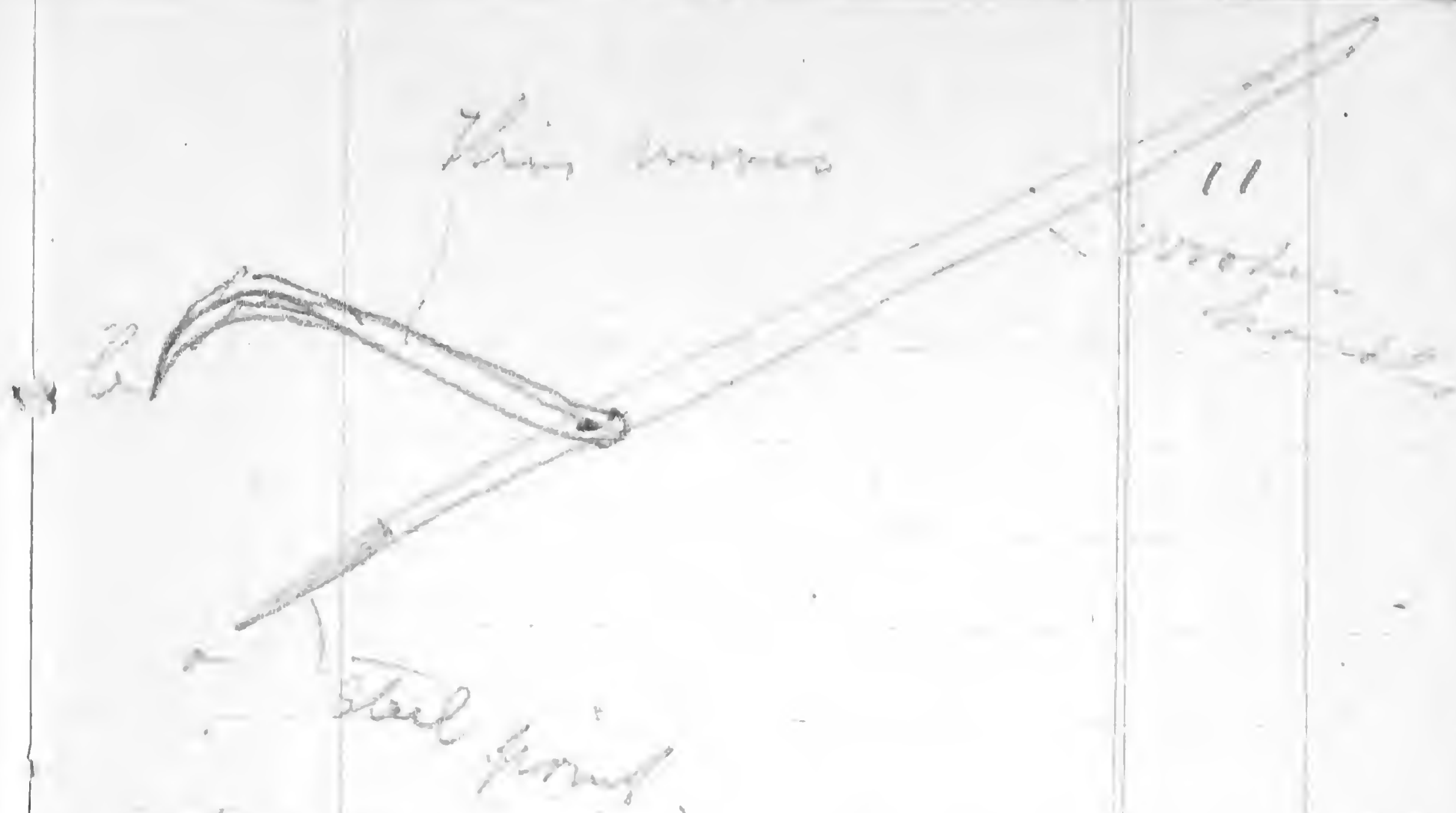
Up in the smaller
Canyon (Scott Canyon)
they ran logs together
from around the ways
of them drag them
down with a rope
or cable fast to the
near log.

They use horses but
a team of it seems
to be hard work.
The heaviest log roller
revolves like the
part so that the
crane and "scissors"
(log hooks) can be moved
in any direction.

The men handle
the logs with log-
hooks -

see diagram

This moves



The point (as is known)
log, etc. for support
and the hook (as is put
over log to be moved, or over
log at which log is driven
back from lower
camp. Its known as
clouds pt. Most of the
after walk was made in the
dark, & the silence of
the forest was magical.
Notwithstanding that I was
loaded with a camera, pants,
box, basket, game bag, and pack
bags, I enjoyed the party
of the moon light mountain
forest fully. The smoke

shadows contrasted with
the silvery green of the
illuminated portions
beautifully.

Tree notes:

I found *Pinus ponderosa*
came down down. It
is a summit species,
the same in trees of
the White Pine.
Balsam, on the other
hand, is found lower
down.

The White Pine seems to
be scattered along from
top to bottom layers.
The larger spruce
white pines are much
common upward.

I walked about 20 miles
today. 1 1/2 to 2 miles from Basin
to the Compressor, & 2 miles from

Basin to Lucas camp &
about 2 miles up into
Scott canon where the
men were operating.

Tues, Aug. 15

Spent the day in drying
plants & taking
pictures. I took
pictures in Cloudcroft
& on & about the
Lookout.

In the evening I
wrote letters &
changed plates.
Packer exposed
plates to ship by
express.

Woch, Aug. 16
 got up at 5 am &
 changed dress - packed,
 shipped my stuff, checked
 two traps to down city,
 & left at 9 am. got
 Alamosa goods.

The log train had 15 cars
 of logs, - an average
 had each group the track
 on curve right ^{high} bridge above
 Pinto, have ~~some~~ a
 good view.

Remember ~~the~~ ~~at~~
 soon & went to hotel.
 Hunted up blocks & visited
 "Breeding" plant where
 Mr. Caldwell explains
 business (see sheet)

They have two retorts,
 each 100 ft. long, & into
 them they haul ties (5x6 in
 each) on steel cars.

When full the retorts
 are closed & subjected
 to steaming, 3 to 7 hours,
~~say no.~~ for green wood - &
 then pump out air &
 form vacuum, then turn
 in rotation under pressure.
 They use the chloride of
 zinc & tannin process &
 for this a 2% sol. of glue.
 This is the well known
 process. In Preserving
 they do not use tannin
 or glue. Any process
 could be used with
 these retorts, but
 storage tanks for the
 various liquids would
 have to be used.

Thurs. Aug. 17.

Started for mountains early.
Found a lot of plants, & took
up specimens, the Larrea
belt.

Cholla & the white cactus
are both common in lower
part, the latter especially,
but little disapp. upward,
where it is more bouldery.
Mosquito is not
throughout, clear up
into Ocotillo belt.

In the upper part there
appear a few Ocotillo,
Yuccas, an occasional
Dasylirion, the shrub
"sage" (kino), the white
rose tree, & all the

cacti of the lower
zones, all of these
forms, perfectly belonging
with the Ocotillo belt.
Insects, ^(beet) were found
considerably
Have been very much
annoyed by mosquitoes!

The Ocotillo belt also
has a few straggling
Larreas.
Returned at 11 AM. Changed
drum & crated blocks of wood.
Caught beetles for Wickham
& a few grasshopper for
former, at the depot.
Shipped (checked) one grip to
Miss Covough.

Fri. Aug. 18.

Left Alabaster at 6:15 AM.

Found Prof. Macbride
on train: Spent the day
in sitting down, changing
dresses, - went to jewelry
with Macbride, - etc.

Met Judge Waterman's
son, who is the Rock Island
city agent.

Rained a little in PM.

Sat. Aug. 19

went out in morning train
at 9:45 AM.

Amesbury, & Mr. & Mrs. walked
bank, collected many
plants, the family
right at Amesbury
is sandy, but near
the river it is rocky.
I worked along there

The Laurus belt &
Oscutello belt show.
A few chollas are found
in former.

Saw *Agavea elata* in
sandy parts, but in
Oscutello belt the
then corner grass is
occasionally found.

Saw the little wh. vine
shrub in Oscutello belt
in poor condition, & did
not get any.

At night changed
dresses, photos, etc.

Rained a little in PM
& people made a
great fuss over it.

Sun, Aug. 20

Spent forenoon in
changing drives, etc.
In afternoon went out
to ~~town~~ St. John's, in
street car - to climb
fast way up Mt. Franklin
with pictures & plants.
Spent evening in changing
drives, etc.

Monday Aug. 21

Spent whole day in
changing drives, drying
paper, packing, etc.
In evening checked valise
with plants, etc.
A busy day.

Tues. Aug. 22

Changin drives, etc., etc.
Went out town side of ~~St. John's~~
& the dams, & took a
lot of pictures - in
St. John's.

P.M. went to James &
collected plants &
took pictures.

Spent evening in arranging
& packing.

Wed. Aug. 23

Packed, and left at
10 AM for Denning.

Beyond Annapolis - there
is sand, - dunes like
E. of Annapolis.

Then near Straus. The
plain is flatter &
less sandy - a redish
soil - with ~~the~~ the
green slate, and grey
concrete.

Membrus river at
Denny.

Martynia, white
Crocus - flat headed
small yellow cups,
small green flowers, flat
like tuberos - gray
slender tubers, purple
spring (Lupinus?)

The soil is a
soft brown
between heights
greenish
purple.
The yellow
is particularly brilliant -
a beautiful sea of gold.
Beyond Laramie saw
filmy topped plant
very abundant
Red water (tree root)
Saw an Ephedra -
several

purple a few in fruit
rather on many in fruit -
a forest -
Over a large area the
green & purple are
missing & smaller plants
only are visible.
Small tub. composite at
the base of the green
stuff in canyon.
Also the coarse green
till on a plain though
mountains are visible
on both sides.
Lupinus (green) Aster
A horseweed
a thistle
Verbena
Helianthus, cornus?
Martynia, cholla (red)
reached Redm.
Beyond Redm. more
grass, - a grassy plain

cut, trees at
 Page, NM.
 Mt. Ash, Populus alba,
 Lombardy Poplar, Robinia

The territory w. of Denver
 continues same. There
 are grassy tracts, on
 better soil, mesquite
 tracts on red sand,
 & grassy forest on sandy
 soil. The plain
 continues broad & flat,
 & on all sides there
 rise out of it great
 mountain peaks.



These mountains have no
 forests, but are more or
 less studded with (it is said)
 scrub oak, cedar & piñon.



All these mts. seem
 to rise very abruptly
 out of the plain.

A good ways beyond page
the plain is grassy, with
an occasional small

Yucca. This
emerges into a gray
sage-bush desert with
Ephedra & an occasional
Yucca. There is
more or less grass here.
The sagebush seems to
have been limited.
Ephedra dots the plain.
More Yucca.

A little gray sage.
A great expanse of
Ephedra & Yucca.
This was just before
reaching Hawkins, NM.
No town.

Beyond Hawkins
more Yucca & few
Ephedra.
Yuccas again ^{few}
& more grass.

The size of the ants, does
not appear so abrupt
when you get near to
them.

a little mesquite again
& also resinous shrub
like Larrea (palm)
also gray shrub (Chenop.
with wings p.)

Had rained heavily
here. Big pool, its
Big cattle range near
mile post 1151. Red
desert grazed here!

Abandoned ranch -
wind-rotted & dead trees.
Plain here almost
without shrubs.

Have entered Larrea
area ^{near} mile post
1148. at 1148, foot
went out again.
This was just before
going into Lordsburg.

We cut Larrea belt
 just a little, but large
 areas can be seen
 toward the adjacent
 mountains.
 Looking is built on
 gravelly soil, real
 Larrea soil, only not
 very rough gravel.
 A small stream gusted
 me at Loring.
 Both Loring &
 Deming have good
 many side houses.
 Saw weeping willow¹³
 at Loring.
 Larrea is right in
 town.
 Not promising V. only
 look bare.
 W. of Loring is
 great grassy plain.

nearly 2 hrs behind
 time at Loring.
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We run in Larrea belt
 W. of Loring. Gravelly.
 See flat Opuntia - none
 before this.
 Yuccas few.
 Course Yucca & Agave
 (low) -
 About 3 mi. out the
 mountain slope in
 closer together, the
 valleys all Larrea belt,
 clear across.
 The air is strong with
 Larrea odor.
 Get out of Larrea belt
 after a while.
 Some Yuccas
 about 1 ft - whitish.
 Carren, - a few
 salt bushes, at a guess.
 This is a sagebrush
 area.
 mountains more ragged

Again yucca belt
than Larrea belt
mountains close in.
Saw quite a group
of Acatillo.

~~Stem~~ ~~Acacia~~
Stem Pass is narrow,
Mts, rocky, rough.
Ought to be a good
field.

Acatillo common.
All Larrea belt.
A few of *D. angustifolia*
a cedar tree.
Coarse Yucca,
Agave in fruit.
The plain is dark
with Larrea, mountains
are near & rough.
Passed into Arizona.

A great Larrea
plain.

In Arizona.

Larrea

D. angustifolia

Yucca elata

a coarse.

Acatillo

Yellow (flat) ^{thunder} gray, compact

Mesquite

Big Cereus (like St. Pass)

Ephedra

Stems resinous, *Quercus*?

Winged *Thurbergia*?

Fringed white like *Stem Pass*

Cholla? - *Artemisia* *flandrian*

Fine Mesquite (not *Prosopis*)

Cholla

Helipis-like, gray, comp.

Yellow

Stem Pass flat

Yellow *Cholla*?

Grass bayonet

At Tuma we saw out
of Larrea belt, but
plenty could be seen
toward west.

Again entered it, I
saw many where it.
This changed to reddish
desert with abundant
mesquite, gutierrezia, etc.
is this extends beyond
Bonnie.

Then came some
grass & a few
juncos.

Everything looks bright,
as it has been raining.

On the grassy
plain we struck
miles of yellow
Cercocarpus? So much
that it was strong
with it.

Wilcox, Ariz. is quite
a town & has what
seems to be an old
mission church.

The Cercocarpus field
is just before getting
into Wilcox, & extends into town,
and beyond it.
Trees in streets, - ad-
cottonwood, etc.

The plain is yellow
with Cercocarpus? For
miles beyond Wilcox.

Struck a great
alkali plain (almost
bar) a little W. of
Wilcox. A large
part was covered
with water. It is
several miles long, & probably
 $\frac{1}{2}$ or 2 mi wide.

Reached Tucson about
4 pm & put up at
Willard's home.

Fri Aug. 25

Spent most of day
 in cleaning dishes
 washing letters, etc.,
 & making small purchases.
 At 11 AM started for
 the Tucson Mts, about
 2 mi. S. of Tucson.
 The summit of the
 sharp rise to east,
 the one to west is
 Laboratory Lookout.
 I saw an owl, a
 few quail, and
 some doves. The
 vegetation is
 desert & there is
 a stream I went out
 to the spring, which
 was water supply, &
 climbed up to the
 Capitan Peak
 Laboratory. It is
 very up Laboratory

Lookout, on a sort of
 shelf. The bench is
 square shaped, later, & built
 of irregular volcanic rock.
 It is moderately well equipped
 with physical apparatus,
 chiefly moisture app.,
 the library is also very
 fair. A lot more is
 needed. I saw with
 Dr. Cannon, and
 Prof. Sherman, who
 spends a lot of his
 time here.
 Thus far the investigation
 has been conducted on
 soil & moisture alone.
 They have no botanic
 as yet (how like S. W.!)
 but expect to get some
 soon. A young
 man was in charge.
 Altogether the trip

was pleasant & profitable,
but it was dreadful,
had passed the whole
course of my life,
On my return I found
myself changed dress
packed, at a hotel
after 9 AM started
for the west.

I felt relief and
relaxation at Yuma,
Ariz. in the morning
of Aug. 26th from
Cuba I remember I saw
Cholla, Saguaro, Palo Verde,
Saguaro, Palo Verde, Saguaro,
the smaller Prosopis,

Sat. Aug. 26

Arrived at Yuma, &
crossed the Colorado, there
not an imposing stream.
The country west of
Yuma, - in California,
for many miles the desert
is flat, though mountains
are visible on the
north. On this desert
I recognize Larrea,
Opuntia,

About Ogilby on S. side
for several miles there
are fine sand dunes,
heaped up in fantastic
shapes, & with sharp
"combs" or crests. They
are almost bare of
vegetation.
The ground desert is
more or less granular.

(As we rounded the river
at frame we saw the
heads of the horses,
who were a few miles
here.

One horse, dark brown,
brown, spindly, but
active looking, was
available.

The other horses were
scattered for miles.

The hills are
rather low and
scattered. Several horses
into point of view
to be seen.

A little more
of the horses are
seen. The horses are
of the brown color.

At mile 679, small
pond from San Francisco

we came to the very
front of the end of
the great sand
dunes. We then came
to mile post 676 1/2 over
a sandy plain, which
extends far to the
south. This sand-
dune area is splendid!
They are about 32
miles long.

Beyond 676 the desert
is again more gravelly.
Larrea scattered all
over.

Beyond Flaming Hill
Larrea practically
disappears, & the
desert is more barren,
but shows dry small
plants.

Beyond the sand dune
area, & indeed over it,

may be seen west, far
 to the S. There is a
 great low intervening
 plain - not very fertile
 the trees (low, scrubby)
 which I have seen
 scattered along are
 probably Mesquite.
 Rivers about 100 yards
 in width, very
 shallow, - cut up
 by small narrow
 swells. It looks
 like good soil.
 The water to a great
 extent is S. of
 track, is probably
 all alkaline, though
 no white incrustation
 appears.
 At Porton 256 ft
 below sea level.
 The whole country

for many miles in
 Florida. The water
 at the Duvern
 irrigated from
 pen & the water
 is flowing in from
 a point in the
 Colorado river 100
 ft above sea level.
 The St. Pacific has
 already been expected
 to move its track
 E. of Porton, &
 if this keeps on
 they will have to
 move to the foothills
 N.
 The water is now
 said to be 15 ft
 deep in places.
 As salt in the water -
 factory is in water &
 the station practically
 on.

at Cochabamba. The country looks settled, - irrigation, of course. Indio was counted about 9 am. & we had a good breakfast. Indio has cottons & palm trees & looks pleasant. Mosquito is very common in the part of the country. The mountains are rather near on both sides. It becomes somewhat marshy & rainy beyond Indio. At Indio are vineyards & orchards. The sand in the dunes are in whitish (yellowish) on it is a marshy, soft. Larrea the gray winged grass (chenopod)

At Pabon Springs there is another little palm oasis. Beyond that there is a steep, erect cañon, with a cluster of cacti like branches at the top. There are also some Ephedras. Larrea still continues. In Pabon there are some orange groves. The whole plain covers with dunes, as we approach. The San Jacinto Mts, Ephedra is very common in here. Both the San Jacinto & San Jacinto Mts rise abruptly out of the plain. At whitewater the dunes is near base of San Jacinto Mts, &

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This would make a
 good stopping place.
 The country area
 near by would give
 many plants.
 Cuzco is another
 good place. Palms
 & nuts, near by
 orchards.
 At Punning fine fruits,
 grapes, etc. Cedar,
 Eucalyptus, etc.
 There are also great
 grain fields here.
 The San Jacinto's
 run out into a series
 of low hills.
 At Pucallpa we
 get up to 2500 ft.
 & are fairly on the
 hills. There are
 great orchards, plum
 & peaches, also large

fields of grain alfalfa
 etc. a kind of tree, the
 Eucalyptus, Cedar,
 Lambardy, Poplar, etc.
 are met.
 A fine region.
 Beyond El Casco are
 Olive & Orange orchards.
 Redlands may be seen
 at foot of mts., 4
 miles away.
 Colton has a fine park
 & the country around
 looks fine.
 Before reaching Otarso
 saw splendid orchards.
 Kaffir Corn field, &
 great vineyard.
 Reached Los Angeles at
 about 2:15 PM.
 Train doesn't go out
 until 11:30 tonight, &
 I have a long wait
 before me.

Went out to West Lake
Park & took some
views. Returned, &
changed plates, wrote
cards, got lunch, etc.
A big Washington
filipin stands in front
of S.P. depot. A metallic
plate on it says that
about a 1000 averaging
80 ft in height are found
in a canon near Palm
Springs on the S.P.
We started for the N.
at 11:00 at night, &
I went to sleep.

Sunday Aug. 27, 1905
I awakened at Schachapi.
Here we enter the mts. &
travel for a long way
on a winding road, with
turns, & a great drop, -

among into sparsely
timbered with scrubby
& scrubby oaks, ^{occasional low pine} etc.
It seems to be dry
now, but all grass-
covered.

Caliente is a good
point for work.
We got out of the
mountains before reaching
Bakersfield. Now there
is until we reached
the country
is a great plain, - dry
but with orchards & vineyard
where irrigated.

There is evidently much
oil beyond Bakersfield.

Reached Raymond at
 3:45 PM. I took a
 drive out on the mount
 took pictures & secured
 some pressed material.
 Spent the night at
 the Raymond Hotel
 (2nd) The large party
 came in in the morning
 (100 or more)

Monday Aug, 28, 1905

Left Raymond on the
 fast mail at 7 AM
 In the party were Mr.
 McCord, conducting the
 large party of RR
 commissioners of the
 several states
 Mr. & Mrs. Kellogg of
 Chicago (large) & S.
 Mr. Brown, the Sec.
 of Internal Affairs

of Pennsylvania.
 We reached Waukena at 2 PM
 On the way much timber
 is cut, & there is a
 great flume over 60
 miles long. (Kearney River?)
 We had lunch at Waukena
 & at once struck out
 for the big trees.
 Collected many plants,
 went to Waukena Pt.
 We did not reach the
 big trees, & spent the
 night on a log in the
 barn at the Waukena
 house.
 Mr. Wheeler, in charge,
 was rather unpolite
 & found us coming in
 at that time of the
 night
 Saw a deer in the morning,

Tues. Aug 29

We spent the day among the big trees. It was a splendid day. I saw many new birds all the afternoon but the new birds & slightly birds are plentiful. Met Mrs. Litch the cook & saw a couple of quail. The day passed very pleasantly. We spent the night at the cabin in the Pinnacles grove.

Wed. Aug 30 1905
Left morning in the

San Joaquin valley & reached Waverne at 12:45 P.M.

We had lunch & started for the Yosemite at 2 P.M. Reached there after 6 P.M. There were great fires in the forest & no effort made to stop them. We met our big party on the return trail. We had a view of the valley from the Inspiration point & saw the forest and fields. The Yosemite falls are now dry. Had a fine view of El Capitan. We now supper at the Yosemite Hotel & then walked a mile to Curry's Camp where we put up.

Thursday, Aug. 31, 1905

Spent the forenoon
 on arranging plants,
 & writing notes.
 In the afternoon we
 walked up the
 Merced river to
 the water works, & then
 to minor lakes.
 We had good luck
 with some mammals,
 plants, etc.
 We returned in
 evening, I spent
 evening in writing
 some notes.
 Went to bed at
 1 AM, & was up at
 4:45 for a days trip.
 In the evening I had
 to go to town for
 glass, etc., & this
 delayed me.

Our tent at Camp
 Curry was on the site
 of the one in which
 Prof. Leconte died.
 Curry has been running
 the tent camp about
 8 yrs. He is a great
 Indian hunter.
 There was much smoke
 in valley.

A very small amount
 of the following mammals
 were secured:

Friday, Sep. 1 -
 He started for Placerville
 at 5:45 AM - about
 we went by the road to
 Nevada Falls. The forest
 was beautiful, and
 the mountain to
 Libonette creek and
 the mountain to
 Placerville, which
 we reached at 12:30 PM

Mr. J. M., an elderly lady heard a buzz
at Glacier Pt. & thought it a graphophone!

The valley was
so filled with
moss that we could
see little
bushes at the hotel
at Glacier Pt. for
the stage which
will take us to
Chiniquap, where
we will stop & the
Wanona stage.
We had a number
of fine views during
the day. The
precipitation south
of the valley was
not remarkable.
There is no sign
of glaciation in
the trail which
we followed is
about 11 miles long
the main glacier

very steep.
The road from Glacier Pt.
to Chiniquap leads through
a different forest - largely
Murray pine.
After a breakfast here
we reached Wanona
at 6 PM. & stayed the
night there. I found
all our belongings there^{OK}.

Sat. Sep 2

Started after 7:30 AM
and drove toward Raymond.
The forest are being cleared,
& it is said will last
30 yrs. The Sugar Pine
killing co. operates
here & they have a
glacier 60 miles long
This is 47 ft. across &
has 16-18 in of water
sawed lumber in
around down & out

takes the turns
 12 hrs. to make the
 run. They leave a
 section house every
 7 mi. Above
 only 2 or 3 lengths
 are burned together
 & this is increased
 until below it is
 sometimes a mile long.
 They expect to use the
 water for irrigation
 after forest is cut.
 Sugar Pine is best
 lumber. Libocedrus
 not worth much.
 Fires do much
 damage, but where
 kept out young
 stuff comes up
 fast. We stopped
 at Ahwanee for
 dinner, \$1.00. This is

The above is the
 burned now oil &
 from mine of water.

61

Traveled with
 Mr. & Mrs. S.R. Newbridge
 & Sam F. He recedes hail
 storm in Iowa City, May 5-1894
 a pretty place in a
 great valley.
 We were repaid by hold-
 up stories.
 The bandit of a week
 ago had his picture taken.
 They are now on his tracks.
 A hold up between Ahwanee
 & Raymond 4 1/2 hrs. ago had
 up a stage load of
 granite rocks, a freight
 train or two, two
 stages, & a couple of
 cowboys. A cowboy
 took was near &
 came in sight of
 bandit, but he escaped.
 Jones Raymond there
 in the account scrubby
 foot hills vegetation
 buckeye, oaks, etc.
 Reached Raymond Hotel
 before 5 PM. Spent up.

Sun. Sep. 3. 1905

Spent forenoon in
drying plants.

In afternoon went
out in brush, etc.

Packed in evening.

Cost \$2.00

Fine granite quarries
at Raymond.

Mon. Sep. 4.

Packed, & left Raymond

at 9 AM for

Baranda. Changed

trains at Baranda,

at 11 AM. At

2 PM left for Palmdale

which we reached

at 6 PM. The

station is Kern,

& we took a trip

by car to Palmdale

7 miles away.

Left at 10¹² PM for
Los Angeles.

Tues. Sep. 5.

Reached Los Angeles at

7⁰⁵ AM. Cleaned up.

Took breakfast, changed

plates, and at

12¹⁰ started for

Palm Springs.

All the country S. of

Baranda to beyond

Palmdale (after that

I could not see) was

a great plain,

now very desolate

except near Fresno,

where there is more

irrigation.

Coming into Los Angeles

it is also very desolate

like, but rougher.

Going out of Los Angeles

There are fields
orchards & vineyard,
& for many miles,
the country looks
better, but is
nevertheless very
dry.
Colton's Redlands Sea
are in a terracing
arrangement. I saw
well constructed irrigating
ditches, & canals.
We reached Palm Springs
at 5:30 PM, on a narrow
gauge, and after
unpacking our
baggage we started
out about 7 PM for Palm
Springs Hotel, 5
miles away. The
walking is rough,
& a sand storm
swept from the west, -

Elytel found several
more good ones.

the direction from which
most winds blow, as is
shown by the leaning
shrubs, & indeed Ephedra
etc. fairly creeps
on the ground.
We reached Palm Springs
Hotel in about 2 hours
& found that Dr. Murray,
who has been conducting
the place for 30 yrs.,
was not there - the
only occupant being
back C. Elytel, a painter
from Union of California
who has been in Calif.
since 1872 - I took
the car, he takes
care of the place, &
paints. The season
here opens in October
& close in May. He

says many patients
 come, but since the
 second time because the
 doctor is cross ways
 here. He is 76 yrs. old.
 Mr. Eyles gave me notes
 on the birds, and some
 other things.

Wed, Sept 6, 1905

We went up early
 & after a breakfast
 of coffee, milk, &
 crackers, we started
 for the same canyon,
 but continued south to
 the Garden of Eden,
 where there is a
 great water supply
 from Andreas Canyon,
 but it is very dry.

As the owner holds it
 on a speculation, & it is
 not occupied.

We went on to Andreas
 Canyon, about 1 mi.
 beyond (W.) of the Garden
 of Eden, & found small
 palms, sycamores, two
 willows, alders, a
 wild grape, etc., and
 also a fig tree.

We then went a mile
 (W.) further to
 Murray Canyon where
 we found some
 water (but less than a
 stream as in Andreas
 Canyon), and the
 palms were here.
 Made exposures, collected
 plants, and started back
 at 11¹⁵ AM.
 The palms grow where

they can reach water.
 The lower leaves of the
 acacia are dried and
 are used as a protection to other
 from heat of the
 desert. For a long
 time, sometimes they
 eat browned stuff.
 We reached Palm Springs
 Hotel a little before
 3 P.M. Prof. M. was
 sick & not able to
 travel rapidly, & we
 gave up the idea
 of trying to reach the
 plateau. We again
 stopped at the hotel
 & Mr. Gabel got us a
 supper of coffee milk
 & pan cakes, & also
 bought some grapes (Wash.)
 from an old Indian.
 The Coachella Indians

own a reservation of
 5000 Acres. across the
 road from the hotel
 grounds. There are
 here about 7 families.
 A larger reservation is
 at Banning.
 They are large, well
 formed, & look husky,
 but it is said they
 cannot get used to
 houses, & are dying off
 chiefly of consumption.
 They do not propagate
 rapidly, & are dying out
 the same fruit, etc.
 & are self-supporting.
 The hot springs are
 on their ground, & they
 charge 25¢ for
 the mud bath. The
 springs are surrounded
 by Saline, some of which

may be native. They
 live in some houses,
 and many have a
 lot of tools, but
 their crops failed
 this year.
 Juan told me
 Capt. Miguel Marcos
 I was gone with some
 for a number of years
 in the mountains.
 I saw a young woman
 & a girl with a boy
 & a young boy looking
 like older men & women
 also looked vigorous.
 The older men use
 Spanish, the younger
 English.
 It is a Catholic
 settlement.
 The best palms are at
 Palm Canon, about 2
 miles from Murray Canon.

Thurs. Sep. 7
 After a light breakfast,
 & after I got my palm
 stem, we started
 for Palm Springs Station
 & got there about 10:30
 AM (we started at about
 7:30). I packed the
 plants, packed cleaned
 up, and at 3:50 PM
 the Golden State Limited
 stopped & took me to
 Mr. Ed. Merrill of
 California, a young man
 & day operator, who
 was very nice to me, & I
 took a picture of him
 & his office.
 In crossing the desert
 we saw many, mostly
 white lizards &
 2 horned lizards of
 same color, like desert.

On the way to India
 we could see a
 number of groves
 of palms, at the
 base of the
 San Bernardino
 Mts. (N. of L.A.), &
 across distant peaks
 the dry drooping
 leaves, etc.
 We also saw a small
 grove out on the
 flat desert, not
 far (3 mi.) from
 Palm Springs station,
 toward the San
 Bernardino
 river valley,
 when they irrigate,
 look very well.
 The great Salton
 basin is now a
 veritable sea,

1/2 station back from
 Imperial Jc.

if it rains the water
 is still rising.
 We ran from about
 5:15 PM (to of Salton)
 until 6:30 PM
 at (about 2 stations ^{back}), along
 the edge of the sea.
 They have had to
 change the track
 here. We then drew away,
 but could see it for many miles
 at Salton all is
 flooded. They ran us
 around the station.
 The salt factory stands
 away out in the
 water.
 We reached Yuma
 after dark.
 A row of squares with
 an occasional buckrat on
 the ground & a few
 beads, pottery, etc. for
 sale. They are the Yumas,

and large features &
 large of *grasses*, with
 a deep bronze brown
 color, & of course straight
 black hair.

It was a *wood picture*.

Fri. Sept

Awakened at 5 AM, a
 little cool & breezy, but
 very pleasant. During the
 morning in a little more
 cool, but for the most
 part all the territory
 is the same broad
 valley.

I saw some hills of
 Agave & *Ochoa* Agave,
 it had been growing
 all over the Blum
 Territory, & everything
 looks fresh.

The down-turned dead
 leaves of *grasses* no
 doubt protect the
 stems from the sun.
 The plain on which
 standing stands looked
 well. All the territory
 has been *planted*, &
 several more in progress
 over the plain.

We reached El Paso after
 2 PM. (approx. time)

I changed trains, packed, &
 I found here, and to
 my surprise, that the
 last post-office people
 had not been *sent*
 order as a *forwarding*
 order, and my mail had
 been returned. My letters
 to Miss *Carroll* for
 numbers of defective plates.

Sat. Sep. 9.

finished packing, and went over
 to quarry for photos.
 We used out 2 pieces &
 a grip of plant (cheese)
 and bottles & scales & box
 for sections
 I met Will Wiley, now
 a mining engineer at
 Holbeck, and the
 Carrough. They called
 at the Cloudcroft in the
 morning & made a tour
 in the I. P. mine.
 Carrough has been
 at the mine 2 or 3 weeks.
 left at 3:15 AM, but
 time for Alamogordo. There
 I found the coal & P.
 transportation & it was
 time the train for
 Cloudcroft. All the
 Alamogordo and mountain

country, looks very bright
 & green, finer than ever
 before, as they have again
 had recent rains.
 We reached Cloudcroft
 at about 9 AM &
 put up at the Virginia.
 It rained heavily at night,
 though it was almost
 frosty.

Sun. Sep. 10.

We started for Excelsior
 by rail at 7 AM. The
 morning was bright &
 fresh.
 Clouds & showers &
 frequent. Rain at
 noon & most of the day.
 got wet.
 Reached 7 PM & dried
 specimens.
 In evening started specimens
 & packs.

Mon. Sept 11,
 Day bright, but work
 wet. Packer & started
 for Alamogordo at 9 AM.
 The mountain vegetation
 is very low and
 all the available land
 is covered with
 green and a few
 shrubs, etc.
 etc. one or two
 tall trees. I found
 some new plants, but
 all the others are
 little specimens, both
 in number & size of
 plants & flowers.
 They may be an
 exceptional year and
 vegetation has
 responded splendidly to
 the magnificent supply
 of service. Reached
 Alamogordo at 11:30 AM.

Took lunch & went to the
 mills. Took pictures.
 Mr. Caldwell's list of native woods.

- A. Balsam.
- B. Yellow Pine
- C. Red Spruce
- D. Yellow Spruce (*Pinus flexilis*)
- E. White Pine (Black Jack) (*Pinus strobus*)
- 7. White Spruce

Mr. Caldwell says

- Circulating pump
- Vacuum pump & condenser
- Air compressor
- Evaporating pump

- I Pump 1/2 1/2 over
- II " " "
- A. Lines of stumps
- B " " "
- Mc Tanks for rotation
- m Train of horses when out of stumps
- 19 The Breasting Plant
- 20 Two saws used on right mounted on the left
- x Car loaded with lumber ready to go
- XI saw
- 9 Sawing lumber on road
- 10 " " "
- 12 Saw 2 logs
- 14 " " "
- 27 Mill
- 28 " " "
- 5 saw down on the stumps
- 6 push " "

A shingle bolt is 52 in long, the shingle is 16 in long, on a bolt there are 3 lengths of 4 in for trimming

We also drove to foot of mts. East & got tickets for Burbank. Returned & after some delay, the train took us out at about 5:30 PM. Car crowded.

Fri. Sep. 12
 Arrived somewhere in Texas. Country beautiful. All Kansas green & bright. They have had plenty of rain.

Fruit, especially apples,
looks well.
There is much Kaffir
corn on the way.

84

85

86

87

To left of beam
1st for ... days to right
2nd ...

Box, 13	14	15	16	17	18
	L	27a	29	19	9
	LL	27b	30	20	10
	29	31	21	S	21
	30	32	22	R	22
	15	I	17	6	27a
	16	II	18	6	27b
	27	N	21	B	15
	28	I	22	A	16
	13	E	I	XX	5
	14	F	II	X	11
	17	S	13	F	11
	18	±	14	E	12
	11	21	15	L7	29
	12	22	16	20	30
	21		17		31
	22		18		32

Box, 14

- 13
- 17
- 18

Summary
 Day 23 15 ...
 24 ...
 25 ...
 26 ...
 27 ...
 28 ...
 29 ...
 30 ...
 31 ...
 32 ...

about 5 ...

13, 14
 m n
 XX

...

...

...

Expenses

Fri

Aug. 25-1905 - Tucson -
Soda 10, view 25, hotel 2.00

Dray 35

Sat

Aug. 26 (en route) paper 5, fund 10,
breakfast 75

Los Angeles: supper 35, cards 35

stamps 15, books 5, baggage 30

carfare 10, plates 55, photos 50

Soda 5, Repair plate box 10

Aug 27 - Paper 5

Aug. 28 - Hotel Raymond (paid) 1.50, books 50

Hotel Wawona 1.00, cards 35

Aug 29 - Whelan 4 in box 50

Cabin. cards 35, paper hints 25

pin cushion 25, cards 15

Aug 30 - Wawona hotel 1.00, (paid) 1.00

Aug 31 - Curry's camp hotel 3.50, glue 10, cards 50

Candy 5, cards 15, stamps 15

Sept 1 - Wawona hotel 3.00, laundry 1.00

Raymond - notes 5, station 25

Sept 4 - Hotel 3.50 - (paid) 2.50

stamps 25, Paper 5, Supper 35

Medicine 25, Soda 5, Magazine 20

Car fare 10.

I
II
III
IV
V
VI
VII
VIII
IX
X
XI
XII

[Faint handwritten notes and a vertical line on page 100]

Sep. 5	Los Angeles - Photos ^{1.50} , plate ^{1.10} , breakfast ³⁵ lunch ²⁵ , paper ⁵	
Sep. 6	Profess ²⁵	
Sep. 7	Dinner ²⁵ , Supper (plate) ^{1.00} Dinner ⁸⁵ , Pillow ²⁵	
Sep. 8	Breakfast ⁶⁵ , dinner ⁶⁵ Supper (plate) ²⁵ , jacket ¹⁰ , plates ^{2.00} paper ⁵ , telegram ^{1.00} , sheet ⁴⁰ , lecture ⁴⁵	
Sep. 9	Breakfast ⁶⁵ , dinner ⁵⁰ , room ⁵⁰ car fare ¹⁰ , notes ¹⁰ , parcel check ¹⁰ Handwriting, etc. ^{2.95}	
Sep. 10	Hotel ^{1.25}	
Sep. 11	Hotel (paper) ^{5.00} Alamogordo dinner for 2 ^{1.00} Dinner ^{1.50} mag. ¹⁰ , Soda ¹⁰ , Paper ¹⁰ ^{1.50} Lunch for 2 on train ^{1.35} Pillow ²⁵	
Sep. 12	Breakfast for 2 ⁷⁵ Dinner for 2 ⁸⁵ Paper ⁵ , Paper ¹⁰ Supper for two ^{1.15}	
Sep. 13	Breakfast for two ⁸⁵ Cafe ²⁵	

104

105

Box 14

- ✓ 1 1 Carnegia Lab. looking W. Tucson 8/25
- ✓ 2 2 " " " " " "
- ✓ 29 3 Cereus top - Tucson 8/25 '05
- ✓ 30 4 " " " " " "
- ✓ 5 5 Hospital " " " "
- ✓ 14 6 " " " " " "
- ✓ 27 7 Cereus group " " " "
- ✓ 28 8 " " " " " "
- ✓ 13 9 Serravallo Peak - Tucson 8/25
- ✓ 14 10 Cereus " " " "
- ✓ 17 11 Hospital " " " "
- ✓ 18 12 " " " " " "
- ✓ 11 13 Carnegia Lab. Tucson 8/25
- ✓ 12 14 Not a valid Carnegia Lab. Tucson 8/25

Box 15

- ✓ 27 a 1 Cereus 8/25 8/27
- ✓ 27 b 2 Tucson from Mt. 8/25 8/27
- ✓ 31 3 Cereus, Opuntia, Palo Verde Tucson 8/25
- ✓ 32 4 Cereus " " " "
- ✓ 3 5 Palms at Indio from 8/26
- ✓ 8 6 (spoiled) " " " "

- ✓ 4 7 Carnegia Lab looking W. Tucson 8/25
- ✓ I 8 " " " " " "
- ✓ E 9 ~~gladiolus~~ } surface Cereus - body from
- ✓ F 10 ~~gladiolus~~ } see 7 & 8 box XIII. Aug 25 '05
- ✓ 3 11 Cereus 2 Palo Verde Tucson 8/25
- ✓ 4 12 " " " " " "
- ✓ 21 13 2 large Cereus " " " "
- ✓ 22 14 Cereus " " " "

1. Oak with some green

Box 16

- ✓ 29 1 white oak - Raymond 8/27
- ✓ 30 2 oak - Tucson 8/27
- ✓ 31 3 P. sabiniiana - Raymond 8/27
- ✓ 32 4 " - Tucson " "
- ✓ 33 5 Oak with chlorotic leaves - Raymond 8/27
- ✓ 34 6 P. sabiniiana " " " "
- ✓ 7 (over) Acacia wawona Cain 8/29
- ✓ 2 (over) Acacia wawona 1/2 way to wawona Pt. 8/29
- ✓ 5 9 (spoiled) " " " "
- ✓ 3 10 " " group " "
- ✓ 13 11 P. sabiniiana " " " "
- ✓ 14 12 Mangaritia " " " "

- W 13 Pinus sabinia & shrub
- W 14 House & white oak (made) Raymond
- W 15 Pinus sabinum "
- 7 Hill at Raymond - made
- 4 ~~Row in forest - made~~

Box 17

- V 19 1 Pine on ... 8/29 '05
- V 20 2 ...
- V 5 3 Spruce with ...
- V 4 4 ...
- V 5 5 Red ...
- V 6 6 ...
- V 7 7 Gen. ...
- V 8 8 ...
- V 9 9 ...
- V 10 10 Gen. ...
- V 11 11 ...
- V 12 12 ...
- V 13 13 Black ...
- V 14 14 ...

Box 18

- 9 1 Redwood - Mariposa
- 10 2 " " "
- V 21 3 Sugar Pine ...
- V 22 4 ...
- V 27 5 ...
- V 27 6 ...
- V 15 7 Yellow Pine ...
- V 16 8 Young Yellow Pine
- V 18 9 2 large Sugar Pines
- V 10 10 ...
- V 11 11 Redwood
- V 12 12 ...
- V 29 13 ...
- V 30 14 ...
- V 31 15 ...
- V 32 16 ...

Box 19

- V 1 1 ...
- V 2 2 ...
- V 3 3 Sugar Pine
- V 4 4 ...

Red woods

- ✓ 5 ~~Raymond~~ 7/3
- ✓ 6 } San Jacinto Mts & desert
Views from
- ✓ 7 } Cactus Palm Canyon
Garden of Eden
possible these lowest five in
box & nos. 1-5 were
next. then same
- ✓ 8
- ✓ 9
- ✓ 10
- ✓ 11 } Playa
adobe ruins & mts
- ✓ 12 } The Mary
- ✓ 13 } series
- ✓ 14 } San Jacinto
- ✓ 15
- ✓ 16 } " of Mexican
adobe
St. Paul.

Box 20

- ✓ 23 1. -Office RR. Palm Spring. Ed. Mulvihill 9/7-05
Colton, Cal. 9/7
- ✓ 24 2. Palms at station - (Oys. ob) - W. end walk 9/7
- ✓ 25 3. Palms Palm Spring Hotel 9/6-05
- ✓ 26 4. Palms at mouth of Cañon - San Jacinto Mts. 9/7
- ✓ 27 5. Old palm (Sporled) (S)
- ✓ 28 6. Young Palm
- ✓ 15 7. General view of desert - near RR. 9/6
- ✓ 14 8. San Jacinto Mts. from station "

25
16
150
256
406

- ✓ 9 9 Ephedra wind - part to left. 9/7
 - ✓ 10 10 Yellow Corp. (like ruscifera) - wind "
 - 11 11 Palm (Sporled) 9/6
 - ✓ 12 12 Young Palm - Palm Spring "
 - ✓ 13 13 Ind. (Sporled) "
 - ✓ 14 14 Palms along road & around spring. "
 - ✓ 15 = no O. (Sporled)
 - ✓ 16 16 Palm - Memory Cañon
- 6? + 16? are from one of the palm
cañons.

Box 21

- ✓ 1. Palms at hot spring 9/6-05
- ✓ 2. " " " " " "
- ✓ 3. (Sporled)
- ✓ 4. (Sporled) Cactus - species
- ✓ 5. Palms are all on slope
- ✓ 6. (Sporled) Cañon
- ✓ 7. (Sporled) Palms
- ✓ 8. Palms - Memory Cañon
- ✓ 9. " "
- ✓ 10. " "
- ✓ 11. " "
- ✓ 12. " "
- ✓ 13. abundant south - Palm Spring
- ✓ 14. Palm Palm Mts. - looking S.E.
- ✓ 15. "
- ✓ 16. Palms Palm Spring - looking S.E.

Plates (Photos)

all 27's

Box 1. (Begin at top in all cases)

- 1. Scant forest W. of Clonduff
- 2. Heavier " " " "
- 3. White sand - distance
- 4. " " " "

all Aug. 11-1905

Then 12 plates, including view of plain, Tealoma - Aug. 11 views of park, desert & ruins at Alamosa - Aug. 10.

Box 2, all but 1 & 2 = 27's - Aug. 12-14

- ✓ 1. Distant view of white sandy plateau
- ✓ 2. " " " " " "
- ✓ 3. S. bridge, looking down - group
- ✓ 4. Clear slopes - from S. bridge - W. of
- ✓ 5. S. bridge - looking up
- ✓ 6. Small "white-oaks" near S. bridge
- ✓ 7. Deforested slope W. of Clonduff
- ✓ 8. Forest covers " " " " Tree at center, a ripid (?) is white spruce
- ✓ 9. White ~~Spoiled~~ - W. of Clonduff
- ✓ 10. " " " "
- ✓ 11. White ~~Spoiled~~ - ^{from} lower end of bridge

- ✓ 12. ~~Spoiled~~ - W. of Clonduff
- ✓ 13. Looking toward Virginia Hotel Clonduff
- ✓ 14. Looking W along Chipmunk Ave. toward the Lodge - Clonduff
- ✓ 15. Looking ~~Spoiled~~ station - "
- ✓ 16. Looking ~~Spoiled~~ R.R. bridge - "

Box 3, Aug. 14-1905

- ✓ 1. ~~Spoiled~~ - ^{from} lower canyon
- ✓ 2. ~~Spoiled~~ " " "
- ✓ 3. White oak - ^{from} lower canyon
- ✓ 4. ~~Spoiled~~ " " "
- ✓ 5. ~~Spoiled~~ " " "
- ✓ 6. ~~Spoiled~~ - ^{from} lower canyon
- ✓ 7. Logs at end of shishway - ^{from} lower canyon
- ✓ 8. ~~Spoiled~~ - ^{from} lower canyon
- ✓ 9. Shudding logs - ^{from} lower canyon
- ✓ 10. ~~Spoiled~~ - ^{from} lower canyon
- ✓ 11. ~~Spoiled~~ - ^{from} lower canyon
- ✓ 12. Looking down the shishway - ^{from} lower canyon
- ✓ 13. ~~Spoiled~~ - ^{from} lower canyon
- ✓ 14. ~~Spoiled~~ - ^{from} lower canyon

27

- ✓ 15 Log train - Russia ^{at Y} -
 - ✓ 16 " " " Russia ^{at Y} -
- the 1st 8 are OK - they may be mixed,

Box 4 - all 27's
all Aug. 14-1905

- ✓ 1 - 2
- ✓ 2 - Skidway & Log - on slope - Russia cañon
- ✓ 3 - Bridge skidway - Scott cañon
- ✓ 4 - Looking down skidway " "
- ✓ 5 - Log train - Russia - Y
- ✓ 6 - " " " " Y
- ✓ 7 - Looking down Russia cañon - Mexican's house
- ✓ 8 - Log cars & Mexicans - Russia cañon
- ✓ 9 - Farm house near base Russia cañon
- ✓ 10 - Looking down Russia cañon from tanks
- ✓ 11 - Defunct. - looking up Russia cañon
- ✓ 12 - Looking up Russia cañon
- ✓ 13 - Where the skids go in - Scott cañon
- ✓ 14 - Blank (?)
- ✓ 15 - Barnhart log loader - Russia cañon
- ✓ 16 - Boys sawing red pine - " "

Box 5 all 27's

- Aug 14 1905 { 1 - Skidding logs - Scott cañon
- 2 - " " spoiled " "
- ✓ 3 - Log train - Russia
- ✓ 4 - Defunct. near Russia
- ✓ 5 - group of Pop. tremula cloudcroft
- ✓ 6 - White oak " "
- ✓ 7 - Scrub oaks " "
- ✓ 8 - White oaks " "
- ✓ 9 - 3 clusters of Robinia " "
- ✓ 10 - White oaks, Bull pine (left) + Red spruce (right) " "
- ✓ 11 - Red spruce (left) & yellow pine (right) " "
- ✓ 12 - Boys & donkey " "
- ✓ 13 - Looking N. toward Indian Reservation & White Mt. " "
- ✓ 14 - Looking at wh. cañons ^{looking} " "

Box 6 - all Ortho.

- ✓ 1 - Group of white Fir, cloudcroft
- 2 - " " (spoiled) " "
- ✓ 3 - Scarlet Silene " "

- ✓ 4. Rocky ridge with scrub oak, Robinia, & Symphoricarpos - Cloudcroft
- ✓ 5. View S. from Lookout - Calif. junct. "
- ✓ 6. Scrub oaks - "
- ✓ 7. Bark of Wh. oak } ~~W. oak~~ "
- ✓ 8. " " White Fir } ~~W. oak~~ "
- ✓ 9. View S.E. across river, cont. "
- ✓ 10. Red spruce (to left) & Bull pine (to right) "
- ✓ 11. White Crucifer (compared) "
- ✓ 12. Bull pine log - struck by lightning "
- ✓ 13. Grilled - "
- ✓ 14. Pentstemon, Eriogonum, & tall cream colored Composite - "
- ✓ 15. Log train - Lucas corner -
- ✓ 16. Barnyard log loads, & salmon Lucas corner

182
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Prof. J. (and his class)

- 1. ... 275
- 2. ... 275
- 3. Opuntia in fr. Orths
- 4. ...
- 5. ...
- 6. ...

- 7. Same as 3. 27
- 8. ... 27
- 9. ...
- 10. ...
- 11. ...
- 12. ...
- 13. ...
- 14. ...
- 15. ...
- 16. ...

Nov 1 - 8 ...
 Aug 17, 1905
 Nov 9-16 - ...
 Aug 19, 1905

Prof. J. (and his class)

- 1. ...
- 2. ...
- 3. ...
- 4. ...
- 5. ...
- 6. ...

7 Old Fort Bliss
 8 Upper dam from above
 9 ~~Smelter & Mex. village~~
 10 ~~(Spoiled)~~
 11 Across the Rio Grande from the Mex.
 side of Fort Bliss bridge
 12 From the Rio Grande from
 Fort P. bridge, see bridge El Paso S.O., etc
 13 ~~View of El Paso~~
 14 ~~Ocotillo cactus - El Paso side~~
 15 ~~View of El Paso~~
 16 ~~View of El Paso~~
 mostly 26

Page 9, Nos. 1-8 - Aug 19 - 9-12 - Aug 2

13-16 - Aug 2
 17-20 - Aug 3
 21-24 - Aug 4
 25-28 - Aug 5
 29-32 - Aug 6
 33-36 - Aug 7
 37-40 - Aug 8
 41-44 - Aug 9
 45-48 - Aug 10
 49-52 - Aug 11
 53-56 - Aug 12

(Blank)

57-60 - Aug 13
 61-64 - Aug 14
 65-68 - Aug 15
 69-72 - Aug 16
 73-76 - Aug 17
 77-80 - Aug 18
 81-84 - Aug 19
 85-88 - Aug 20
 89-92 - Aug 21
 93-96 - Aug 22
 97-100 - Aug 23

11-12 - El Paso
 13-14 - El Paso
 15 - El Paso
 16 - El Paso
 17 - El Paso
 18 - El Paso
 19 - El Paso
 20 - El Paso
 21 - El Paso
 22 - El Paso
 23 - El Paso
 24 - El Paso
 25 - El Paso
 26 - El Paso

Page 10 Aug 22-1905

1 Lower dam - looking up El Paso
 2 " " " " - Mex. side
 3 Sunset School - El Paso
 4 Residence on hill near Mesa School
 5 " in W. El Paso
 6 Tree (ash) - with water pit El Paso
 7 Carnegie Library - El Paso
 8 View up Oregon st. - Looking W. "
 9 The cottonwood - in delirium "
 10 Row of cottages off Sunset School - "
 11 Mt. Franklin from Mesa School "
 12 Mesa school - Queen-Danaher "
 13 Old exp. - Nieto street - Mt Franklin "
 14 Soap (Spoiled) - Juarez
 15 Water wheel - Juarez

26-

Box 11. Aug. 22-1905

- 5 1 Plaza Cathedral - Juarez - ^{from Commercial} str.
- 6 2 Bureos - Juarez.
- 270 3 Up irrig. ditch from water wheel - Juarez
- 276 4 Water wheel - Juarez. near view
- 7 5 Bureos & cat. Juarez.
- 12 6 Water wheel - "
- 13 7 Plaza de Toros - Pan. " (Bull ring)
- 14 8 View up irrig. ditch - Juarez.
- 19 9 Cathedral looking NW Juarez
- 20 10 Looking E. along Commercial str. "
- m 11 View S. on Calle de Hidalgo - Juarez
- m 12 Ocotillo goat pen - " "
- x 13 Mex. bridge, etc. " "
- 22 14 View down Rio Grande from bridge

Box 12. nos. 1-8. Aug 23, 1905. nos. 9-16 Aug 24, 1905. Juarez, Mex.

- x 1 Yuccas
- xx 2 "
- m 3 Yuccas "
- m 4 " goats - maps
- 17 5 Groves E. of Juarez
- 20 6 Street etc. near depot

- 13 7 Yuccas
- 14 8 "
- 27a 9 Blue legum. shrub
- 27b 10 Desert with " " "
- 5 ✓ 11 Looking down river
- 6 ✓ 12 " up " from bed,
- 27 ✓ 13 Yuccas
- 28 ✓ 14 "
- 11 ✓ 15 Mesquite
- 2 ✓ 16 " & sand dune
- 21 17 Yuccas
- 22 18 " the thin plants are Equiset

Box 13. nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. Aug. 25-28. Los Angeles. nos. 11, 12, 13, 14, 15, 16, 17, 18. Juarez, Aug. 25-28

- 1 1 Pepper tree. 24. 200 ft. high. Los Ang.
- 2 2 Eucalyptus - with Pepper tree " "
- 14 3 W. Lake Park Los Ang. Co.
- 20 4 " " " " " " " " " " " "
- m 5 Washington - map - W. Lake Park Los Ang.
- m 6 " " " " " " " " " " " "
- 11 7 Washington by Los Angeles " " " " " "
- 12 8 Washington " " " " " " " " " " " "
- 5 9 Fountain - W. Lake Park, Los Ang.
- 5 10 Concrete Palm " " " " " " " " " " " "
- 5 11 Cereus - Tucson
- 6 12 " " " " " " " " " " " "
- x 13 Brimley's cactus - Tucson
- 22 14 " " " " " " " " " " " "
- 15 15 " " " " " " " " " " " "
- 13 16 " " " " " " " " " " " "

Trip to Chamorro

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Aug. 8th - 1905.

Aug. 7	Beans & veal loaf	1.50
	10 ⁰ Tofu Bread ⁵	.15
	Repair camera ^{use} & grip	.25
Tues. Aug. 8	Hack & baggage	.80
	Dinner, sleeper ^{1.50}	1.30
Wed. Aug. 9	Breakfast & dinner	1.30
	Supper ⁵⁰ Pillow ²⁵	.75
Thu. Aug. 10	Breakfast ²⁰ Juice ²⁵	.45
	Papers ¹⁰ Cap. ¹⁰ Tomatoes & bottles ²⁰	.40
	Brush ¹⁰ , glass ⁵ Ticket for Clonding ^{3.00}	3.15
Fri. Aug. 11	Dray ⁵⁰ , supper ³⁵	.85
Sat. Aug. 12	Bottles ²⁵	.25
	Lunch ¹⁵ paper ⁵	.20
Sun. Aug. 13	RR fare to Paravia ⁴⁰	.40
Mon. Aug. 14	Apples ⁵ lunch ¹⁰	.15
Tues. Aug. 15	Lunch ¹⁰ paper ⁵	.15
Wed. Aug. 16	Dray ⁵⁰ Hotel (day) ^{7.00}	7.50
	Papers ²⁵ , Mending, Canteen ¹⁵	.40
	Express ^{1.75} Tofu ¹⁰	1.85
Thu. Aug. 17	Break ⁵ Crate - dray ^{1.50} - stuffs ^{2.00}	2.00
	Hotel ^{4.50} Cyanide ⁵	4.55

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Fri. Aug. 18	Breakfast ²⁰ paper ⁵	.25
	Dray ¹⁵ Dinner ⁵⁰ can ¹⁵ , ring ²⁵	1.05
	Cards ⁵⁰ , stamps ⁴⁰ , bottles ¹⁵	1.05
Sat. Aug. 19	RR fare to Anapua ³⁵	1.35
	Breakfast ²⁵ Bread ⁵ supper ²⁵	.55
	Sodas & lunch ²⁵ Carfare ¹⁵	.40
Sun. Aug. 20	Papers ²⁵ Mag ¹⁰ vice ¹⁵	.50
	Aug. 20 Breakfast ²⁵ dinner ³⁰	.55
	Paper ⁵ shine ¹⁰	.15
	Carfare ¹⁰ Supper ²⁵	.35
Mon. Aug. 21	Meals ⁸⁵ , repair grip ³⁰	1.15
	Basket ¹⁰ , glue ¹⁰ , Magaz ³⁵	1.50
	Sodas ²⁵ , Whip ⁷⁵ , rings	
Tues. Aug. 22	Meals ⁸⁵ , soda ¹⁵	1.00
	Carfare ²⁰ , soda ²⁰ , cards ¹⁰	.50
	stamps ¹⁰ , seal ^{1.50} , handkerchief ²⁵	1.85
Wed. Aug. 23	Hotel ^{2.50} Breakfast ³⁰	2.80
	Bread ⁵ Ham ⁵⁰ Paper ⁵ Plate ^{1.90}	2.90
	Evening-lunch ³⁰ cards ²⁰ stamps ¹⁵	.65
Thu. Aug. 24	Hotel ^{1.45} lunch ³⁰	1.75
	Amuse - hack ¹⁵ Tofu ⁵⁰ cards ²⁰	2.45
	(Turn & turn fare)	

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Will have specimens
In this use $\frac{1}{2}$ of glue

In mounting they use
neither Canada nor glue

Prof. Macbride

539 3rd Ave. San Francisco

Write about 26th Aug

El Paso

~~Antelope photo copy~~

~~Photo of ...~~

~~glue~~

~~cards~~

~~ring~~

~~change plan~~

~~stick~~

El Paso

...

...

...

Aug 11 ...

...

Aug 11 - Clearing

Count 30 ...

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Aug 12 Beaded ...

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No 1638

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

El Paso 10-19

33106

33107

33105

8.25	Alamogordo	4.50
8.50	Alamogordo	4.45
8.55	La Luz	4.25
9.10	San Valle	4.04
9.40	Pinto	3.71
10.05	Highwell	3.21
10.30	Wright	3.03
10.55	Toboggan	2.45
11.40	Clouder	2.05
12.00	Cox Coma	1.45
12.15	Russin	1.25

[Faint handwritten notes]

[Faint handwritten notes]

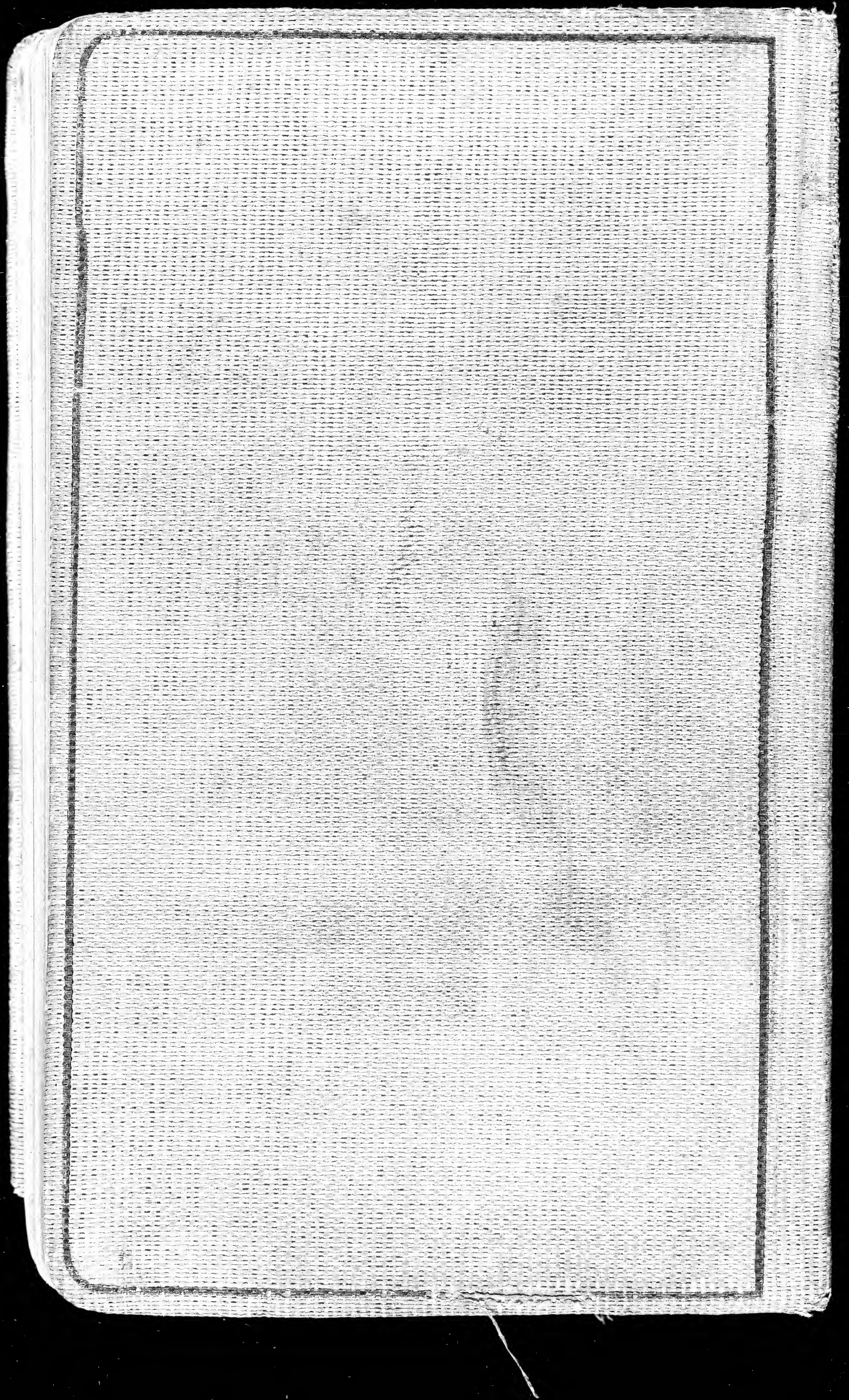
[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]



✓ Shutter
naids.

✓ Cards

✓ Mail -
Phone

Bread.

Carnegie Exp. Stn
Arch.

University

Arnold.

✓ Kodak box for Dutton
Photo - 2 10/18 plates

Memories

Notes

January 1909

10. Day

14. white ground
chalked pen
Dress (white)

20. white ground

25. white ground

17. yellow ground

18. -

(Plants along river bank
low water)

2. 10/18 plates

Jan 26 1909

m. Plate 10/18 plates

m. - - - - -

19. white ground

20. - - - - -

C. - - - - -

D. - - - - -

R. - - - - -

S. - - - - -

Clayton
No. 10

For the purpose of
conducting an experiment

1888