

1907

no. 2

California

Vernon Bailey

1907

Calif.

July 22 Santa Ana
Orange

~~Olive~~
Santa Ana R.

<i>Opuntia occidentalis</i>	spiral	l. a few
"	spiny	a few
"	wood	com
<i>Nicotiana glauca</i>	abu.	"
<i>Baccharis vinea</i>	"	cr.
<i>Croton californicus</i>	"	abu
<i>Eremocypa setigera</i>	"	com
<i>Cuscuta</i>	"	
<i>Salix</i>	along stream	
"	"	
"	"	
<i>Populus fremontii</i>	up canyon	
<i>Platanus</i>	on flats	
<i>Acerens acutifolia</i>	on foothills	
<i>Rhus lanina</i>	"	
<i>Eriogonum fasciculatum</i>	"	
<i>Athanasia calif</i>	"	
<i>Ranunculus polystachia</i>	"	
" <i>stachyoides</i>	"	

Pseudotsuga macrocarpa
in the gulches of Santa Ana mts

Corona

Eriogonum setigerum abn
Artemisia californica "
Erigeron fasciculatum "

Canyon

Rhus laurina "
" ovata com

Rhamnus crocea "
Platanus long ca.

Ranunculus polytachia com
" stachyoides "

Eriogonum tomentosum "
Boehmeria reflexa "

Rhamnus calif. "
~~Quercus agrifolia~~ on foothills

Heteromeles com
Rhus trilobata "

Pentstemon antirrhinoides yellow "
Cercocarpus parvifolius "

Ronneya coulteri "
Rhamnus tomentosa "

Yucca whippleyi "
Lonicera "

Rosa "
Rubus 2 "

Mimulus glutinosus "
Acer macrophyllum a few

Adiantum abn high up
Dudleya a few

Pseudotsuga macrocarpa high up

Rubus ^{flow current} a few

Chenopodium ^{crassifolium} "
" ^{intergerimus?} "

Fraxinus "
Alnus diversifolia com

Daphniphyllum red a few
Malva a few

Saxifraga 2 com
" "

Barbarea virginica large cr.
Hosackia glabra abn

Semiothisa douglasii com

Terrestrial

Odocoileus
Citellus beecheyi

Neotoma macrotis
" intermedia

Peromyscus
" "

"
" ^{Microtus californicus}

Perodipus
Thomomys pallidus

Canis
Urocyon

Procyon
Lynx

Felis
Sceloporus

Vesperugo fuscus

July 23 Corona to

Ere
 Alt Old Water Canyon, Glen Iny
 Er July 24 - hotel 1400 ft
 Platimus racemosa - 2500
 Rhu Alnus - x
 " Quercus agrifolia x
 Rha Alnus x
 Pt Salix x
 Ra " x
 " Populus fremonti 1000-1500
 Ere Rhamnus californica 1400 - x
 Pt " tomentella " - x
 " " crocea ilicifolia x - x
 Ceanothus 1200 - x
 He Rhus laurina " - x
 R " ovata " - x
 P " divaricata 1200 - x
 C " trilobata in valley " - x
 A Cercocarpus parvifolius " - x
 R Fraxinus 1500 - x
 R Acer macrophylla " - x
 Y Artostophyles 1400 - x
 Z Adiantum fasciculatum 1500 - x
 R Vitis 1700 - x
 R Rubus " - x
 Y " "
 C Umbellularia a few
 C Quercus wislizeni "
 " dumosa "
 P Pentstemon 1400 - x
 yellow brist

Ranunc polystachia 9200 - x
 " stachyoides " - x
 Mimulus luteus
 " scarlet
 " glandulosa
 Pteris
 Woodsia
 Adiantum
 Common fern & others
 Arabis
 Ribes sanguinum
 " spiny
 " fuzzy
 Eriogonum fasciculatum
 Yucca whipplei 1400 - x
 Zonitella subspicata
 Eridictyon tomentosum
 Artemisia californica
 Romneya coulteri
 Dudleya pulcherrima
 Pseudotsuga macrocarpa 2500 - 5500
 Prunus ilicifolia below hotel
 Opuntia occidentalis in valley
 " bruceana "
 Eremocarpus rigida "
 Biscutella chrysantha "
 Baccharis viminea "
 " leafless "
 Sambucus glauca "
 Rhamnus crocea? "

Temescal

C *Sanicula Douglasii* in valley
 Ere *Croton californicus* " "
 Ar *Cucurbita* "
 Er *Medica* "
Artemisia? tall "

Eremocarpus setigerus abn.
Croton californicus "
Medica elegans "
Gutierrezia diversgens, tall "
Trichostema lanceolatum "

July 2nd To Elsinore

Rha *Juniperus monosperma* 6 trees
 Pt *Baccharis viminea* along cr.
 Pa " *erosyi* "
 " *Plucea borealis* "
 Ere *Opuntia occidentalis* abn.
 " *berlandina* "
 " *Ceanothus divaricatus* a few.
 " *Eremocarpus setigerus* abn.
 He *Croton californicus* "

Oranges in town + country
 Lemons west of lake
 Olives " "
 Pepper trees inland, abn.
 Alacias "
 Opuntia " trees, 2
 Agave gigantea + marginata com

Elsinore

C *Artemisia californica* on hill
 R *Ramona polystachia* "
 R " *trachyoides* "
 Y *Eriogonum fasciculatum* "
 R *Salix nigra villoida* along plow
 R " *macrostachia* silky "
 Y " *lasiolepis* "
 C " *lavigata* big leaf "
 C *Plucea borealis* along lake
 R *Baccharis viminea* "
 P " *erosyi* "

July 29 Elsinore 7 A.M.
 Perris -
 On hills - same bushes
 In valley

Eremocarpa setigera
Quercus divergens
Trichostema lanceolatum
Urtica
Abronia

Hemet
 Washingtonia
 Pheax
 Apples . big
 Orange
 Lemon grapefruit
 Olive
 Logquat
 Pomegranate
 Walnut
 Pappus Tree
 Apricots
 Peaches
 Pear
 figs
 Eucalyptus
 Catalpa
 Almonds
 Almond
 Grovella

Hemet 1600 ft
 July 30
Eremocarpa setigera - 2500
Quercus californica - 2500
Abronia umbellata? - 2500
Coccoloba foetidissima - 2500
 " " - 2000
 " " - 2500
Argemone - 2500
Salvia - "
Mexilix pink - "
Helianthus annuus - "
Urtica - 2000
Boerhaavia tinctoria - 2500
 " " - 2000
Madia alba - 2000
Amaranthus - "
Opuntia acidentalis - 2500
Populus fremontii - 3000
Quercus divergens - 2000
Gambusia glauca - 5500
Yucca novboracensis - 2500
 pot hills 1900
Ranunculus polytachus - 3000
 " - 2000
Erechtium tomentosum - 3500
Hosackia glabra - 4000
Eriogonum fasciculatum - 4500
Artemisia californica - 3000
Phoradendron on cottonwood - 2500
Platanus - 4000
Spentia sericea - 2500

C	<i>Quercus agrifolia</i>	2000-2500	<i>Quercus agrifolia</i>	4500
Ere	<i>Rhamnus</i> sp <i>alcea</i> ?	2000-4500	<i>Quercus dubia</i>	2500-5000
Wi	" <i>ilicifolia</i>	" 5000-4500	<i>Pinus ponderosa</i>	4500-
Er	<i>Solidago macrostachya</i>	1800-2000	<i>Libocedrus</i>	" -
	<i>Opuntia bernardiniana</i>	" 2500	<i>Cercocarpus parvifolius</i>	2500-5000
Rhu	<i>Cercocarpus parvifolius</i>	2240-2500	<i>Adrostephanos</i> <i>parvifolius</i>	3000-5000
"	<i>Rhus trilobata</i>	2000-3000	<i>Arctostaphylos</i> <i>patula</i>	4000
Rho	" <i>ovata</i>	" 2500	<i>Quercus calif</i>	4000
Pl	" <i>laurina</i>	" "	<i>Pseudotsuga mucronata</i>	3300-5000 ²²
Ra	" <i>divisiloba</i>	" 2000	<i>Pinus jeffreyi</i>	4500-
	<i>Arctostaphylos</i> <i>uva-ursi</i>	2500-5000	<i>Arctostaphylos</i>	with 2000-3500
Er	<i>Arctostaphylos</i> <i>uva-ursi</i>	2500-5000	<i>Ceanothus integerrimus</i>	" -
P	<i>Astragalus</i> <i>bilobatus</i>	a few at 1200	<i>Quercus californica</i>	4500-
R	<i>Rhus</i>	2000	" <i>wislizeni</i>	2500-5000
	<i>Rubus</i>	bush 2000	<i>Juncus</i>	- silvery - 1500
He	<i>Yucca whipplei</i>	2200-3000	"	pin leaves - 4
R	<i>Alnus</i>	2000-5000	<i>Psoralea</i>	fig - 6000
P	<i>Solidago</i>	" -	<i>Gilia</i>	flur - "
C	" <i>nigra</i>	" - 2500	<i>Fragaria</i>	- "
F	<i>Ceanothus diversiflorus</i>	2000-	<i>Apocynum</i>	- "
R	" <i>integerrimus</i> ?	"	<i>Asclepias</i>	big - "
Y	<i>Arctostaphylos</i>	2000-4000	<i>Asclepiadora</i>	- "
Y	<i>Fouquieria</i> <i>berberis</i>	" 3500		
R	<i>Quercus</i>	" 5000	<i>Quercus wislizeni</i>	2500-5000
R	<i>Vitis</i>	" 2500	<i>Ceanothus cuneatus</i> ?	2500-5000
Y	<i>Rosa</i>	3000-6000	<i>Solidago</i>	5000-6500
C	<i>Hibiscus</i> <i>triflorus</i>	" 3000	<i>Eriogonum</i> <i>shrubby</i>	" - "
C	<i>Cotoneaster</i> <i>2240</i>	"		
S	<i>Pinus borealis</i>	1 branch 2500		
P	<i>Parrya glandulosa</i>	2500		
	<i>Microrhiza glauca</i>	a few "		

Edgelywild

C	<i>Pinus coulteri</i>	4500 - 7000 ^{SW}
Ere	" <i>ponderosa</i>	4500 - 8400
Ar	" <i>jeffreyi</i>	" - 9500 ^{SW}
Er	" <i>lambertiana</i>	6000 - 8500 ^{SW}
	<i>Libocedrus brevens</i>	4500 - 7700 ^{SW}
Rh	<i>Abies concolor</i>	6000 - 9500 ^{SW}
"	<i>Quercus californicus</i>	4500 - 7700
Rho	" <i>chrysolepis</i>	4000 - 7700
Al	<i>Alnus rhombifolia</i>	2000 - 6500
Salix	<i>Salix</i>	" - 6500
Er	"	"
P	"	"
Ar	<i>Arctostaphylos viscida</i>	- 6500
"	"	"
He	"	"
R	<i>Ceanothus divaricatus</i>	- 6500
P	" <i>intergerimus</i>	4500
C	<i>Rhamnus tomentella</i>	- 6500
R	<i>Sambucus</i>	- 6000
R	<i>Ribes nevadensis</i> <i>sanguineum</i>	- 6000
R	<i>Rosa californica</i>	- "
Z	<i>Rubus nutkanus (parviflorus)</i>	- 8500
R	<i>Rhododendron occidentale</i>	5000 - 6000
R	<i>Lonicera</i>	2500 - 5000
P	<i>Pentstemon ternata</i> ^{scarlet}	- 8500
"	" <i>antiochioides</i> , ^{pink}	- 8000
"	"	"
"	"	"
P	<i>Cercocarpus parvifolius</i>	2500 - 3000
"	" <i>ledifolius</i>	1 inch 7700

Up Mts Aug. 3.

<i>Castanopsis</i>	SW 7700 - 10800
<i>Arctostaphylos</i>	" - 9300 ^{SW}
<i>Pinus flexilis</i>	8200 - 10800
" <i>murrayana</i>	" - "
<i>Symphoricarpos</i>	" 9500
<i>Ribes nevadensis</i>	" 10800
<i>Prunus</i>	- 9300
<i>Lupinus</i> ^{narrow leaf}	" 10000
<i>Veratrum</i> ^{narrow leaf}	" - 9000
<i>Dodecatheon</i>	" - "
<i>Polygonum</i>	" - "
<i>Castilleja</i> ^{red}	" 9700
<i>Salix</i>	- 8000
<i>Campot Cobin</i>	8500
<i>Pinus jeffreyi</i>	- 9100 ^{SW}
<i>Abies concolor</i>	- 9100 ^{SW}
<i>Pinus murrayana</i>	8000 - 10800
" <i>flexilis</i>	" - "
<i>Ribes nevadensis</i> (scarlet)	" - 10800
" <i>laeustremolle</i> (spiny berry)	8500 - 9000
" (cut leaf)	9000 - 9500 ^{SW}
<i>Symphoricarpos</i>	- 10000 ^{SW}
<i>Ceanothus intergerimus</i>	- 9500
<i>Castanopsis</i>	- 10800
<i>Lupinus</i> ^{big pink}	- 9000 ^{SW}
" ^{big blue}	8500
" ^{narrow leaf, light blue}	- 10000 ^{SW}
<i>Pteris</i>	5000 - 9700
<i>Common fern</i>	"
<i>Cymopterus?</i> ^{big}	- 9700
<i>Thalictrum</i>	- 9000 ^{SW}
<i>Actinaria</i>	8000 - 9000

C	Castilleja	red. vivid	-9800
Ere	Geranium		-9000
Ar	Geum 'tortiflorum'		-8500
Es	Potentilla	white	-9100
	Artemisia		-8500
Rh	Phacelia		-9200
"	Lilium parryi		-9100
Rh	Veratrum		-9000
Pl	Mimulus luteus? big slender		-9500
Ra	" little string		-9500
	Prunus		-9300
Er	Aplopappus "blowery" - not		-9100
	Zent, Aug. 4	9000	
	Peak 10800 - San Jacinto		
	Castroville s.w.		10800
He	Ribes nevadensis		"
R	Pinus flexilis	dwarf	"
P	" muricata	"	"
P	Arceuthobium		"
C	Carex		"
R	Spraguea umbellata		9000 - "
R	Clatonia		"
Y	Holodiscus		"
Z	Silene	yellow	8500-10700
R	Ribes "prostratum"		8600
R	Pinus jeffreyi		-9200
?	Abies concolor		-9200

Aug. 7 up Lakeview Peak
 Cercocarpus halimifolius 1 of 8826
 Chionophilapieta 1 of 8500

Aug. 11 to Hermit Reservoir
 Artemisia tridentata 4300 - 4500
 Monarda " - 4500
 Malvastrum " "
 Argemone a few - 4300
 Eriogonum fasciculatum - 4500
 Gutserrigia entranca - 4400
 Wyethia 4300-4500
 Solidago 3000-6000
 Eriogonum shrubby " - 6500

Aug. 13, Idylwild to Hermit.
 Gaophytum 4500 - 6000
 Monardella " - "
 Achillea " - "
 Euphorbia " - "
 Astragalus " - "
 Mimulus gluterosa - 5000
 Ribes speciosum 3000-4400
 " malvaecum viridifolium 3000-4000
 Datura - 2500
 Cassia - 2000
 Lupinus pinky - "
 " fallax? - "

Back to Idylwild Aug. 5,

Aug. 3 San Jacinto Mts.

Dendroica auduboni, com 8000-9500
Tunco -10700
Melospiza ^{feeding ya at} com, nest at 9000.
Tachycineta obs at 8500-10500
Spizella arizonae -8000
Oreortyx 2, 4, 5 yg. 8000-9000
Oreospiza 8000-9500
Uro-mantes com at 9500
Dryobates hyloscopus 2 at 9000
Picoides 1 at "
Zenaidura 3 at "
Sialia -9200
Empidonax difficilis yg 8500+9000
Spinus pinus head 9000
Parus gambeli obs
Sitta pygmaea 8500
" aculeata "
Mniotilta 1 at 10000
Melospiza lincolni feeding ya at 9000
Troglodytes com -9700
Sialia platycircus?
" rufus?
Parus yg. at 1 at 10500
Corvus brachyrhynchos 16 at 10800
Salpinctes 1 at 10500
Accipiter velox 1 "
Certhia 2 - 9500
Dendroica auduboni + yg at 9000 + 9500
 Kinglet yg 9500
Pipilo megalonyx 1 im. 9300
Sphyrapicus thyroideus 1 ♂ 9000

Odontocorys 5300-9500
Sciurus f. bayardi 5000-9100
Citellus beecheyi -9500
Eutamias merriami 45300
" stephensi 8000-10700
Peromyscus gambeli 45300-9000
" texensis 5500-
Neotoma "
Microtus calif. "
" 8500-9000
Thomomys -9700
Lynx
Urocyon
Felis Trade at 7500
Procyon trades -9000
Mephitis
Skorex 9000
Scioporus 8000
Scioporus 5300-9000
Vulpes ? "
Myotis ? "
Erethizon on P. musgum gravings at 9500.
Taxidea at Hunt Mrs. holes 4400
Perodipus, *Lepus calif.*

Zampoceltus multivittatus 1 at 5400
Crotalus molossus 5000-8000
Pituophis 1, 4500
Eutaenia 1, 5400
Phrynosoma 1, 5300
Sceloporus big -5500
" bicinctus
Uta stansburiana
Cnemidophorus tigris 74500

C. Colaptes - 8700
 Ere. Helminthophila c. lotseus - 8700
 W. Contopus richardsoni - 8500
 Er. Cyanocitta - 8000
 M. melanerpes formicivorus acrobolus - 6500
 Rhu. Geococcyx 1 + tracks of 5000.

Aug 11 to Ken Camp + Hunt Res.
 P. Pipilo fuscus schneida 3 - 5000
 R. Myiarchus 3 - 5000
 Aphelocoma com - "
 Er. T. trammis vociferans 49, 4300-4500
 P. Chondestes com - "
 R. Falco sparverius 7 4300-4500
 H. T. toston passadus 1 "
 R. Catherpes 1 "
 P. Habia uclaoccephala 2 "
 C. P. Piranga ludo 1 "
 A. P. Poliophila woodward -
 R. P. Pezomachus 4 4000
 R. C. Cyanospiza com 4300
 M. Buteo calurus 1 "
 R. Sitta pygmaea abu "
 R. S. Sapsorus nigricans 1 "
 R. Tachycineta abu "
 C. Amphispiza nevadensis com "
 C. Sitta nalla abu "
 C. Euphagus 3 "
 C. Chondestes 2+6, 4300-4500
 F. T. Taphostyx villeda 3 "
 L. Lanius 2 4500

O. Ocoris wood 4500
 L. Corvus 2 at 4
 S. Spizella "
 S. Sialia abu. 4300-5300
 C. Colaptes collaris com. 4300-
 S. Sitta pygmaea com. "
 7

Aug 14, Hemet + San Jacinto

C	<i>Eremocarpus setigerus</i>		abu
Ere	<i>Croton californicus</i>		"
Ar	<i>Senandra virgata</i> (mexia)		"
Es	<i>Ptilocis virgata</i> (chocoma)		"
	" <i>pluricaarpa</i> "		"
Rhu	<i>Gnaphalium</i>		com.
"	<i>Helianthus annuus</i>		"
Rho	<i>Gutierrezia divaricata</i>		"
Pt	<i>Xanthium</i>	weed	"
Ra	Mealotl thistle	"	"
	<i>Abronia</i>		abu
Er	<i>Latura</i>		com.
P	<i>Cucurbita foetidissima</i>		"
	"		"
	Horchound	weed	"
He	<i>Amsinckia</i>		"
R	<i>Oenothera</i>	1219 1220	afew
P	' <i>Semiothis</i> '	1215	com
C	"	1214	"
F	<i>Mertensia glauca</i>		"
R	"	annual	"
Y	<i>Artemisia californica</i>	on foothills	"
Z	<i>Ranunculus polylobus</i>	"	"
R	" <i>stachyoides</i>	"	"
R	<i>Hosackia globosa</i>	"	"
	<i>Opuntia arborescens</i>	"	"
	" <i>occidentalis</i>	"	"
	" <i>tenuis</i> ?	big, open areas	afew
	<i>Gutierrezia euthamiae</i> ?	on foothills	com
F	<i>Senecio douglasii</i>	"	afew

<i>Baccharis viridis</i>	com
" leafless	1211 in places
" 'filifolia'	1212 "
" "pilularis" ?	"
<i>Argemone platyceras</i>	a few
<i>Helianthus</i>	1215 foothills, com
"	" "
<i>Chilopsis linearis</i>	long weed, abu
<i>Prosopis juliflora</i>	3 patches
" <i>pubescens</i>	2 trees
<i>Malvastrum fasciculatum</i>	a few
<i>Trichostema lanceolatum</i>	abu
<i>Heliotropium curassavicum</i>	"
<i>Salix nigra v. pallida</i>	in places
"	"
<i>Populus fremontii</i>	abu
<i>Sambucus glauca</i>	com
<i>Phoradendron</i>	"
<i>Platanus</i>	"
<i>Suaeda suffruticosa</i>	+ smaller, abu
<i>Salicornia</i>	"
" <i>Stachia</i> "	1216 "
<i>Atriplex canescens</i>	"
"	annual
<i>Juncus lacustris</i>	"
" <i>balteus</i> ?	"
<i>Distachne viridula</i>	"
<i>Tetradymus canescens</i>	com

Aug. 14, Sanat + San Jacinto

Er	<i>Citellus beecheyi</i>		com
Ar	<i>Neotoma intermedia</i>	in earth,	"
Er	<i>Perognathus</i>	1, abn.	"
	<i>Mus musculus</i>	1 on bar wire	"
Rh	<i>Perodipus</i>	tracks,	com
"	<i>Dipodomys</i>	"	com
Rh	<i>Thomomys pallens</i>		"
Pl	<i>Lepus auduboni</i>	1 on	"
Ra	" <i>californicus</i>	1 "	"
	<i>Canis</i>	tracks	"
Er	<i>Vulpes macrotis</i>	"	"
Pl	<i>Urocyon</i>		"
R	<i>Mephitis</i>	tracks	"

Riverside Aug. 14

C	<i>Thomomys</i>
R	<i>Perodipus</i>
R	<i>Dipodomys</i>
Y	<i>Lepus auduboni</i>
Z	<i>Canis</i>
R	
R	
C	
C	
T	

Aug. 16, Riverside

	<i>Euroscopus setigerus</i>		abn
	<i>Oryzopsis californicus</i>		"
	<i>Baccharis viminea</i>		"
	<i>Tetradymia squarrosa</i>		com.
	<i>Baccharis monnina</i> , fig leaf		"
	" <i>puberula</i> ?		"
	<i>Phlox virgata</i>		abn.
	" <i>pluvocarpa</i>		"
	" <i>Emmersonii</i>	1213 + 4.	"
	"	1214.	"
	<i>Helianthus annuus</i>		"
	<i>Desmodium illinoense</i>		"
	<i>Hordeum</i>	weed	"
	<i>Amsinckia</i>	"	com
	<i>Gutierrezia euthamiae</i> ?		"
	<i>Setaria</i>		"
	<i>Cucurbita</i>		"
	<i>Cuscuta</i>		"
	<i>Meibomia glauca</i>		a few
	<i>Opuntia brevifolia</i>	on foothills	com
	" <i>occidentalis</i>	"	"
	"	fig, in yards	"
	<i>Salix n. valledora</i>		com
	" <i>moccasinensis</i>		"
	<i>Populus fremontii</i>		"
	<i>P. latifolia</i>		"
	<i>Sambucus glauca</i>		"
	<i>Scirpus dreyeri</i>		"
	<i>Eriogonum fasciculatum</i>		"

Aug. 17, Palmdale 1200ft

C	<i>Eriogonum nitens</i>	1200-2000
Ere	<i>Croton californicus</i>	in canyon - 3500
Wi	<i>Baccharis viminea</i>	-2500
Er	" <i>haptus</i>	-2000
	" <i>Semeioides</i>	1213, "
Rh	"	1214, "
	<i>Benardra virgata</i>	"
Rh	<i>Ptilocarya virgata</i>	"
Pl	" <i>plurocarpa</i>	"
Ra	<i>Helianthus annuus</i>	-2500
	<i>Gutierrezia divergens</i>	-2000
Er	<i>Opuntia brevidens</i>	-2500
Pa	" <i>occidentalis</i>	"
R	" <i>small pods</i>	-2000
Sal	<i>Salix nigra</i>	-2500
He	" <i>macrostachya</i>	"
R	"	-3000
P	<i>Populus fremontii</i>	-3500
Q	<i>Platanus</i>	-4500
F	<i>Ficoidictyon glutinosum</i>	1800 - 5500
H	<i>Hosackia glabra</i>	-3500
A	<i>Astragalus californicus</i>	2500
Z	<i>Ranunculus polytachia</i>	3500
R	" <i>tachyoides</i>	2500
	" <i>parva</i>	3500-6500
E	<i>Eriogonum fasciculatum</i>	3500
L	<i>Lupinus pallidus</i>	-2500
S	<i>Scaberrima glauca</i>	1200 - 4500
N	<i>Nicotiana glauca</i>	1200 - 2000
M	<i>Malvastrum pasadenatum</i>	" - 2000
C	<i>Chenopodium</i>	6000
	"	-3500
P	<i>Pentstemon antiochioides</i>	2000 - 3500
H	<i>Hosackia glabra</i>	S.W. - 3500

<i>Triostema lanatum</i>	3500-6500
<i>Juniperus occidentalis</i>	1800-2000
<i>Adenostoma fasciculatum</i>	" - 6500
<i>Yucca whipplei</i>	" - 6000
<i>Rhus trilobata</i>	2000 - 4500
" <i>diversiloba</i>	" - 4000
" <i>ovata</i>	" 4300
<i>Ceanothus crassifolius</i>	" 4000
" <i>thyrsiflorus</i>	" 6500
<i>Cercocarpus betulifolia</i>	" 5000
<i>Quercus dumosa</i>	" "
" <i>wislizeni</i>	" 6800
<i>Purshia ilicifolia</i>	" 4000
" <i>californicus</i>	" 6000
<i>Prunus ilicifolia</i>	" 3500
<i>Salix v. v. v. v.</i>	" - 5500
"	" 29500
<i>Populus trichocarpa</i>	"
<i>Alnus shrubifolia</i>	1800-5500
<i>Pseudotsuga macrocarpa</i>	S.W. 4500-6500
	N.E. 2700-5000
<i>Quercus chrysolepis</i>	2500-7500
	Left Creek
<i>Garrya v. palmeri</i>	" 5600
<i>Arctostaphylos tomentosa</i>	" 6500
<i>Juniperus glauca?</i>	2000-6000
<i>Juniperus subspicata</i>	2000-5500
<i>Quercus</i>	3000-5000
<i>Ceanothus</i>	4500-6000
<i>Arctostaphylos menziesii</i>	4500-6000
<i>Pinus ponderosa</i>	a few
	E. 6700-7500
<i>Artemisia tridentata</i>	" 4700-6200
<i>Fragaria</i>	" 5-7500

Q	E	<i>Parthenocarpus</i> ^{terrestris} scrub bush	2500-4000
Ere	C	<i>Prunus</i> ^{demissa} abundant	4500-5000
Ar	B	<i>Boerhaavia</i>	" - 7300
Es		<i>Rhamnus</i> ^{torreyana}	" - 6000
15		<i>Pinus Coulteri</i>	5000 - 6200
Rh		" ^{amblyocarpa}	" -
		<u>Clark</u>	" -
Rh	Pl	<i>Libocedrus</i>	" -
P		<i>Heteromela</i>	3500-4300
R	Hd	<i>Ceanothus</i>	
		<u>transitions on SW</u>	6500
Er	Q	<i>Abies</i>	6500-
P		<i>Pinus jeffreyi</i>	" - SW 9500
A		<i>Ceanothus integrifolius</i>	6500-7000
Se		<i>Pentstemon</i> ^{lanceolatus}	" 9000
H		<i>Gilia</i> ^{blue}	" - 6000
R		<i>Castilleja</i>	" - 7000
P	Pa	<i>Arctostaphylos patula</i> , green	7000-9500
C	Pl	<i>Castropsis</i>	" - 10500
F	Er	<i>Ribes</i> ^{big ophrys}	4500-
		<u>Top of ridge</u>	7700
		<u>Bluff Lake</u>	7500
L	R	<i>Veratrum californicum</i>	" - 8500
R		<i>Dodecatheon alpinum</i>	

Bluff Lake

<i>Pinus ponderosa</i>	
" <i>jeffreyi</i>	
" <i>lawsoniana</i>	
" <i>resinosa</i>	
<i>Libocedrus decurrens</i>	
<i>Abies concolor</i>	
<i>Arctostaphylos patula</i>	
<i>Ceanothus divaricatus?</i>	-8500
<i>Castropsis</i>	
<i>Salix</i>	in meadow
<i>Veratrum</i>	"
<i>Dodecatheon alpinum</i>	"
<i>Erigeron</i>	"
<i>Symphoricarpos parishii</i>	
<i>Pentstemon lanceolatus</i>	
<i>Ribes nevadensis</i>	
<i>Prunus emarginata</i>	SW -8500
<i>Solidago</i>	-
<i>Helianthus bigelovii</i>	in meadow, 7500
<i>Amorpha californica</i>	

Redland, Aug. 17

Minus 2
 Carpodacus frontalis com
 Pipilo sericeus "
 Zonotrichia a few
 Lophortyx com
 Polioptila 1
 Chrysomitris a few
 Cathartes 4 2000
 Salpinctes 3 "
 Aphelocoma com 2000-6200
 Ceryle 1 2700
 Chamaea com 2000-6200
 Oreortyx 5000
 Sitta pygmaea 7000-9000
 Junco "
 Spizella arizonae "
 Aeronautes 4000-6000

Aug. 18 Bluff Lake

Junco thurberi abn
 Spizella arizonae abn
 Carpodacus mexicanus com - 8200
 Empidonax a few spec. 7500-8000
 Selosphorus rufus 1
 Crotopus richardsoni com
 Parus gambeli "
 Dendroica auduboni + yg. abn. 10000
 " townsendi
 Piranga ludoviciana com
 Sialia abn
 Troglodytes

Nucifraga 3 heard at 8000
 Oreospiza com
 Hylaerythra ?
 Merula migratoria pro - 4
 Bubo - heard + feathers pond
 Aug. 19 Bluff Lake

Passerella
 Cyanocitta - 9100
 Spinus pinus
 Melospiza c. lutescens 7500-8000
 Wilsonia pusilla
 Calypte atrona
 Pipilo megalonyx 1
 Sphyrapicus thyroides 1
 Troglodytes com. yg. 1000-8000
 Colaptes
 Tachycineta thalassina

Aug. 20 to Dry Lake

Cyanocitta 6 at 7300
 Aphelocoma - 6500
 Chamaea "
 Buteo b. calurus 2 others

Aug. 21

Nucifraga 9000-10000 a few
 Junco abn - 11400
 Aquila chrysaetos 3 2 at 1500
 Chordeiles virginiana com 9000

Aug. 22

Cinclus 2 at 9000
 Ptilonorhynchus 1 at 8000
 Cyanocitta - 9100
 Hylaerythra 1 at 8000
 Venus americana a pair at 8000



Redland, Aug. 17

Minus 2
 Carpodacus frontalis com
 Pipilo sericeus "
 Zonotrichia a few
 Lophortyx com
 Polioptila 1
 Chrysomitris a few
 Cathartes 4 2000-
 Salpinctes 3 "
 Aphelocoma com 2000-6200
 Ceryle 1 2700-
 Chamaea com 2000-6200
 Oreortyx 5000-
 Sitta pygmaea 7000-9100
 Junco "
 Spizella arizonae "
 Aeronautes 4000-6000

Aug. 18 Bluff Lake

Junco thurberi abn
 Spizella arizonae abn
 Carpodacus mexicanus com - 8200
 Empidonax a few spec. 7500-8000
 Selosphorus rufus 1
 Coturnix richardsoni com
 Parus gambeli "
 Dendroica auduboni + yg. abn. 10000
 " townsendi
 Piranga ludoviciana com
 Sialia abn
 Troglodytes

Nucifraga 3 heard at 8000
 Oreospiza com
 Hydrochelidon ?
 Merula migratoria pes - 4
 Bubo - heard + feathers pond

Aug. 19 Bluff Lake

Passerella
 Cyanocitta - 9150
 Spinus pinus
 Melospiza c. lutescens 7500-8000
 Wilsonia pusilla
 Calypte atrona
 Pipilo megalonyx 1
 Sphyrapicus thyroides 1
 Troglodytes com. yg. 10000-8000
 Colaptes
 Tachycineta thalassina

Aug. 20 to Dry Lake

Cyanocitta 6 at 7300
 Aphelocoma - 6200
 Chamaea "
 Buteo b. calurus 2 at 6000

Aug. 21

Nucifraga 9000-10000 a few
 Junco abn - 11400
 Aquila chrysaetos 3 2 at 11500
 Chordeiles virginiana com 9000

Aug. 22

Cinclus 2 at 9000
 Metallurus 1 at 8000
 Cyanocitta - 9100
 Hydrochelidon 1 at 8000
 Venus americana a pair at 8000

Aug. 20

Quercus californica 7300

Cercocarpus ledifolius "

Cornus ~~sp.~~ occidentalis "

Amelanchier a. venulosa "

Populus angustifolia "

Rosa

Bear Valley 7250

Summit 7500

Upper Sonoran 6500 SW

Bottom of slope 6200

Santa Ana R. 5400

Artemisia tridentata 5400-6000

Bigelovia canescens " 5600

Opuntia occidentalis few at 5500 SW

Amorpha californica 5400-6000

Libocedrus 5400-

Arctostaphylos patula 8000-9500

Holodiscus 8000-10000

Head of S. Fork 8000

Pinus muricata 8000-11500

Ribes cereum 8000-9500

Pinus flexilis 9000-10000 NE

Dry Lake 9000

Hudsonian 1000 SW - 11480 NE

Bryanthus breweri 1000 NE - 11000

Ranunculus " - 11480

Stipa composita " "

Hieracium " "

Coryx 10000-11000

Sibaldia procumbens 11000-11480

Helianthus ? " "

Aster? yellow " "

Grass Festuca minor? 10000 "

" Setaninum rigidum " "

Antennaria alpina 11000 "

Eriogonum caespitosum " "

Phlox douglasii 11200 "

Ranunculus 10000 "

Ribes 11000 "

Oxypetalum " "

Senecio minitella " "

Dry Lake

Artemisia low

Aster

Eriogonum

Trifolium

Cynopterus

Catalpa

Eriogonum

Aug. 22 down

Juniperus occidentalis 1 at 8700 NE

Chrysothamnus - 8500

Head of S. Fork 8500

Sambucus - 8500

Aug. 25 Bear Lake

- Podilymbus com
- Fulica 2000
- Euphagus 3
- Sturnella com
- Otocoris 2000
- Falco sparverius 13 seen
- Sialia mexicana ^{occidentalis} com
- Spizella "
- Amphispiza nevadensis com
- Colaptes cafer "
- Godwits 100
- Oxyechus vociferus 10
- Tringa small 6
- Fringilla macularia 6, com
- Sayornis saya 1
- Soble
- Oreortyx 12 in west pines
- Aphelocoma com
- Cyanocephalus "
- Nycticorax mexicanus 1 seen
- Baldwin Lake
- Colymbus auritus + yg com
- Podilymbus "
- Fulica + yg "
- Sesmeria alba 20
- Pitheculidon leucifrons - a few

Bear Lake

- Artemisia tridentata com
- " "
- Gnarrigica nuttiana? com
- Bigelovia tortifolia "
- Lupinus (Carpotaxus) "
- " silvius "
- Juniperus occidentalis "
- Pinus monophylla
- Juniperus californica
- Cercocarpus ledifolius
- Amelanchier a. uteriflora
- Bigelovia graveolens
- ~~Sayornis saya~~
- ~~Kuhnia glandulosa~~
- Soble & summit
- Ephedra antisyphalica - 7000
- Carex cuneatus "
- Andropogon inaequalis "
- Styrag "
- Yucca brevifolia "
- Cerus "
- Opuntia "
- Cerus engelmanni? "
- Tetradymia canescens "

San Bernardino Mts.

- Er. Odocoileus hemionus several
- A. ^{Spermophilus} Spermophilus n. anthonyi abundant
- E. Citellus beecheyi "
- R. Callospermophilus berlandieris "
- R. Eutamias merriami a few
- " callipeplus preinscon "
- R. Peromyscus sonoriensis "
- F. Neotoma "
- F. " "
- E. Microtus californicus "
- E. " m. berlandieris "
- F. Thomomys alvicolis "
- A. Perodipus traces
- H. Erethizon com
- H. Canis latrans, at Double "
- F. " a few "
- F. Urocyon com
- F. Lynx "
- F. Felis "
- F. Mephitis traces
- F. Taxidea traces
- F. Scapanus "
- F. Vesperugo fuscus com
- F. Myotis "

Redlands

- Eriogonum virgatum,
- Antennaria nudicaulis, tealote thall
- Artemisia barbata
- Ceanothus pauciflorus

Aug. 29 Redlands, Santa Ana Wash

- Juniperus calif
- Rhus ovata
- Rhamnus tomentella
- Erechtoides glutinosus
- Puccinphyllus
- Yucca whipplei

- Krynitzkia intermedia
- Aptodesma palmari
- Persea microcephala
- Eriogonum fasciculatum
- Hemlockia globosa
- Ranunculus polytachis
- Senecio douglasii
- Tetradymia squarrosa
- Aquilegia berlandieri
- " occidentalis
- Lupinus foliatus ?
- Baccharis viminea
- Corethrogyne virgata berlandieri
- Ersilia parviflora
- Baccharis viminea
- " enryzi (toward San Bernardino)
- Tetradymia squarrosa
- " canescens
- Helianthus annuus
- " graciliflorus
- Fragaria
- Sambucus californica
- Euphorbia albomarginata
- Chilopsis
- Atriplex canescens

Sept. 3 San Bernardino to Glen Ranch

- Eriosema farinosum - 2500
- " californicum
- Smilax douglasii
- Gutscheria diversicaulis
- Helianthus annuus
- Madia? (1247)
- Baccharis viminea
- Lycopodium squarrosatum
- Tetradymia ~~capitata~~ in wash - 5000
- Tetradymia ~~capitata~~ - 2500
- Artemisia californica
- Comanthrocyne berardiana
- Eriosema setigerum abn
- Croton californicus
- Amelanchier
- Opuntia occidentalis
- " berardiana
- Hesperis glabra
- Ranunculus polytachia - 350
- " stachysoides
- Eriogonum paucicaule - 5000
- Anemone
- Cucurbita
- Cuscuta - 5000
- Datura

1500 feet

- Adiantum parvifolium SW 2000-4000 NS 1500-6000
- Yucca whipplei " 6300
- Ceanothus crassifolius " 2000-4000
- " " 2000-4000

- Cercocarpus betulifolia 1500-5500
- Rhus trilobata " - 4000
- " diversiloba " - "
- Eriogonum glaberrimum " 6000
- Prunus ilicifolia " 5000
- Platimus
- Populus fremontii
- Juglans rostrata California 1500-
- Sambucus glauca " 7000
- Rhamnus crocea 1500-2000

2000 feet

- Aretostaphylos glauca 2000-3500
- Rhamnus ilicifolia " 5500
- Garrea polifera " 6300
- Psadotunga macrocarpa } S.W. 3000 -
N.E. 2000 - 4500
- Quercus dumosa N.E. 2000-4000
- " wislizeni " 6000
- Ceanothus diversicaulis (no 1258) " 6000

Glen Ranch 3260
Mrs. Applewhite

- Rhamnus californica com - 7000
- Aretostaphylos tomentosa - few - 5000
- Alnus rhombifolia - 7000
- Salix - 7000
- "

- Pinus ponderosa 4700 a few 5500-
- Abies concolor "
- Ceanothus thyrsiflorus 5000-
- Pentstemon tentaculosus "

Sept 3. up Lytel Cr.

- *Styrax?* 3300-6500
- *Leaythusthursiflorus* 5000-7000
- *Artemisia tridentata* " - 6500
- *Quercus chrysolepis* " - 7000
- *Pentstemon terosus* " - 6000
- *Pinus ponderosa* (separat 4700) 5500-7000
- *Abies concolor* " - 8500
- *Prunus emarginata* 5600-
- *Libocedrus* 5700-7000
- *Picea sanguinea* " - 7000
- " *curran* spiny 5500-7500
- *Ceanothus divergens* 6500-7500
- *Arctostaphylos manzanita?* 6000-6500
- *Pinus lambertiana* 6300-7500
- " *juffrayi* 7000-9000
- *Arctostaphylos patula* " - 9000
- *Cedropsis* 7000-9000

Summit 7700.

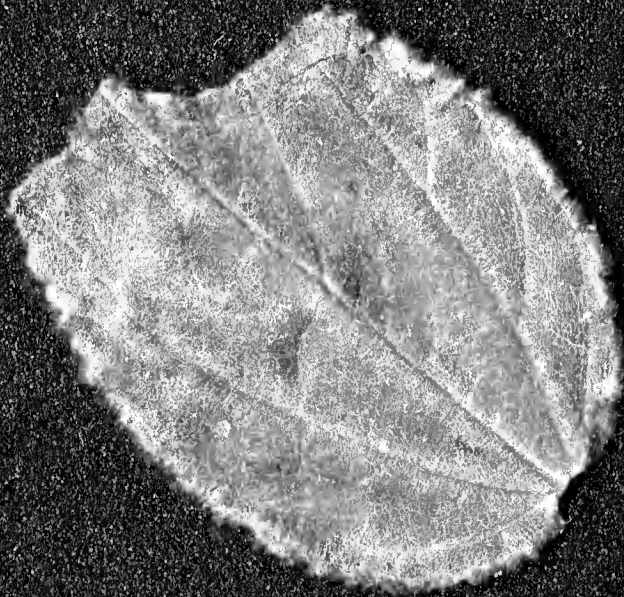
- *Pinus flexilis* 8000-10000
- " *murrayana* S.W. 8500-10000
N.E. 8000-10000
- *Cercocarpus ledifolius* 8000-9000
- *Rubus* blackcaps - 7000
- *Pteris* - 7000
- *Solidago* - "
- *Penstemon latifolius* " *speciosus*" - "
- *Chokeberry* 2y 6000-7000
- *Quercus wislizeni* - 6000
- *Heteromelus* 2500-3000
- " *Penaphyllon* 2000-4000
- *Lourea subopicata* " - 5000

Summit Sep. 4.

- *Adeostoma fasciculata*, abn
- *Arctostaphylos glauca* "
- *Quercus v. palmeri* "
- *Ceanothus cuneatus* "
- " *crassifolius* "
- *Yucca whipplei* "
- *Yucca brevifolia* abn 2 mi. N.
- *Quercus dumosa* com
- *Cercocarpus betulifolia* "
- *Artemisia tridentata* "
- *Eriogonum fasciculatum* "
- *Prunus ilicifolia* "
- *Rhamnus ilicifolia* "
- *Rhus trilobata* "
- *Quercus wislizeni* abn
- *Zinnia subspicata* com
- *Eudictiona glutinosa* ca
- *Baccharis 'hillebrandii'* (1212)
- *Medicago* (1262)



Cordelia 4 bushes
Ephedra woodiusii 1 bush



Sept 3. up Lytel Cr.

Q	<i>Styrax?</i>	3300-6500
A	<i>Leayothus thursiflorus</i>	5000-7000
E	<i>Artemisia tridentata</i>	" - 6500
	<i>Quercus chrysolepis</i>	" - 7000
R	<i>Pentstemon trachelium</i>	" - 6000
	<i>Pinus ponderosa</i> (spec at 4700)	5500-7000
R	<i>Abies concolor</i>	" - 8500
F	<i>Penstemon marginatus</i>	5600-
F	<i>Libocedrus</i>	5700-7000
	<i>Picea sanguinea</i>	" - 7000
E	" <i>circumspina</i>	5500-7500
	<i>Ceanothus divergens</i>	6500-7500
	<i>Arctostaphylos nana</i> (1262)	6000-6500
	<i>Pinus lambertiana</i>	6500-7500
	" <i>juffrayi</i>	7000-9000
	<i>Arctostaphylos patula</i>	" - 9000
	<i>Cedropsis</i>	7000-9000

Summit 7700.

	<i>Pinus flexilis</i>	8000-10000
	" <i>hurrayana</i>	S.W. 8500-10000 N.E. 8000-10000
	<i>Cercocarpus ledifolius</i>	8000-9000
	<i>Rubus blackcaps</i>	- 7000
	<i>Pteris</i>	- 7000
	<i>Solidago</i>	- "
	<i>Penstemon latifolius</i> "speciosa"	- "
	<i>Chokeberry</i>	6000-7000
	<i>Courcier wislizeni</i>	- 6000
	<i>Heteranthes</i>	2500-3000
	" <i>Penaphyllon</i> "	2000-4000
	<i>Lourea subopacata</i>	" - 5000

Summit Sep. 4.

	<i>Adeostoma pascuata</i>	abn
	<i>Arctostaphylos glauca</i>	"
	<i>Garuga v. palmari</i>	"
	<i>Ceanothus cuneatus</i>	"
	" <i>crassifolius</i>	"
	<i>Yucca whipplei</i>	"
	<i>Yucca brevifolia</i> abn 2 mi. N.	
	<i>Quercus dumosa</i>	com
	<i>Cercocarpus betulifolia</i>	"
	<i>Artemisia tridentata</i>	"
	<i>Eriogonum fasciculatum</i>	"
	<i>Prunus ilicifolia</i>	"
	<i>Rhamnus ilicifolia</i>	"
	<i>Rhus trilobata</i>	"
	<i>Quercus wislizeni</i>	abn
	<i>Zinnia subspicata</i>	com
	<i>Eudictiona glutinosa</i>	"
	<i>Baccharis 'pilifolia'</i> (1212)	
	" <i>Media</i> " (1262)	

Cordalea 4 bushes
Ephedra nevadensis 1 bush

Sept. 3 Glen Ranch

- Buteo elegans 1
- Aphelocoma
- Pipilo arcula
- Carpodacus frontalis
- Spinus
- Spizella arizonae
- Chondestes
- Habia melanocephala 2 com
- Vireo cassinii? heard
- Troglodytes 1
- Tamias 1
- Sialia occidentalis com.

- Parus gambeli com 4000-8000
- Sitta pygmaea " 700
- Cyanocitta " "
- Picicorvus heard 6500-8500
- Colaptes? " "
- Junco com " "
- Dendroica auduboni 6900-8500
- Castroville
- Geothlypis trichas 1 at 8500
- Regulus 1 " "
- Aquila chrysaetos 2 at 9000
- Falco mexicanus 1 at 8000
- Troctilus arua com 3300-7000
- Sayornis nigricans 1 at 3300
- Zenaidura 1 " "
- Taxostoma 1 " "
- Pipilo megalonyx 1 " "
- Amphispiza com 3300-6000

- Oreortyx com.
- Dryobates hyloscopus 3300-7000
- Cataptes " "

Summit

- Phainopepla 1 ♂
- Aphelocoma com
- Carpodacus "
- Amphispiza 2
- Zenaidura a few

San Gabriel Mts.

- Odocoileus a few
- Sciurus anthony " "
- Citellus richardi com
- Eutamias merriami 3300-6000
- " " spicivorus 7000-8500
- Neotoma
- Thomomys
- Lepus auduboni
- " badmani?
- Canis
- Urocyon
- Lynx
- Felis
- Scapanus
- Vulpes macrotis up to 8000

Banning Sept. 8

- Abutilon amplexans
- Alopecurus palmeri
- Erigeron douglasii
- Artemisia dracunculoides
- " californica
- Philoxera versata
- " pleurocarpa
- Eriogonum setigerum com
- Croton californicus a
- Quercus divergens?
- Tetradymia canescens
- Ephedra 3 leaved
- Corethroscopus prevardianus
- Gilia atraciloides
- Eriogonum elongatum
- " vimineum
- Opuntia fernandina
- " basilaris var.
- " ang. occidentalis
- Acacia greggii, abn.
- Eriogonum fasciculatum
- Hosackia glabra
- Eriogonum fasciculatum
- " californica
- Ranunculus stachysoides
- " polytaenia
- Salvia
- Baccharis ovina
- " serotina
- Leptocarpus squamatum
- Chilopsis

- Carex
 - Covillea
 - Acacia greggii
 - Salvia
 - "
 - Franseria dumosa
 - Ephedra
 - Opuntia basilaris
 - " californica
 - Yucca macrocarpa
 - Ranunculus canescens
 - Chilopsis abn.
 - Boottaria micropala com
 - " glaberrima
 - "
 - Eriogonum fasciculatum
 - " californicum
 - Carex angustata, abn.
 - Eriogonum fasciculatum begins
 - ~~Chilopsis~~
 - Isomeria arborescens
- Banning on foothills, Sat. 8
- Adiantum fasciculatum abn
 - Prunus ilicifolia com
 - "Zingia"
 - Eriogonum fasciculatum
 - Rhus ovata
- In Valley, Sat. 8
- Alopecurus palmeri com
 - (1213) u
 - (1214) u
 - Cucurbita 24.

White water Pannels

- Prosopis glandulosa* abn.
- Opuntia* sp. *sp. nov.*
- Echinosoma laevigata* com
- Thamnosma* "
- Eruca*

~~*Palaboxia flayi*~~
Sicoria canescens (Hall)

Barbarea *microphylla*
serotina

Bluegrass

Androsace

Juniperus

Androsace

Salazaria

Quercus dumosa

Juniperus

Ridge 2600

Mojave Valley 2100

Prosopis glandulosa com

subsericea "

Chlopsis "

Covillea "

Acacia greggii "

Procaulis "

serotina

Chlopsis

Daphne

Opuntia schroederi com

basilaris "

Echinosoma laevigata "

Cercus engelmannii "

Yucca "

Salsola "

Salazaria inflata "

Transecta "

Microsphaera inflata "

" "

" "

Yucca glauca "

Croton californicus "

Yucca brevifolia 3100-

Juniperus californica NE 3000-

Prunus " 3000-

Quercus dumosa " "

Dwells 3300

Warrens Well 3100

Yucca brevifolia abn

" *ubovensis* "

Opuntia erinocarpa "

" *leptocaulis* "

Cercus engelmannii "

Covillea "

Deceia greggii "

Chlopsis linifolia "

Prosopis glandulosa com

	Ephedra	2	abn
	Salizaria		"
	Coleogyne		"
	Lysosium andersoni		"
	"	big leaf	"
	Gutierrezia	veg	"
	Aplopappus ?		"
	Zinnia canescens		"
	Encelia farinosa	dwarf	"
	"		"
	Cleome	leafless	"
	Eriogonum fasciculatum	dwarf	"
	"	inflatum	"
	"	nodosum	"
	Salvia		"
	"		"
	Hosackia glabra	com. in places	"
	Croton californicus	"	"
	Quercus grisea		"
	Ailanthus rigidum		abn.

on ridges, N slope

	Juncus californicus	
	Quercus dumosa	
	Arctostaphylos glauca	
	Audubertia	
	Eriogonum fasciculatum desertum	
	Coleogyne ranocissima?	
<u>Birds</u>		
	Archibuteo	4
	Falco mex	2
	"	5
	Zonotrichia gambeli	abn
	Zenaidura	"
	Bubo	1 heard
	Sayornis	1
	Sayornis californica	1
	Cathartes aura	on ridge
	Corvus sinuatus	1
	Xanthocephalus	1
	Euphagus	1
	Agelaius	2
	Carpodacus frontalis	4 or 5
	Amphispiza bilineata	com
	Otocoris	abn
	Sialia	seen
	Psaltriparus	"
	Parus gambeli	1
	Helminthophila	com

Winters

- Coccyzus cooperi* 17 on fence
- Buteo calurus* 2 "
- Barn owl 2 "
- Sparrow hawk 2 "
- Night heron 2 "
- Ardea herodias 1 dead
- Cornus amomum* 1 "
- Zenaidura macroura* 1 com
- Spizella* com
- Hirundo* a few
- Coccyz sinuatus* 3 or 4
- Sturnella* com
- Quercus* 4
- Heliohelix* a few
- Heliodytes* 1
- Dryobates s. bairdi* 2
- Sayornis nigricans* a few
- Zonotrichia albicollis* (taken, com)
- Morone* head
- Xanthocephalus* 1
- Lophortyx gambeli* obs
- Neotocorys* com
- Querquedula* 2
- Dryobates s. bairdi* 1
- Heliodytes* com
- Zenaidura* com
- Campylorhynchus b. nevadensis* a few
- Heliodytes*
- Hirundo* a few at Warren

Plant Catalogue 1907

Santa Ana Mts. Coldwater canyon
1188. *Ribes amarum* (C) fuzzy

1189. *Arctostaphylos*

1170. *Ceanothus*

Zenuseal, July 25

1191. *Opuntia bernardina*

1192. *Juniperus monosperma*

1193. *Rhamnus crocea*

1194. *Rhamnus ilicifolia*

Idylwild

July 30

1195. *Adeucostoma sparsifolium*

1196. *Arctostaphylos manzanita* 5000-5500

1197. " *p. drupacea?* 5000-6500

1198. " *glabra* 4000

1199. " *tomentosa* 2500-5000

1200. " *patula?* (3100-9300)
Aug 5

San Jacinto Mts.

1201. Ribes nevadensis (C) 8000 - 8400

1202.

1202. " Cereum (C) 8000 - 10000

1203.

1203. " montigenum (C) 9000 - 9500

1204. Heuchera 11800

1205. Ceanothus cordulatus - 9500

1206.

1207. Ceroacarpus "pubescens" 8000

1208. " boliphilus? 8824

1208. Ribes nevadensis (C) 4300 - 6000

Hybrid of Aug. 8

1209. Ceanothus integrifolius Hybrid

Hybrid

X 1210. Ceanothus cuneatus, Aug. 13, 2000 - 5000 feet

San Jacinto Aug. 14.

1211. ~~Podocarpus~~ squarrosus leafless

1212. ~~Barbarea~~ linearifolia

Ericaceae pinnifolia

1213. Hebe florabunda

1214. Chryopsis sessilifolia

1215. " ~~Emilia~~ shrubby suffrutescent

1216. Santal wood at San Jacinto sp.

1217. Spiny blue flowered wood

1218. Cheiride

1219. Onoclea fern

San Bernardino Mts. Aug. 21-26

1220. Ribes aureum (C) 9000 feet

1221. Ribes sanguineum nevadensis (C) 6000

1222. Ribes rozli (= unicum) (C) 6000 very spiny

1223. Ribes montigenum (C) (= unicum) 11480

Top of Graybock 11480 feet

1224. Heuchera elegans

5 Erigeron Kennedyi

6. Astragalus Oxytropis orophila

7. Draba coccinea

8. Silene ~~prostrata~~ pulchra

9. Phlox filica purpurea - a form of.

1230. Saxifraga hircosa capitata subulifera

1 Antennaria alba media

2 Erigeron compositis discoides

3 Erigeron concinnus aphanactis

4 Antennaria media

Top of Grayback

1235. ~~Helianthus~~ vestata pygmaea

6. Ranunculus oxigenotis

7. Grass Festuca minor

8. ~~Sedum~~ ^{Sedum} rigidum

~~Sedum~~ Side of Grayback

1239. Bryanthus breweri 10000-11000

Bear Valley

1240. Amelanchier 7000

1241. Cereocarpus ledifolius "

1242. Populus angustifolia "

1243. Artemisia tridentata "

4. " Rothrock's oval "

Bear Valley, east end - 7000

1245. Gutierrezia ~~cuttana~~ lucida

6. Audubertia ~~compacta~~

7. Ceanothus cuneatus

8. Cowania nigrifera

9. Ephedra virida

Bear Lake

1250. ~~Caryophyllus~~ ^{Caryophyllus} tortifolius

1. Gutierrezia

2.

S. Slope of Mts.

1252. Bigalovia "comosa" 6000 ft

Bear Valley, east end

1253. Juniperus occidentalis 7000 ft

San Bernardino Mts. S. slope

1254. Arctostaphylos tomentosa 6000

1255. Arctostaphylos glauca? 4000

1256. Ceanothus thursiflorus 6000

1257. Ceanothus ~~cordulatus~~ ^{cordulatus?} 5000

1258. Ceanothus cordulatus thorny 5000

1259. Ceanothus crassifolius 4000

1260. Ranunc (p. never) 4000-6000

Mentone Aug. 29.

1261. Corethrogyne v. bernardina topotype

1262. ~~Thymus~~ ^{Larrea} glandulosa

San Gabriel Mts. E. base San Antonio Peak

1263. Arctostaphylos 6000 ft

1264. Arctostaphylos potulca 7000

1265. Ceanothus divaricatus 7000

1266. Ceanothus thursiflorus 6000

Cajon Pass

1267. Ceanothus crassifolius 3000

Cajon Pass

1268. *Ceanothus* ~~crassifolius?~~ ^{leaf} 1200

1269. *Rhamnus crocea* 1200

1270. *Rhamnus ilicifolia* 2000

San Bernardino

1271. *Juglans californicus*

Redlands

1272. *Tetradymia canescens*

1273. *Rhamnus crocea*

1274. ~~*Rhamnus*~~ *tormentosus* or var.

Mohave Desert, Warner's Well

1275. *Simmondsia* *Frutgarum*

1276. *Arctostaphylos glauca*

1277. *Prunus andersonii* ?

1278. *Opuntia bigelovii*
~~*torrosa*~~
Moro Mission Creek

1279. *Opuntia tessellata* *navasina*

1280. *Opuntia basselaris* *navasina*

1281. *Opuntia echinocarpa*

Morongo Valley

1282. *Baccharis serotrochus*

Whitewater

1283. *Cereus engelmannii*

San Jacinto Valley, Sept. 19

1284. *Opuntia bernardinia*

Beauwont (4 mi. S.) "

1285. *Arctostaphylos glauca*

1286. *Ceanothus crassifolius*

Mt. Lowe, Sept. 25

1287. *Arctostaphylos tormentosa*

1288. *Quercus v. palmeri*

1289. *Ceanothus thyrsiflorus*

1290. *Eredition californica*

San Gabriel Canyon 2000 ft

1291. *Quercus undulata* ?

San Pedro

1292. *Isomeris globosa*

1293. *Rhus integrifolia*

1294. *Opuntia prolifera*

1295. " *occidentalis littoralis*

San Diego Oct. 12

- 1296. ~~Leptospartum~~
Baccharis sergiloides
- 1297. Baccharis sergiloides?
Baccharis sergiloides
- 1298. ~~Chrysothamnus~~ brachylepis

- 1299. ~~Aplopappus~~ gymnoclea monogyna
- 1300. Adolphia
- 11.

Tamul

- 1301. Quercus dumosa? ~~109~~

Dulzura

- 1302. Quercus dumosa
Cottonwood Cr.
- 1303. ~~Chrysothamnus?~~
Isocoma vernonioides
- 1304. Ephedra
- 1305. oval leaf

- 1306. Ambrosia shrubby

- 1307. ~~Chrysothamnus~~ ilicifolia?
Aplopappus (Agardii) squarrosa
Patrero

- 1308. Cercocarpus
- 11 9. Ceanothus crassifolius
- 1310. Ceanothus incanus?
- 11 11 " " patula"
- 2. Condalia

1313. Arctostaphylos bicolor

- 14. " ~~tomentosa~~
- 15. " tomentosa

16. " " Campo, 2600 ft

- 7. Garrya v. palmeri
- 8 Arctostaphylos wagneri
- 9 " "

- 1320. Ceanothus cuneatus
- 1. Rhamnus tomentella
- 2. Eudictyon glutinosum
- 3. Cercocarpus parvifolia 3900
Cuyamaca Mtn. Oct. 15-16

- 1324. Arctostaphylos
- 11 5. Ceanothus big green
- 11 6, 7, 8, 9, " "
- 1330. Ceanothus tomentosus?

- 11 1. " "
- 2. Arctostaphylos p. drupacea
- 3. Cercocarpus parvifolius
- 4. Symphoricarpos mollis
- 5. " racemosa

Cuyamaca to Tuben Oct. 17

- 1335. Symphoricarpos racemosa
- 11 6. Berberis
- 11 7. Ceanothus "pubescens"
- 11 8. " foliolosus

Mesa Grande, Oct. 17

- 1339. Styrax
- 1340. Fremontodendron

Santa Pasqual Canyon, Oct. 20.

- 1341. *Ceanothus tomentosus?*
- 2. *Cordalea*
- 3. *Ceanothus crassifolius*
- 4. *Cercocarpus glaberrima*

Poway Station, Oct. 21.

- 1345. *Ceanothus spinatus*
- 1346. *Rhus integrifolia*

Rosedale, near San Diego Oct. 21.

- 1347. *Ceanothus 'obovatus'*

Banning

- Lophortyx valliscola* abn
- Zenaidura* com
- Corvus sinuatus* a few
- Euphagus* com
- Sturnella* "
- Otocoris* "
- Myiarchus cinerascens* 1
- Amphispiza belli* com
- " *bilineata?* yg + dd. "
- Spizella* "
- Pooecetes* 2
- Chondestes* a few
- Pipilo sinicola* com
- Troglodytes*
- Hirundo* abn, 5 nests in one cavity
- Lanius* a few
- Carpodacus californicus*
- Quercus*
- Agelaius tricolor* 1
- Chrysomitris hesperophilus* com
- Mimus p. leucophaea* 1

Fernando, Oct. 29.

- 1400. *Opuntia* not *truncata*
- 1401. " not *occidentalis*
- 1402. *Ribes hesperum?* (conilla)

Banning

Apricots com. ~~60~~ portion
 Prunes " "
 Grapes " + winery
 Peaches "
 Pears com,
 Figs a few
 Olives " good
 Orange trees, a few, low & bare
 Almonds good, for market
 Walnuts a few, poor
 Pepper trees abn.
 Eucalyptus a few.
 Palms a few small,

Beaumont to San Jacinto Lake

Adiantum foeniculatum
 Quercus wislizeni
 " dumosa
 Rhus ovata
 " trilobata
 Sclerocarya
 Aretostaphylos glauca
 Prunus ilicifolia
 Rhamnus crocea
 Cercotulus crassifolia
 Fouquieria subspicata
 Fraxinus
 Atriplex canescens
 Eriogonum fasciculatum
 " elongatum
 Ranunculus polyactis
 " stachyoides
 Fraxinus
 Hosackia glabra
 Chilicothe
 Yucca whipplei
 " nobilis
 Pentstemon antiochioides
 Artemisia californica
 Faucheria californica
 Juniperus a few at Idyll
 Rhamnus ilicifolia a few

San Juan

- Eurocarpus setigerus*
- Croton calif.*
- Trichostema lanceolatum*
- Phytolacca virgata*
- " *phurocapa*
- Crotonoideus bernardina*
- Helianthus annuus*
- Artemisia dracunculoides*
- " *californica*
- Ambrosia*
- Cucurbita*

2 mi. West

- Opuntia bernardina* com
- Prosopis* a few

Pasadena, Sept. 23+24.

- Trichostema lanceolatum* - 1700
- Eurocarpus setigerus* - "
- Quercus agrifolia* - 2000
- " *wislizenii* - 7500 -
- Platanus californiana* - 750 -
- Platanus rzedersiana* - 4500
- Artemisia californica* - 2000
- Ranunculus polytachia* - 4000
- " *stachyoides* - "
- Hesperis matronalis* - 2000
- Hesperis* - 1800
- Gnaphalium* - 3000
- Escholtzia* - 1500
- Ptilocarya virgata* - 1800
- " *phurocapa* - "
- Eriogonum elongatum* - 4000
- Opuntia occidentalis* -
- Senecio douglasii* - 3200
- Helianthus annuus* - 1500
- Eriogonum fasciculatum* - 3000

Up Mt. Snow Sept. 24.

- *Onoreus agrifolia* - 2200
- " *wisliginii* 2000 - top
- " *leucosa* 2200 -
- " *chrysolepis* 2000 - top
- *Platanus racemosa* 2000 - 5000
- *Rhus laurina* 1500 - 4000
- " *ovata* 5000 - 5400
- " *trilobata*
- " *diversiloba* 2000 - 5000
- *Rhamnus californica* 2000 - 5500
- " *ilicifolia* 2000 - 5400
- *Ceanothus divaricatus* 2300 - 5500
- " *crassifolius* 2000 - 4000
- *Sambucus glauca* 4000 - top - 2000
- *Adenostoma fasciculatum* 2000 - 5400
- *Ranunculus polytachia* - 4000
- " *stachyoides* - 4000
- *Dipsacus longiflorus* 4000 - 5500
- ~~*Hesperis matronalis* (purple)~~
- *Hesperis* 2000 - 4500
- *Arctostaphylos tomentosa* 3000 - top
- " *glauca* 4000 - 5200
- *Garrya* 3000 - top
- *Lonicera subspicata* " - "
- *Yucca whipplei* " - 5400
- *Zauschneria californica* 2000 - 4400
- *Arceuthobium peruvianum* 3200 - 5500
- *Pseudotsuga macrocarpa* 2000 - top
- *Umbellularia* 2000 - "
- *Prunus ilicifolia* 3500 - 5400
- *Eredition tomentosum* 3500 - 4500
- " *glutinosum* " - 5400

Open Alpine tundra 4500

- *Adiantum macrophyllum* 2000 - 4500 -
- *Pentstemon tomentosus* 4000 - top
- *Pentstemon* wide leaf " - "
- *Ribes spina* N. 5400 -
- *Holodiscus* N. " -
- *Hemerocallis* (small) " - "
- *Pinus monophylla* - 1 on top
- *Ceanothus tomentosus* 2000 - 4000

Mt. Snow

- *Adiantum* 2000 - 5500 ft
- *Senecio nigripes* " 54500
- *Citellus beecheyi* " 5 top
- *Eutamias merriami* " 2000 - top
- *Neotoma*, varies at 4500 - 5500
- *Urocyon* tracks to top

Arroyo Seco Sep. 27, 1100

Top 5500

- *Quercus berberidifolia* - 1200
- " *occidentalis* - "
- *Leptospartum squarrosum* - 2000
- *Quercus agrifolia* - "
- *Ranunculus polytachia* - "
- " - "
- *Asteriscus californicus* 2000
- *Hesperis matronalis* "
- *Sambucus* "
- *Senecio douglasii* "
- *Baccharis viminea* 1500
- *Mertensia glauca* - 1200
- *Rhamnus californica* 1200 - Top
- *Vitis* "
- *Rhamnus discolor* " Top
- *Prunus virginiana* " "
- *Alnus* " - 7500
- *Salix* "
- *Alnus* E. 1200 -
- *Populus trichocarpa* "
- *Ceanothus tomentosus* "
- *Cercocarpus pauciflorus* " Top
- *Endicottia tomentosa* "
- *Rhamnus tomentosa* "
- *Ambrosia* "
- *Rhus ovata* "
- *Diplopia longifolia* "
- *Ceanothus crassifolius* -
- *Lonicera*

- *Quercus agrifolia* 1400 - Top
- *Pseudotsuga* " "
- *Hesperis matronalis* "
- *Rhus malvifolia* 1300 -
- " *spiny?* "
- *Menyanthes corymbosa* "
- *Protophyllis tenuis* " Top
- " *glauca* " "
- *Ceanothus divaricatus* 1000 - "
- *Cercocarpus* "
- *Pteris aquilina* " 7500
- *Quercus dumosa* 1200 -
- *Berberis fendleri* "
- *Artemisia rigida* "
- Switzer's Camp 3000
- *Rhus trilobata* "
- *Pinus contorta* " N.E. 3000 -
- *Bigelovia grandis* " - Top
- *Ceanothus serrulatus* " "
- *Pinus contorta* N.E. 3000 -
- *Libocedrus* said to be on N.E. slope

Arundo donax
Chamaecrista
Papilio remicula
Dendroica auduboni
Abelocoma
Leptostichis calif
Quercus agrifolia
Platanus
Psittacula euphorbia
Sagorinus myricinus
Psittacus
Cedrus
Cathartes
Cyanocitta 1600-
Polyphila 2000-
Pipilo megalonyx
Centropus richardsoni 1,1500-
Euphonia 1 1000-
Colaptes auratus "
Oryzopsis nuttalli 1 of 3500
Cinclus 1 " 1500
Certhia " 3500-top
Quercus intermedia 2,4000-
Geococcyx nests to 5500
Toxostoma a few 1200-3500

Sept 28, Colby Camp 3500,
 La Janga Cr. 3200.
Pinus contorta 3200-6100
 " *ponderosa* 1 tree at " ~~2000~~
Pseudotsuga ~~varia~~ " - 5500
Artemisia tridentata " - 7000
Ceanothus cuneatus " - 5000
Quercus wislizeni " - 5500
Pinus ponderosa 5200-8000
 " *jeffreyi* " - "
 " *tanacetifolia* " "
Libocedrus divaricatus 5300-7700
Solidago californica " - 7700
 Sept. 29, to Buckhorn
Abies concolor 6000-8000
Acer glaberrimum " -
Cercocarpus ledifolius " - 7500
Thuja in cold gulch " "
Amelanchier " 6500
Crotophaga v. virgata? "
 " *potula* 6300-7500
Ceanothus cordulatus " "
Nyctelia 6000-
Bifloria "
 " "
Ceanothus n2 7000-7500
Pinus flexilis? " " - 8000
Ribes sanguinum 6000-7700
Lupinus silvery 7000-8000
Sambucus 6000-7500
Holodiscus - 7800
Rubus nutkanus 8500-10800

~~Sept. 30 Buckhorn to Lake~~
~~Quercus chrysolepis~~ - 7500 ⁵⁴

La Jungs Canyon 2p. 28

Timna thurberii	afew	3200-5500
Zonotrichia		a few
Aphelocoma		com
Pipilo megalonyx		com
Chamaea		com all along
Perisoreus griseus	2	3900
Chrysomitris lawrencei		heard, at 4000
Sitta pygmaea	com	5200
" acrobata	afew	"
Cyanocitta		"
Dendroica auduboni		com
Syrnium nebulosum		heard 5500-

Sept. 28, to Buckhorn

Oreortyx	com.	a flock, 5500
Carpodacus	a few	"
Passerella	com	5500
Zenaidura	com	5600
Catalpa	1	5600
Melanerpes formicivorus	3, 1,	6000
Arctia		"
Neotoma	com	"
Myadestes	1	7000
Archibuteo	1	"
Aquila	1	7900
Accipiter cooperii	1	6500
Falco sparverius	1	8000
Helminthophila edata	1	6500
Selasphorus pallii	1	7000

Sept. 30 Bushhorn to Isip &

Kinglet	heard
Catherpes	1 at 6500
Junco	com
Dendroica auduboni	"
Corpodacus frontalis	1
Spinus pinus	heard at 7000
Passerella	com
Pipilo megalonyx	"
Buteo calurus	one at 7000
Aquila	1 "
Parus gambeli	com
Sialia occidentalis	"
Cyanocitta	"
Colaptes	"
Dryobates hylaescopus	"
Wilsonia	1 at 6500
Oreortyx	6 " 7000
Cyanoccephalus	heard at "
Thryothorus	" 7500
Glaucoideus	" 6500
Megascops	" "
Columba fasciata	2 at 7000

Sept. 30. Bushhorn to Isip

Quercus chrysolepis	-7500
Ceanothus cordulatus	-8000
Arctostaphylos patula	"
Ribes spumosa	-7800
Prunella	

over ridge to Cienega

Sept. 30. Down to Squirrel Run.

Artemisia tridentata	-6500
Yucca whipplei	-6500
Ceanothus divaricatus	-6000
Rhamnus calif.	"
Arceuthobium parvifolium	-5500
Quercus wislizeni	"
" " dumosa	5000
Arctostaphylos glauca	5500
" " mariantha? a few	"
" " torreyana	"
Pseudotsuga	-6000
Pentstemon tricolor	-5500
Prunus ilicifolia	"
Rhamnus	"
Adiantum	-5200
Ceanothus cuneifolius	-4000
<u>Squirrel Run 3300</u>	
Quercus agrifolia	-3300
Platanus	"
Salix	"
Alnus	"
Umbellularia	"

S Squiral Invs

* Praxynolotus, trees to 5500
 C Eutamias merriami - 6000
 J Citellus beecheyi - "
 M Neotoma house - "

S Toxicaria 60, 6000
 C Theropneves 2 of 4000
 C Dipilo pumila "
 L Lactaria "
 V Cathartes 3000
 E Sphyrapicus nathali 2000
 C Amphispiza belli 1000
 T Tophodites villeda 2000

Below Squiral Invs

• Heteronides 3300
 • Ranunc polytaehwa "
 • Toxicaria 3000
 • Rhus trilobata "
 • Lepidospartum squarrosa "
 • Opuntia occidentalis a few "
 • Ceanothus thyrsiflorus "
 • Tamara "

Runes

2000

• Ranunc Toxicaria -
 • Hosaekia glabra -
 • Stryogon fraxinifera "
 • Rhus taneria "
 • Baccaris virica 1200
 • Fraxinus a few "
 • Heterosheca floribunda 1000
 • Citrus californica "
 • Ambrosia "
 • Lascingia glandulosa "
 • Corithrogone bernardina "
 • Sideroxylon calif. "
 • Serrula bryceana 2000
 • Passeris hirsuta "
 • Juniperus californica 1000
 • Opuntia peruviana "
 • Eriogonum setigerum "

San Pedro, Oct. 6 - 8

Eremocarpus st *virgata* com

Croton calif - "

Baccharis? small, "

Madia? "

Polypogon *palmeri* "

Heterotheca floribunda "

Artemisia calif "

Lycium

Atriplex

Opuntia occidentalis

" *protifera*

Microrhiza glauca

Heliotropium curassavicum

Dalecarnia

Suaeda

Messembrium

"

Distachlis nudissima

Erioseba calif?

Wild mustard abn.

Marrubium vulgare "

Isomeris globosa com

Corethrospytis virgata com

Quasthalium

San Pedro

Bonaparte 1

Larus

Ardea herodias com

Numenius longirostris 3

Agelaius 6

Oct. 12 Sand Diego

- Platanus racemosa elongata
- Nicotiana glauca com.
- Sambucus "
- Heteromeles com.
- Rhus integrifolia
- " laevis
- " diversiloba
- Rhus crocea
- Eriodictyon tomentosum
- Lonicera subspicata
- Opuntia occidentalis
- " bernardina
- Artemisia californica
- Achillea
- Leptopappus
- "

- Baccharis viminea
- Rhus polystachya

- Asclepias glabra
- Graptophyllum
- Cnicus
- Baccharis?
- Yucca mohavensis?
- Isomeris
- Opuntia prolifera abn.
- Eriogonum fasciculatum
- " longatum
- Eriogonum siliquosum
- Zinnia laevis
- Hesperis

Stewart's R.

- Populus fremontii
- Salix n. vallicola
- " lasiolepis
- Quercus agrifolia
- Gutierrezia divergens
- Pithecia virgata
- Tamul Gulch = Steel Canyon

- Quercus engelmannii
- " dumosa
- Adiantum
- Arctostaphylos ~~truncata~~ ^{pedunculata}
- Rhus ovata
- Sesuvium virgata

Tamul Ranch

Oct. 13

- Dulquea
- Plucca borealis
- Cottonwood
- Pentstemon antiochioides
- Rhamnus ilicifolia
- " crocea
- Ceanothus sordidatus?
- " diversicaulis?
- " crassifolius
- Prunus ilicifolia
- Quercus dumosa
- " engelmannii
- " agrifolia
- Prosopis glandulosa, 1 bush

Arctostaphylos bicolor
 " *toментosa*
Cercocarpus parvifolia
 " *liberiparvifolia*

Yucca whipplei
Adeonastoma
Romneyi coulteri
Ephedra
Tetradymia comosa,
Rhus trilobata
Rhamnus ilicifolia

Arctostaphylos glauca
 " *manzanita?*

Erediction glutinoso
Astrucaria tetradentata
Ceanothus cuneatus
 Owl leaf bush

2600 ft
3900
S = Summit

Oct. 14, Campo
Eumeces aguilifolia S
 " *engelmanni*
 " *depressa* S
Rhus ovata S
 " *diversiloba*
 " *trilobata* S
Ceanothus divaricatus? S-1
 " *cuneatus* S
 " *crossifolius* S
Arctostaphylos manzanita? S
 " *glauca* S
Adeonastoma sp. S
 " *spicatum* S
Antennaria tridentata S
Rhamnus ilicifolia S
 " *tomentosa* S-1
Pyracantha ilicifolia S
Cercocarpus parvifolius S
Ephedra S
Yucca wotobensis, a little S
 " *whipplei* com. S-8
Opuntia occidentalis, a few or wobs
 " *berlandieri?* " S
Lonicera subspicata S
Garrya v. polveri S
Tetradymia comosa, a few
 " *canescens* " S
Gutierrezia divergens S
Chrysothamnus? S
 "

Sambucus S-
 Salix S-1
 " "
 Populus fremontii, cut out, S-1
 Rhamnus polyastochia, a few
 " "parvus" S
 Erriogonum psecvulato S-
 " elongatum S-1
 " dwarf S
 Noackia glabra S
 Rosa
 Solidago
 Prosopis glandulosa 1 S-2
 Symphoricarpos S-2
 Rhamnus frouri S

Oct. 15 Campo to Cayamaea

Adiantum sparsifolium abn-
 Chrysothamnus bigelovii 23500
 Symphoricarpos racemosa? 4000
 Pentstemon torreyi -6500

Cayamaea Top of Peak 6515
 Pinus coulteri a few at 4000
 " jeffreyi 4000 - top
 Libocedrus " - top
 Quercus californica " - "
 " chrysolepis " - "
 Alnus rhombifolia
 Cornus californica 4400-
 Ceanothus big, 4400 - top
 Prunus demissa 4200-5500
 Amelanchier alnifolia 4000-4500
 Erriogonum for "capitatum"
 " "dwarf"
 " "speciosum" - top
 Prunus marginatus 6000-

Abies concolor 5500 - top
 Pinus lambertiana " - "
 Symphoricarpos mollis " - "
 Ribes -6400
 Cornus nuttallii 1 bunch "
 Escallonia vulpina -top
 Ceanothus not touched "
 Actinostaphylos ^{drummae} ~~torreyi~~ 5000 - top
 Creosotus - "
 Rhamnus torreyi - "
 Prunus emarginatus 6000-

Oct. 18 Mesa Grande ^{top (4055)} Black Mt.

Quercus agrifolia
 " *engelmanni*
 " *dimosa* top
 " *californica*
 " *bigleaf*
Platanus
Arctostaphylos glauca
 " *tormentosa* top
Rhamnus tomentella "
 " *ilicifolia* "
Ceanothus incanus "
 " *foliolosus* 3500-"
 " "
Heteromeles Top
Rhus trilobata
 " *diversiloba*
Cercocarpus betulifolia mastop
 " *"glabrata"* mastop
Lonicera subspicata
Symphoricarpos racemosa
Eriogonum fasciculatum
Ranunculus polytachia top
Hesperis matronalis abn. - 3500
Sambucus glauca
Eremocarpus setigerus abn
Opuntia on rocks
Asterostroma pericentatum top
Garrya v. palmeri "
Ranunculus californicus "
 " *"pumila"* "

Yucca whippleyi - top
Fragaria "
Pinus coulteri "
Rhus ovata "
Chrysothamnus ~~tormentosa~~ "
Styrax
Psidium ilicifolia mastop
Woodwardia
Pteris aquilina
Artemisia californica
Rhus laurina - mastop
Fremontodendron com. at
Dudleya pulverulenta a few
Solidago californica com.

Oct. 18 Misa Grande

- Zophostyx valliada* abn.
- Colaptes cafer collaris* com.
- Dryobates*
- Melanerpes formicivorus*
- Colaptes auratus* 1
- Pipilo sinuatus* com.
- Zonotrichia* "
- Pipilo megalonyx* heard
- Aphelocoma* com.
- Carpodacus* "
- Hedymeles ruber* 3
- Baeolophus inornatus* 2
- Psalliparus* com.
- Ammodramus* top
- Zenaidura* 6 at water

Oct 19. To Rancho

Oct. 20. To Escondido

San Pasqual Valley

Oct. 21, To San Diego

Ceanothus etc

Oct. 23, To Los Angeles and

Banning

Oct. 24. To Whitewater & look
to Beaumont and

Riverside

Oct. 25, to San Bernardino

Oct 20 San Pasqual Valley

- Opuntia occidentalis* abn.
- Atriplex* *trifida*
- Helipenthes* *miss*
- "
- Arachnis* *virginica* big
- " *arthrodes?* a few
- Chrysothamnus*
- Heterotheca pterisifolia*
- Ptilonia pluricaulis*
- Leucostele* *tristis*
- Dracopis* *miss*
- Trichostema* *torreyi* *miss*
- Horsehoard

Oct. 27 Catalina Island

Rhus laurina big & com

" *integrifolia* "

Heteromeles "

Lonicera subspicata "

Rhus diversiloba, on rocks

Artemisia californica com.

Zauschneria californica "

Opuntia littoralis "

" *occidentalis*

Oct. 28 Ferrarado, Laguna Wash.

Opuntia berlandieri? abn

" *occidentalis*? "

" small pads "

Platanus com

Sambucus "

Juniperus californica "

Rhus laurina "

" *integrifolia* "

Yucca whipplei "

Eriogonum fasciculatum "

Artemisia californica abn.

Baccharis viminea com

Leptospartum squamatum abn

Ranunculus stadioides com

" *polypetalus* "

Hosackia globosa "

Gutierrezia divaricata? "

Arctostaphylos glauca a few

Eriodictyon tomentosum com

Senecio bigelovii "

Ceanothus crassifolius a few

Rhamnus crocea com

Atherosolites a few

Thectaria glauca, common in places

Pseudotsuga macrocarpa - on hills

cones in wash.

Valley out of Wash -

Eriogonum setigerum abn

Oroton californica "

Triebastema lanceolata "

Ambrosia fig com

Krynitzkia "

Horseshoe

Helianthus annuus

Aphelappus palmeri

Oct. 29

Juglans calif. along washes

Oct. 30 2 tunnels

Juglans californica along wash

Quercus agrifolia on foothills

Olives - fine, abn.

Oranges abn. good.

Oct. 29, Santa Monica Mts. + foothills

- Platanus racemosa ^{along}
- Juglans californica
- Quercus lobata, a large patch
- Rhus laurina
- Eriogonum fasciculatum
- Artemisia californica
- Ranunculus polytachus
- " stachyoides
- Opuntia occidentalis
- " littoralis?

- Eriogonum antigerum
- Aptropappus palmeri?
- ~~Horobond~~
- Trichostema
- Iptosiphon squarrosus in washes
- Quercus dumosa
- Rhamnus ilicifolia
- Adeostoma
- Ceanothus "glabra" sp. nov.
- Rhus ovata
- Tonina subspecta
- Ranunculus "nivea" "
- Zauschneria californica
- Quercus agrifolia
- Heteromeles
- Ribes nuxsei?
- Malvastrum fasciculatum
- Ceanothus cuneatus
- Cercocarpus glabra

opposite Fernando

- Prunus trifolia com
- ~~Chorizanthe~~ ^{Baccharis} ~~arborescens?~~ ^{pillularis?} 1 bush
- Yucca whipplei com.
- Rhus diversiloba "
- Diplazium longifolium "
- Rosa along wash
- Ferns - 3 kinds

Fernando Valley

- Citellus beecheyi com
- Neotoma macrotis? "
- Thomomys "
- Perodipus "
- Taxidea holes + tracks
- Lepus bachmani? tracks
- Canis coyote "

Saugus Oct. 30 + up canyon -

Valley species

Eriogonum sibiricum obs

Croton californicus "

Trielostema

Horobard

Senecio bigelovii

Opuntia longburnii

" bassalensis

" rotundifolia

Quercus lobata com.

" agrifolia

Baccharis viminea

Lupinus squalidus

Quercus divaricata?

Platanus racemosa

Atriplex canescens

Juglans californica

Populus fremontii

Sambucus glauca

Eredition tomentosum

Salix

Aplopappus pedunculatus?

Crotogeomys merriami big

Opuntia small pod

Medicago lanuginosa

Datura

Atriplex floribunda

Pinus borealis obs

On ridges + up canyon

Quercus engelmannii

Arctostaphylos glauca

Juniperus californica

Rhus ovata

" trilobata

Carathus cuneatus

Rhamnus crocea

Prunus ilicifolia

Prunus

Adeostoma fasciculatum

Eriogonum fasciculatum

Ranunculus polystachius

" stachyoides

" nivea

Hosackia globosa

Artemisia californica

" tridentata

Lonicera subspicata

Yucca whipplei

Gambusia microphylla

Rosa

Ceanothus crassifolius

Caulis

Oranges

Pomegranates

Olive

Apples

Castor beans

Eucalyptus

Medicago glauca

Peppertree

Oct. 31 Santa Barbara

Quercus agrifolia 0 - 1600
Platanus 0 - 1200
Sambucus glauca ²⁰⁰ rip fruit 1000
Salix
 "
Rhus laurina 200 - 500
 " *integrifolia* 200 - 500
 " *divinifolia* 300 - 2500
Carothus 'globos', ep 200 - 2500
Rhamnus crocea 200 - 1000
 " *californica* 200
Artimisia californica 200 - 1200
Baccharis pillularis? 200 - 400
Heteromeles 400 - top
 Forest Res. Post 5000?
Ranunculus polyactis 300 - 500
 " *"angustifolia"* " "
 " *strobiliferus* 500 - 2000
Cercocarpus galea
Carothus macrocarpus " - 3000
Quercus douglasii " - top
Adiantum " - "
Diphysa 600 - 2500
Quercus 900?
Prunus ilicifolia 700 - 3700
Hosackia globosa " - top
Molvastrum fasciculatum? "
Lonicera subspicata 900 - 2500
Umbellularia 1000 - top
Carothus tomentosus? " - top

Miss 1000?

Arctostaphylos rigida 1000 - 3900
Arctostaphylos tomentosa? 1500 - top?
 " *glauca* 1600 - 3600
 Ridge above road 2000
Pinus coulteri " - top
Eredition ~~frankiae~~
 " - 3900
Garrya " *globata* 2500 - top
Quercus laevis 2500 - "
Thyrox 3000 - 3500
Cercocarpus betulifolia " - 3700
Rhamnus ilicifolia " - 3200
Xylothermia montana
Adiantum sp. nov. 3300 - top
 " *crassifolius* " - "
Arctostaphylos " - "
Yucca whipplei " - "
Quercus chrysolepis 3500 - 4000
 " *densiflora* 3700 - 4000
Chrysantha "linearifolia" 1. 3900
Rhus ovata 2000 - 3700
Eriogonum fasciculatum 300 - "
Rhamnus tomentosa 1600 at "
Ribes sanguineum 1 2500
 " *menziesii?* 1 600 - 1000
~~*Platanus*~~ *Fraxinus dipetala* 2000
Garrya *v. puberula* "
Alnus - 1000
Quercus macrophylla - "

H. T. Blake, Oceanside, hotel

Mrs. B. W. Murry, San Diego

~~New York~~
American Hotel

Miss G. V. Blaine

2428 Pine St. San Fran

Mrs. C. E. Brock, Santa Ana

519 - 4th St

Mr. T. E. Ellis, Elsinore

Att. Willits, Hemet

W. L. Abdill, Idylwild

C. O. Barber, Banning

brother-in-law of Misses Roth

Altavista Hotel, Banning

Bennett, caught 90 coyotes

Plainville, Minn.

L. M. Bothwell, cook + packer

Westchesterfield, N. H.

Thurman, Bluff Lake

Roger S. Palmer

North Pomona

George Robertson, botanist,

Mentone - Surf journals + D.V. Rpts.

William Sikola, for coyotes

Redlands, skulls 25, skins \$1.50

S. G. Howard

Redlands wants to get coyotes

Dr. H. G. Alwood, Riverside

operat house block

Walter L. Richardson

120 Arroyo Drive, Pasadena

Chas. H. Richardson (Summit 2392)

48 N. Wilson Ave, Pasadena,

Francis E. Leupp

U.S. Com. Indian Affairs

W. W. Morria, 3749, 4th St.

E. W. Colby, Pasadena, box 324

Mrs Chas. Curtis

2103 Thompson St. For Angeles

H. T

Mrs

At

Miss

24

Mrs.

Mrs.

At

W.

C. O. P.

bi

Altal

Plain

L. P.

Wes

Rog

Geo

Me

Will

Rid

S. C.

Rid

Dr. H.

op

2590 1/4

Walter, Missouri

Mrs. Adeline Williams

Secretary of the State

Telephone

Mrs. J. L. Dole

2008 1/2 S. Main St.

Mill Flamingo

Sevier City

Mrs. E. L. Jackson

Redlands, 909 W. 5th St.

Dolt Kolb, Banning

For Vance of Queer, see
German Seed Co., Los Angeles.

Dr. Wm. B. Bitt
5th + Wall Sts. Los Angeles

For J. L. Williams get off at
Pasadena on Santa Ana and
go N.W.

3215

Red Bluff, 445 1/2 1st St.



Santa Cruz Mts. Oct. 31

Aquila	2 at top
Falco sparverius	1
Aphelocoma	com
Chondestes	com
Psaltriparus	1
Catherpes	2
Pipilo fuscus	com
Melospiza	a few
Carpodacus	"
Astrogalinus	a few low down

Scarus nigerus heard at 3000
Eutamias merriami 700 - 4000
com.