

U. S. DEPARTMENT OF AGRICULTURE.

FORM 15.

FIELD DIARY
AND
TRAVEL RECORD.

Mr. E. A. Goldman

(Official title.)

Period, Sept. 17 to Oct. 12, 1922.

Arizona (Kaibab), Utah.
NOTICE.

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8-3681

INSTRUCTIONS.

Every officer or other employee of the Department of Agriculture conducting work while traveling will, so far as practicable, keep a diary in which will be recorded, under an appropriate date entry, a concise statement of all important matters pertaining to such work and also of any general matters that may be of interest to the Department.

This diary will be retained by the official preparing same, but will be subject to call by the administrative officers of the Department at any time.

When this book is filled another may be secured by application to the Chief of your Bureau.

Henry Wallace

Secretary of Agriculture.

8-3681

DATE	STATIONS		R. R.	COUPON NOS.		MILEAGE	PULL	SCRIP VALUE	
	From	To		From	To			Dolls.	Cts.
	Regan	9 th							
	Kanab	10 th							
	Purvis Wash	11 th							
	Shrewsbury	12 th							
	St. George	13 th							
	Julesburg	14 th							
	Virgin W. Va.	15 th							
	St. Thomas	16 th							
	Grand Wash	18 th							

MEMO. OF COUPONS DETACHED FROM MILEAGE BOOK NO. _____ FORM _____

8-3681

DATE	STATIONS		R. R.	COUPON NOS.		PULL	SCRIP VALUE	
	From	To		From	To		Dolls.	Cts.

Difod. nicipos very with
D. lupus - Lamp Work Oct. 12
 lining of dark patches blackish
 anteriorly, rest of purplish
 supraorbital white spots less
 conspicuous, white areas
 behind ears to more
 restricted. Dorsal gland prominent

MEMO. OF COUPONS DETACHED FROM MILEAGE BOOK NO. FORM ...

DATE	STATIONS		R. R.	COUPON NOS.		PULL	SCRIP VALUE Dolls.
	From	To		From	To		

Sept. 17-20, 1922.
 Left Washington, D.C. 6.50 P.M.
 Sept. 17; arrived Ogden about 2 P.M. Sept. 20. Went at once to office of District Forester where I conferred with Mr. Rutledge, District Forester and Mr. Locke who is looking after game matters in District 4. The general situation affecting deer was discussed and I arranged to meet Mr. Locke at D. & R. G. Depot at 10.30 ^{AM} Sept. 22 on the train leaving for Maryvale. Mr. Locke is to go with me as Forest Service representative in the investigations of the deer situation on the Grand Canyon Game Preserve.

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip -----			
Dinner ----- Tip -----			
Supper ----- Tip -----			
Lodging, ----- to -----			
Laundry -----			
Porter -----	Sleeper -----		
	Parlor car -----		
Depot porter -----	Arrival -----		
	Departure -----		
Hotel porter -----	Arrival -----		
	Departure -----		
Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
From ----- to -----			
Street car fare -----			
From ----- to -----			
Miscellaneous: -----			

Remained overnight in Ogden.

Sept. 21 - Ogden to Salt Lake City. Left Ogden at 8:45 A.M. (train late) and arrived at Salt Lake about 10 A.M. Spent most of day with our predatory animal inspector Geo. E. Holman in a general discussion of the deer situation and plans for carrying on the work.

Deer. Holman says rutting season begins latter part of November so that plans for an open season should take this fact into account. Season should probably be from Oct. 1st to Nov. 30.

Deer range in summer mainly in the timber on the higher

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip -----			
Dinner ----- Tip -----			
Supper ----- Tip -----			
Lodging, ----- to -----			
Laundry -----			
Porter -----	Sleeper -----		
	Parlor car -----		
Depot porter -----	Arrival -----		
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Hotel porter -----	Arrival -----		
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Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
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Miscellaneous:			

parts of the plateau and move down in winter into the sheltered bushes at lower elevations especially along Kanab Creek and House Rock Canyon. Some way across Kanab Creek and main possible route of migration would probably be north along west side of that creek into Utah. Snow said to be deep over plateau in winter.

Lions, Holman claims that few lions are left on the Kaibab plateau and in his opinion few ^{are} are now killed by them. His best lion hunters have not been able to find enough lions to justify their continued hunting there.

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip -----			
Dinner ----- Tip -----			
Supper ----- Tip -----			
Lodging, ----- to -----			
Laundry -----			
Porter -----	Sleeper -----		
	Parlor car -----		
Depot porter -----	Arrival -----		
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Hotel porter -----	Arrival -----		
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Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
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Miscellaneous:			

Sept. 22, Salt Lake City to Marysvale. Left Salt Lake City 10.30 A.M. and reached Marysvale about 7.30 P.M.

Sept. 23, Marysvale to Kanab. Left Marysvale about 4 A.M. and reached Kanab about 5 P.M. Route led up Swier River valley and across a divide in Transition Zone into upper end of Virgin Valley, thence across to Kanab on Kanab track. Distance traveled 125 miles.

Mammals. One seen near head of Virgin Riv. on divide.

Sept. 24, Kanab. Remained at Kanab today. A trip was made up the valley about 7 miles to a wet meadow where signs which were taken to be of *Microtus* were seen. It is a place which should

ITEMS	PLACE	Dolls.	Cts.
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Dinner ----- Tip -----			
Supper ----- Tip -----			
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Laundry -----			
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	Parlor car -----		
Depot porter -----	Arrival -----		
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Hotel porter -----	Arrival -----		
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Checking baggage ----- pcs.			
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Miscellaneous:			

be worked fairly thoroughly as various species not occurring elsewhere may be expected.

Sept. 25, Kanab to V.T. Park. Left Kanab 10.20 a.m. and reached V.T. Park about 6.30 P.M. distance travelled about 65 miles.

Road led across deserts from Kanab Valley to Johnson Valley and then ascended rather steeply to Kaibab Plateau. Area immediately north of Kaibab in this section not very favorable for the movement of deer, but they might be induced to cross to next forest in small numbers. Latter part of trip was along V.T. or De Motte Park.

ITEMS	PLACE	Dolls.	Cts.
Breakfast Tip			
Dinner Tip			
Supper Tip			
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Laundry			
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Miscellaneous: : : :			
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Sept. 25, con.

Sciurus kaibabensis. Two seen in yellow pines - one running along ground. White tail very conspicuous by contrast with rest of body. Said to be confined strictly to yellow pines which are sometimes stunted as are trees by aberte.

Deer. Only a few - about 8 head were seen today, but we reached V.P. Park when they come out in numbers to late.

Sept. 26. V.P. Park to North Canyon and return. Rode out on east side to N. canyon where good views were obtained of Houserock Valley.

Deer. Much evidence of ourping particularly of the area along

ITEMS		PLACE	Dolls.	Cts.
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Porter	Sleeper			
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Depot porter	Arrival			
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Hotel porter	Arrival			
	Departure			
Checking baggage	pcs.			
Baggage transfer	pcs.			
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Street car fare				
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Miscellaneous:				

Sept. 26 con.

North Canyon where bushes are closely browsed and many nearly killed. While cattle also range in the area most of this browsing was apparently by deer. Plants browsed were *Symphoricarpos* or snowberry, wild rose (*Rosa rugosa?*), and *Ceanothus fendleri*. Where aspens had fallen down or were leaning they were completely defoliated. This over grazing had taken place during the summer.

Good views were obtained of the lower level country along Houserock Valley - this is a very level area through the Marble Canyon of

ITEMS	PLACE	Dolls.	Cts.
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Supper Tip			
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Miscellaneous:			
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Sept. 26 con.

the colorado cuts its way, cedars and junipers upland out some distance over the gradually sloping bottom and in these deer are said to range in winter.

Phalarope - One seen in small water hole - very inconspicuous.

Sept. 27 - V.P. Park to Quaking Aspen

Packed up and left V.P. Park about 10.20 A.M. crossed ridge to west of Park and descended a long canyon to Quaking Aspen Spring, which was reached about 1 P.M.

Several deer were seen, and one fawn had recently been killed and torn up probably by coyotes.

Shortly before reaching camp

ITEMS	PLACE	Dolls.	Cts.
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Depot porter.....	Arrival		
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Hotel porter.....	Arrival		
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Baggage transfer --- pcs.			
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Sept. 27 con
 we met Hal G. Lewis and party which had been out lion hunting, and had a very satisfactory general discussion of game conservation matters with him. We were pleased to find that he is in agreement with us in regard to general policies.

Rain in afternoon prevented us from getting out, although it was not heavy. Weather was very threatening or drizzling at intervals.

Sept. 28. Trip south and west to side canyons of Shimms Creek and back to Snaking Aspen camp.
 Route today was over many

ITEMS	PLACE	Dolls.	Cts.
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Sept. 28 con.

points and across small
canyons to rim of plateau on
Grand Canyon National Park where
we had good views into Grand
Canyon in the vicinity of the
mouth of Shinnu Creek.

Deer. No large numbers were
seen but deer were noted in
a number of places. Much
evidence of injury to shrubs
and trees browsed were seen.
These were principally the
white fir which is much
browsed in places where
Douglas fir and yellow pine
are untouched. Robins
moniziana wild rose, and
Ceanothus fiddleii also
browsed. No evidence has
been noted that deer which

ITEMS	PLACE	Dolls.	Cts.
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Hotel porter { Arrival			
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Checking baggage pcs.			
Baggage transfer pcs.			
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Street car fare—			
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Miscellaneous:			

range ^{the top} ~~are~~ top of mountains
 in summer regularly visit
 the ^{spring or} ~~few~~ water holes to drink.
 Deer seen are in good condition.
 Cattle, a few seen. It is
 apparent that there can not
 be complete utilization of
 range by cattle owing to
 scarcity of water.

Sciurus kaibabensis. Two seen
 today in yellow pines. Hobbs
 apparently like those of ~~Arizona~~
Saururus douglasii are seen.

About half a bushel of cones of
 white fir were seen piled
 against the base of a white
 fir about 15 inches in diameter
 doubtless by this squirrel.

Eutamias. Several seen. They
 appear to have rather long tails
 which are sometimes carried
 nearly straight up when running
 along logs or over the ground.

ITEMS	PLACE	Dolls.	Cts.
Breakfast Tip			
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Supper Tip			
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Sept. 28 con.

Buteo 1. calurus. One seen flying back, ~~over~~ ~~at~~ ~~the~~ ~~top~~ ~~of~~ ~~the~~ ~~mountain~~. One seen yesterday feeding up a carcass of a fawn that had been killed, presumably by coyotes in the bottom of a canyon among pinyons and spruces.

Junco (rebarbed). Several small flocks were seen ^{in mixed timber} on plateau.

Sialia mexicana. Several were seen among ^{mixed} yellow pines and spruces on plateau.

Sialia arctica. Numbers were noted yesterday in De Motte Park.

Colaptes c. collaris. Common on plateau.

Sitta c. nelsoni. One noted on yellow pine on plateau.

Sitta pygmaea. Several flocks

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Breakfast	Tip			
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Depot porter	Arrival			
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Hotel porter	Arrival			
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Checking baggage	pcs.			
Baggage transfer	pcs.			
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Street car fare				
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Miscellaneous:				

Sept. 25, con.

seen among yellow pines. calling
Glaucochim quoma. One heard
 near camp about 4 A.M.

Cyanocitta stelleri. Several seen
 among spruces near camp.

Sheep (domestic). Slightly less
 than 3000 head are grazing
 on forest this year. Supervisor
 says these sheep may not be
 watered often than about
 4 times during the summer
 season.

Wild horses. Rook estimates
 that there are 1000 head of
 wild horses on the forest. These have
 come to roam largely in family
 groups. - a stallion, a mare and
 a colt.

beaver. Number on forest this
 season about 6500.

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Supper Tip			
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Depot porter { Arrival			
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Hotel porter { Arrival			
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Baggage transfer pcs.			
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Sept. 29 - Making Aspin to Powell Plateau and return. Couple alogos, one heard close to camp where a little water was running for a short distance down the canyon.

Rode across to Powell Plateau Sept. 30 - Making via Aspin to Big Saddle, Powell saddle which dips down to about 6500 ft. and in which considerable Upper Sonoran vegetation appears. It is Transition however on the whole.

Powell Plateau consists of a high rim along the southern side from which small canyons head and cut down rafter gradually toward the north. The plateau is evidently heavily overgrazed by horses which have

ITEMS	PLACE	Dolls.	Cts.
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Miscellaneous:			
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Sept 29 con.

razed there for many years. Most of the grass on the top appeared to have been killed out.

Deer (Powell Plateau) a few were seen and numerous fresh tracks noted, but shrubs and trees were not apparently overgrazed as on the main Karakoram. *Ceanothus fendleri* had been browsed in places presumably by deer. Just below the rim of the plateau there is a heavy growth of Upper Sonoran brush which doubtless affords much forage for deer.

Sciurus karakorumensis. 2 seen on Powell Plateau.

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip -----			
Dinner ----- Tip -----			
Supper ----- Tip -----			
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Porter -----	Sleeper -----		
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Depot porter -----	Arrival -----		
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Hotel porter -----	Arrival -----		
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Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
From ----- to -----			
Street car fare -----			
From ----- to -----			
Miscellaneous:			

Sept. 20 - Quaking Aspen
to Big Saddle.

Deer. This morning a doe and fawn came within 75 yds. of where we were sitting in camp and began to feed upon the leaves of aspens that had been cut. The fawn and doe were both observed feeding upon the leaves.

Left Quaking Aspen and reached Big Saddle about 2.15 P.M. From this point we can look south and see Powell Saddle.

Deer. About thirty were seen today in little groups. 5 were seen just above cross-bedded sandstone in canyon near Big Spring Saddle.

Wild horses. It seems even that wild horses do considerable damage in late winter especially

ITEMS		PLACE	Dolls.	Cts.
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Depot porter	Arrival			
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Checking baggage	pcs.			
Baggage transfer	pcs.			
From	to			
Street car fare				
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Miscellaneous:				

Sept. 30 con.

to young yellow pines many of which are lopped and stunted by them. Ben Swapp, Forest Ranger who has been here a long time says that in Feb. & Mar. of this last spring he was here and shot two horses to see just what they were feeding upon and found their stomachs filled with pine leaves. They feed largely on south slopes which become bare of snow and soon coming up the little grass there is on the point attack the yellow pines.

ITEMS	PLACE	Dolls.	Cts.
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Hotel porter..... } Arrival			
Hotel porter..... } Departure			
Checking baggage - pcs.			
Baggage transfer pcs.			
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Street car fare—			
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Miscellaneous:			

Oct. 1 Big Saddle to Little Saddle and adjacent points and back to same camp.

Left Big Saddle camp and rode out of yellow pine timber descending gradually most of way to Little Saddle a point on the rim in Upper Sonoran zone where a trail goes down to plateau and a fine view was obtained across Grand Canyon. The inner plateau at this point is ~~at a~~ located at a much higher elevation than at El Tovar in fact it is not far below the cross-bedded sand. The inner gorge is therefore much deeper. This plateau is thinly covered over the higher parts by pinyon and juniper. ^{Darker} Just below the saddle a trail runs

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Supper ----- Tip -----			
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Depot porter -----	Arrival -----		
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Hotel porter -----	Arrival -----		
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Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
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Street car fare -----			
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Miscellaneous:			

Oct. 1 con.

along the upper edge of the cross-bedded sand in which a few deer tracks were seen, and it was evident that most of the deer were above this level. A considerable number are now ranging down below the yellow pines into the upper Sonoran bush, especially where bougias of oak *Q. monilicarpa* extend down and are now just beginning to drop a heavy crop of acorns. About 30 deer were seen today in four or five places, the largest bunch numbering about 12. Shed horns were noted several times today among the lower pines and ~~also~~ also in junipers and piñons. Most of the deer seen were does and fawns. No large bucks. The area visited today

ITEMS	PLACE	Dolls.	Cts.
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Dinner..... Tip.....			
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Baggage transfer pcs.			
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Miscellaneous:			
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Oct. 1 con.

had few heavily browsed "Jack
brush" (*Ceanothus stansburiana*). This
however had put out new shoots
many of which had grown to over a foot
in length.

Bubo. One heard last night.

Glaucoedon grows. Shortly before
daylight this morning one of these
near camp gave a series of
short, rapid, rattling notes, followed
by the usual ~~slow~~ spaced notes.

Aphelocoma wood. Common
among oaks just below lower
edge of pines.

Cyanocitta stelleri. A few
seen among yellow pines and
even among oaks below yellow
where they are probably feeding
upon acorns.

Accipiter cooperi. One found dead
at Quaking Aspen.

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip -----			
Dinner ----- Tip -----			
Supper ----- Tip -----			
Lodging, ----- to -----			
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Porter -----	Sleeper -----		
	Parlor car -----		
Depot porter -----	Arrival -----		
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Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
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Street car fare -----			
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Miscellaneous:			

Oct. 2 - Big Saddle to
 V.P. Park. - distance about 20 miles.

Left Big Saddle 9 a.m. stopped
 for luncheon near Dry Park with
 F.S. party building telephone lines. Then
 returned on to Park where we arrived
 about 4:30 P.M. In evening observations
 were made of deer in Park.

Deer. About 80 were seen ~~in~~
~~one~~ a few in a place at short
 intervals along route today. Some
 were seen out feeding ^{in grass} in Parks
 as early as 3 P.M. About 200 were
 out in V.P. Park during evening.
 The bucks appear to come out
 rather late. Attempts were made
 to secure pictures but light too
 poor.

Sciurus kaibabensis. One seen on
 ground today.

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip			
Dinner ----- Tip			
Supper ----- Tip			
Lodging, ----- to			
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Porter -----	Sleeper -----		
	Parlor car -----		
Depot porter -----	Arrival -----		
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Hotel porter -----	Arrival -----		
	Departure -----		
Checking baggage ----- pcs.			
Baggage transfer --- pcs.			
From ----- to			
Street car fare—			
From ----- to			
Miscellaneous:			

Oct. 3 - V.T. Park to
 South Canyon ^{Ranger Sta} ~~Return~~ - about 48 mi.
 Folks spar. - Two seen hovering in
 open park near camp.

Sialia arctica. Numbers seen, largely
 or hovering on ground in open park.

Flight feathers have turned
 most of the aspens bright yellow
 and the leaves are beginning to
 fall rapidly.

Corvus c. sin. Four seen flying
 over meadow.

Forenoon was devoted to
 building a blind for photographing
 deer in V.T. Park. Left at 2.20
 P.M. and travelled south along
 main road for a few miles and
 then turned eastward and after
 crossing a number of low ridges
 and little parks entered the head
 of South Canyon down which the

ITEMS	PLACE	Dolls.	Cts.
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Depot porter -----	Arrival -----		
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Checking baggage ----- pcs.			
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From ----- to -----			
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Miscellaneous:			

Oct. 5, 1901

trail extends. Water runs for a considerable distance down the canyon and the steep right hand side is covered with an extensive northeast-facing Canadian zone forest through which as elsewhere there is an admixture of quaking aspen. The narrow bottom is littered with rotting logs and some vegetation and conditions are very favorable for the occurrence of shrews and other moisture loving mice. The best seems an important one for some work. We camped at the F.S. cabin in the pinyons and junipers well down on the flat.

Det. seen at station today.

Butte P. cal. due seen on top of mountain in edge of park.

ITEMS		PLACE	Dolls.	Cts.
Breakfast	Tip			
Dinner	Tip			
Supper	Tip			
Lodging,	to			
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Porter	Sleeper			
	Parlor car			
Depot porter	Arrival			
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Hotel porter	Arrival			
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Checking baggage	pcs.			
Baggage transfer	pcs.			
From	to			
Street car fare				
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Miscellaneous:				

Oct. 4. Housserock Valley
 South Canyon R.S. to Leans,
 Left South Canyon about 8:30 A.M.
 and rode southerly to Saddle
 Canyon, then turned northeasterly
 to rim of Marble Canyon and
 then direct to Leans. Today distance
 probably at least 30 miles.

Route was through pinyons,
 junipers and some buck brush ^{crowns}
 to rim of Saddle Canyon, and through
 this growth gradually disappearing
 as we neared Marble Canyon. Most
 of the Housserock Valley is however
 open sage brush country.

Deer. A few fresh tracks were
 seen as far out as the rim
 of South Canyon in the lower
 part of its course. Deer evidently
 range in winter throughout the

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip -----			
Dinner ----- Tip -----			
Supper ----- Tip -----			
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Porter -----	Sleeper -----		
	Parlor car -----		
Depot porter -----	Arrival -----		
	Departure -----		
Hotel porter -----	Arrival -----		
	Departure -----		
Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
From ----- to -----			
Street car fare -----			
From ----- to -----			
Miscellaneous:			

Sept. 4, em

area upon which lowania grows and runs out into much of the sage brush country. This is shown by old droppings and shed horns. At this season, however, deer are evidently not abundant in the lower country.

Aegialitis v. virg. Several seen near reservoir at Leane.

Phalarope. Several seen on reservoir at Leane.

Leane is a stone ranch house, the headquarters of the ~~the~~ Grand Canyon battle les.

South Canyon. This section is a poor forage producing area, having been overgrazed for some time by horses which have now been removed.

Saddle Canyon. South of this

ITEMS	PLACE	Dolls.	Cts.
Breakfast Tip			
Dinner Tip			
Supper Tip			
Lodging, to			
Laundry			
Porter { Sleeper			
{ Parlor car			
Depot porter { Arrival			
{ Departure			
Hotel porter { Arrival			
{ Departure			
Checking baggage - pcs.			
Baggage transfer pcs.			
From to			
Street car fare—			
From to			
Miscellaneous:			
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Oct. 4 con.
 a rather
 there is ~~an~~ area rather rough
 in character, covered with
 much brush extending from the
 top of the mountain down to the
 canyon. This area is rather
 inaccessible and, including as it
 does much oak brush country,
 should be a favorable one for
 deer.

~~Forest~~. One jackrabbit seen and
 photo. in Housersock Valley not far
 from leave.

Oct. 5. Leave Housersock
 Valley to V.P. Park (DeMotte). 18 mi
 Left ^{8:15 AM} leave and reached the Park
 about 1:30 P.M. Trail ascended
 rapidly a limestone slope to
 the top of what is known as the
 Little Mountain. While the
 climb is fairly steep it is not

ITEMS	PLACE	Dolls.	Cts.
Breakfast Tip			
Dinner Tip			
Supper Tip			
Lodging, to			
Laundry			
Porter { Sleeper			
{ Parlor car			
Depot porter { Arrival			
{ Departure			
Hotel porter { Arrival			
{ Departure			
Checking baggage - pcs.			
Baggage transfer - pcs.			
From to			
Street car fare—			
From to			
Miscellaneous:			
.....			
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.....			

Oct. 5 con.

precipitous the slope ascended
^{evidently} being ~~apparently~~ a part of the
 area in this section where the
 stratified rocks had down and
 merge into Haverack Valley
 instead of forming horizontal
 layers becoming precipitous
 where eroded.

Plumstones in prop. One seen
 at South Canyon ^{characteristic} ~~spotted~~
 morning uttered a few short
 notes which revealed its presence
 in a juniper tree along the wash.

Deer. About 8 head were seen in
 riding through the forest ~~from~~
 between the Little Mountain and
 the road. A number of shed
 horns were seen showing that
 the general area including the
 so-called Little Mountain is

ITEMS	PLACE	Dolls.	Cts.
Breakfast Tip			
Dinner Tip			
Supper Tip			
Lodging, to			
Laundry			
Porter Sleeper			
	Parlor car		
Depot porter Arrival			
	Departure		
Hotel porter Arrival			
	Departure		
Checking baggage pcs.			
Baggage transfer pcs.			
From to			
Street car fare—			
From to			
Miscellaneous:			

Oct. 5 am.

largely winter range. Route led through Pleasant Valley an open grassy park on the main road north of De Motte Park. This showed little signs of utilization by deer for no apparent reason, except perhaps that it is rather dryer than De Motte Park.

Oct. 6 - N.P. Park to Big Springs - 22 miles.

Left N.P. Park about 9.30 a.m. and stopped for lunch at Linn's camp about noon.

Deer, one seen today was still in the red pelage and in marked contrast to the dark colored fawn that accompanied her. Attempts were made to secure photos of deer in the Park last

ITEMS		PLACE	Dolls.	Cts.
Breakfast	Tip			
Dinner	Tip			
Supper	Tip			
Lodging,	to			
Laundry				
Porter	Sleeper			
	Parlor car			
Depot porter	Arrival			
	Departure			
Hotel porter	Arrival			
	Departure			
Checking baggage	pcs.			
Baggage transfer	pcs.			
From	to			
Street car fare				
From	to			
Miscellaneous:				

Oct. 6 con.

night. This morning about a dozen large ^{including some} bucks were feeding at sunrise within 100 yds. of our camp, but moved into the timber when attempts to secure photos at shorter range were made. Some of the fawns were observed attempting to suck, but ~~the~~ they avoided them by walking and sometimes brushed them aside by a slight movement of a hind leg. Slight bleating noises given by fawns were heard last night. The fondness of deer for green aspen leaves is shown by the stripping of a tree I cut along the edge of V.I. Park and by reports of the elephant linum that deer follow up up closely to feed upon the aspens fed by them, although

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip -----			
Dinner ----- Tip -----			
Supper ----- Tip -----			
Lodging, ----- to -----			
Laundry -----			
Porter -----	Sleeper -----		
	Parlor car -----		
Depot porter -----	Arrival -----		
	Departure -----		
Hotel porter -----	Arrival -----		
	Departure -----		
Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
From ----- to -----			
Street car fare -----			
From ----- to -----			
Miscellaneous: -----			

Oct. 6 con.

the leaves are most of them
now yellow and dropping rapidly.

~~Oct. 7. - V.T. Park to Big
Springs - 23 mi.~~

Left the Park about 7:30 AM
and stopped for lunch with
party working on phone line -
arrived at Big Springs shortly
before sunset in evening.

Deer - About 43 were seen
along road today in little
scattered groups mostly does
and fawns sometimes a doe
and a fawn or two alone.
And several times one or
two bucks by themselves were
seen. As a rule they were
not very shy and simply
moved off a short distance.

ITEMS	PLACE	Dolls.	Cts.
Breakfast ----- Tip -----			
Dinner ----- Tip -----			
Supper ----- Tip -----			
Lodging, ----- to -----			
Laundry -----			
Porter -----	Sleeper -----		
	Parlor car -----		
Depot porter -----	Arrival -----		
	Departure -----		
Hotel porter -----	Arrival -----		
	Departure -----		
Checking baggage ----- pcs.			
Baggage transfer ----- pcs.			
From ----- to -----			
Street car fare -----			
From ----- to -----			
Miscellaneous:			

Oct. 6. con.

Myadestes townsendi. Several were seen today flying making short flights among the lower limbs of trees in the Tremator zone.

Oct. 7. Big Springs to point west in the upper Sonoran winter range of deer and return to Big Springs. Trip today was through winter ranges.

Deer, abundant now in vicinity of Big Springs were this come close about the ranger station and jumping through a close wire fence have fed off the tops of potatoes and other vegetation protected from domestic stock. Today as we passed along

ITEMS		PLACE	Dolls.	Cts.
Breakfast	Tip			
Dinner	Tip			
Supper	Tip			
Lodging,	to			
Laundry				
Porter	Sleeper			
	Parlor car			
Depot porter	Arrival			
	Departure			
Hotel porter	Arrival			
	Departure			
Checking baggage	pcs.			
Baggage transfer	pcs.			
From	to			
Street car fare—				
From	to			
Miscellaneous:				

the road we came to a place where a spike buck was feeding in the field. He paid no attention to us until we were within 50 yds. when he looked up and then dropped his head and began feeding again.

Def. 8: Big Springs.

Remained at Big Spgs. preparing report and in afternoon traps were set about springs for shrews and Microtus.

Was joined by Scott R. Dunham in afternoon. He is a predatory animal hunter who is to go with me on trip through northwestern part of state.

Oct. 9. Big Springs to
Ryan. - 10 miles

Dunham, Locke and I left
Big Spgs. about 3 P.M. and
reached Ryan about 4 P.M. Traps
were set at this point, which
is in the juniper and juniper
belt.

avg.
Oct. 10. Ryan to Kanab,
Utah.

Left Ryan about 11.30 A.M. and
reached Kanab about 2 P.M.

Oct. 11. Kanab to Kanab
Wash, southern boundary Kaibab
Ind. Res. Left Kanab about 2
P.M., having completed report
in ~~coop~~ collaboration with
Locke and Rook. Reached Wash

Oct. 12 con.

Some very rough road was covered today. Camp was made near some limestone ledges about 2 miles from the edge of the ledge.

Flammoph. leucurus. Several were seen today about limestone ledges on the plateau ^{about 5} ~~a few~~ miles east of Hurricane Lodge, 6 miles north of Mt. Trumbull.

Oct. 11 con.

at point mentioned about 4 P.M. and set traps in ^{loose} sandy of reddish color.

Oct. 12 - Navah Wash to Hurricane Lodge, about 6 mi. north of Mt. Trumbull. Left Wash about 11 A.M. and stopped for night at some sandstone ledges near the ledge in area where old lava beds are the rule. Soil at this point, however, reddish sandy.

Route today over Navah Plateau, the soil largely reddish sandy, but lava bed in places. Edges of lava beds form low, broken ledges favorable for occupation by rats.
(above)

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~~Roll 8 Arizona 1922~~

~~1-4 Deer at V.F. Park, Oct. 6~~

~~5- Burrows of *Dipodomys m. lewisi*?~~

~~Two mile run - near Kanab~~

~~Wash, 32 - 1 mi - 8 a.m. Oct. 12~~

~~A slightly elevated mound at
base of *Sutroia* beds, with
13 entrances - No large accumulations
of dirt before holes.~~

~~6- Hurricane Lodge from Her. Desert
32-2. - 12 m. Oct. 14~~

Copied

Hal. G. Everts
Hutchinson, Kas.
