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Field notes, New Mexico, Arizona, and California, May 27-July 21, 1907

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1907 no. 1

New Mexico
Arizona
California

Vernon Bailey

1834 KALORAMA AVE.

Washington D.C.

1907

4 PM
or 4:15

ny.

the
in red

nt
or
-

ur

ny.

MB-

at local

May 27

Left Washington, B + O at 4 P.M.
for St. Louis, El Paso or Calif.
Corn just coming up.

Dark after Harpers Ferry.

May 28

Breakfast at Cincinnati.
A cold night, frost on ridges.
Crops backward -
Corn not up

Vincennes - Ind.

Winters eye headed out
wheat small & poor -
Corn up in one field.

St. Louis 5:27 P.M.

May 29 Kansas City 7:50 A.M.

Left K. C. at 9:05 A.M.

Zafeta

Crops ahead of Ill. + Mo.

Corn up in row

Age & some backward wheat & corn
some alfalfa

McC Pherson

Most open plains
Sage orange hedges
Some good orchards
Lepus melanotis 4
Citellus 13lineatus 1

Hannan

Lepus melanotis 3
R.R. crossing
Yucca glauca in flower
Mulberry grove
Lepus melanotis 1

Hutchinson

Big prairie town
Big dry canal
Partridge
Lepus melanotis 4
somewhat little town

Lepus melanotis 9

Laragon

Lepus melanotis 3

Preston

Running owl 2
1 *Lepus melanotis* 3
Coatt
L. melanotis, 7 in one hollow

Park near Oklahoma line

May 30-

Daylight at Tucuman
Raining, grass well up
Santa Rosa 8AM. 4700
Yucca glauca not in blossom
Mesquite leaves not out
Guthriea - getting green
Visbera in full flower
Leonita

Torrance

Pinus ponderosa - on hills
" *edulis* " "
Juniperus monosperma
Quercus gambeli - shrubby, abn.
Yucca baccata com
" *glauca* " "
Rhus trilobata " "
Spartanarborescens -
Atriplex canescens a
Guthriea euthamiae "

Corrigoz

5 miles south of Corrigoz
Coriaria trichotoma begins, com
Mosquito, in leaf, " "

Tahosa

Alamosa
Yucca baccata beginning to flower
Coriaria - 2 feet flowers

El Paso 5300 Cold

Fonquiesca, buds, no leaves

Deming, 7.50 P.M.

May 31 Deming

Mirguito in full leaf & blossom

Yucca callosa, in bud only.

Coudaka

Lizyphus

Ephedra

Artemisia filifolia abu

Chilopsis -

Cercocarpus rigida

"

Rumex alata, ^{vine} big roots,

Mulleberry ^{com}

Populus

Opuntia arborescens? afar

Lysaaria salicifolia? com

" glutinosa? "

Deming to Silver

Cynomys ludovicianus, abu. &
young just out of burrows

Citellus spilosoma 3,

Lepus texianus

" arizonensis - com

Dipodomys spectabilis, abu.

Thomomys hills, com.

Neotoma house "

Canis meatus 1

Lepus 1

Deming May 30 or 31

Agelaius vociferus heard
Buteo swainsoni com
Zenaidura " "
Chordeiles 2
Tyrannus vociferans com.
Myiarchus cinerascens 1
Sayornis saya 2
Coscorus erythrorhynchos 3
Otocoris 1
Icterus bullocki in town com.
Carpodacus frontalis " "
Zonotrichia " "
Passer domesticus " "
Hirundo, nests " "
Mimus polyglottos " "
Colaptes auratus 4
Geococcyx 2
Aquila chrysaetos 2

June 1

Icterus perisoreus 2 a pair
Speotyto + family of yg.
Cactus wren + nest
Tyrannus verticalis com.
Geococcyx 2

Silver City May 31.

Blue Grosbeak 1 in town
Chordeiles com.

June 1, Deming 2:30 PM

Same vegetation all along
 to Gage - & beyond -
 Red Mts. - all bare,
 North slope may be upper Sonoran
 Victorio Mts. bare rocks, low,
 bushes only on N. slopes
 Valley lower Sonoran
 Septal
 Lower Sonoran
 Lordsburg

Lordsburg June 2 -

Tyrannus verticalis com. note
Myiarchus cinerascens com.
Contopus richardsoni 2
Lanius com
Otocoris " "
Heliobates + nests " "
Harporhynchus curvirostris 2
Sayornis saya
Amphispiza bilineata abu
Icterus perisoreus 2
Zenaidura + nest com
Mimus leucurus " "
Colaptes auratus 2 heard
Passer domesticus com in town
Chordeiles 4

Lordsburg. June 2
 Cornelia ✓
 Prosopis glandulosa com
 Kochelina "
 Ephedra "
 Lissaria glutinosa? "
 Cordulia "
 Bams microphylla "
 Prosopis pubescens in vaches
 Zizium aegyptiacum u.s.
 " pallida a few
 Opuntia gelbotia on
 " leptocentris "
 " engelmannii a few
 " purple seeds, for seeds
 " brownish in
 Schinocactus wislizeni on side
 Macmillania 1 big flat
 Agave big, a few
 Basilaria on hills, on
 Yucca radiosa abn
 " baccata a few
 " ~~roemeriana~~ com
 Atriplex canescens "
 Zonguaria on hills "
 Parkinsonia aculeata, in yards
 Chilopsis along streams

Lordsburg left 3 PM.
 June 2 — 4475
 All level to Summit +
 all lower Sonoran
 Summit 4475
 Down grade to Gila
 Duran 3850
 Barley ripe or nearly
 Alfalfa some cut & stacked
 Apples pears abn big
 Corn 16 in high
 Potatoes 1 foot high
 Cabbage, turnips, onions
 being gathered

Zizania borealis abn along river
 Atriplex big bushy "
 Prosopis glandulosa in full flower
 Lissaria linearifolia? abn, usual
 Chilopsis in full flower
 Salix nigra a few
 Artemisia filifolia com.
 Rosera roemeriana? abn in places
 Cistus in gulches
 Bigelovia canescens big, on flats

Guthrie 3650
 Lipton 3700

Pila River

E. enaidura 316 obs.
Lophortyx gambeli 295 4, 3
Mimus leucophaea 703 com
Oryzopsis latifolia 273 1
Chondestes caudatus 263 4

Pyrocephalus? 1 near Juthus
Juthus 3450,
Cardinalis 1

Clifton 3700

Amphispiza bilineata 5 com
Salpinctes 1

Clifton

Garrula com. NW slopes
Acacia constricta com. in place
Dasylirion com. NW slopes
Fouquieria in fruit
Opuntia engelmannii " "
 " *sabotti* " " a few flowers
 " *leptocaulis* " " flowers
 Whole set of Lower Sonoran plants.
Alseodaphne trees in blossom
Parkinsonia in flower in yards
Prosopis glandulosa
Acacia constricta
Mimosa biocanaliculata? catclaws, in flower
Zygophyllum
Larrea
Ephedra trifurcata
Yucca californica com
 " *baccata* a few
Opuntia sabotti
 " *leptocaulis*
 " *engelmannii*
 " *big, no spines*
 " *brown spines*
Cercos angustifolia, *patula* on rocks

Clifton June 3

Guthrie

Coronado - on ranch
early stage to Salinasville

Juniperus monosperma, a few
on N.E. slope at Coronado

Lycium pallidum, in spots

Salinas

Lordsburg

4300

Lower Sonoran all the way

Brockman

4350

Good archon house, pump, & tanks.

Forest of *Yucca radiata*

Ephedra trifurcata abn

Good grass

Hachita

4550

Yucca radiata abn.

" *boeata* abn

Cavillea

com

Luscaria glutinosa abn

Ephedra trifurcata "

Prosopis glandulosa a few

Villa de los Placeres

4575

Guinas

4500

Agave

fig a few

Thompson

in pots

Rodriguez

4220

June 3

Clifton

Guthrie

Cardinalis

2

Mimus luechters

com

Zenaidura

abn.

Catherpes mex

2

Buteo calurus

2

Lordsburg

Cardinalis

1

Lanius

1

W. Wash

Caprimulgus squarata

2

Lordsburg

Brockman

Corvus cryptoleucus

abn.

Geococcyx

1

Callipepla

2

Hachita

Hachita

Chiricahua

Upper Sonoran

Cynurus latifolius com

Diplopappus pulchellus obs

Schoeneliriacis com

Stemella 2

Brewsteria

Lower Sonoran again

Agave big

Douglas

Prosopis glandulosa obs

Baccharis glutinosa "

Covillea " "

Acacia constricta "

Chilopsis "

Loucheeria on ridges

Agave big in hills

Sesuvium " "

Yucca baccata ? " "

over ridge

Yucca along cr.

Sisyrinchium

Udine

Stemella 2

San Pedro R.

Prosopis glandulosa obs

~~*pubescens*~~ "

Mimosa biuncifera com

Acacia constricta "

Populus fremontii along river

Tamarix boveii " "

" *linearis* ? " "

Yucca sordida com

Opuntia schottii ?

"

Atriplex torreyi ? big

Fairbanks

Benson

Prosopis tracks double

Yucca " "

Yucca arizonae a few

Thamnos hills obs

Diplopappus merriami

Benson -

<i>Zenaidura</i>	abn.
<i>Scardafala inca</i>	in town
White winged dove	1 heard
<i>Callipepla squamata</i>	com
<i>Lophortyx gambeli</i>	"
<i>Muscivora quail</i> , said to be in Yellowstone Park.	"
<i>Oryzopsis vocifera</i>	1 heard
<i>Chondestes bairdi</i>	com
<i>Tyrannus vociferans</i>	"
" <i>verticalis</i>	1
<i>Myiarchus cinerascens</i>	1
<i>Scops asio</i>	young flying
<i>Phainopepla</i>	abn
<i>Otocoris</i>	
"	
"	
<i>Cardinalis</i>	com
<i>Pipilo aberti</i> ("Camp Bird")	"
<i>Carpodacus frontalis</i>	"
<i>Amphispiza bilineata</i>	"
<i>Vireo stephensi</i> ?	abn.
<i>Auriparus flaviceps</i>	1
<i>Catherpes v. longicauda</i>	com
<i>Mniotilta lundbergi</i>	abn.
<i>Heliodites</i>	
<i>Piranga ludoviciana</i>	18 drinking
<i>Gaucha c. azurea</i>	18
<i>Molothrus</i>	2
<i>Cathartes aura</i>	2
<i>Buteo borealis calurus</i>	1
"	#

Salpinctes, in Yellowstone Mts.
one came to mine shaft & carried away
15 millers in an hour & worked 10 hours
a day - feeding young. Carried
stones & put in front of nest -
Old miner.

Trypanotus

Corvus cryptoleucus 2
Stelgidopteryx " no hint heard 2
Taxastoma bairdi ? just starting 1
one came down to drink

Taxastoma curvirostris 2
died in sand board up - like ho's
gets food rapidly - digs deep hole
with 3 quick strokes.

Ransom

Prosopis glandulosa abn

Mimosa roemeriana com

Acacia constricta on mesa "

Baccharis foetalis along R. abn
laevifolia com.

~~*Sisymbrium*~~

Populus fremontii along R. a few

Salix nigra " "

Atriplex ^{*canadensis?*} *torreyana* " abn.

Sarcobata affinis com.

Roeberlinia on mesa com

Lycium andersonii " "

Ephedra " "

Covillea on mesa

Opuntia acanthi? a few

Opuntia engelmannii on mesa

" *brownii* a few

Left Ransom 4:30 PM

Agave big.

Opuntia spinosa very spiny, fruit.
first seen near Pantano

Pantano very open

Opuntia spinosa very spiny com.

Agave com.

Yucca palmieri, not bracteata, com.

Yucca radiosa in flower

Boquiere spinosa very abn.

Iron

Cereus giganteus fest.

Echinocactus wislizeni com.

Poliochloa com. first

Pachinochloa microscopa

Zuñon

"

Tucson June 5.
Arceuthobium abn.
Schinus molle com.
Opuntia spinosa abn.
 " *versicolor* "
 " *schottii*? "
 " *englemanni*? "
 " *blom spined* afw.
 " *leptocaulis* "
 " *largestha-leptocaulis*
Agave
Yucca palmieri com.
 " *radiosa* com.
Fouquieria abn.
Prosopis glandulosa "

Minasa socneriana abn.
Acacia constricta "
Parkinsonia microcarpa "

Koeberlinia spinosa com.
Ephedra "
Proctaria baralis "
 " *livreapalis*? "

Lycium arborescens
Elymus
Populus fremontii
Chilopsis
Salix nigra
Mourea? on hills.
Krameria

Antonia - Tucson
 Fig trees
 Palms, Washingtonia
 Occasional, pinkoubet, trees in flower
 Pepper berry old, common
 Mulberry ripe -
 Tamarisk com.
 Chinaberry + Umbrella tree com.
 Cottonwood abn.
 Willow - nigra "
Nestiera glauca com.
Arundo donax by water

Atriplex canescens com.

Dipodomys spectabilis com.
 " *merriami* "
Citellus beecheyi abn.
 " *gramurus* "
Onychomys leucogaster afw.
Thomomys abn.
Lepus arizonae com.
 " *texensis* "

Crotalus 1

Tucson

- Z. mairiana* a few
Buteo calurus 1
Cathartes aura
Falco sparverius on giant cactus
Spizella socialis
Sayornis saya a nest
Pipilo maculatus 1 ♀
Chondestes texensis 1
Colaptes chrysoides 1
Lanius a few
Molothrus ater 3
Zenaidura macroura
Heliodorus nests, com.
Mimus lucifera "
Catherpes on desert job -
Carpodacus frontalis com
Amphispiza bilineata 1
Passer domesticus, H. B. on desert job.
Pipilo c. hesperus 2

Casa Grande Station June 7.

- Prasopis glandulosa*, abn.
 in fruit & flower.
Croton in fruit, abn.
Atropis small leaf "
Sycium long spiny "
Echinocactus arborescens 2
Cereus giganteus 1

In grass

- Washingtonia* com
Date palms - bearing -
Figs a few
Oleander trees 3 colors
Melia umbrella trees com
Nicotiana glauca abn
Opuntia fig tree com.
Pepper tree, full of berries abn
Ficus long stout com.
Populus fremontii, wegreen, a few
Grapes
Portuguese laurel, full of fruit.
Olive trees
Parkinsonia aculeata? com.
Prosopis pubescens 2 in grass
Roses abn.

1. Casa Grande June 7,
Calispylla gambeli, obs. half grown

Zonaidura 1 nest, obs.

Melospiza lincolni 1 com.

Cathartes aura 3

Buteo 1

Chordeiles texensis 1

Zyranthus vociferans

Mysarobius cinereus 2

Sayornis saya 1

Troglodytes aedon 1 com.

Mimus polyglottus 1

Pipilo fuscus 1

Hirundo lunifrons 1

Sturnus 1

Agelaius phoeniceus 3

Zonotrichia querula 1 com.

Troglodytes aedon 1

Mimus polyglottus 1

June 8 back to Mts.

Cereus giganteus obs.

Opuntia spinosa "

" *versicolor* a few.

0.

Echinocactus wislizeni 1

Echinocereus engelmannii 1

Lycium 3,

Parkinsonia microcarpa obs.

Fouquieria "

Cordia "

Prosopis glandulosa "

Mimosa biuncifera "

June 9 - Casapanchi, 9 AM.

Indian Hange

Holcanthus

abn.

Prosopis glandulosa

Coriella

Atriplex

Zinnia

Maricopa

Cereus giganteus

Holcanthus

Parkinsonia microcarpa

Coriella

Atriplex

Probable

Son tree Oliva

abn.

Parkinsonia

"

Estralla Mts.

Cereus giganteus

abn.

Maricopa Mts.

Cereus giganteus

abn.

Opuntia spinosa

"

"

"

"

"

Fogwiera

"

Son tree

"

Polavada

"

Prosopis glandulosa

"

Mimosa roemeriana
Coriella

abn.

Gila

Aste

Giant cactus

Gila City = Monitos

Atriplex pyramidalis first seen
Salla

Yuma

Stemodia flooded

Baccharis glutinosa abn.

Atriplex 5

1 " "

Salix

1 " "

Populus

" " "

Prosopis pubescens

"

Polavada on mesa

"

Son tree

" "

Fogwiera

" "

Coriella

" "

Salla

2 "

Atriplex

"

Ogelby 35 2 ft.

Mammoth

Saltan Sea - peratrovics

Polaris com

Iron tree "

Covillea "

Dalea big blue "

" small "

Atriplex low "

Sphedra big "

Shore of Saltan Sea

Flaming Well

Imperial Junction

Iron tree com

Atriplex "

Covillea "

Volcano

Atriplex

Suanda

Restrom

Prosopis glandulosa? a few

Atriplex abn

Covillea com

Durand

Dalea, big blue again

Prosopis glandulosa a few

Atriplex

Covillea

Saltan

just Atriplex or a little Dalea

& 3 Mosquito trees

Covillea

Iron tree

Mosquito

Polaris

a few - com

2 com.

Mesa end of Saltan Sea

Prosopis pubescens ^{abn} a few

Washingtonia in yards

Atriplex torreyi? big, abn.

Cu rather "

Suanda

Ranches & fruit & trees ^{abn.}

Covillea

Eucalyptus trees

Pappus tree

Prosopis glandulosa

Baccharis vininea

Indio

June 10, Indio - 22 ft below sea level

Washingtonia
 Populus fremonti
 Prosopis glandulosa abn
 " pubescens a few
~~Prosopis~~ ~~pubescens~~ abn
~~Prosopis~~ ~~pubescens~~ a few
 Atriplex torreyi? big
 " canescens "
 " polycarpa? low "
 Prosopis juliflora viminalis com
 " "serotina"? "
 Sarcocolla suffruticosa big "

Indio
 Sides of valley

Coville abn
 Atriplex polycarpa? "
 " hymenalytea "
 Lycium cooperi big "
 " andersoni? "
 Dalea fremonti big blue, com.
 " glandulosa pale yellow "
 Krameria canescens? "
~~or~~ ~~Stemodia~~ ~~serotina~~ "
 Erriogonum inflatum "
~~Stemodia~~ ~~serotina~~ "
~~Stemodia~~ ~~serotina~~ "
 Dalea polytricha big pale, big bush "
 Washingtonia 3 groves
 Opuntia echinocarpa? a few

Indio town -

Populus fremonti com
 Melia - winged tree "
 Nicotiana glauca com
 Chandel "
 Dale pallas open, yg.
 Orange trees a few
 Fig
 Yucca big
 Lantana bush
 Ruppert trees com
 Pomegranates com, in fruit

India June 10.
Soturus

Sagorinus anga com
Lophotyx gambeli + yg. "
Zenaidura "
Sedrephagus cyanocephalus 1
Pipilo fuscus com
Gambel "
Helodytes 7 nest, 1
Ereunautus melanaceus 2
Salpinctes 2
Carpodacus com
Lanius 1
Myiarchus cinerascens 2
Polioptila 2
Amphispus
Geococcyx 1

Diposaurus com
Callisaurus "
Notaptyxis "
Geothlypis "
To Palm Springs

Tunell, Palm Springs
up mts -

Covillea - 22000
Dalea polyadenia - 22000
Krameria ^{parvifolia} ~~parvifolia~~ 42000
Dalea ^{cruciatula} ~~cruciatula~~ 41500
Ephedra antisyphilitica 22000
Echinocactus wislizeni 22000
Opuntia echinocarpa? yellow f. 54300
" " ^{aspiroidea} ~~aspiroidea~~ 53900
Mimosa borealis 22000
Yucca whipplei 18000-5900
Hard nut bush " - 3700
Milkweed bush, leafless " - 3000
Audubon's " ^{in N. M.} "
Sagebrush ^{polioptila} "
Sagebrush ^{big bush} "
" ^{stachyoides} "
Juniperus monosperma: 1 bush 11, 1800-
Tadpole ^{partition} yellow 1800-5000
Yucca baccata ^{shaggy} 2200-6000
Schoneliian 2200-6000
Juniperus monosperma com. " - 5000
Eriodictyon (wooly leaf) " - 5000
Quercus dumosa? shrub 2800-6000
Cercocarpus parviflorus " - 6000
Prunus andersonii " -
Oreothlypis 23000-7000
Rhys ovata thick leaf 3000-5000
Ceanothus ^{soft leaf} 2800-5000
Pinus monophylla 3000-6000
Pseudotsuga ^{in N. M.} 3700-6000
Arctostaphylos ^{in N. M.} 4000-7000

Dr. Douglas H. Campbell
Botanist, Stanford.

Mr. Henry. M. Campbell.

- Castilleja* 3000-
Philadelphus microphylla 4500-
Water at \$100 per
Garrya big, \$100-
Euscus cheyolipis " -
 " *californicus* 4, black 4 -
Pinus ponderosa 5, 7000-
Pinus lambertiana 5, 7000-
Abies 11, 6000-
Pinus coulteri 1 com, 5000-

- Valtres
Prosopis glandulosa a few
 " *pubescens* "
Atriplex lentiformis big "
Opuntia spinocarpa abn. -
Saba big black com
 " *glauca* ? "
Croton californicus abn.
Fraxinus dumosa "
Rhamnus purpurea "
Salix lasiolepis "
Atriplex polycarpa "
Cornus "

- Eriogonum fasciculatum* 11, 3000
Hesperidia glabra 11, 3000

- Same parents into June 11
Carpodacus to 3000, int abn
Sialia 2 at 2000
Catherpes 2 at 1000
Hirundo com 1 shot at 1200
Corvus sinuatus 2 at 500
Chondestes palmeri 1 at 2000
Acanthis melanoleuca com at 500
Polypterus cerulea 1 at 3000
Picus 1 " "
Thryomanes 1 "
Myiarchus cinerascens 2 "
Buteo calurus 3 "
Zenaidura macroura 1 at 2000, 1 at 500
Dryobates 1 3700
Agelaius 1 "
Taxus 1, 5000
Pipilo megalonyx 3 at 5100

Up San Jacinto Mts. - June 11
 Motmots in rocks 2000-
 Ovis? bedrocks 1000
 Odocoileus track at 2000
 Thomson 2000-
 Eutamias 3000-
 Citellus fisheri / "
 Lepus arizonae? eyes at 4000
 Scapanus ridges 3000-6000

Palm Springs

In valley

Citellus tereticaudus com
 Thomson's parulides "
 Dipodomys deserti "
 " sinuatus "
 Ammodramus leucurus 1

Sceloporus
 Uta stansburiana?
 Crotaphytus?
 Ophiophagus
 Dipsoaurus

Big Hole 3000-4000
 on rocks 3000
 1 sp. Mouse
 1 light

Palm Springs, up Mts.

Lower Sonoran,
 up to 3000 on N. 4000 on S. slopes
 Upper Sonoran 3000 on N. to 6000.
 4000 on S. to 7000.
 Transition 6000 on N. to
 " 7000 on S. to

Trees in yard at Palm Springs

Washingtonia
~~Lot of palm~~ (Sage palm)
 Date Palms, several varieties
 Jacarilla
 Eucalyptus
 Orange & lemon trees
 Olive
 Fig - purple & white san pedro
 Pine & green pines
 Pomegranates
 Quadalope cypress 1
 Italian cypress 2
 Scotch pine 1
 Camphor tree
 Johara
 Olives, 3 kinds
 Magnolia glauca?
 Agaves
 Yuccas
 Pepper tree
 Parkinsonia - paradise bush.
 Lemon Sage -
 Tamarisk
 Grapes -

Unidentified trees
 Pampas Grass - 4 kinds.
 Casahuate quadrangularis
 Jacaranda

June 11
Palm Springs
Palm Spring Station
earlier to White water
White Water Station

" " 3 miles west
Change from extreme to semi arid.
same species but abundant

Cobezone Station
End of desert species

~~grapt~~
Chilopsis still com.
Opuntia not cahuacapa also
" spiracles, cream f. l. on
Mimosa
Eriogonum bush "
None of these search &

Banning -
All fruit & grain &
alfalfa & crops with
& without irrigation

Escholtzia abn
Wild oats "
Grass "
Weeds "
Stemella neglecta com

Banning
San Bernardino
Los Angeles

June 12. Los Angeles
Hotel Pasadena, 5th + Main.

June 13 out to Pasadena & back

June 15. To Oceanside &
Twin Oaks

June 16. To Oceanside
Twin Oaks

Quercus agrifolia
" dumosa
" wislizeni ?
Platanus racemosa
Rhus ovata
" laurina
" diversiloba
Rhamnus polytachya white sage
" stachyoides blue sage
Tonicera subspicata
Erydiction glutinosa
" nivea

Living Oaks

Quercus
Eucalyptus
 Pepper tree
Washingtonia
Clusia
Umbellifer
Cypripedium
Asplenium

Orange	do well
Tangerines	"
Lemons	"
Grapefruit	"
Olive	"
Pears	"
Peaches	"
Apples	"
Plums	"
Grapes	good
Apples	few
Legumes	"
Fig - purple & white	good
Cherry	1
Washingtonia	cons
English Walnuts	good

June 18 - Oceanside

Populus
Alnus
Sedix nigra
 " silvers beech
Sycamore
Rhus ovata
 " *laurina*
 "

Myrica
Platanus racemosa
Sambucus glauca
Artemisia californica *trifida*
Lycium on coast
Catalpa edulis green on slopes
Sida white on rocks
Coleodon pulcherrimum big, can.
Yucca moraviana?
Opuntia engelmannii *alba*
Catalpa edulis

Oceanside Santa

Cypress abu.
 Eucalyptus many kinds abu.
 Pines scrub! com.
 Pepper trees abu.
 Fig - white, bearing, com.
 Nicotiana glauca
 Tamarisk
 Agave, big, many species com.
 Lantana "
 Washingtonia, 2 sp. "
 Prosopis / "
 Acacia com.
 Olives - over ridge
 Magnolia glauca big trees in place
 Bougainvillea
 Trumpet vine - thorny, big
 Potato vine
 Jasminum 3 varieties, white
 Yucca arborescens
 Date palms
 other palms
 Banana trees 2, 6 feet high.
 Arundinaria tecta, big, patches -
 Poinsettia, big bush,

Oceanside, June 18-

Agelaius vociferus com.
 Ardea herodias "
 Lophortyx valliola "
 Zenaidura "
 Cathartes "
 Tyrannus vociferans "
 Sceloporus virgatus "
 Euphagus cyanocephalus abu.
 Agelaius com.
 Molothrus "
 Otocoris "
 Caprimulgus "
 Pipilo fuscus "
 " "
 Miosciza com.
 Chondestes fasciata 2
 Petrochelidon abu.
 building on bank & old mill, 40 nests on and
 ground, all used,
 Struthio abu.
 Larinus 2 yg. com.
 Spizella 1
 Vireo 1
 Barn Owl 2 + 4
 Icterus nelsoni 1

Oceanoide, June 18-

Citellus richardi

Peromyscus boylii

" gambeli

Rithrodontomys

Mus musculus

Microtus

Neotoma fuscipes

Thomomys

Zapus luduboni

" calif-

abn

com

"

abn

1

abn

"

afew

June 20 San Louis Rey
Lagoon

Fulica

3 ad & 3 egg

Podilymbus

2

Anas boschas

1

Mosca

Mimus p. leucophaea

Perognathus big 1 in nest

Pituophis

Eutaenia

Sceloporus biguttatus

Quereatus scincicandis

Phrynosoma blainvillii

Plant Catalogue 1907

No.

1165. *Opuntia occidentalis*

Wagner Ranch, June 25,

1166. *Opuntia bursaria?* ~~capitata~~

Wagner V. June 25,

Oceanside - June 26.

1167. *Asteriscia californica*

June 20

1168. *Populus trichocarpa*

1169. *Alnus rhombifolia*

1170. *Eriogonum fasciculatum*

Capistrano July 10

~~1171~~

1171. *Baccharis viridis?* *viminea*

1172. *Baccharis glutinosa?* ~~viridis~~

Trabuco Canyon, July 15

1173. *Ribes* ~~hypericum?~~ ^{*hypericum?* (C)} *spiny*

1174. *Ribes* ~~indocorum?~~ ^{*indocorum?* (C)} *not spiny*

1175. *Quercus dumosa*

1176. *Fraxinus dipetala*

1177. *Rhamnus crocea*

Nature's Ecumenes.

1178. Boeckonia? ~~crucifera~~? leafless
1179. Pseudotsuga macrocarpa

~~Capra~~

Capistrano, July 16.

1180. Opuntia polifera
on shore of Ocean

1181. Opuntia occidentalis sparse

1182. Opuntia occidentalis spinul.

Santiago Canyon July 19

1183. Opuntia small

1184. Salix lasiocalyx tree

1185. Salix lasiocalyx big leaf

1186. Salix macrostachya - limbo leaf

1187. Pentstemon antiochioides
leaf yellow







Jan 22 Esccondido

San Pasqual Valley

Eucalyptus

Popped trees

Olives

Walnuts -

good

Pourguant

1 in flower

umbrella trees

Western glaucous

Orange

2 trees

Fig

Apple

good

Siberia

along river

Platanus

"

Populus

"

Baccharis

on flats

White Sage

on foothills

Blue sage

"

Notodendron glabra

"

Opuntia engelmanni

" abn.

Sambucus

"

Eriogonum fasciculatum

Prosopis glandulosa 1 big tree

San Pasquel Valley, Jan 22

Zenaidura com
Cathartes "
Colaptes vallis "
Agelaius integrator obs
Euphagus com
Aphelocoma 3
Melospiza com
Pipilo maculatus "
Arremonops m. *hyperythrus* "
 " *lawsoni* "
Lanius "
Icteria v. longicauda heard
Tyrannus vociferans com
Vireo heard
Petrochelidon com at barn
Carpodacus com
Agelaius phoeniceus 1
Agro
Oxyechus vociferans 1
Dendroica aestiva 2
Sturnella common in woods
Protonotaria 1
Phainopepla 1
Mimus luteiventris a few
Icteria v. lawsoni 2
 1300 feet
Contopus richardsoni com.
Pipilo megalonyx 1 heard
Psittacus a family
Melanerpes formicivorus 1
Corvus brachyrhynchos 2

Up Canyon

Upper Sonoran begins N. slope at 7000
Adiantum parvifolium "
Ceanothus divaricatus "
Hesperis "
Cercocarpus pauciflorus "
Arctostaphylos leafy bush "
 hard berry bush "
Ceanothus integrifolius ? "
Rhus thick leaf "
Mimulus shrubby "
Quercus wislizeni "
 " *agrifolia* ? 7000-
 " *laevis* ? 13000-

Birds 1500.
 Ravens 1400

Eucalyptus
umbellata trees
Washingtonia 2 large
Alnus trees a few
Levon trees 4 small, full of fruit
Picea com. seeds big
Abies trees part of fruit
Fig "

Populus com
Salix "
Castilleja "
Thorendren 2

Rana
Triton phalaena 1
Otocoris com
Sialia mex. 6
Agelaius phoeniceus 1
Zenaidura com
Troglodytes "
Cathartes "
Melanerpes formicivorus 1
Tyrannus com
Carpodacus "
Aphelocoma "
Sturnus 2 sps
Pipilo fuscus com
Empidonax a few
Sturnella com

SW ridge
Phainopepla 2
Sturnella abn

Witch Creek
Phalaenoptilus nuttalli heard
Megascops "
Carpodacus abn
Hummer 1
Habia melanocephala + nest
Sturnus

top slope - 2500
Adiantum "
Eriogonum fasciculatum "
Arctostaphylos "
 White sage - "
Quercus agrifolia "
Hesperis "
Ceanothus divaricatus 2400 "
Arctostaphylos 2400- "
Sambucus - "

Summit 2500
~~Witch Creek~~
 Valley 2400
 top of Witch Creek 2800
 Peaches
 Peas
 Grapes
 Figs

English Walnuts, a few good
 Pomegranates, small tree in flower

Quercus agrifolia
 " *alifanari*
 " *dumosa*

Salix
Platanus
Wyethia
Pteris brownii

June 23, Wilds Creek 2800

Ridge 3100

Santa Ysabel 3000

Zenaidura com

Cathartes "

Melanerpes formicivorus "

Otocoris "

Thryothorus "

Caturmenus "

Aphelocoma "

Falco sparverius 2

Zonotrichia "

Sialia bairdi? com

Corvus brachyrhynchos 2

Speotyto family

Warner Valley

Corvus brachyrhynchos com

Falco sparverius "

Lophortyx valisoides "

Zenaidura "

Cathartes "

Colaptes cafer 2

Melanerpes 3

Dryocopus pubescens 1

Aphelocoma com

Pipilo fuscus "

Sialia bairdi "

Mimus 1

Geothlypis 1

Otocoris com

Mniotilta 1

Santa Ysabel

Quercus agrifolia com

" engelmannii 4

" dumosa 1

Platanus along streams

Salix "

Sambucus glauca "

Phoradendron flavescens com

Coccoloba villosa & dyeriana

Warner Valley

Quercus californica 3300

Wild roses com

Ceanothus divaricatus com

Warner Valley

Quercus agrifolia 2700

" engelmannii 4

" dumosa 4

Sambucus inebrians

Salix along streams

Arctostaphylos viscida edge, com

Adiantum pseudopeltatum "

" big red, common place

Ceanothus divaricatus edge

" cuneatus "

Prunus ilicifolia "

Prosopis glandulosa 1 big

Warner Valley

Coturniculus heard
Sturnella com
Oxyechus X
Spermophilus 2
Chondestes com
Progne 1
Petrochelidon abn, breeding
Sayornis 1

Taxidea com
Canis coyote com
Citellus beecheyi abn
Thomomys "
Dipodomys "
Lepus arizonae com
Peromyscus gambeli 2
" boylii 2
Microtus californicus 1. w

Baccharis 2
Phrynosoma hernandesi

June 24 Warner P.O. 3000

Opuntia small *argentea*, com
" *schottii*? "
Astragalus tridentatus "

Divide 3450

Down San Felipe Valley
Opuntia rosea abn. - 2700

Chilopsis com "
Croton not *texensis* "

Eriodictyon glaberrimum "
Opuntia basilaris com "

Prosopis glandulosa - 2600

Wrightia "

Salix nigra "

" *pyramidalis* "

Senecio? on side hills, com.

White sage "

Eriogonum fasciculatum "capitulum" "

Populus in bottom

South side of valley

Opuntia basilaris com

Yucca wrightii "

Trifolium repens "

Quercus dumosa

Rhus big leaf

"Zemgion"

June 24.

San Felipe Valley

Leptostyx	com
Carpodacus	"
Unio	"
Larus californicus	"
Larus v. longicauda	"
Goccyx	1
Lanius	com
Guiraca lazuli	1
Cervus	a few
Euphagus	"
Colinus pasciata	4

East end of Valley

Sayornis saya	com
Barn owl in hole in bank	1
Amphispiza bilineata	
Myioborus	1

Banner

Phainopepla	com
Dendroica	and 50 com
Leptostyx californicus	com

San Felipe Valley

Crotaphytus	-2700
Ammodramus	- "
Raptores	

Larus texensis	
" auduboni	
" mexicanus	

Citellus tereticaudus	1
Citellus beecheyi	com
Onychomys leucogaster	com
Thomomys	
Dipodomys	
Neotoma	

East end San Felipe Valley 2400
Prosopis glandulosa abn.
Mimosa canariensis "
Covillea "
Yucca nelsonii com.
 " 'spatulate' big leaf "
Ephedra "
Thamnosoma com.
Collocinus ? "
Opuntia echinocarpa ? "
 " 'englemanni' ? "
Coudalia "
Pigouia like shrubs, 3 "
Ononis polycarpa ? "
 " 'abundans' ? "
Cercus englemanni "
Eucalyptus parvifolia along cr. "
Banner Gulch 2700
Quercus 3. com.
Platanus "
Populus fremontii ? "
Alnus ? "
Salix ? "
Vitis ? "
Sambucus "
Yucca whipplei com.
Alnus big leaf "
Adiantum parvifolium "
Horradia glabra "
Ceanothus div. varietal along cr. "
Ceanothus wide leaf abn.

up grade
Ceanothus 'ilicifolia' abn.
Arctostaphylos patula ? "
Heterostichus com.
Prunus ilicifolia "
Arctostaphylos patula "
Ribes cereum a few "
Cercocarpus parvifolius "
Ceanothus buds, red "
 White ag. *Ranunculus polytachia* "
Torreyia " "
Cercis "
Quercus californica 4000 - "
 " 'chrysolepis' " -

Top of Grade 4000
Pinus contorta com.
Quercus californica abn.
 " 'agrifolia' on S. slope "
 " "
Arctostaphylos patula abn.
Wyethia "
Thamnos californicus com.
Pteris "
Yucca glauca on S. slope "
Rosa "
Lupinus big "
Pentstemon red "
Thermopsis big, woody "
Platanus in gulches "
Phoradendron woods, abn.

Julian 4.2.19.
 Stuznilla com
 Coturniculus near
 Habia melanocephala near
 Caepodacus com
 Corthopas v. fordsoni fair
 Chondestes com
 Corvus 1
 Agaveo p. z. canera 2
 Tachycineta thalassina 1
 Spizella arizonae 1
 Aphelgea com
 Melospiza pinnae com
 Pipilo megalonyx 4
 Mniotiltus 4
 Sitta carolinensis a few
 Sitta a. nelsoni 1
 Quercus reported
 River oak to Lake side
 Leptotyx californicus com
 Zenaidura 4
 Cathartes a few
 Colaptes cafer 2
 Tachycineta? a few
 Tyrannus vociferans com
 Phainopepla abn.
 Chondestes 4
 Polioptila 1

Julian June 25.
 Transition zone 4000-5000 ft.
 Upper Sonoran 2000 - 4000 ft.
 Lower Sonoran - 2000 ft.
 River - 1000
 Populus fremontii abn.
 Platanus "
 Alnus com
 Salix nigra "
 Quercus agrifolia "
 Abies 4
 White sage "
 Hesperaloe glabra abn.
 Astragalus californicus com
 Rhoeo long leaf "
 Croton californicus (not toxic)
~~Croton~~ ~~serotinus~~
 Baccharis borealis "
~~Lobelia~~
 Baccharis 'pifolia' "
 " "densifolia" "

Lakeside June 24
Orange big groves, good

Olives good, abn.
Washingtonia
Eucalyptus abn.
Piper trees "
Oleander trees
Agave big
Umbrella trees com

Populus fremontii abn.
Salix "
Platanus "
Eucalyptus 'pilipolia' "

" "
Opuntia engelmannii "
Sambucus
Eriogonum fasciculatum
Prosopis 1 big tree
White Sage - on hot slope

W. Sycamore 1st good
Astragalus abn.
Ceanothus integrifolius? "
Hesperaloe "
Purpurea sp. "
Rhamnus californica? "
Lonicera divaricata com
Metastelma biedersteineri "
Quercus dumosa abn.

Lakeside, June 24.
Zinnia abn.
Euphorbia abn.
Lupinus 2
Styracis com
Ceanothus abn.
Tyrannus verticalis com
Lanius ludovicianus 2
Vireo gilvus com
Carpodacus "
Colaptes cafer 2
Chondestes com
Empidonax "
Otocoris "
Corvus "
Geococcyx 2

~~2nd Sycamore~~
Pigeon grove abn.

1st Grad
Rites
Rhino Acridactylus spring for
" single leaf com.

"mullen sage" com
Artemisia californica
Yucca whipplei
Blue sage in places
top of ridge 1600

Coway Valley 1000
open shrubland, lower Sonoran
Eucalyptus doing
Grovelles 2 big trees
Pine trees
Agave 'narcissus' big

Bernardo Valley
open shrubland, lower Sonoran
Eucalyptus
Pine trees
Olives on ground

Escondido

Zwinoaks

June 27
To Oceanside -

July 2 To San Diego
In town

Eucalyptus abn.
Auriparia?
Ficus elastica big, com.
Camptocarpus trees
Grovelles
Yucca palms
Date palms
Pine trees abn.
Umbrella trees
Acacia trees com
Cypress
Pines
Agaves big
Bugaravilla
Pomegranates, in flower fruit, com.
Magnolia grandiflora
Fig a few

Del Mar

Pinus torreyana com
Santoucon rigidum com.

July 4

Santa Anna - Day light

Orange groves extensive

Walnut "

Apriots "

Los Angeles

Burbank

Opuntia engelmanni abn.

Ficus (*carolinensis* *gilboi*) "

Artemisia californica "

h. h. sage "

Encalyptus "

Calif. (like tipuensis) "

Baccharis borealis "

" *"filifolia"* "

Sambucus

Cucurbita

Yucca whipplei a few

big grain fields

Chatworth

Trumbull

Quercus agrifolia abn.

Pinus ^{the} *torreyana* big "

h. h. s. m. l. "

Adiantum "

Blue + white sage "

Artemisia calif. - "

Burbank

Orange

Olive

Walnut

Grapes

Peaches

Apriots

Encalyptus

Palms

Grains -

Chatworth

Trumbull

Quercus lobata, abn., first.

Open valley from Santa Anna
to Orange - Lower Sonoran.

Grains

Beans

Sugar beets

Ventura

Only low draped, sagittate.

Encalyptus abn.

Pappal tree "

Ferns + Date palms in yards.

Figs a few large trees

Nicotiana glauca

Along roads

mainly chopped, low.

Near Santa Barbara

Oil & asphalt.

Eucalyptus big, abn.
Pepper trees abn.
Albice o far groves
Date & fan palms abn.
Yucca arborescens com.
Orange trees, a few in yards
Mediterranean pines com.
Walnuts good fields,
Loganets com.
Auricularias? "
Elaeagnus "
Platanus "
Quercus agrifolia "
Santa Barbara

Pepper trees

Figs

Loganets

Palms - many kinds

Auricularias

Banana trees

Ficus elastica? 1 big tree

San Luis Obispo

Paso Robles

San Francisco 21 A.M.

July 5 up mt. San Andreas

Redwoods

Quercus agrifolia

Platanus

Alnus

Populus

Salix

Acer macrophyllum

Umbellularia

Myrica

Rhus

Ceanothus sarcocollatus

" thyrsiflorus

" foliolosus

" cuneatus

" jepsonii

Acetostaphylos tomentosa

" canescens

Eriodictyon glutinosum

Dendroica rigida

Ceanothus

Adenostoma fasciculata

Azalea occidentalis

Cypripedium

Quercus agrifolia

" arborescens

" dumosa

" densiflora

" bullata

Corylus rostrata

Xylothermus

In garden

"

"

"

"

"

"

"

Mt. Tamalpais

Chrysothamnus leucocarpus
Rosa californica
Vaccinium ovatum
Rhamnus californica
Garrea fruticosa
" *elyptica*
Prunus emarginata
Lonicera
Rosa gymnocarpa
Psoralea leucocarpa
Pseudotsuga taxifolia
Torreya

July 7 San Francisco
Oakland 5:38 P.M.

Eucalyptus com
Washingtonia u
Phenax ? r.
Peperomia u
Lotus v
Desmodium ✓

Fruitful

Apocynum abn
Peaches u
Pears ✓

San Leandro

English walnuts a few
Apocynum abn
Peaches u
Pears u
Potatoes u
beans u
Oats v

San Lorenzo

Chubasco
alfalfa fig fields
abn.

Hayward

Walton Springs
Olives fig trees

San Jose - deck

July 8 To Los Angeles

July 9 Los Angeles

Anheim

Opuntia occidentalis abn.
Croton californicus "
Eremicarpus setigerus "
~~*Croton californicus*~~ along shore
Orange
Opuntia occidentalis "
Croton californicus "
Eremicarpus setigerus "
Baccharis sericea logarithm
 Oranges etc. abn.
 Loquats com.
 Figs "
 Camphor tree big
 Palms many kinds abn.
 Walnuts "
 Pepper trees "
 Eucalyptus "
 Magnolias glauca in flower 1
 Quince tree com.

El Toro
Capistrano

Capistrano

Platanus racemosa com.
Salix abn.
 " "
Sambucus glabra "
Quercus agrifolia 2
Nicotiana glauca com.
Baccharis sericea "
 " low - "
Rosa by ex. in blossom
Opuntia occidentalis big com.
Cylindropuntia bernardina a few
Eremicarpus setigerus "
Artemisia californica "
Opuntia bernardina? com.
 " *occidentalis*? "
 " very spiny "
 " spinulosa "

At Shore

Rhus integrifolia com.
Eriogonum fasciculatum abn.
Atriplex com.
Statice isomeris arborescens "
Lycium a few
Suaeda abn.
Opuntia littoralis? big "
 " *pectinifera* "

Cajastaro

Oranges com. good,
 Lemons " "
 Pomegranates in flower-fruit, com
 Olives " "
 Loquats 1 tree
 Bananas, small, kill down.
 Fig com
 Fan palm "
 Date like palms "
 Pepper trees abn.
 Eucalyptus "
 Wallnut, English - "
 Acacias a few.

Cajastaro, July 9,

Antio elegant com
 Telo phalaena 2 com
 Barn Owl old + yg. com
 Spizella com
 Catbirds 1 com
 Zenaidura "
 Zonotrichia albicollis 1
 Oryzopsis com
 Colaptes collaris 8 abn.
 Tachycineta thalassina com
 Oreoscoptes montanus 4 com.
 Tympanuchus vociferans com
 Sturnella magna "
 Vireo gilvus 2 com
 Agelaius phoeniceus com

Euphagus cyanocephalus com
 Mispiza m. frontalis 1 yg. com
 Carpodacus californicus com
 Pipilo f. sinuatus "
 Aethya americana "
 Mimus hesperophilus, green com
 Sturnella magna "
 Petrochelidon nests abn
 Sturnella com.
 Ceryle alcyon 1
 Larus 4
 Tringoides a pair com.
 Zonotrichia 1
 Corvus brachyrhynchos 7
 Chondestes a family, 5 yg. + old.

Cipitraw July 10 & 11.

<i>Aquila chrysaetos</i>	?
<i>Charadrius texensis</i>	3
<i>Otocoris</i>	5
<i>Zoanthis verticillata</i> 1 dd, 1 yg.	
<i>Dendroica gestiva</i>	com.
<i>Cyanospiza cyanea</i>	
<i>Junco c. lajuli</i> , 1 dd, 1 yg.	
<i>Geococcyx</i>	1 black com.
<i>Ardea herodias</i>	2 seen
<i>Myiarchus</i>	"
<i>Chondestes</i> ?	1
<i>Sayornis saya</i>	1 July 14
<i>Icteria virens</i>	a few
<i>Buteo swainsoni</i>	1 black

up Trabuco Canyon July 15

<i>Contopus richardsoni</i>	com.
<i>Progne subis</i>	8
<i>Apelocoma</i>	com
<i>Chamaea</i>	com
<i>Phainopepla</i>	12
<i>Corvus sinuatus</i>	3
<i>Pipilo megalonyx</i>	1

July 15 up Trabuco Canyon

<i>Platanus racemosa</i>	abundant
<i>Salix</i>	2 sp.
<i>Quercus agrifolia</i> ?	a few
<i>Alnus rhombifolia</i>	"
<i>Sambucus glauca</i>	"
<i>Artemisia californica</i> com	
<i>Baccharis arborescens ^{arborescens}</i> com	
" <i>pittularis</i> ?	to
" <i>leptophylla</i> (N.B.)	
" <u>School House</u> 1200 feet	
<i>Rhus laurina</i>	"
<i>Ranunculus polytachne</i>	"
" <i>ottolengii</i>	"
<i>Eriogonum macrocarpum ^{tomentosum}</i>	1200 - 1400
<i>Quercus fulviculenta</i>	" - "
<i>Yucca whipplei</i>	1300 -
<i>Rhamnus loricata</i>	"
<i>Populus trichocarpa</i> a few at 900 ft	
<i>Rhamnus californica</i>	1500 -
" <i>tomentosa</i>	" - "
<i>Ceanothus divaricatus</i>	1200 -
" <i>intergerimus</i>	" -
<i>Adiantum</i>	1800 -
<i>Rhus ovata</i>	1400
" <i>trilobata</i>	1300 -
" <i>divaricata</i>	"
<i>Eriogonum fasciculatum</i>	1200 -
<i>Ranunculus coccineus</i>	800 -
<i>Hebe glauca</i>	1200 -
<i>Lonicera subspicata</i>	1300 -
<i>Adeparistoma fasciculatum</i>	1300 -
<i>Umbellularia</i>	1 of 1500 -

In Canyon 1300 - 2300 feet

Vitis

Prunus ilicifolia

Ribes

"

Populus fremontii 1 at 2000 -

Quercus dumosa 2300 -

Pseudotsuga nana " -

Acer grandidentata " -

Fraxinus bipetala " -

Cercocarpus parryi .. SW.

Rubus Blackberry 2000 -

" Raspberry " -

Platanus " -

Adiantum " -

Woodwardia " -

Christmas fern " -

Psoralea borealis " -

Lilium " -

Pinus contorta 3 groves

Juniperus said to be a little

Umbellularia "in places"

Aureo-ochrolepis ? "white oak"

Reported by Forest ranger Robbins.

July 19 up San Antonio Canyon

Platanus racemosa

Amygdalus agrifolia

Saxifraga

"

"

Sambucus glauca

Rhus laurina

" ovata

" diversiloba

Racemosa viridis

Populus trichocarpa

Rhus stachyoides

" *polystachia*

Eriogonum ^{nivea} ~~nivea~~ *montanum*

Umbellularia 1 tree

Opuntia yellow spines, big

" spines -

" spiny, little

" *bracteata*?

Artemisia californica

"

Samolus 1000 feet

Althaeae

Adenostoma praecox

Rhamnus crocea

Rourea coulteri

Ribes

Quercus spring

Aureo-ochrolepis *foetida*

Rhynchospora tomentosa
Crotalaria bipinnata
Eumiscocha litigiosa
Rosa
Wimmeria glutinosa
Grindelia
Medicago elegans
Helianthus
Murhard
Lespedeza thistle

Santa Ana & var.

Palms, Phlox, many kinds large
 Washingtonia " " large
 Yucca palms com.
 Cryptomeria whole branches
 " " spring covered
 Camphor trees abn.
 Camphor like trees, cup flowers com.
 Eucalyptus abn. big
 Pepper trees " "
 Magnolia glauca com. big.
 Acacia trees "
 Orange great groves
 Lemon " "
 Lognat com.
 Fig, apricot, peach, pear, "
 Walnuts abn.
 Poinsettia in towns
 Papyrus "
 Castor bean abn.
 Peas, beans, chilies, tomatoes
 peanuts, sweet potatoes com.
 Pomegranates full of fruit
 Olives east on hills

July 21, Santa Ana
To Newport beach + back
Beach

Abronia

Mesembryanthemum latifolium

Atriplex

Suaeda

Salicornia?

Back on mesa

Opuntia occidentalis, on banks

Onocarpus setigerus com

Madia elegans "

Grindelia "

Mustard "

Wild oats "

grass "

Eriogonum fasciculatum

a little on high banks

Q

Howard K. O'Brien, supervisor
Wallowa, Oregon

Coville in care of O'Brien

W. F. Adams

Shattuck, Oklahoma

Joseph Greinwell, 576, N. Menzies
Seven Oaks now in U.S.

Mr. Andrew Hopper

Lordsburg, N.M.

Mrs. E. L. Fuller, Lordsburg

C. L. Shaw, Casa Grande, Ariz.

Dr. Willwood Murry, Palm Springs

Mr. C. Wood, Witch Creek

Joseph Hedges, First Nat Bank
Escondido, Calif.

H. T. Blake, Oceanside

S. C. Mason, B. P. I.

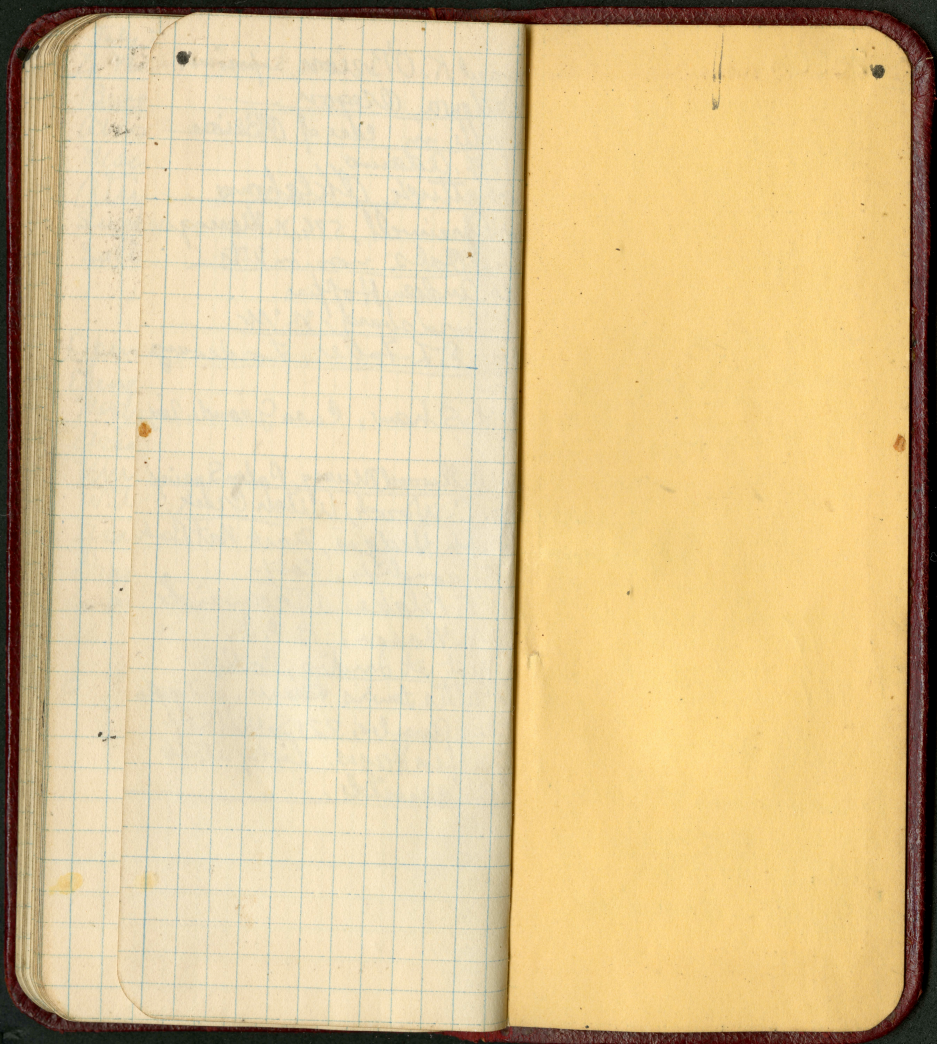
Mt at Indio, Calif.

Walter Lewis Burn, photographer

Los Angeles, 3215 Hill St.

Griffin Hayes, Livestock

Oceanside.



2590 1/4

Woods Hotel
Cedar Grove

Jack Mc Coy, Cedar Grove

Witcher Co.,

Foster by R. A.
Stop to Witcher Creek

Mr. Marshall

H. Bowie

The Post, H. Brown

3811 House

3111 Laboratory

Dr. W. S. Dugal

Wildflowers of Calif.
Buck + ~~Louis~~ Parsons

Calif. Wild Flowers
By Mrs. Davidson

H. Brown for Wolf Creek

E. L. Vail, Tucson
for Wolf Creek

389, Chick & Green ^{\$7.50}

P. S. Sporkman killed
Am. Goldf. Los Angeles
^{also, Missa T. G. G. G.}
San Francisco Indians baskets

F. W. Koch
2043 Barrera St.

W. W. M. 3736 5th
Am. Nat. B. B. B.

Prof. Spalding, Tucson
for Calif. Fauna when out

Botany of Los Angeles Region
Abrams.

Remont 10th + E. River 20

W. S. Rice, Stockton

530 North Commerce

