

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?	"
"	"
"	"
Fraxino	com
"	"
Asimina trilobata	"
Morus rubra	"
Myrica aspera?	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
 Uruba 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 L.

Syllphium laciniatum abn

Zizania "

Rudbeckia "

Flourens

Euphorbia marginata obi

Lepus melanotis a few

Belts

Cynomys a few, first
way 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

Samy

Curvedy

Sarcobatus abn

Atriplex canescens "

Gouera pallidum "

" green "

Fourestia com.

Gutierrezia abn

Bigelovia canescens "

Fallugia pedunculata

Santa Domingo

Albuquerque

Albuquerque

Populus		abu
Salix nigra?		"
..	wid leaf	"
Sarcobatus		"
Atriplex canescens		"
Elyda	big	"
Baccharis		"
Chrysothamnus	big	"
Amelanchia		" a few
Opuntia		"
Bigelovia	green, leafless	"
Gutierrezia		abu
Dalea canescens?	on mesa	"
Eumecis douglasii		"
Yucca glauca		"
Opuntia clavata?		"
Chrysantha grandiflora	a few	"
Croton texensis		abu
Clione	big	"
Helianthus annuus		"
Heliopsis		"
Solanum	yellow	"
..	blue	"
Artemisia		"
Salt grass		"
Xanthoxylum		"

Interiors

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

Birds

Juncaria leucophaea	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

Mammals

Citellus macrourus	com
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Uta stansburiana com
Phrynosoma macleayi 1

July 29 Albuquerque Fla.

Prosopis glandulosa, 5 small bushes near site

Site

Membrana leucantha	700	4
Chorizanthe	420	13
Zinnia	316	on
Zinnia	2016	"
Agave	498	"
Chelidonium	612	"
Ficus phloea		2

Beless

Prosopis pubescens? a few in field

Prosopis glandulosa 2 small bushes edge of mesa

East of River - Mesa -

Dalea canescens	abn
Antirrhinum	"
Petalostemum purpureum	"
Yucca glauca	on

293 Callispha squarrosa 1 branch of half grown young on mesa

Budae

Yucca radiosa? 3-6 feet
Antirrhinum
good grass
Opuntia, a few flat top

Foothills, (Mesa) 5500

Prosopis glandulosa a little on hot slopes

Juniperus

Yucca baccata	
Opuntia arborescens	
Yucca	
Citrus	
Pinus edulis	5700
Sesuvium	
Abies	
<u>Mountain air</u>	6600

Juniperus monosperma on

Pinus edulis
Antirrhinum
Opuntia arborescens
" white spined pod

Juniperus pachyphloea	7000
Pinus ponderosa	"
<u>Spruce Knob</u>	7200

Quercus undulata	"
" gambelii	"
Barberry	6700

Tetradymia canescens	700
<u>Spruce Hill</u>	7500

<u>Upper Hill</u>	7700
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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 Mt

Spizella arizonae 560 abn.
Junco 567
Sitta pygmaea 730 8000
 Thrush 8400
Empidonax
Selasphorus rufus 433
Melospiza 5 ad, 18 yg 310 9800
Dendroica auduboni 656 9800
Merula migratoria 761 4
Contopus borealis 459
Sitta nelsoni 727c
Troglodytes 721
Habia melanocephala 1596
Melanerpes formicivorus 407 1
Gryobates hyloscopus 1393
Corvus sinuatus 486 5

Manzanero Mts.

July 30 Upper Mill, 7700
up gulch

Acer glabrum NE. 8000 ft
 " " 8000-9700
Robinia neomexicana 7800-9700
Berberis repens "
Ceanothus "
Populus tremuloides NE 8000-10000
Rubus red "
Polemonium white 8300
 " big blue "
Pseudotsuga 8400-10000
Aspidopteryx 8600-10000
Delphinium big blue 9000- "
Holochloa "
Pinus flexilis "
Symphoricarpos "
Sambucus "
Fragaria spiciosa "
Saxifraga "
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 opav
 " *arborescens* "
 " *clavatum* abn.
Gutierrezia *arvensis* "
Phaca serotina com
Baccharis glutinosa "
Grindelia "
Yucca radiosa (law) "
Chilopsis a few in arch
Fakugia com. in "
Opuntia *brunneifera*
 " *leptocaulis*
~~*Baccharis glutinosa*~~ on mesa
Atriplex canescens "
Ephedra *flus* "
 " *big green* "
Yucca baccata "
Opuntia *white spines* "
 " *fine* "
Flourensia cernua "

San Marcos + on Mesa

Mimus lucifera 703 com.
Heliodytes 713 nests
Melanochorus 605 1 ♂
Passer derbentinus P. d. com.
Dryobates bairdi 1 nest, 396
Oliveis 474 1
Catherpes 325 1
Callipepla 293 3 com.
Tyrannus vociferans 448 com.
Geothlypis trichas 573 3 com.
Falco sparverius 360 1
Coccyz 385 2
Lanius 622 2
Buteo v. calurus 3376 3

San Marcial

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

Cnemidophorus
Callisaurus? or *Holbrookia*
Phrynosoma
Sedoporus

Aug. 1 - below San Marcial

Populus
Salix 2
Prosopis glandulosa
 " *pubescens*
Baccharis glutinosa
Hymenoclytus monogyna
Physcia *trivialis*
Atriplex canescens
Covillea
Delea canescens
Artemisia filifolia
Ephedra, 1 big grass
Quercus

Crocker
Jurea caduca
Baccharis glutinosa
Covillea on 5 slopes
Nesquite low "
Yucca cuneata

Engle
 Same, little Lower Sonoran
 mostly yuccas & grass
Cutter
 Same, more slopes & more
 Lower Sonoran

Rincon

- Prosopis glandulosa pubescens*
- Chilopsis*
- Yucca radiosa*
- Covillea*
- Populus wislizeni*
- Sida interior*
- Dalea canescens*
- Ephedra biggiana*
- Yucca*
- Plumbago*
- Baccharis glutinosa*
- 10 mi. below
- Lycium*
- ~~*Condalia*~~
- Zinnia* 7
- Opuntia engelmannii* 7
- Rhus microphylla*
- Atriplex polysericea* 7
- Prohadrone* 7

Dona Ana

Las Cruces
Musilla Park
same plants

Musilla Park, Aug 1.

- Zenaidura* 316 com
- Oryzopsis vociferans* 273 1
- Lophortyx gambeli* 75 head
- Tyrannus vociferans* 448 a few
- Lanius* 627 "
- Carpodacus frontalis* 511 com.
- Quercus laevis* 599 1
- Hirundo* 613 abn.
- Chordeiles texensis* 421 com.
- Auriparus flaviceps*, stems 746
- University Coll.
- Mimus lucasana* 703 com
- Icteria virens* 623 1 head
- Sturnella* 556 com

- Citellus s. arizonae* spec.
- Perodipus ordi* "
- Sigmodon bebbianus* "
- Nepetinus* "
- houses and stumps
- gopher hills mounds

Aug. 2 to El Paso of Aug

Lanark

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

Prosopis glandulosa, low
Covillea in places
Yucca radiosa abn
Fouquieria com in places
Ephedra trifurcata abn
Zizyphus com
Atriplex canescens, a little

Arroyo same

Deming

~~Chloris~~
Hirundo 43 abn
Passer domesticus 418 com
Tyrannus vociferans 418 com
Ceryle cyathoceros 457 a few
Otocoris 477
Zenaidura 316 a few
Cathartes aura 305 2

Aug. 3 To Silver City -
& back to Deming

Aug. 4 Deming 10: 4333

Prosopis glandulosa abn
Yucca radiosa "
Ephedra trifurcata "
Artemisia tridentata "
Flourensia cernua, local "
Zizyphus "
Lycium arborescens "
" pallidum a few "
Atriplex canescens com
Hesperis "
Covillea 5 slopes, abn.
Fouquieria com
" 10 miles

Koeberlinia spinesa com.
Covillea 15 to 20 mi. abn
Flourensia "
Lycium arborescens "
Yucca trifurcata a few
Natalia ponderosa a few

Evening to Antelope Ranch

Tyrannus vociferans ⁴⁴⁸ a few
 Corvus cryptoleucus ⁴⁶⁷ com
 2 nests, 2 eggs, food.
 Buteo swainsoni? 2
 Otocoris com.
 Sayornis saya ⁴⁵⁷ 1
 Oxyechus 2-3
 Callipepla 293
 Lanius 622
 Waterbury's

Aug 5
 Corvus cryptoleucus ⁴⁵⁷ com
 Buteo swainsoni ³⁴² 2
 Otocoris 411 com
 Melanerpes 605 70
 Lanius 102 1
 Speotyto 172 com
 Oxyechus 213 at tank
 Amphispiza bilineata ^{573a}
 Sayornis saya ⁴⁵⁷ 1
 Zenaidura 1 at tank

Tank 4820
 Toxostoma 1
 Campylorhynchus 713 1/2

Aug 5, Ranch 4600

Quilha com
 Clavensia 4
 Lycopodium 4
 Phidros 11
 Koeleria com
 Yucca radiata 11
 Opuntia schottii a few
 " leptocaulis 11
 " longimantha 11
 " sp. und 11
 Yucca macrocarpa 11
 Intermedia 4500

Tank 4800
 L. evlei 1000 5000
 gall
 Chroococcus vestigiatus
 cyanobacteria
 Funaria nigricans
 Anisopeltis wongii
 F. idol
 F. guineensis
 F. microphylla
 Yellow bush - Cassia
 Meschamoa reddes

Valley bottom 4700

Ridge 4820
 Haclita 4975
 Summit 4504
 Averoad 4450
 Valley bottom
 Coriaria *trichocarpa* obs
 Fluorenda "
 Rhus *microphylla* "
 Ephedra "
 Koeleria "
 Lycium "
 Yucca *rostrata* "
 Yucca *nancaensis* " obs
 Mesquite " "
 Spring 8 mi 4800

Populus
 Agave
 Fouquieria
 Celtis
 Juniperus
 Yellow flower buds (Coccoloba?)
 Baccharis *stipitata*
 Salix
 Fallegia
 Mimosa *truncata*
 Opuntia *schottii*
 " *leptocaulis*
 " *englemanni*
 Berberis
 Ptelea
 Nolana

Microchloa
 Chilopsis
 Lysium *pallidum*
 Yucca *douglasii*

Diveda 5100
 Yucca *caudata*
 Same as *Yucca*
 Valley below
 Camp Ed 4350

Aug de Camp 4350
 Playa 4300
 Corvus 100
 Bulio 20
 Oxyechus 100
 Euphemia 1
 Tringa 1
 Lanius 1
 Helodytes 1
 Spizella 1
 Melanerpes 1
 Otocorys 1

Salpinctes
 Zonotrichia

Valley de las Playas
 Prosopis glandulosa obs
 Zizyphus 1
 Kochia 4
 Stiplex emersonii 11
 Populus 1
 Salix 1
 Sida 1
 Ephedra
 Fabrygia
 Yucca radiosa
 Bourussia

Ligave 1
 Hibiscus 1
 Yucca baccata
 Mimulus 1
 Solida
 Ipomoea
 Crotalaria

Summit 3500

mainly bare or grassy

Adobe
 glaucus major obs.
 latius ~~wrightii~~
 aureus ~~monti~~ argonice
 Bumelia rigida

Camp n of Amias Peak

Aug 11 5800
 Camp - 7 a.m. 5800
 Quercus emoryi 5500-
 " arizonica " "
 " hypoleuca NE 5800-
 " ~~hypoleuca~~ " "
 Platanus wrightii 5500-6800
 Juglana major 5500-6500
 Impatiens monesperma 5000-
 " pachypleura NE 5800-
 Cereocarpus ~~triflorus~~ ^{papydentatus} NE 5900-7500
 Fragaria velutina " -
 Garrya wrightii 5800-
 Agave palmis short 5300-
 " big " "
 Nolina 5000-6500
 Yucca tall 5000-6900
 Opuntia schottii 5000 -
 Fallugia paracoccinea 5000-
 Cereus " "
 Rhos trilobata 5000-7000
 Ceanothus fendleri 5800-7000
 Vitis arizonica? 5500-6900
 Pinus ~~edulis~~ ^{cembraoides} 6000-7500
 " 3 leaf NE " 7500
~~Chrysothamnus~~ ^{Aymosperma} corymbosum " 5800
 Symplocarpus " "
 Rattus d. monesperma big white NE 6200 7700
 Solanum tuberosum " 7000
 Fendlera rupicola SW 8000
 Ptelea 6300-7900
 Rosa "

Pinus chihuana NE 6500-
 Quercus reticulata " 6500-7500
 " " 7000-
 " " "
 " " 7900
 " " 6900
 " " 7500
 " " 6600-
 " " "
 Prunus salicifolia (black) 6750-
 Water 6750
 Quercus monineans NE 6900-
 Pinus ponderosa on ridge 6900-
~~Symplocarpus~~ ^{Symplocarpus} mollis NE " 7900
 Pteris aquilina " " 7000
 Rosa small " " -
 Pseudotsuga " 7000
 Pinus flexilis ~~strobilifera~~ " " 8000
 Populus tremuloides " " "
 Yagudo " 6900-
 Holodiscus " 7000-
 Pinus arizonica on ridge " 7500
 Anapha 6000-7500

Airinas Mts.

Aug. 7. Camp		5800
<i>Parna woolweberi</i>		com
<i>Salpinctes</i>		"
<i>Aphelocoma</i>		"
<i>Chordeiles nurgii</i>		5
<i>Phalaenoptilus</i>		com
<i>Catherpes</i>		" "
<i>Megascops</i>		"
<i>Glaucoideum</i>		1 head
<i>Bubo</i>		1 killed
<i>Pipilo megalonyx</i>		
<i>Melanerpes formicivorus</i>		a few
<i>Colaptes auratus</i>		1 head
<i>Vireo swainsoni</i>		5500-6700
" <i>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>		7000
<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>Zapus bolsoni</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

Reipalampus spectabilis - 5300
Cyanomys - 5300

Mimus leucoptera a few - 5500
Tyrannus vociferans "
Chondestes
Aquila 1
Cathartes 2
Otocoris
Callipepla
Spizella arizonae
Troglodytes
Heliodytes 2 nests seen
Amphispiza bilineata 1 "
Aquila 2
Godwits 8
Teal, swamps? 10
Tringa vacillans 1
Oxyechus vociferans com
Helidromas solitarius 2
Sparrows
Antio swamperis 2 a few
Falco platensis 1

Dover Valley Aug. 9
to 4800 - 5100

Prosopis
Chilopsis
Bambusa
Fraxinus
Salix 2
Morus

Gray Ranch 5200
to Bat Cave

Quercus arizonae abn
" *enryi* "
Juglans major a few
Ferula "
Juniperus pachyphloea com
Pinus ponderosa 1 tree seen
Pinus ponderosa, *resinifera*
Yucca 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, com.
Thomomys com.
Canis mex - "
Canis mearnsi 1 "
~~*Lynx baileyi*~~ "
~~*Felis*~~ a few
Urocyon
Vulpes macrotis, com.
Nasua 1 killed a month ago
Lepus, com.
Felis onca 1 5 years ago

To Lang Ranch

Antelope 4
 said to be seen 30 (5 or 7)
 and 35 in bunches
 Canyons abn. all along
Dipodomys spectabilis, com.
Citellus palmeri 1
Lepus gilviventris, said to occur
Felis com.
Thomomys 10

Aug 10 To Lang Ranch

Otocoris com.
Ammospermum "
Sturnella 1
Pooecetes 1
Falco phalaena 1

Ridge across valley 5200
Lang Ranch 5100

Sigmodon
Uta stansburiana 2
Dactylopsax 1
Cynomys
Dipodomys spectabilis

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

Aug. 11. Lang Ranch 5100

Synchelus
T. Ag. mexicanus 1
Buteo swainsoni 8
" *white* 1
Cathartes com
Agelaius 1
Otocoris com

Citellus spilosoma 1
" *parvidens* 2

Antelope 1
Pass 3000

Nolina
Opuntia acutata
" *lindeheimeri*?

Quercus emoryi
" *cinerea*
Yucca (this boy)

" *macrocarpa* *baeri*
Prosopis juliflora slopes
Agave palm
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
Aphelocoma 2
Spizella breweri 2
Pyrrhuloxia
Tyrannus vociferans
Mniotilta
Carpodacus mexicanus
Spizella socialis
Zonotrichia
Cathartes
Heliodiastes 2
Mimus mexicanus com

Culbertson Ranch 5000
Chondestes

Geococcyx
Coccyz oryzivorus

Edge of valley 4830
High Loaves dome 4750

Aug. 12, Hig Lonsome 4700

Felis mexicana a
Buteo swainsoni "
 " *calurus* "
Felis palmeri "
Vireo leucaptes "
Heliodorus "
Otocoris com
Melospiza 1
Coccyz oryzivorus com
Tyrannus vociferans "
Toxostoma a few
Zenaidura a few
Cathartes com
Paranga loricata 2
Geococcyx 2
Zenaidura a few
Amphispiza bilineata "
Toxostoma palmeri ? 1
Dryobates s. bairdi 1

Ovis mex. - in Hatchet Mts.
Antelope 1 (13 Round Deer)
Lepus macconnisi many
Dipodomys spectabilis com
Lepus arizonae "
Lepus arizonae "
Lepus tex "
Cynomys "

Aug. 12, Playas

Yucca radiosa abun
Prosopis com in part
Juglans nigra
Chilopsis along wash
Zizyphus com
Koeberlinia "
Lycium arborescens com
Atriplex canescens "
Gutierrezia "
Flourensia
Rhus microphylla, a little

Siemega Ranch 4400

~~*Toxostoma palmeri*?~~ 1
~~*Geococcyx*~~
Populus ~~trichocarpa~~ trichocarpa at ranch

Hatchet Ranch 43500

Populus acuminata
Milium
Covillea on mesa
Fouquieria on hills

Hachita 4600

Aug. 13

Arachuta to Laredo

Aug. 14 To Deming

Deming to Silver

Asio accipiter 1

Spizella monticola caught at
the bridge over the
Gila, 6 miles east of
Laredo. Said to be in
the box near the river.

Aug. 16 Silver City

- Buteo calurus* 3376 1
- Zenaidura* 316 a few
- Cathartes* 125 "
- Aphelocoma* 428 "
- Mimus lunifrons* 708 "
- Dryobates holoserpus* 313 1
- Merula m. propinqua* 447 4+47
- Tyrannus vociferans* 448 com
- Carpodacus frontalis* 319 "
- Passer domesticus* in town a
- Pipilo f. woodhousei* 591 "
- Taxostora curvirostra* 707 2
- Salpinctes* 715 1
- Hirundo* 2 in town 613
- Astragalinus nevadensis* 530 a few
- Zootheryx gambeli* 275 12 det + yg.
- Phainopepla* 1620 1 ♀ in nest
- Chondestes v. harrisi* 2 421
- Tyrannus vociferans* 448 300 in evening

Silver City Aug. 14.

up Silver Cr. 5 mi.

Quercus major big, com.

Juniperus monosperma

" pachyphloea,

Pinus edulis

" ponderosa com. N.

Prunus ocalifolia "

Quercus emoryi

" arizonae shrub

Agave. abn.

Nolina "

Yucca baccata com.

" radiosa a few S.

Cercocarpus parviflorus, com.

Aug. 14 Silver

Aug. 20 90 S 4100
Sialia occidentalis 967 com.
Pipilo mesoleucus 991 "
 " *negubonys* 488 "
Aphelocoma 477 "
Zenaidura macroura 1
Dryobates histricus com.
Colaptes 1
Tyrannus vociferans 443 com.
Contopus richardsoni 414
Litta nelsoni 727 1
Ammodramus binnocetatus 1
Spizella arizonae abn.
Dendroica auduboni com.
Cyanoccephalus 472 1
 fl.
Zenaidura 316 com.
Cathartes 421 "
Falco phalaena 5
Salpinctes 2

Camp on N. Fork Sappillo, Terry Co.
 9700 feet.

Ceryle alcyon 11 H. 2/3
Melanerpes formicivorus 310 com.
Asyndesmus 488 after
Melanerpes 276

Aug. 21 Over to Little Rocky Co.
 Camp 7700 on top of ridge 8200
 Camp on Little Rocky 8000
Selasphorus platycircus 432 com.
Auricitta 479 "
Cyanocitta 393 "
Dryobates histricus 6. after
Troglodytes aedon 727 "
 " *pygmaea* 730 abn.
Alcedo 757 com.
Buceo 570 li
Contopus richardsoni 467 after
Spizella arizonae 1
Dendroica auduboni 656 com.
Dendroica auduboni 620 1
Atlapetes picta 688 2
Aythya 726 1
Cyanocitta 738 com.
Regulus 2
Pipilo arizonae 560 com.
Selasphorus platycircus 782 abn.
Cathartes 325 "
Dendroica auduboni 312 2
Cephaelis 514 1
Zenaidura macroura 615 after

Aug. 21, Camp - Rocky Cr

Pinus ponderosa NE 6500-
" strobiliformis N slope
" edulis

Pseudotsuga
Juniperus pachyphloea s. slope
" monosperma "

Quercus emeryi "
" arizonae "
" gambelii NE slope

Populus angustifolia NE slope
Salix

Populus tremuloides NE 8500-

Holodiscus
Symptlocarpus
Ribes
Rubus

Pentstemon baccatus

Qilia longiflora
Potentilla (various)
Quercus hypoleuca 9000

Abies concolor 9700-

Populus tremuloides " "

Pachystima " "

Cerastium minus " 8500-

Ceanothus f. ... 9000-

Berberis pedunculata 8000-9000

Mussaenda baccata SN - 8000

Rosa

Aug. 22, 15100
Up Black Mt.

Open Spruce 9500

9750

Populus
Pinus ponderosa
flexilis
Pseudotsuga

Abies concolor
Abies tremuloides
Quercus gambelii

Juniperus monosperma
Ledebouria
Symptlocarpus

Rubus
Urtica
Sedum

Urtica
Sedum
Sedum

Sedum

Folies of Rocky 9700

Abies glabra NE 9800
Cornus "

Quercus purshiana "

Aug, 24

Roddy Cr. Camp 9. 8100
 Forks of Roddy 7700
 Mesa 8200
 Black R Δ 7200
 Coon Forest
 Abies grandis
 Mesa top 8000
 Diamond Creek 6800
 Pinus ponderosa com.
 " edulis " "
 Juniperus ^{sw.} ~~padophloea~~ " "
 " ~~monosperma~~ " "
 Quercus arizonica " "
 " gambelii " "
 Solanum tuberosum com. on flats
 Centaurea " "
 Sedix " "
 Ribes aureum a few
 Rhus trilobata com
 Ceruus hudsonicus 331 1
 Cathartes aura 375 com
 Cathartes 718 "
 Troglodytes 721 "
 Geothlypis tolmazi 680 1
 Coturnix 296 said to be com.
 Bubo 375 1 head

Aug-25

Camp on Diamond Cr. 6800
 top of ridge 7200
 at Ft. Gila 6700
 Camp at Beaver Cr. 6800
 Pinus ponderosa com.
 " edulis "
 Juniperus monosperma "
 " ~~padophloea~~ "
 Quercus arizonica "
 Juglans major "
 Populus angustifolia abn.
 Negundo a few
 Alnus 1 tree
 Celtis a few.
 Vitis abn
 Ampelopsis a few
 Forestiera com.
 Ribes aureum a few
 Rhus ^{big} trilobata com.
 Yucca baccata "
 Opuntia arborescens? a little
 " big pad com.
 " small pad "
 Carex com. on rocks
 Mammillaria a few
 Ferula repens on rocks
 Argemone hispida com
 Devils horns "

E. Fork Gila - Aug. 25+

Cathartes aura	325	a few
Buteo calurus	2376	1
Falco sparverius	708	
Aetitis vocularia		1
Pipilo maculatus	72	4
Petrochelidon	14 nests	
Catherpes	com.	heard
Astragalinus		com
Cyanocapulus		heard
Tyrannus verticalis	413	1
Ardea herodias	17	1
Chondestes		2
Spirilla arizonae		com
Stelpnetus	715	a few
Sitta bairdi	747	com.
Selasphorus platycircus	422	a few
Bubo	475	dd + egg.
Oxyechus roopera	272	heard
Parus gambeli	722	com
Carpodacus frontalis	519	
Buteo swainsoni	7330	2
Colaptes	413	2
Zenaidura	516	2
Columba passerina	412	2
Coccyzus erythrorhynchos		

Aug. 26. Camp 7500

Tyrannus verticalis 7300
 7400
 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
 Cyanocapulus 492 com
 Scolecophagus 516 "
 Agelaius 422 "
 Xanthocephalus 497 "
 Myiarchus cinerascens 1111 1
 Tyrannus verticalis? 2
 Anas flexuosa com
 Blackhead 147 2 ♂
 Ruddy 117 4
 Falco anatum 1
 " mexicanus 1
 " phaeola 1
 Accipiter velox 332 1
 Selasphorus platycircus com.
 Sterna 77 2
 Aegya 390 1
 Chordeiles henryi 420 2
 Sitta carolinensis 727 com
 " pygmaea 728 2

<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 punctatus</i>	717	com.
<i>Salpinctes</i>	715	"
<i>Pipilo maculatus</i>	592	"
<i>Zenaidura</i>	316	a few
<i>Sayornis saya</i>	437	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>	139	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>Zonotrichia leucophrys</i> (leucos)	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 sanctus</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 ruii</i>		2
" <i>rufinus</i>		7
<i>Sciurus</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 pusillus</i>		"

Aug. 28 Camp 7500

up Houghton Camp
Mesa top about 8000.

Summit of spur of Elk Mts. 9000
8600

Camp 8600

Aug. 29, Camp 8600

open mesa 8500

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

Aug. 29

Otocoris 474
Sturnella 5016
Ammodramus *parvulus*
Parus 540
Chondestes 552
Sialia *larrea* 767
 " *arctica* 1 765
Spizella *arizonae* 500
Salpinctes 115
Falco sparverius
Sitta *pygmaea* 727

up Elk Mts.

Junco *dossoletis* 5700
Cyanocitta 178
Dryobates *hyloscopus* 392

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*, steep SW. - 8800
Juniperus *pachyphloia* " - "
Arctostaphylos *arizonae* " " - "
Pseudotsuga SW 8800-10200
Populus *trichocarpa* SW 10000-10200
Quercus *garibaldii* NE 8800-10200
Abies *concolor* NE 9000-10000
Arctostaphylos *uva-ursi* NE 8800-10000
Juniperus *communis* NE 9000-10200
Holodiscus 9000-10000
Oxytropis " - 1000
Berberis *repens* " - 1000
Ribes *cereum* - 1000
 " *spicy* " - 10200
Gordonia 10000-10200
Symphoricarpos *uropycnus* - 10000
 " *moths* SW, 10000-10200
Salix 8700-10200
Rhus *glabra* 10000-10200
Pachystima " - "
Ribes *sanguineum* " - "
Picea *mariana* *mill.* - 8800

Aug. 30 Camp + 8650
 Snow Creek 8500
Dists 8600
 Antelope 18
 Down Beaverdam Cr.
 Wolf tracks 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
 Zinnibursa 316
 Cathartes 717
 Sialia 715
 Falco sparverius 360
 Cyanocitta 478
 Habia 596
 Astragalinus mex 530
 Glaucidium gnoma 379

Negato Canyon 7200

- Pinus ponderosa NE + bottom
- Pseudotsuga N.E.
- Quercus gambelii NE
- " azonae SW
- Populus angustifolia bottom
- Regulus - 7000
- Juglans - "
- Platanus - 7200
- Juniperus polyphloea
- " scopulorum, bottom
- Forestiera 7000
- Rhamnus purshiana "
- Vitis "
- Alnus tree "
- Ferula - 6500
- Pfeffer "
- Fendlera SW
- Ribes cereum - 7200
- " spiny - "
- Rhus glabra 6500-7000
- " trilobata SW - 7200
- Populus acuminata a few 6300
- Platanus wrightii - 6500 ~~7000~~
- Cercocarpus pauciflorus SW
- Yucca baccata "
- Molina " 6400
- Agave 6300
- Spartina schottii "
- " flat "
- Populus wislizeni

Francisco River 6100

- Camp near Reservoir 6200
- Pinus ponderosa
- " edulis
- Juniperus polyphloea
- " ^{novosperma} ~~novosperma~~ ^{mexicana}
- Quercus azonae
- Populus angustifolia
- " wislizeni
- " acuminata
- Salix narrow leaf
- "
- Forestiera
- Rhus trilobata
- Juglans major
- Vitis
- Lupinus
- Agave spp.
- Yucca baccata
- " glauca
- Spartina schottii
- " flat
- Argemone
- Mertensia
- Chryse
- Digitalis purpurea
- "
- Gutierrezia
- Coumaria mexicana
- Fellugia

Frizeo Sept 1-3.

Buteo b. calurus 1 337 1/2
 Circus 337 1
 Falco sparverius 260 com
 Accipiter velox 22 1
 Bubo heard
 Geococcyx said to be com.
 Falco sparverius gambeli 25 com
 Cyrtornyx meansi 296 1
 Dryobates villosus 273
 Melanerpes p. bairdi 47 1
 Colaptes collaris 413 com
 Sayornis saya 407 "
 Contopus richardsoni 462 heard
 Empidonax "
 Aphelocoma 450 com
 Cyanocaptes 478 abu.
 Minimus lucoptera 702 1
 Habia melanocephala 96 1
 Passer gambeli 738 com
 Baeolophus 732a "
 Pipilo arcticus 528 com
 " vesidunus 392 1
 Geothlypis tolmayi 680 1
 Zenaidura 316 com
 Cathartes 225 "
 Tyrannus vociferans 448 1
 Astreptopus 529 com
 Aquila 2 349

Sept. 3, Camp 6400
 Museo 6800

San Francisco Mts

10 miles 7300
 1 less in miles 7700
 1 ridge 8650
 1 peak 9000
 1 349 1
 1 312 7500 + 8500
 1 310
 1 360 1
 1 407 seen holes abn
 1 413 com
 1 373 com
 1 462 1
 1 433 com
 1 432 "
 1 570 1
 1 668 com
 1 652 "
 1 446 com
 1 485 1
 1 721 com
 1 730 abu
 1 478 com
 1 492 "
 1 761 abu
 1 767 com
 1 627 4
 1 480 com apt 8500 5/1
 1 607 ♀ 18500

San Francisco Mts

Taxodium floridense 615
Quercus 377 1 dead at 5500
Parus gambeli 738 1 on SW @ 5500
Vireo swainsoni 637 4
Picocorax 49 1 on SW 1000 ft

San Francisco Mts

Pinus edulis on steep slopes - 8500
 SW - 8000
 NE - 6500 - 8500
 SW 7500 -
 " *ponderosa* NE 8000 -
 " *strobus* NE 8000 -
Pseudotsuga NE 8000 -
Abies concolor NE 8000 -
Robina monosperma NE 8000 -
 SW - 8000 -
Quercus gambeli NE 6500 - 9000
 on steep slopes to 8500
Quercus agrifolia SW - 8000
 steep slopes - 8500
Juniperus pachyphloea SW - 8000
 on steep slopes to 8500
 " *monosperma* SW - 8000
Juniperus nana up to 7300
Populus angustifolia 8000
Salix up to 7300
Prunella tremuloides NE 8000 -
Cornus 8000 - 9000
Rubus " " "
Potentilla " " "
Galium aggregatum " " "

Anna Valley Sep. 4+6
 Ardea herodias 194
 Merganser 310 2 birds
 Buteo swainsoni 13376
 Falco sparverius 360
 Circus cyaneus 390
 T. auripes 407
 Colaptes 413
 D. hyemalis 372
 Sialia sialis 473
 " platyrrhynchos 472
 Cyanocitta 478
 Sayornis saya 457
 Zonotrichia querula 448
 Epigella aurizon 560
 Ammodramus 542
 Sitta pygmaea 750
 " 738
 Sialia arctica 774
 " 767
 B. v. 717
 Troglodytes 721
 Glaucochloa 379
 Cyanocitta 492

Anna Valley
 Pinus ponderosa
 " edulis
 " strobiformis
 Juniperus pachyphloea
 " monosperma
 B. v. arizonae
 " gambelii
 Populus tremuloides
 " tremuloides
 N. georgiana
 Odocoileus columbianus
 " leucurus
 Sciurus aberti
 Callospermophilus lateralis
 Citellus grammurus
 Eutamias dorsalis
 " emimontis
 Neotoma pallata
 Onychomys leucogaster
 Peromyscus truei
 " r. r. r.
 " r. r. r.
 Microtus montanus
 Lynx
 Ursus
 Canis americanus
 Procyon
 Mephitis
 Taxidea, tracks

Sept 7 Camp

7402

Cerro del Norte Sept 7

Bush Valley

8000

C. acuta 319

2

10000

Camp

9000

C. fragilis 320

1

10100

Big Park on Hill

10100

C. androgynus 327

1

"

Light house

10450

C. repens 475

1

"

Peak of East

10500

C. cyclops 545

1

10500

Pinus ponderosa

10500

C. radicans 570

1

10500

" stricklandii

10500

C. repens 475

1

10500

Pseudotsuga

10500

C. repens 475

1

10500

Pteris

10500

C. repens 475

1

10500

Picea canadensis 9000

9000

" engelmannii 10000-10500

10000-10500

Abies balsamea 9000

9000

" concolor 10000

10000

Populus tremuloides 9000

9000

Thuja occidentalis

"

Ribes bigelovii

10500

Fragaria virginiana

10500

Rubus cuneifolius

"

Holcus glaber

"

C. cordata 9000

9000

Ribes cereum SW

10500

Wyethia bigelovii

"

Composita

"

Gentiana

"

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

C. repens 475

749

C. repens 475

Sept 8, Camp 9100

Parrot Valley

Melanerpes formicivorus 417

Colaptes cafer 413

Sitta carolinensis 413

Sitta carolinensis 720

Sitta carolinensis 757

Sitta carolinensis 757

Sitta carolinensis 757

Sitta carolinensis 757

Sitta carolinensis 757

Sitta carolinensis 757

Alpine

Speotyto cunicularia 510

Notiornis

Notiornis 448 2

Notiornis 457 3

Notiornis 457 4

Notiornis 457 5

F. ponderosa

F. endotranga

F. verreauxi gambeli

F. erythrorhynchos

Alpine 8400

F. pulcherrima

F. ...

F. ...

F. ...

Summit 9100

1. triax 8400

2. ... 8500

Notiornis

Notiornis ... 50

Notiornis ...

F. ...

F. ...

F. ...

F. ...

F. ...

Sept. 9, Camp 8500

Loxia 5
 Springerville 7500
 Cereus 1
 Buteo swainsoni 2
 Tyrannus vociferans 3
 Myiarchus
 Empidonax sora 2
 Sceloporus 1
 Xanthocephalus 4
 Sturnella neglecta 2
 Aidichroodius 2
 Geococcyx vociferans 2
 Geopelia striata 2
 Coturnix 2
 Turquoise-browed Motmot 2
 Tachycineta thalassina 1
 Aphelocoma 5
 Cyanocaptes 1
 Corticospiza 1

Sept. 10 Camp 8200

10. citreus 1
 Cyanocitta 3
 Sitta pygmaea 1
 Chondestes collaris 4
 Z. stricklandi 1
 Sitta carolinensis 1
 2. diplocephala 4
 3. platyrhynchos 4
 Aquila 1
 20th Sept. P. 8/25
 Sitta melanurus 1
 P. ... 1

Sept 10

Little Gila-R: 8125

Alnus long R

Saxifraga

Hesperis

Pinus ponderosa

Populus tremuloides N 2

Quercus 8250

Camp 2 - 8400

Sept 11, Camp 8400

up Thomas Peak to 11280

Melospiza 8400 - 9400

Dendroica 6 at 9000 path to 10000

Ceryle 1 at 8300

Colaptes com

Geothlypis trichas a few

Cyanocitta com

Merula abun

Lindroica auduboni "

Sitta nelsoni a few

" pygmaea com

Turdus dorsalis com 8000 - 11000

Regulus satrapa com

Parus gambeli com - 9300

Sialia arctica " 9000 - 9400

Cyanocitta a flock at 9100

Otocoris a few " 9000

Poocetes " " "

Helidromas edentatus 2 " 9100

Ochetus 2 "

Oxyechus vociferus 3 "

Anas boschas 35 "

Nettion 3 "

Querquedula discors 2 "

Myadestes 2 10000

Muscipora 1 at 9000 + 1 at 11300

Pipilo 2, 9500 + 10500

Cinclus mexicanus (H) 1 at 8400

Sept 14

Muscipora vociferi 1 8000

Sept. 14 Camp
Piranga ludoviciana 1

Sept. 11 Camp - 8500
Up Bonnet Peak to 11200
Pinus ponderosa S.W. - 9500
Pseudotsuga " - 10000
Pinus strobus " - "
Alnus along Cr. - 8500 +
Amelanchier " "
Ribes cereum - 9500
" glabrum 8500 -
Rubus nutkanus 8000 - 10000 NE
Cornus asperifolia NE 8000 - 9000 +
Rosa " " " +
Berberis repens " " " "
Ruttenom b. torreyi SW " - "
Gilia agrigata " " " "
Pteris aquilina " " " "
Fragaria speciosa " " " "
Cnicus not along Cr. -
" yellow 8500 - 9500
Vetch 2 SW 8000 - 9000
Wild Chex " " " "
Cymopterus
Aphanostictis
Aster
Madia?
Potentilla
Artemisia, not listed -

Populus angustifolia along Cr. - 8000

Sept. 11 - Inp Mts.

<i>Populus tremuloides</i>	NE	8000-10000
<i>Picea pungens</i>	"	"
" <i>mariana</i>	"	11200
<i>Abies concolor</i>	"	8000-9500
" <i>arizonae</i>	"	8500-10200
<i>Salix (cordata?)</i>	"	10200
" <i>purpurea</i>	"	9200
<i>Quercus glabra</i>	NE	8500-9500
<i>Juniperus</i>	"	10200
<i>Vaccinium cespitosum</i>	"	11200
<i>Linnaea borealis</i>	"	"
<i>Lycopodium canadense</i>	"	10000
<i>Lonicera conjugialis</i>	"	"
" <i>involuta</i>	"	11200
<i>Symptlocos racemosa</i>	"	10000
<i>Chimaphila umbellata</i>	"	"
<i>Ribes sanguinum</i>	"	11200
" <i>(spiny)</i>	"	"
<i>Sambucus canadensis</i>	"	9500
<i>Sorbus sambucifolia</i>	"	10000-10200
<i>Rubus (burr)</i>	"	9000-10000
<i>Fragaria glauca</i>	"	8500-10000
<i>Veratrum</i>	"	"
<i>Pigrola aranda</i>	NE	"
<i>Cnicus ochroleucus</i>	"	9500
<i>Polygonum racemosum</i>	"	9000-10000

Top of Peak at 11200

<i>Rhodiola</i>	spec
<i>Hemiphysalis</i>	"
<i>Potentilla</i>	"
<i>Companula</i>	8500-
<i>Asclepias</i>	"
<i>Solidago</i>	"
<i>Gentiana</i>	8500-
<i>Schwertia</i>	"
<i>Ribes coccineum</i>	10200-
" <i>sanguinum</i>	8500-
<i>Lonicera involuta</i>	"
<i>Picea mariana</i> , dwarfed	"
<i>Helianthus</i>	big yellow, 8500-
"	little "
<i>Mertensia</i>	"
<i>Diata</i> woolly	"
"	tufted
<i>Arunaria</i>	"
"	"
<i>Vaccinium cespitosum</i>	8500-
<i>Polemonium</i>	"
<i>Epilobium</i>	"
<i>Cyanopterus</i>	big
"	little
<i>Saururus</i>	"
<i>Pentstemon</i>	"
<i>Pedicularis</i>	"

Sept. 17, Springville

7000

Populus angustifolia doug R

Alnus

Salix

Corylus

Antennaria

Bigelovia

Helianthus annuus

Helianthus

Achillea latifolia

Argemone

Crucifera

Xanthoxylum

Aster

Scirpus douglossii

Berberis

Lycium pallidum

Erodia lanata

Atriplex canescens

Cylindropuntia acutata

Aster

Alnus

Walnut Root

6200

Festuca

Juncus

Lactuca

6000

Cornus

Dalea serotina

Opuntia, flat, small

Yucca glauca

Smilax

Sept. 17, Springville

Chaetochloa stipens 50

Neurichia longirostris 6

Beta 7

Cirsium 7

Fucus sparceus com

Synobates blaneopus 1

Aspidosiphon 4

Selasphorus rufus com

Selasphorus polygenus com

Zenaidura 2

Cathartes 1

Sayornis saya 3

Psittacus com

Coturniculus bairdi com

Coturniculus bairdi com

Otocoris 4

Euphagus com

Xanthocephalus com

Pipilo chlorurus 2

Herodias 1

Carpodacus frontalis 3

Aythya 3

Tamias 1

Ardea 1 dead

Buteo calurus 2

Buteo swainsoni 1

Struthio 5

Selphidia 1 Las Vegas

Cathartes 1 " "

Sept. 18 Camp Las Mesas

<i>Nectoma lipida</i>	2	
<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>Agouti</i>	<i>gambelii</i>	"

Sept. 18 St. Johns

Thrup 3 mi below 5000 ft

Antelope	a few
<i>Nectoma lipida</i>	abn
<i>Perithodentomys</i>	3
<i>Mus musculus</i>	1
<i>Lepus arizonae</i>	com
<i>texensis</i>	"
<i>Thomomys</i>	beds "
<i>Perodipus</i>	tracks "
<i>Cariacus</i>	nearby "
<i>Taxidea</i>	" "
<i>Mephitis</i>	tracks

Sept. 19 St. Johns Camp

<i>Spectylo</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>Vireo</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>Spectylo</i>	1
<i>Elanus</i>	4

Sept. 19, St. Johns,
Atriplex canescens abn
 " *confertifolia* com
Populus (leaf) a few
Salix com
Suaeda "
Sarcobatus grass abn.

Zuni Valley

Atriplex canescens abn
 " *confertifolia* "
Sarcobatus *compressatus* a few
Pegiloma
Gutierrezia
Juniperus monosperma
Salix
Ephedra here
Artemisia " *fontinalis* "
Artemisia filiplex
Opuntia small pad
Glycyrrhiza, low,
Croton
Chenopodium
Hibiscus
Adiantum
Pegelaria canescens
 leaves
Gutierrezia
Eurotia lanata
 to Zuni

Sept. 20, Camp, Zuni R.
Antilocapra tracks
Amurospumulus 1
Neotoma obliqua com
 " *bushy tail* 4
Onychomys leucogaster 2
Perodipus longicaudatus 1
Perodipus abn
Perognathus "
Lepus texianus com
 " *arizonae* 4
Cynomys gunnisoni 4
Canis latrans "
 " *occidentalis* a few
Faxides
Erethizon track & skull

Zuni R. at line

Peromyscus truei
Perodipus longicaudatus 1
Perognathus abn
Cynomys 2
Hesperomys 1

Ips. Caliente

Citellus spilosus 1 in
Mephitis track

Sept. 21 Camp

Ojo Caliente

Zuni

Zuni Dam

Sept. 22, Camp

Pinus edulis

Juniperus monosperma

Bigelovia aculeata, fig

" *capitata*

" *dark green*

Gutierrezia

" *Helianthella*

Helianthus annuus

Artemisia filipolia

" *"tridentata"*

Lycium pallidum

Atriplex canescens

Sarcobatus

Aloume

Croton

Opuntia, small flat

" " round

Sida

Solanum blue

Rubus, big leaf - a few

Atropa tridentata, a little

Sept. 22, Zuni north

Pinus ponderosa, a few

Artemisia tridentata abn

Yucca glauca

" *pacifica* 7 mi

Forestiera

Baccharis gambelii

Pinus ponderosa

Juniperus scopulorum 20 ft

" *monosperma* abn

Pinus edulis

Tetradymia canescens 7 mi

Zuni Valley

Atthis grammacus 1
Eutamias dorsalis 3
Cynomys guntoni 5
Nestor 2
Dryobates heard
Thryothorus 1
Perodipus "
Perisoreus heard
Lepus arizonae 1
" texensis "
Sciurus (growing)
Canis latrans 1
Taxidea "
Mephitis "

Sept. 21 Birds

C. montanus
Zenaidura
Buteo
Aquila imperialis 2 flying
Bubo 1
Falco sparverius 1
Circus
Cornus sinuata 1
Euphagus
Lanius
Tyrannus vociferans 2
Sayornis saya 4
Colaptes 1

Sept. 22, Owl House

Cathartes aura 1
Syrnium nebulosus 4
Ascendens 408 1
Sitta pygmaea 730 1
Sialia bairdi 767 "
Spizella arizonae 560 "
Spizella breweri 562 "
Salpinctes 715 3
Myiarchus cinerascens 754 1
Amphispiza bilineata 480 "
Coccyzus 540 "
Buteo j. calurus 3176 1
Bartholomaeus 7220 1
Bubo 375 heard

Sept. 23 to Gallup

Sialia arctica 768 3
Carpodacus 519 2
Psaltriparus 794 4
Oroscoptes 702 1
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 merriana

Fouquieria

Atriplex canescens

Sarcobatus

Eurotia lanata

Bigelevoia

" *Gutierrezia*

Asteriscia trichotoma

Anarratis, tumbleweed, ds

Opuntia flat spec

" round "

Mammillaria "

Cercos parviflora? "

Gallup

Cathartes aura 325 com

Dryobates 393 1

Agredastmus 408 H

Sayornis saya 457 1

Corvus sinuatus 486 com

Carpodacus 519 hard

Melospiza lincolni 3 583

Zonotrichia 554

Spizella 560

Aphelocoma 180 com

Cyanocephalus 492 a few

Pipilo megalonyx 588 "

Colaptes 413 "

Balopterus 733 com

Parus gambeli 738 "

Psaltriparus 9 744 "

Helminthophila leucocera 646 "

Polyptila 751 a 1

Salpinctes 715 "

Sialia arctica 768 "

" *harrisi* 767 "

Catherpes 717 (

Passer domesticus P.d. com

Dendroica auduboni 1 656

Mniotilta 754

Otocorys 702

Amphispiza bilineata 574.1 1

Gallup

Eutamias dorsalis
Citellus grammurus
Cynomys gunnisoni
Peromyscus truei
 " *socius*
 " *texensis* /
Neotoma albigula
 " *floridana*
Perognathus
Psaltriparus
Thryothorus ~~poor. rostratus~~
Tepus alizonae
 " *texensis*
Cavia latrans
Taxidea

Sept. 27, left Gallup

Rock Springs

Camp 2 mi w of Rock Sp.

Sept. 29. Camp 8:30

Otocoris 474
 " *proseptus* 702
 a few *Amphispiza nevadensis* 574.1
Spizella 560
Lanius 622
Colaptes 413
Dendroica auduboni 656
 " *discolor* 140
Corvus sinuatus 486

Sept 30 Ft. Dyer

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

Oct. 1. Chusea Mts.

- Buteo l. calurus 1
- Dryobates com
- Coccyzus "
- Melanerpes f. bairdi 3
- Cyanocitta a few flocks com
- Cyanocitta "
- Turdus dorsalis "
- " mearnsi "
- Sitta pygmaea "
- " nelsoni "
- Zonotrichia "
- Dendroica auduboni "
- Calendula (Regulus) "
- Parus gambeli "
- Sialia arctica "
- " bairdi "
- Spinus pinus 1 com
- Merula 2
- Aphila chrysateros 1
- Coccyz susiatus 2
- Turdus carolinensis com

Oct. 2 9000 foot camp

- Melospiza lincolni 1 com
- Troglodytes 2
- Pipilo arcticus 1
- Chondestes streperus 12
- Oreoquada discors 20
- Nuttall's carolinensis 4
- Falco 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 ¹⁵⁰⁰ 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 nutkanus
- " 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 gambelii

Arctostaphylos uva-ursa

Ceanothus

Rosa

Berberis repens

Chamaenerion

Fragaria glauca

Fragaria speciosa

Pteris aquilina

Robes cereum

Prunus, chokeberry

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 4
 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} ~~leucurus~~ "
 Callospermophilus "
 Onychomys leucogaster com
 Citellus grammurus, in canyon
 Neotoma fallax com
 Peromyscus rufinus com
 " "
 Microtus mordax "
 Thomomys fossor "
 " apache "
 " aureus 1
 Perodipus in canyon
 Lepus sordidus 7000-9000
 Euthizon 3 sp. com
 Canis latrans com
 Urocyon
 Lynx
 Felis?
 Canis occidentalis tracks
 Ursus americanus "
 Taxidea "
 Mephitis "
 Sorex in canyon
 1 caught

J.W. Pinketas Jr.

Silver City,

Pablo Abieta, 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, Missiles 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.

1. Black
country
W. of
St. Louis, Missouri

1829
Notes for Thomas

Notes on Notes
country with
Notes on

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Notes on

Notes on

John W. Thompson
Freemason

Jean Tolson
Book - Grand Lodge

Anthony Long
Springfield
part of the ...

Charles ...

Wesley

- 1908 -

Month	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	...	...	...	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	31	...
October	...	...	...	...	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	31
August	...	...	...	...	...	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
	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	...	...	...	...	...
September	...	...	...	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	...	...	...	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	31	...

Edward

