

1908 no. 1.

New Mexico

Arizona

Vernon Bailey

Washington, D.C.

1908

July 11, Washington to Norfolk, Va.
July 12 Norfolk to Va. Beach

Liquidambar	abu.
Nyssa	"
Pinus taeda	"
"	"
" virginiana, a few near Norfolk	"
Juniperus virginiana	com
"	"
Quercus virginiana, com	"
" phillos?	com
" falcata?	"
"	"
"	"
Fraxinus	com
"	"
Azimina trilobata	"
Morus rubra	"
Myrica asifera?	abu.
Baccharis halimifolia	"
Rhus copallina	"
Passiflora incarnata	"
Aralia spinosa	abu.
Smilax	"
Campsis	"
Vitis californica	com
" rupestris	abu.
Sambucus	"
Rubus	2

Platanus a few
 Liquidambar "
 Prunus black "
 Sassafras com
 Acer a few
 Taxodium a few obs. Cr.
 just east of Lynnhaven
 Arundinaria - small
 Fagus a few near Norfolk
 Pteris caudata at V.A. obs.
 Houstonia missillanum?

Taxodium 1 big tree in
 edge of Norfolk.
 Fig - com, full of fruit,

Norfolk, July 12
 to Virginia Beach
 Mimus com
 Kruba atata "
 Cathartes aura
 Zenaidura 6 per
 Ardea herodias 2
 " Coccyzus 4
 Butorides virescens 1
 Colinus virginianus com
 Sturnella
 Agelaius? a few
 Cardinalis com
 Peucaea aestivalis, heard
 Geothlypis "

July 25 left Washington 5:30

Harpers Ferry
Dark

July 26 Zanesville, O.

Newark

Chicago 5 P.M.

" left 8 "

July 27

Kansas City 9 a.m.

Emporia

Nelumbo luteum 2nd E.

Syllphium laciniatum abn

Ziatis "

Rudbeckia "

Flournois

Euphorbia marginata abn

Lepus melanotis a few

Belts

Cynomys a few, first
half way to Lewis.

Lepus melanotis, com

Lewis

Dodge City

Short grass plains

Ayala, abn. on flats.

Yucca glauca, com

Mentzelia "

Artemisia filifolia? "

Cynomys "

Lepus melanotis "

Dark

July 28

Las Vegas 6:30

Dark

Merced

Sarcobatus abn

Atriplex canescens "

Gouania pallidum "

" *grum* "

Zosteris com.

Antirrhinum abn

Bignonia "

Fallugia parviflora

Santa Domingo

Albuquerque

Albuquerque

Populus		abu
Salix nigra?		"
..	wid leaf	"
Sarcobatus		"
Atriplex canescens		"
Suaeda	big	"
Baccharis		"
Chrysothamnus	big	"
Amaranthus		" a few
Alysicarpus		"
Blitoidia	green, leafy	"
Gutierrezia		abu
Dalea canescens?	on mesa	"
Eumecis douglasii		"
Yucca glauca		"
Opuntia clavata?		"
Chrysopsis grandiflora	a few	"
Croton texensis		abu
Cleome	big	"
Helianthus annuus		"
Heliopsis		"
Solanum	yellow	"
"	blue	"
Ammannopsis		"
Salt grass		"
Xanthoxylum		"

Interiors

Negundo		com
Morus rubra		"
Catalpa		"
Tamarisk		abu
Parkinsonia aculeata	a few	"
Ailanthus		com

Birds

Zenaidura macroura	599	1st
Passer domesticus	P.d.	abu
Sturnella	5016	"
Agelaius	498	"
Chelidon	613	"
Otocoris	474	1
Tyrannus verticalis?		3
Agelaius	273	a few
Hirundo solitaria	256	1
Zenaidura	316	a few
Tamias	622	1

Mounds

Citellus macrourus	com
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Uta stansburiana com
Phrynosoma macleayi 1

July 29 Albuquerque - NM.

Prosopis glandulosa, 5 small bushes near site

Site

Mimulus leucostictus 703 4

Chorizanthe 420 13

Zinnia 316 on

Zinnia 5016 -

Agave 498 -

Chelidonium 613 "

Ficus phalocera 360 2

Beless

Prosopis pubescens? a few in field

Prosopis glandulosa 2 small bushes edge of mesa

East of River - Mesa -

Dalea canescens abn

Gutierrezia "

Palmietes filifolius "

Yucca glauca on

293 Callispha squarata 1 branch of half grown young on mesa

Budae

Yucca radiosa? 3-6 feet

Agave good grass

Opuntia, a few flat top

Foothills, (Mesa) 5500

Prosopis glandulosa a little on hot slopes

Juniperus

Yucca baccata

Opuntia arborescens

Adiantum

Citrus

Pinus edulis 5700

Scholle

Abn

Mountain air 6600

Juniperus monosperma on

Pinus edulis

Gutierrezia

Opuntia arborescens

" white spined pod

Juniperus pachyphloea 7000

Pinus ponderosa "

Spenser Ranch 7200

Quercus undulata "

" gambelii "

Artemisia 6700

Tetradymia canescens 700

Spenser Mill 7500

upper Mill 7700

Mountain to Mills

Colaptes cafer 413 com
Lophophanes inornatus 733a "
Sialia mexicana 767 "
 " *arctica* 768 a few
Spizella arizonae 560 abn.
Pipilo arcticus 588 a few
Tachycineta thalassina 615 abn.
Aphelocoma 480 1
Merula migratoria 761 at Mill 1
Selasphorus rufus 433 com
Contopus richardsoni 462 "

July 30 up mts

Spizella arizonae 560 abn.
Junco 567
Sitta pygmaea 730 8000
Thrush 8600
Empidonax
Selasphorus rufus 433
Melospiza 5 ad, 18 yg 3/0 9800
Dendroica auduboni 656 9800
Merula migratoria 761 4
Contopus borealis 459
Sitta nelsoni 727c
Troglodytes 721
Habia melanocephala 1596
Melanerpes formicivorus 407 1
Dryobates hyloscopus 1393
Corvus sinuatus 486 5

Manzanero mts.

July 30 upper Mill, 7700
up gulch

Acer glabrum NE 8000-9700
Abies " 8000-9700
Robinia neomexicana 7800-9700
Berberis repens "
Ceanothus "
Populus tremuloides NE 8000-10000
Rubus red "
Pleurozium white 8500-
 " big blue "
Pseudotsuga 8400-10000
Opulaster 8600-10000
Delphinium big blue 9000- "
Helosciurus "
Pinus flexilis "
Symphoricarpos "
Sambucus "
Fragaria spiciosa "
Salix "
Quercus 7000-9600
Sorbus 1 9700

San Marcos July 30.

Populus wislizeni abn
Salix interior "
 " *nigra wrightii* "
Prosopis pubescens "
 " *glandulosa* "
Covillea "
Rhus microphylla "
Lycium "
Opuntia engelmannii ofav
 " *arborescens* "
 " *clavatum* abn.
Gutierrezia *arvensis* "
Phaca serotina com
Baccharis glutinosa "
Grindelia "
Yucca radiosa (law) "
Chilopsis a few in arch
Falugia com. in "
Opuntia *brunneifera*
 " *leptocaulis*
~~*Baccharis glutinosa*~~ *arvensis*
Atriplex canescens "
Ephedra *flus* "
 " *big green* "
Yucca baccata "
Opuntia *white spine* "
 " *fine* "
Flourensia cerulea "

San Marcos + on Mesa

Mimus lucifera 703 com.
Heliodytes 713 nests
Melanochorus 605 1 ♂
Passer derberstiensis P. d. com.
Dryotates bairdi 1 nest, 396
Olepis 474 1
Cathartes 325 1
Callipepla 293 3 com.
Tyrannus vociferans ⁴⁴⁸ com.
Chondestes ⁵⁷³ 3 com.
~~*Falco sparverius*~~ 360 1
Geococcyx 385 2
Lanius 622 2
Buteo b. calurus 337 3

San Marcial

Citellus epibornus herd, com.
Perodipus
Thomomys on flat
 " small on mesa
Dipodomys spectabilis " limited
Lepus texianus 2 " com
Neotoma micropus "
Lepus micrus "

Cnemidophorus
Cathartes? or *Holbrookia*
Phrynosoma
Sedoporus

Aug. 1 - below San Marcial

Populus
Salix 2
Prosopis glandulosa
 " *pubescens*
Baccharis glutinosa
Hymenocallis monogyna
Physcia brachy
Atriplex canescens
Covillea
Delea canescens
Artemisia filifolia
Ephedra, 1 big grass
Gutierrezia

Creeks

Yucca elata
Baccharis glutinosa
Covillea on S slopes
Mesquite low "
Thurmsia crenata

Engle

Same, little Lower Sonoran
 mostly yuccas & grass

Cutter

Same, more Salix & var
 Lower Sonoran

Kinross

- Prosopis glandulosa
- pubescens
- Chilopsis
- Yucca radiosa
- Covillea
- Populus wislizeni
- Salix interior
- Baccharis emersoni
- Ephedra biggiana
- Fouquieria
- Plumbago trichomanes
- Baccharis glutinosa
- 10 mi. below
- Lycium
- ~~Condalia~~
- Zizyphus
- Opuntia engelmannii
- Rhus microphylla
- Chrysothrix polycephala
- Prohadroneura

Dona Ana

Las Cruces
Mission Park
 same plants

Mission Park, Aug 1.

- Zenaidura 316 com
- Oryzopsis vociferans 273 1
- Lophortyx gambelii 295 head
- Tyrannus vociferans 448 a few
- Lanius 627 "
- Carpodacus frontalis 519 com.
- Quercus laevis 599 1
- Hirundo 613 abn.
- Chordeiles texensis 421 com.
- Auriparus flaviceps, stems 746
- University Coll.
- Mimus lucasii 703 com
- Sturnia virens 683 1 head
- Sturnella 5016 com

- Citellus s. arizonae spec.
- Perodipus ordii "
- Sigmodon bebbianus "
- Nepetinum "
- houses and stumps
- Gopher hills mounds

Aug. 2 to El Paso of Aug

San Jose

Antelope 4,
Dipodomys spectabilis, 4
Lepus texianus com
" minor "

Prosopis glandulosa, low,
Covillea in places
Yucca radiosa abn
F. leucocarpa com in places
Ephedra trifurcata abn
Zygophyllum com
Atriplex canescens, a little

Arroyo same

Deming

Chondestes
Hirundo 613 abn
Passer domesticus P. d. com
Tyrannus vociferans 448 com
Ceryle cyathoceros 487 a few
Otocoris 474 ~
Zenaidura 316 a few
Cathartes aura 325 2

Aug. 3 To El Paso City -
& back to Deming

Aug. 4 Deming 10: 4333

Prosopis glandulosa abn
Yucca radiosa "
Ephedra trifurcata "
Artemisia tridentata "
Flourensia cernua, local "
Zygophyllum "
Lycium arborescens "
" pallidum a few "
Atriplex canescens com
Hesperis "
Covillea 5 slopes, abn.
Gutierrezia "
" conules

Koeberlinia spinesa com.
Covillea 15 to 20 mi. abn
Flourensia "
Lycium arborescens "
Opuntia leptocaulis a few
Nolina pauciflora

Denning to Antelope Ranch

Tyrannus vociferans ⁴⁴⁸ a few
 Corvus cryptoleucus ⁴⁸⁷ com
 2 nests, 2 eggs, food.
 Buteo swainsoni? 2
 Otocoris 474 com.
 Sayornis saya ⁴⁵⁷ 1
 Oxyechus ²⁷³
 Callipepla 293
 Lanius 622

Waterbury Ranch

Aug 5
 Corvus cryptoleucus ⁴⁸⁷ com
 Buteo swainsoni 342 2
 Otocoris 474 com
 Melanerpes 605 20
 Lanius 622 1
 Speotyto 378 com
 Oxyechus 273 at tank
 Amphispiza bilineata, ^{573a} com
 Sayornis saya ⁴⁵⁷ 1
 Zenaidura 2 at tank ³¹⁶

Tank 48278

Toxostoma 1
 Campylorhynchus 713 4/5

Aug 5, Ranch 4600

Conium abun
 Flourensia u
 Lyxium u
 Ephedra u
 Kochelvis com
 Yucca radiosa u
 Opuntia schottii a few
 " leptocaulis u
 " longimantha u
 " distopneid u
 Yucca ~~radiosa~~ profer on edge

Quercus
 Tank, Tank, 48278

2000' level, 5000

Agave
 Echinocactus wislizeni
 Quercus
 Opuntia engelmannii
 Juniperus monosperma
 Solol
 Fouquieria
 Yucca microphylla
 Yellow bush - Cassia
 Microchloa reddes

Valley bottom 4700

Ridge 4800
 Hacienda 4575
 summit alt 4504
 aneroid set
 Valley bottom 4450
 Coriaria tomentosa obs
 Fouquieria 2
 Rhus microphylla "
 Ephedra "
 " Noebeolium "
 Lycium "
 Yucca rostrata "
 Yucca waiocarpa, waiocarpa "
 Mesquite "
 Spring 8 mi. 4800

Populus
 Agave
 Fouquieria
 Celtis
 Juniperus
 Yellow flower buds (Coccoloba?)
 Baccharis stipularis
 Salix
 Fallegia
 Mimosa biuncifera
 Opuntia schottii
 " leptocaulis
 " engelmannii
 Berberis
 Ptelea
 Nolana

Microchloa
 Chilopsis
 Zysium pallidum
 Eriogonum douglasii

Divide 5100
 Acaia constricta?
 Same old plants again
 Valley de Las Playas
 Camp - End Playa 4350

Aug. de Camp 4350
 Playa 4300
 Corvus com
 Bulio 2
 Oxyechus small
 Symphoricarpos ? 1
 Junco ?
 Lanius 1
 Anthodytes com
 Speotyto "
 Melanerpes "
 Otocorys "
 Quercus
 Salsola 2
 Zostera 1

Quercus
 Salsola 2
 Zostera 1

Valley de los Playas
 Prosopis glandulosa obs
 Zizyphus 1
 Kochelinia 4
 Atriplex canescens 4
 Populus at spring
 Salix " "
 Covillea
 Ephedra
 Guttierrezia
 Yucca radiosa
 Flouraria

Agave 45450m
 Mimosa biandrosa "
 Yucca baccata
 Stenotaphrum 15000m
 Nolana " "
 Opuntia schottii
 " engelmannii
 " leucostachya

Summit 5000

Animas Valley, 9
 mostly barren or grassy

Adobe
 Juglans major obs.
 Platano wrightii "
 Quercus muhlenbergii & arizonae "
 Bumelia rigida "

Camp n of Amias Peak

Aug		5800
Camp	7 am	5800
Quercus	emoryi	5500-6500
"	arizonica	"
"	hypoleuca	NE 5800-7000
Platanus	wrightii	5500-6500
Juglans	majors	5500-6500
Impatiens	manosperma	5000-6000
"	padryplora	NE 5800-7000
Cercocarpus	puberulentus	NE 5900-7500
Fragaria	velutina	" - 6500
Garrya	wrightii	5800-7000
Agave	palmeri	short 5500-6500
"	"	big
Nolina		5000-6500
Yucca	tall	5000-6900
Opuntia	schottii	5000 - 6000
Fallugia	paracoccinea	5000 - "
Cereus		"
Rhus	trilobata	5000-7000
Ceanothus	fendleri	5800 - "
Vitis	arizonica?	5500 - 6900
Pinus	edulis? cembrae	6000-7500
"	" 3 leaf	NE " 7500
Chamaejasme	complanata	" 5800
Symphoricarpos		"
Rattus	d. monaxius	big white NE 6200 7700
Solanum	tuberosum	" 7000
Fendlera	superciliosa	" SW 8000
Ptelea		6300-7900
Rosa		"

Pinus	chihuiana	NE 6500-
Quercus	reticulata	" 6500-7500
"	macrocarpa	" " 7000
"	macrophylla	" " "
Arctostaphylos	purpurea	" " 7900
Corbularia	arizonica	" " 7500
Rhamnus	puschiana	" 6600-7000
Fouquieria		" "
Prunus	salicifolia (black)	" 7500-
Water, 6750		
Quercus	monimicans	NE 6900-
Pinus	ponderosa	on ridge 6900-
Symphoricarpos	willisii	NE " - 7900
Pteris	aquilina	" " - 7000
Rosa	small	" " - "
Pseudotsuga		" 7000 - 8000
Pinus	flexilis	" " 8000
Populus	tremuloides	" " "
Yagoude		" 6900-
Holodiscus		" 7000-
Pinus	arizonica	ridge " - 7500
Anapha		6000-7500

Airinas Mts.

Aug. 7. Camp		5800
<i>Parus woolweberi</i>		com
<i>Salpinctes</i>		"
<i>Aphelocoma</i>		"
<i>Chondestes purpurei</i>		5
<i>Phalaenoptilus</i>		com
<i>Catherpes</i>		"
<i>Megascops</i>		"
<i>Glaucoideus</i>		1 heard
<i>Bubo</i>		1 killed
<i>Pipilo maculatus</i>		
<i>Melanerpes formicivorus</i>		1 per
<i>Colaptes auratus</i>		1 heard
<i>Vireo swainsoni</i>		5500-6700
<i>Vireo swainsoni</i>		1
up Canyon		
<i>Pipilo megalonyx</i>		6000-
<i>Merula</i>		6500-
<i>Thryomanes bewickii</i>		6000-
<i>Columba fasciata</i>	nest	6900-
<i>Setophaga ruticilla</i>	5	7100-
<i>Colaptes auratus</i>	2	"
<i>Empidonax difficilis</i>	1	"
<i>Cyanocitta stelleri</i>	com	6700-
<i>Carduelis rubrifrons</i>	1	7100
<i>Sitta pygmaea</i>		7700
<i>Selasphorus rufus</i>		abn 5800-
<i>Sitta</i>		
<i>Spizella arizonae</i>	com	5800-
<i>Junco phaeocephalus</i>	10	7500

Airinas Mts.

<i>Odocoileus columbianus</i>	Tracks	6900-
<i>Felis agrius</i>	"	6600
<i>Ursus</i>	sign + tracks	
<i>Eutamias dorsalis</i>		
<i>Citellus grammurus</i>		
<i>Thomomys</i>		
<i>Lepus holzneri</i>		
<i>Peromyscus</i>		
<i>Neotoma</i>		
"		
<i>Urocyon</i>		
<i>Canis macrotis</i>		
"	mex.	
<i>Ursus h. horreorum</i>		
"	atubiceps	
<i>Mephitis</i>		
<i>Spilogale</i>		
<i>Bassariscus</i>		

Aug 9, Camp 5800
Down to valley

Despalmis spectabilis - 5300
Cyanomys - 5300

Mimus leucoptera a few - 5500

Tyrannus vociferans 2

Chondestes

Aquila 1

Cathartes 2

Otocoris

Callipepla

Spizella arizonae

Troglodytes

Heliodytes 2 nests seen

Amphispiza bilineata 1

Aquila 2

Godwits 8

Teal, cirwan? 10

Tringa macularia 1

Oxyechus vociferans com

Helidromas solitarius 2

Speotyto

Buteo swainsoni 2

Falco platensis 1

Dover Valley Aug. 9
to 4800

Prosopis - 5700

Chilopsis - "

Bambusa

Trifolium

Salix 2

Morus

Gray Ranch 5200

To Bat Cave

Quercus arizonae abn

Quercus engelmannii "

Juglans regia a few

Fraxinus

Juniperus pectiniflora com

Panicum chihuense 1 nest seen

Pinus ponderosa, radiata

Robinia abn

Agave short leaf com

Yucca big 1 a few

Aug. 10 Gray Ranch 5000
 Antilocapra B. seen, com.
 interspersed 17 to 20, prob-
 3 go in valley
 Dipodomys spectabilis, in
 Thompson com
 Canis mex - "
 Canis marri 1 "
 Lynx baileyi - "
 Felis a few
 Urocyon
 Vulpes macrotis, adu.
 Nasua 1 killed a northward
 Taxidea, com.
 Felis onca 1 5 years ago

To Lang Ranch

Antelope 4
 said to be seen 30 to 40
 and 35 in bunches
 Canis abu. all along
 Dipodomys spectabilis, com
 Canis pallidus 1
 Lynx baileyi, said to occur
 Felis com
 Thompson 10

Aug 10 To Lang Ranch

Otocoris com
 Ammodramus "
 Sturnella 1
 Peucedan 1
 Falco phalaena 1

Ridge across valley 5200
 Lang Ranch 5100

Sigmodon
 Uta stansburiana 2
 Anolis 1
 Crotalus
 Dipodomys spectabilis

Eagle 8 lbs, 80 inches
 Crop full of heat over
 stomach a little

Aug. 11. Long Ranch 5100

Dryobates
T. hes. mexicanus 1
Buteo swainsoni 8
" *white* 1
Cathartes com
Agelaius 1
Otocoris com

Pipilo spilosoma 1
" *parvidens* 2

Amphisp. 1
Pass. 5000

Nolina
Opuntia acutata
" *lincolnii?*

Quercus emoryi
" *cinerea*

Yucca (this leaf)
" *macrocarpa* var. *laeta*

Prosopis juliflora 5 slopes

Agave palmieri
Mimosa biuncifera

Juniperus procumbens a few

Upper
Culbertson Ranch 5200

Platanus
Fragaria
Populus
Salix

Vitis
Bumelia
Fallugia
Prosopis glandulosa SW ✓
Yucca radiosa -
Chilopsis
Hymenoclea salsola

Callipepla
Zonotrichia
Amphisp. 2
Amphisp. bairdi 2

Pyrrhuloxia
Pyrrhuloxia vociferans

Mniotilta
Pipilo maculatus
Tyrus phaeus

Zenaidura
Cathartes
Heliodiastes 2
Mimus mexicanus com

Culbertson Ranch 5000

Chondestes
Geococcyx
Coccyz oryzivorus

Edge of valley 4850
High Loaves dome 4750

Aug 12, Hig Lonsome 4700

Felis mexicana a
Buteo swainsoni "
 " *calurus* "
Falco sparverius "
Vireo leucaptes "
Heliopsis "
Otocoris com
Melospiza 1
Coccyz oryzivorus com
Tyrannus vociferans "
Toxostoma a few
Zenaidura a few
Cathartes com
Paranga leucovirens 2
Geococcyx 2
Zenaidura a few
Amphispiza bilineata "
Toxostoma palmeri 1
Sayornis subvirens 1

Ovis mex. - in Hatchet Mts.
Antelope 1 (13 Road seen)
Lepus macconnisi rare
Dipodomys spectabilis com
Littellia episcopus "
Lepus arizonae "
Lepus tex "
Cynomys "

Aug 12, Playas

Yucca radiosa abun
Prosopis com in part
Judaea zapota
Chilopsis long wash
Zizyphus com
Koeberlinia "
Lycium arborescens com
Atriplex canescens "
Gutierrezia "
Flourensia
Rhus onocarpifolia, a little

Siemega Ranch 4400

~~*Toxostoma palmeri*?~~ 1
~~*Geococcyx*~~
Populus ~~trichocarpa~~ ^{trichocarpa} at ranch

Hatchet Ranch 43500

Populus acuminata
Milea
Cercilia on mesa
Fouquieria on hills

Hachita 4600

Aug 13

Hatchling to Larchburg

Aug 14 To Deming

Deming to Silver

Asio accipiter 1

Sialia mexicana, 1 caught at
the Lloyd place on the
Gila, 6 miles east of Silver
City. Said to be in
the Boxi near Larchburg.

Aug 16 Silver City

Buteo calurus 337 1

Zenaidura 316 a few

Cathartes 325 "

Aphelocoma 480 "

Mimus lunifrons 703 "

Oryzopsis hirsutus 393 1

Merula m. propinqua 761 4+4

Tyrannus vociferans 444 com

Carpodacus frontalis 519 "

Passer domesticus in town a

Pipilo f. reduncus 591 "

Taxostoma curvirostris 707 2

Salpinctes 715 1

Hirundo 2 in town 113

Astragalinus nevadensis 530 a few

Lophortyx gambeli 295 12 det + yg.

Phainopepla 620 1 ♀ in yard

Chondestes v. harrisi 2 421

Tyrannus vociferans 444 300 in evening

Silver City Aug. 14.

up Silver Cr. 5 mi.

Juniperus major big, com.

Juniperus monosperma

" pachyphloea,

Pinus edulis

" ponderosa com. N.

Prunus ocalifolia "

Quercus emoryi

" arizonae shrub

Agave. abn.

Yucca "

Yucca baccata com.

" radiosa a few S.

Cercocarpus parviflorus, com.

Aug. 19 Silver

Aug. 20, 90 S. 4100

<i>Sialia occidentalis</i>	467	com.
<i>Pipilo megalonyx</i>	491	"
" <i>negubonys</i>	488	"
<i>Aphelocoma</i>	460	"
<i>Zenaidura macroura</i>	615	1
<i>Dryobates titoscapus</i>	393	com.
<i>Colaptes</i>	413	1
<i>Tyrannus vociferans</i>	442	com.
<i>Contopus richardsoni</i>	462	1
<i>Sitta nelsoni</i>	727	1
<i>Ammodramus binnocetatus</i>	516	1
<i>Spizella arizonae</i>	560	abn.
<i>Dendroica auduboni</i>	656	com.
<i>Cyanocephalus</i>	492	1
<i>Zenaidura</i>	316	com.
<i>Cathartes</i>	325	"
<i>Falco phalaena</i>	360	5
<i>Salpinctes</i>	715	2

Camp on N. Fork Sappillo, 7700 feet.

<i>Cinclus</i>	701	N.	1
<i>Melanerpes</i>	310	"	com.
<i>Asyndesmus</i>	468	"	offer
<i>Melanerpes</i>	296	"	1

Aug. 21 over to Little Rock Co.

Camp 7700 on top of ridge 8200

Camp on Little Rock 8000

<i>Selasphorus platycircus</i>	432	com.
<i>Cyanocitta</i>	478	"
<i>Dryobates</i>	393	com.
<i>Sitta nelsoni</i>	727	1
<i>Pygmaea</i>	730	abn.
<i>Sialia</i>	757	com.
<i>Tamus</i>	570	1
<i>Cyanocephalus</i>	23	492
<i>Contopus richardsoni</i>	462	1
<i>Vireo</i>		1
<i>Dendroica auduboni</i>	656	com.
<i>Carduelis rubrifrons</i>	690	1
<i>Setophaga picta</i>	688	2
<i>Arctia</i>	726	1
<i>Parus gambeli</i>	738	com.
<i>Regulus</i>		2
<i>Spizella arizonae</i>	560	com.
<i>Selasphorus platycircus</i>	432	abn.
<i>Cathartes</i>	325	2
<i>Columba jacobina</i>	312	2
<i>Heerophanes montana</i>	514	1
<i>Zenaidura macroura</i>	615	1

Aug. 21, Camp - Pottery Cr

Pinus ponderosa NE 6500-
" *stroboformis* N slope
" *edulis*

Pseudotsuga

Taxus pacificata s. slope

" *macrocarpa* "

Quercus garryana "

" *arizonae* "

" *gambelii* NE slope

Populus angustifolia NE slope
Coig / 5000
do / 5000

Saxifraga

Populus tremuloides NE 8500-

Holodiscus

Symphoricarpos

Ribes

Rubus

Pentstemon borealis

Gilia longiflora

Potentilla (various)

Quercus hypoleuca 9000

Abies concolor NE 9000-

Populus tremuloides " " -

Pachystima " " -

Cerastium minus " 8500-

Ceanothus fendleri 9000-

Berberis pedunculata 8000-9000

Mussaenda 5N 8000-

Rosa

Aug. 22, Camp - Pottery Cr

Up Block Nits

Aspen Spring 9000

Top of peak 9750

Top of peak

Pinus ponderosa

" *flexilis*

Pseudotsuga

Abies concolor

Populus tremuloides

Quercus gambelii

Rubus neomexicanus

Holodiscus

Symphoricarpos

Ceanothus

Opulaster small sp.

Prunella americana

Wyethia big yellow

Rubus nutkanus

Pteris

Forest of Pottery 9700

Quercus glabra NE 7700

Alnus

Rhamnus purshiana

Aug. 24

Rocky Cr. Camp 9. 8100

Forks of Rocky 7700

Mesa 8200

Black R 7200

Coon Tracks
Abies grandis

Mesa top 8000

Diamond Creek 6800

Pinus ponderosa com.

" edulis "

Juniperus ^{sw.} ~~parryana~~ " "

" ~~horizontalis~~ " "

Quercus arizonica " "

" gambelii " "

Solanum tuberosum com. on flats

Centaurea " "

Sp. 1x

Ribes aureum a few

Rhus trilobata com.

Cercus hudsonicus 331 1

Cathartes aura 375 com.

Cathartes 718 "

Troglodytes 721 "

Geothlypis tolmayi 680 1

Coturnix ²⁹⁶ said to be com.

Bubo ³⁷⁵ 1 heard

Aug. 25

Camp on Diamond Cr. 6800

top of ridge 7200

El. H. Gila 6700

Camp at Beaver Cr. 6800

Pinus ponderosa com.

" edulis "

Juniperus monosperma "

" ^{sw.} ~~parryana~~ "

Quercus arizonica "

Juglans major "

Populus angustifolia abn.

Nequedo a few

Alnus 1 tree

Celtis a few.

Vitis abn.

Ampelopsis a few

Forestiera com.

Ribes aureum a few

Rhus ^{black} trilobata com.

Yucca baccata "

Opuntia arborescens? a little

" big pad com.

" small pad "

Cereus com. on rocks

Mammillaria a few

Fendlera rufipila on rocks

Argemone hispida com.

Devils horns "

E. Fork Gila Aug. 25+

Cathartes aura	325	a few
Buteo calurus	3376	1
Falco sparverius	360	
Actitis macularia	263	1
Pipilo maculatus	592	4
Petrochelidon	617	14 nests
Catherpes	718	com. heard
Astragalinus	529	com
Cyanocapillus	492	heard
Tyrannus verticalis	448	1
Ardea herodias	194	1
Chondestes	552	2
Spirilla arizonae	560	com
Stelpnetus	715	a few
Sitta carolinensis	767	com.
Selasphorus platycircus	432	a few
Bubo	475	dd + egg.
Oxyechus roopora	273	heard
Parus gambeli	738	com
Carpodacus frontalis	519	
Baeolophus	733a	2
Colaptes	413	2
Zenaidura	316	2
Columba palmerus	312	2
Ceryle alcyon		

Aug. 26. Camp 7500

Cyanocaps griseus 7300

Top of ridge 7400

Bigelow's Barrens

All Transition

Beaver Co. at junction of Corduroy

Corvus brachyrhynchos (about 7000)

VXT Ranch on Beaver about 7200

Beaver Lake 7400

Camp above lake 7500

Psora 214 heard in wash

Cyanocapillus 492 com

Scolecophagus 510 "

Agelaius 498 "

Xanthocephalus 497 "

Pooecetes 540

Myiarchus cinerascens 451/1

Tyrannus verticalis? 2

Anas 140 breeding com

Blackhead 149 2 ♂

Ruddy 167 4

Falco anatum 356 1

" mexicana 355 1

" phaeola 360 com

Accipiter velox 332 1

Selasphorus platycircus com.

Sterna 77 2

Aleyon 390 1

Chordeiles henryi 420 2

Sitta carolinensis 727 com

" pygmaea 728 ni

<i>Procyon s. hesperus</i>	611	4
<i>Tachycineta thalassina</i>	615	com.
<i>Cyanoccephalus</i>	492	"
<i>Merula propinqua</i>	761	5
<i>Petrochelidon</i>	612	a few nests
<i>Cathartes p. metatus</i>	717	com.
<i>Salpinctes</i>	715	"
<i>Pipilo maculatus</i>	592	"
<i>Zenaidura</i>	316	a few
<i>Sayornis saya</i>	457	1
<i>Sialia bairdi</i>	767	com.
<i>Dryobates</i>	393	1
<i>Actitis macularia</i>	263	7
<i>Anas boschas</i>	132	a few
" <i>stuperus</i>	135	abn.
" <i>carolinensis</i>	39	com.
<i>Aythya americana</i>	146	1 ♀
" <i>merula</i>	148	1 ♂
<i>Lubia americana</i>	221	5
<i>Phalaropus lobatus</i>	223	3
<i>Selasphorus rufus</i>	433	
<i>Oryzopsis vocifera</i>	273	com.
<i>Zingon bairdi</i>	241	3
" <i>minutella</i>	242	5
<i>Zotanus flavipes</i> (usur)	255	1
<i>Himantopus ochterus</i>	226	1
<i>Aquila chrysaetos</i>	349	1
<i>Bubo</i>	375	1
<i>Dendroica auduboni</i>	556	com.
<i>Spizella arizonae</i>	560	"
<i>Chondestes</i>	552	a few

<i>Coccyus sinuatus</i>	486	2
<i>Ardea herodias</i>	194	1
<i>Antilocapra</i>		com.
<i>Cynomys gunnisoni</i>		"
<i>Sciurus aberti</i>		"
<i>Eutamias laseoli</i>		"
<i>Citellus grammurus</i>		"
<i>Thomomys fallax</i>		
<i>Peromyscus truei</i>		2
" <i>rufinus</i>		7
<i>Erethizon</i>		com.
<i>Thomomys fulvus</i>		"
<i>Lepus arizonae</i>		"
<i>Canis latrans</i>		1
" <i>occidentalis</i>		"
<i>Procyon</i>		"
<i>Mephitis</i>		"
<i>Taxidea</i>		"
<i>Vesperugo fuscus</i>		"

Aug. 28 Camp 7500

up Houghton Camp
Mesa top about 8000.

Summit of spur of Elk Mts. 9000
8500

Camp 8600

Aug. 29, Camp 8600

Open meadow 8500

- Astragalus purpureus*
- Puterzgia euthamiae*
- Sanicula* yellow
- Malvastrum*
- Lithospermum*
- Oxalis violacea*
- Geranium* red
- Rumex crispus*
- Solidago*
- Eriogonum*
- Linum*
- Allium*
- Solanum*
- Will radish
- Tradescantia* blue
- or purple
- Sisyrinchium*
- Castilleja*
- Diphysa*
- Eriogonum*
- Aster*
- Fragaria*

Aug. 29

Otocoris 474
Sturnella 501
Ammodramus 545 *parvulus*
Parus 540
Chondestes 552
Sialia 767
" *arctica* / 768
Spizella arizonae 560
Salpinctes 715
Falco sparverius 360
Sitta pygmaea 728

up Elk Mts.

Junco dorsalis 5700
Cyanocitta 478
Dryobates hyloscopus 393

Odocoileus hemionus, tracks com.
Sciurus aberti
" *royaltonensis*, com.
Eutamias amoenus "
Callospermophilus "
Neotoma
Thomomys
Lepus texianus 1
" *punctatus*, sign at 10000.

Aug. 29 up Elk Mts.

Camp 8600
 base of mts 8800
Pinus ponderosa SW 8500-10000
" *flexilis* SW 8800-10200
" *edulis*, strip SW. - 8800
Juniperus pachyphloea " - "
Quercus arizonae " " "
Pseudotsuga SW 8800-10200
Populus tremuloides SW 1000-10000
Quercus garbana NE 8800-10200
Abies concolor NE 9000-10000
Arctostaphylos uva-ursi SW 8800-10000
Juniperus communis NE 9000-10200
Holodiscus 9000-10000
Oxytropis " - 1000
Berberis ripens " - 1000
Ribes cereum - 1000
" *spicy* - 10200
Opuntia 10000-10200
Symphoricarpos oregonus - 10000
" *walleyi* SW, 10000-10200
Salix 8700-10200
Rubus glaberrimus 10000-10200
Pachystima " - "
Ribes sanguineum " = "
Picea angustifolia of Cr. - 8800

Aug 30 Camp 8650
 Snow Creek 8500
 Divots 8600
 Antelope 18
 Downy Woodpecker
 Wolfhounds 2
 Pinus ponderosa
 " flexilis NE 8000
 Pseudotsuga " "
 Picea pungens " "
 Populus tremuloides " "
 " angustifolia
 Quercus gambelii
 " arizonae
 Juniperus pachyphloea

Aug 31 Camp on Legito 7200
 Coule 390
 Zinnia aurea 316
 Cathartes 717
 Salpinctes 715
 Falco sparverius 360
 Ceryle alcyon 478
 Haliaeetus 596
 Astragalinus mex 530
 Glaucidium gnoma 379

Negato Canyon 7200

- Pinus ponderosa* NE & bottom
- Pseudotsuga* NE
- Quercus gambelii* NE
- " *alvayana* SW
- Populus angustifolia* bottom
- Regulus* - 7000
- Juglans* - 7000
- Platanus* - 7200
- Juniperus polyphloea*
- " *scopulorum*, bottom
- Forstiera* 7000
- Rhamnus purshiana* "
- Vitis* "
- Achillea* tree "
- Fragaria* - 6500
- Pleha* "
- Fendlera* SW
- Ribes cereum* - 7200
- " *spiny* - "
- Rhus glabra* 6500-7000
- " *trilobata* SW - 7200
- Populus acuminata* a few 6000
- Platanus wrightii* - 6500 ~~7000~~
- Cercocarpus pacificus* SW
- Yucca baccata* "
- Molina* " 6400
- Agave* 6300
- Spartina schottii* "
- " *flat* "
- Populus wislizeni*

Francisco River 6100

- Camp meso Reserve* 6200
- Pinus ponderosa*
- " *edulis*
- Juniperus polyphloea*
- " *novosibirica*
- " *mercedensis*
- Quercus arizonae*
- Populus angustifolia*
- " *wislizeni*
- " *acuminata*
- Salix* narrow leaf
- "
- Forstiera*
- Rhus trilobata*
- Juglans major*
- Vitis*
- Lupinus*
- Agave spicata*
- Yucca baccata*
- " *glauca*
- Spartina schottii*
- " *flat*
- Argemone*
- Mertensia*
- Chryse*
- Sigathea aurea*
- "
- Gutierrezia*
- Cowanina mexicana*
- Fellugia*

Frizeo Sept 1-3.

Buteo l. calurus 1 / 337 b
 Circus 331 1
 Falco sparverius 360 com
 Accipiter velox 332 1
 Bubo 375 heard
 Geococcyx 385 said to be com.
 Falco sparverius gambeli 295 com
 296
 Cyrtornyx meamusi 2 ad to ocean
 Dryobates villosus 393
 Melanerpes p. bairdi 407 1
 Colaptes collaris 413 com
 Sayornis saya 457 "
 Contopus richardsoni 462 heard
 Empidonax "
 Aphelocoma 480 com
 Cyanocaptes 478 abn.
 Myiurus leucophaea 703 1
 Habia melanocephala 596 1
 Passer gambeli 738 com
 Baeolophus 733a "
 Pipilo arcticus 588 com
 " vesidunensis 592 1
 Geothlypis tolmiei 680 1
 Zenaidura 316 com
 Cathartes 325 "
 Tyrannus vociferans 448 1
 Astreptopus 529 com
 Aquila 2 349

Sept 3, Camp 6400
Frizeo 6800

San Francisco Mts

Creek at 7 miles 7300
 Mesa in timber 7700
 Top of ridge 8650
 Peak 9000
 Aquila chrysaetos 349 1
 Columba fasciata 312 = 7500 + 8500
 Meleagris tracks 310
 Falco sparverius 360 1
 Melanerpes 407 ocean holes abn.
 Colaptes collaris 413 com
 Dryobates villosus 393 com
 Horreopus 462 1
 Elaeopterus rufus 433 com
 " platycircus 432 "
 Junco caniceps 570 b "
 Dendroica townsendi 668 com
 " auduboni 656 "
 Melospiza calata 646 com
 Wilsonia 685 1
 Sitta Nelsoni 721 com
 " pygmaea 730 abn.
 Cyanocitta 478 com
 Cyanocaptes 492 "
 Merula 761 a few
 Sialia bairdi 767 com
 Vireo swainsoni 627 4
 Aphelocoma 480 com. upto 8500 sh
 Piranga 607 ♀ 18500

San Francisco Mts 615

Taccheta thalassina a few
Glaucium 379 1 hand of 8500
Parus gambeli 738 on SW @ 8500
Vireo swainsoni 627 4
Picaeops 49 a few 1 shot

San Francisco Mts

Pinus edulis on steep slopes - 8500
SW - 8000
NE - 6500 - 8500
SW 7500 -
" ponderosa NE 8000 -
" strobiformis NE 8000 -
Pseudotsuga NE 8000 -
Abies concolor NE 8000 -
Robinia americana NE 8000 -
SW - 8000 -
Quercus gambeli NE 6500 - 9000
on steep slopes @ 8500
Quercus agrifolia SW - 8000
steep slopes - 8500
Juniperus pachyphloea SW - 8000
" monosperma on steep slopes to - 8500
SW - 8000
Juglans major up on to 7300
Populus angustifolia " " 8000
Alnus up on to 7300
Populus tremuloides NE 8000 -
Ceanothus 8000 - 9000
Berberis ripens " - "
Pentstemon toreyi " - "
Gilia aggregata " - "

Loma Valley Sep. 4+6
 Ardea herodias 194
 Melospiza 310 said to be - juv
 Buteo borealis 13376
 Falco sparverius 360
 Corvus alcyon 390
 Melanerpes 407
 Colaptes 413
 Dendroica 393
 Sialia sialis rufus 433
 " platycircus 432
 Cyanocitta 478
 Sayornis saya 457
 Tyrannus vociferans 448
 Epigella orizocora 560 abn.
 Ammodramus 5426
 Sitta pygmaea 730
 " "
 Parus gambeli 738
 Sialia arctica 1768
 " bairdi 767
 Cathartes 717
 Troglodytes 721
 Glaucocheilus quana 379
 Cyanocitta 492

Loma Valley
 Pinus ponderosa
 " edulis
 " strobus
 Juniperus pachyphloea
 " monosperma
 Quercus agrifolia
 " gambelii
 Populus angustifolia
 " tremuloides
 Neotoma
 Odocoileus columbianus
 " leucurus
 Sciurus aberti
 Callospermophilus lateralis
 Citellus grammurus
 Eutamias dorsalis
 " eremicus
 Neotoma pallida
 Onychomys leucogaster
 Peromyscus truei
 " rufipes
 " rufipes
 Microtus montanus
 Lynx
 Ursus
 Canis utahensis
 Procyon
 Mephitis
 Lutra, tracks

Sept. 7 Camp 7400

Bash Valley 8400
 Camp 9000
 Big Park on Mtn 10100
 Tipton Pass 10450
 Peak of Escudilla Mtn. 10800
 Pinus ponderosa - 9500
 " strobifera SW - 10500
 Pseudotsuga - "
 Pteris aquilina SW - 10400

Pteris aquilina 9000-
 " engelmannii 1000-10800
 Apocynum androsaemum 9000-
 " arizonense 10000-10800
 Populus tremuloides 9000- "
 Thuja occidentalis " - "
 Ribes typhaleum - 10800
 Fragaria virginiana - 10800
 Rubus idaeus - "
 Holodiscus - "
 Galium cordata 9000 - "
 Ribes cereum SW - 10500
 Wyethia big, orange - "
 Campanula - "
 Gentiana blue - "

Escudilla Mtn Sept 7

Arnica 349 2 at 10800
 Melocactus 310 1 " 10100
 Dendroica 297 1 "
 Olearia 474 1 "
 Hesperis 656 1 10800
 Geranium aureum com
 Junco canaliculatus 5706 com. 10800
 Cravocitta 478 " "
 Wilsonia 685 545 1 9000
 Cotoneaster bairdii com 10100
 Acaulis scopulorum 333 1 10100
 Merula m. propinqua 761 com 10800
 Calluna heart to 10800

749

Odocoileus columbianus, does 2/summers
 Sorex arcticus
 " woylensis
 Eutamias amoenus
 Cynomys gunnisoni at 10800
 Neotoma talpoides com at 10800
 " pallax, intro at 9000
 Erythronium
 Thymus to 10800
 Microtus 10100
 Canis mex. & mormoi "
 Ursus am. itorabilis "

Sept. 8, Camp 9100

Panish Valley

Melanospus bairdi 407 1

Colaptes collaris 413 "

Sybilides hyloscopus 393 1

Sitta pygmaea 730 1

Sialia bairdi 767 "

Dendroica auduboni 656 "

Spizella arizonae 560 "

Junco canadensis 570 1

Circus 331 1

Falco sparverius 360 2

Alpine

8400

Speotytochus 510

Nutcracker

Zenaidura 316 2

Tyrannus vociferans 448 4

Sayornis saya 2

457

Pinus ponderosa

Pseudotsuga

Quercus gambelii

Elaeagnus

Alpine

8400

Populus tremuloides

Alnus

Picea pungens

Abies concolor

Pinus strobus

Summit

9100

Nutcracker

8400

Camp

8500

Nutcracker

Junco hyemalis 56

Speotytochus 4

Pinus edulis 4

Helianthus annuus

Helianthus

Bigelovia connexa

Quercus

Chamaecyparis

Sept. 9, Camp 8500

5
 Springsville 7500
 Cereus 1
 Pates masoni 2
 T. acinus vociferans 3
 Myiarchus
 Sayornis saya 1
 Scoliopteryx com.
 Xanthocephalus 4
 Sturnella neglecta 2
 Aidaherodias 2
 Geococcyx vociferans 2
 Geococcyx 2
 Cathartes 2
 Sturnella bairdii 2
 Tachycineta thal. com.
 Aphelocoma 5
 Cyanocitta 2
 Cortopous nevadensis 1

Sept. 10 Camp 8200

1
 Cyanocitta 3
 Sitta pygmaea com.
 Chondestes collaris 7
 Dryobates 1
 Dendroica auduboni 5
 Eriophona bairdi 4
 Zonotrichia leucophrys 4
 " platyris 4
 Aquila 1
 25th Colo. R. 8/25
 Sitta nelsoni 1
 Pandion haliaetus 1

Sept 10
 Little Gila-B. 8125
 Alps - long R
 Solax
 " "
 " "
 Hojas
 Pinus ponderosa
 Populus tremuloides N.E.

Quercus 8250

Camp 2 mi above Quercus 8400

Sept 11, Camp 8400
 up Thomas Peak to 11280
 Melospiza 8400 - 9400
 Dendroica 6 at 9000, rather 10000
 Cerulea 1 at 8500
 Colaptes com.
 Dryobates villosus a few
 Cyanocitta com.
 Merula abn.
 Dendroica auduboni "
 Sitta nelsoni a few
 " pygmaea com.
 Junco dorsalis com. 8000 - 11000
 Regulus satrapa com.
 Parus gambeli com. - 9300
 Sialia arctica " 9000 - 9400
 Cyanocpterus a flock at 9100
 Otocoris a few " 9000
 Poocetes " " "
 Helidromys edentatus 2 " 9100
 Actitis macularia 2 "
 Oxyechus vociferus 3 "
 Anas boschas 35 "
 Nettion 8 "
 Querquedula discors 2 "
 Myadestes 2 10000
 Nucifraga 1 at 9000 + 1 at 11300
 Picoides 2, 9500 + 10500
 Cinclus mexicanus (H) 1 at 8400

Sept 14
 Tropicus cooperi 1 8000

Sept. 11 Camp
Piranga ludoviciana 1

Sept. 11 Camp 8500
Up Bonnet Peak 11280
Pinus ponderosa S.W. - 9500
Pseudotsuga " - 10000
Pinus strobus " - "
Alnus along Cr. - 8500 +
Amelanchier - "
Ribes cereum - 9500
" glabrum 8500 -
Rubus nutkanus 8000 - 1000 NE
Cornus asperifolia NE 8000 - 9000 +
Rosa " - " +
Berberis repens " - "
Pentstemon l. torreyi SW " - "
Gilia agrigata " " - "
Pteris aquilina " " - "
Fragaria speciosa " " - "
Cnicus not along Cr. " -
" yellow " 8500 - 9500
Vetch 2 SW 8000 - 9000
Wild Chives " " - "
Cymopterus
Sphacelium linearifolia
Aster
Madia?
Potentilla
Artemisia, not ludo. -
Populus angustifolia along Cr. - 8000

Sept 11 Inp Mts.

Populus tremuloides NE 8000-10000
Picea pungens " " -
 " *anglicana* " -11250
Abies concolor " 8000-9500
 " *arizonae* " 8500-10200
Salix (cordata?) " -10200
 " *purpurea* " -9200
Acer glabrum NE 8500-9500
Juniperus " " -10200
Vaccinium cespitosum " " -11250
Linnaea borealis " " -
Lycopodium canadense " " -10000
Lonicera conjugialis " " - "
 " *involuta* " " -11250
Symptlocos racemosa " " -1000
Chimaphila umbellata " " -
Ribes sanguineum " " -11250
 " (spring) " " - "
Sambucus racemosa " " -9500
Sorbus sambucifolia 10000-10200
Rubus (basal) 9000-10000
Fragaria glauca 8500-10000
Veratrum " " - "
Pyrrola asarifolia NE " -
Cnicus ochroleucus " -9500
Pedicularis racemosa 9000-10000
 "

Top of Peak at 11280

Rhodiola spec
Hemichera "
Potentilla "
Companula 8500- "
Achillea " "
Solidago "
Gentiana 8320- "
Schwertia "
Ribes saxatile 10300- "
 " *sanguineum* 8500- "
Lonicera involuta " - "
Picea anglica, dwarfed
Helianthus big yellow, 8500- "
 " little " "
Mertensia "
Draba woolly "
 " twisted "
Arunaria "
 " "
Vaccinium cespitosum 8500- "
Polemonium "
Epilobium "
Cymopterus big "
 " little "
Saururus "
Pentstemon "
Pedicularis "

Sept. 17, Springville
7000

Populus angustifolia doug R
Alnus
Salix
Lycium
Antennaria
Bigelovia
Helianthus annuus
"Helianthus"
Aedypias latifolia
Argemone
Crucifera
Xanthoxylum
Aster, big purple
Scirpus dotuglosi
Berberis
Lycium pallidum
Erodia lanata
Atriplex canescens
Cylindropuntia capitata
Aster
Alnus

Walnut Root 6200

Festuca
Juniperus
Lachnaceae 6000

Cornus
Dalea spicosa
Opuntia, flat, small,
Yucca glauca
Suaeda

Sept. 17, Springville

Chaetochloa strepera 50
Nerium longirostris 6
Buteo 7
Circus 7
Fulco sparverius com
Syrnium albidum 1
Aspidochelone 4
Selasphorus rufus com
" polygenus com
Zenaidura 1
Cathartes 1
Sayornis saya 3
Psaltriparus com
Coturniculus bairdi com
" frontalis com
Atreus 4
Euphagus com
Xanthocephalus com
Pipilo chlorurus 2
Hirundo 1
Carpodacus frontalis 3
Ampelis 1
Lanius
Ordea 1 dead
Buteo calurus 2
" swainsoni 1
Sturnella 5
Salpinctes 1 Las Vegas
Cathartes 1 " "

Sept. 18 Camp Las Mesas

<i>Neotoma lepida</i>	3
<i>Peromyscus truei</i>	1
<i>texensis</i>	1
<i>Lepus arizonae</i>	2
<i>Citellus grammurus</i>	1, com
<i>Perodipus</i>	tracks in
<i>Onychomys leucogaster</i>	"

Sept. 18 St. Johns

Camp, 3 mi below	5600 ft
Antelope	a few
<i>Neotoma lepida</i>	abn.
<i>Perithodantomys</i>	3
<i>Mus musculus</i>	1
<i>Lepus arizonae</i>	com
<i>texensis</i>	"
<i>Thomomys</i>	hill "
<i>Perodipus</i>	tracks "
<i>Citellus nearcticus</i>	"
<i>Taxidea</i>	"
<i>Mephitis</i>	tracks

Sept. 18 St. Johns Camp

<i>Sphyrapicus</i>	2
<i>Epigilla breweri</i>	abn.
<i>Amphispiza nevadensis</i>	a few
<i>Zenaidura</i>	com
<i>Sturnella neglecta</i>	3

Zuni River

<i>Oreoscoptes</i>	1
<i>Oreospiza</i>	1
<i>Epigilla breweri</i>	com
<i>Pooecetes</i>	"
<i>Buteo b. calurus</i>	4
<i>swainsoni</i>	2
<i>Zenaidura</i>	com
<i>Circus</i>	1
<i>Falco mex</i>	1
<i>Bubo</i>	1
<i>Sphyrapicus</i>	1
<i>Elanus</i>	4

Sept. 19, St. Johns.

<i>Atriplex canescens</i>	abn
" <i>confertifolia</i>	com
<i>Populus</i> , 1 leafy, a few	
<i>Salix</i>	co
<i>Eucalyptus</i>	"
<i>Sarcobatus</i> grass	abn.

Zuni Valley

<i>Atriplex canescens</i>	abn
" <i>confertifolia</i>	"
<i>Sarcobatus</i> <i>emicaulatus</i>	a few
<i>Bignonia</i>	
<i>Gutierrezia</i>	
<i>Juniperus monosperma</i>	
<i>Salix</i>	
<i>Ephedra</i> , blue	
<i>Helianthus</i> "potida"	
<i>Aster</i> <i>filipiceus</i>	
<i>Opuntia</i> , small pad	
<i>Cylindropuntia</i> , low,	
<i>Croton</i>	
<i>Chenopodium</i>	
<i>Hibiscus</i>	
<i>Adiantum</i>	
<i>Rigida</i> <i>canescens</i>	
" <i>leaves</i>	
<i>Gutierrezia</i>	
<i>Eurotia lanata</i>	

to Zuni

Sept. 20, Camp, Zuni R.

<i>Antilocapra</i>	tracks
<i>Amurospum</i>	1
<i>Neotoma obliqua</i>	co
" <i>bushy tail</i>	4
<i>Onychomys leucogaster</i>	2
<i>Perodipus longicaudus</i>	1
<i>Perodipus</i>	abn
<i>Perognathus</i>	"
<i>Lepus texianus</i>	co
" <i>arizonae</i>	"
<i>Cynomys guineensis</i>	"
<i>Canis latrans</i>	abn
" <i>occidentalis</i>	a few
<i>Falco</i>	
<i>Erethizon</i>	tracks & skulls

Zuni R. at line

<i>Peromyscus truei</i>	1
<i>Perodipus longicaudus</i>	1
<i>Perognathus</i>	abn
<i>Onychomys</i>	2
<i>Thomomys</i>	1

Opp. Caliente

<i>Citellus epibassus</i>	1 in
<i>Mephitis</i>	tracks

Sept. 21 Camp

Ojo Caliente

Zuni *

Zuni Dam

Sept. 22, Camp

Pinus edulis

Juniperus monosperma

Bigelovia canescens, fig

" " leafless

" " dark green

Quercus

" *Helianthella*"

Helianthus annuus

Artemisia filipolia

" " *tridentata*"

Lycium pallidum

Atriplex canescens

Sarcobatus

Aconitum

Croton

Opuntia, small flat

" " round

Sida

Solanum blue

Rubus, big leaf - a few

Achillea tridentata, a little

Sept. 22, Zuni north

Pinus ponderosa, a few

Artemisia tridentata abn

Yucca glauca

" *pacifica* - 7 mi

Forestiera

Bureaua gambelii

Pinus ponderosa

Juniperus scopulorum 2 + 10

" *monosperma* abn

Pinus edulis

Tetradymia canescens, 7 mi

Zuni Valley

Atthis grammacus 1
Eutamias dorsalis 3
Cynomys guntoni 5
Necturus 2
Dryobates heard
Thomomys obs
Perodipus "
Perognathus idiad
Lepus arizonae com
" texensis "
Esthivora quacking
Canis pallens seen
Taxidea "
Myiarchus

Sept. 21 Birds

C. hortus 325
Zenaidura 316
Buteo 3376
Aquila in pin 2 flying
Bubo 375 heard
Falco sparverius 360
Circus 331
Corvus sinuatus 486 com
Euphagus 510
Lanius 622
Tyrannus vociferans 448
Sayornis saya 456
Ceryle alcyon a few

Sept. 22, over mesa

Cathartes aura 413 com
Syrnium hyloscopus 393 4
Agelaius 468 6
Sitta pygmaea 730 com
Sialia bairdi 767 "
Spizella arizonae 560 "
" breweri 562 "
Salpinctes 715 3
Myiarchus 754 com
Amphispiza 480 "
Procedes 540 "
Buteo f. calurus 3376 1
Baryphagus 733a a few
Bubo 375 heard

Sept. 23 to Gallup

Sialia arctica 768 3
Carpodacus 519 2
Psittacus 744 4
Oroscoptes 702 a few
Oreocypiza 592.1 "

Sept. 23-28 Gallup

Pinus edulis com

Juniperus monosperma "

" *seopulorum?*

Pinus ponderosa by a few mesas

Quercus gambeli a few

Rhus trilobata

Ribes cereum

Cowanina meruana

Fouquieria

Atriplex canescens

Sarcobatus

Eurotia lanata

Bigelevoia

" *guterria*

Asteriscia trichotoma

Amarantus, tumbleweed, ds

Opuntia flat spec

" round "

Mammillaria "

Cercus parviflorus? "

Gallup

Cathartes aura 323 com

Dryobates 393 1

Agredesmus 408 H

Sayornis saya 457 1

Corvus sinuatus 486 com

Carpodacus 519 hard

Melospiza lincolni 3 583

Zonotrichia 554

Spizella 560

Aphelocoma 480 com

Cyanocephalus 492 a few

Pipilo megalonyx 588 "

Colaptes 413 "

Balopterus 733 com

Parus gambeli 738 "

Psaltriparus 9 744 "

Helminthophila lutescens 646 "

Polyptila 751 or 1

Salpinctes 715 a

Sialia arctica 768 u

" *harrisi* 767 u

Catherpes 717 1

Passer domesticus P.d. com

Dendroica auduboni 1 656

Myiadestes 754

Oroscoptes 702

Amphispiza nevadensis 574.1 1

Gallup

Eutamias dorsalis com
Citellus grammurus "
Cynomys gunnisoni a few
Peromyscus truei com
" *socius* com
" *texensis* 1
Neotoma albigula com
" *floridana* "
Perognathus "
Psaltriparus "
Thryothorus ~~1000~~ *rostratus*
Tepus alizonae
" *texensis*
Cavia lateralis
Taxidea

Sept. 27, left Gallup

Rock Springs

Camp 2 mi w of Rock Sp.

Sept. 28. Camp 8:30

Otocoris 474
Croceoptes 702
" 574.1
Amphispiza nevadensis
Spizella 560
Lanius 622 P
Colaptes 413 S
Dendroica auduboni 656 L
" 140
Quercyrillix discors 12
Corvus sinuatus 486

Sept 30 Ft. Dyer

Icterus spurius 360
Corvus sinuatus 413
Carpodacus 519
Spizella 560
Dendroica auduboni 656 com
Sialia arctica 768 "
" *barbata* 767 "
Colaptes 413 L
Cyanocitta 492 H

Oct. 1. Chusea Mts.

- Buteo b. calurus 1
- Dryobates com
- Coccyzus "
- Melanerpes f. bairdi 3
- Cyanocitta a few flocks com
- Cyanocitta "
- Junco dorsalis "
- " mearnsi "
- Sitta pygmaea "
- " nelsoni "
- Zonotrichia "
- Dendroica auduboni "
- Calendula (Regulus) "
- Parus gambeli "
- Sialia arctica "
- " bairdi "
- Spinus pinus 1 com
- Merula 2
- Aphila chrysantus 1
- Coccyz simulatus 2
- Junco caniceps com

Oct. 2 9000 foot camp

- Melospiza lincolni 1 com
- Troglodytes 2
- Pipilo arcticus 1
- Chondestes streperus 12
- Oreoquedula discors 20
- Nuttall's carolinensis 4
- Fulica americana "

Chusea Mts. Oct. 1 -

- Pinus edulis SW. - 8000
- Juniperus scopulorum " "
- " monosperma - 7500
- Yucca baccata - 7000
- Pinus ponderosa SW 8000 - 9100 + NE. 7000 - 9000
- Pseudotsuga NE " "
- Quercus gambeli " - "
- Cercocarpus pauciflorus, big leaf ⁵⁰⁰⁰ 8000
- Arctostaphylos uva-ursa 8000 - 9000
- Rubus idaeus " - "
- Yucca angustifolia? 7000 - 8500
- Rosa "
- Ceanothus NE 7000 - 9000
- Amelanchier 8000
- Prunus demissa "

- Populus tremuloides NE 8500 - 9000
- Abies concolor? " "
- Lepidoptera canadensis " "
- Juniperus communis " "
- Picea pungens
- Rubus anthracinus
- " strigosus
- Symphoricarpos
- Saxifraga
- Potentilla fruticosa

Oct 6. Chisea mts.
Left camp at 1 P.M.

Camped at trail crossing
of range about 12 mi N

Oct. 7. Continued north to big
canyon where road crosses range
and camped on rim of mesa.
Came about 10 mi.

Oct. 8 Crossed over to range
north of road & up to peaks.
& back to camp at Turkey Lake

Oct. 7, North end of range

Pinus ponderosa

Pseudotsuga

Quercus gambeli

Arctostaphylos uva-ursa

Ceanothus

Rosa

Berberis repens

Chamaenerion

Fragaria glauca

Frasera speciosa

Pteris aquilina

Robes cereum

Prunus, c. c. c.

Yucca stricta?

Picea pungens

Abies arizonica

Alnus

Populus tremuloides

Acer glabrum

Sambucus

Salix

Mammillaria

Oct. 7 Chusca Mt. N. End
 Melospiza merriami com
 Anas boschas 4
 Fulica americana 1
 Ardea herodias 1
 Aquila 3
 Buteo borealis 2
 Accipiter velox 1
 Circus 1
 Bubo heard
 Junco dorsalis com
 " mearnsi "
 " caniceps? "
 Melospiza montana 1
 " lincolni com
 Zonotrichia "
 Cyanocitta "
 Cyanocephalus "
 Dryobates hyloscopus "
 Sphyrapicus nuchalis 2
 Colaptes com
 Parus gambeli "
 Dendroica auduboni "
 Regulus calendula "
 Salpinctes 2
 Mniotilta 2 heard
 Sialia bairdi com
 " arctica "
 Corvus sinuatus "
 Sitta nelsoni + pygmaea "
 Anthus ludo 12

Chusca Mt.
 Odocoileus - no trace
 Sciurus aberti com
 " mogadorensis "
 Eutamias quadrivittatus "
 " ^{leucurus} "
 Callospermophilus com
 Onychomys leucogaster com
 Citellus grammurus, in canyon
 Neotoma fallax com
 Peromyscus rufinus com
 " "
 Microtus mordax "
 Thomomys fossor "
 " apache "
 " aureus 1
 Perodipus in canyon
 Lepus robustus 7000-9000
 Euthyris 3 sp. com
 Canis latrans com
 Urocyon
 Lynx
 Felis?
 Canis occidentalis tracks
 Ursus americanus "
 Taxidea "
 Mephitis "
 Storex 1 caught

J.W. Pinketas Jr.

Silver City,

Pablo Obieta, of Whitney Co.

Albuquerque

W.P. Birschfeld, Hachita
Gray Ranch A

Walter Birschfeld, Hachita

Mgr. Victoria Land & Cattle Co.
A ranches

S.W. Rusbush, Deming

Felix Mapes, Hachita

Wm. Lawrence is

2 prints of branding.

Chas. Spear, Hachita

wants circulars for P.D. & godders etc

(H.L. Bentham, Denver

Care Forest Service, P.D. hunter

Coddington, Sheriff at

Gallup, for horses

Prof. E. O. Wootton, Missilla Park.

New Mex. College of Agr.

Clay Hunter, Springerville

Photographer & Hunter

Mr. Martin, Supervisor, Springerville, Ariz.

Mr. Eaton, Asst. Sup. " "

J.B. Moore, Crystal, N.M.

Wm. Hamby, Reservoir.

SW. Quebush

Deming

Washburn
Maswa

R303) 11,7355 1829

Photos for Florence

Mex. woman with Robson

cowboy with chaps & hat

Pack saddle

~~Water boot~~

Sheep, sheepskin,

Single pole tent

Santa Fe Trail

Prairie schooner

Chaps

Threshing with goats

Jack Rabbits, ears up -

Goats in trees

Mex. irrigating

† on tree trunk

Christy & Dawson
Furro

Jean Allison Ariz.
Fish & Game Comm.

Anthony Long
Springfield
print of elk horns, 1872

Charley Jacob

Nasua

- 1908 -

	S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S
April	...	...	...	1	2	3	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	5	6	7	8	9	10	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	12	13	14	15	16	17	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	19	20	21	22	23	24	25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	27	28	29	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
July	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	5	6	7	8	9	10	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	12	13	14	15	16	17	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	19	20	21	22	23	24	25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	27	28	29	30	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
August	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	3	4	5	6	7	8	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	10	11	12	13	14	15	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	17	18	19	20	21	22	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	25	26	27	28	29	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
September	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	7	8	9	10	11	12	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	14	15	16	17	18	19	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	21	22	23	24	25	26	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	29	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
October	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	4	5	6	7	8	9	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	11	12	13	14	15	16	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	18	19	20	21	22	23	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	26	27	28	29	30	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
November	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1	2	3	4	5	6	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	8	9	10	11	12	13	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	15	16	17	18	19	20	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	23	24	25	26	27	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
December	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	6	7	8	9	10	11	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	13	14	15	16	17	18	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	20	21	22	23	24	25	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	28	29	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Colcord

