





THE LIBRARY SMITHSONIAN INSTITUTION WASHINGTON DC

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Edgar A. Mearns

(for correct names see
notebook 105 of Mr. Painter's series).

1902

SMITHSONIAN INSTITUTION THE LIBRARY

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Mammals.

No.	Name	Locality	ex nd ge	Date 1896	Total length	Tail vent.	Tail hair	Hind foot	Ear from crown	Ear from nostril	Head	Remarks.
4255	<i>Scalops aquaticus</i>	Fort Meyer, Arlington Cemetery, Va.	ad.	Nov. 15	154	27	hind foot, 19 by 9 f. foot, 23 by 20				42	Winter coat half molted.
4256	<i>Microtus pinetorum</i>	Fort Meyer, Va., near Washington, D. C.	im.	July 30								Very large specimen
4257	<i>Microtus pinetorum</i>	do	im.	Dec. 15								
4258	" "	do	im.	Jan. 6, 1897								
4259	<i>Peromyscus leucopus</i>	do	ad.	Jan. 6	184	86		21.5				
4260	" "	do	im.	"	165	72		20.5				
4261	<i>Microtus pinetorum</i>	do	im.	"	118	22		16.5				
4262	<i>Peromyscus ludovicianus arizonensis</i>	Gang's Ranch, Mon. 66, Wash. Bound Line.	ad.	July 29, 1892								Twelve skulls.
4263	<i>Eptesicus fuscus</i>	Washington, D. C.	ad.	July 30, 1897								Very large.
4264	<i>Scalops aquaticus</i>	Arlington Cemetery, Va.	ad.	April 15, 1897	154	27	hind foot 19 by 9 fore foot 23 by 20				42	Winter coat half molted.
4265	" "	Fort Meyer, Va.	ad.	Autumn 1897								Alcoholic
4266	But <i>Pipistrellus subflavus</i>	do		Aug. 12, 1897	79	alar expanse, 245	forearm, 85 mm.					longest finger, 6 1/2 "
4267	<i>Lepus merriami</i>	Fort Clark, Texas		Nov. 30, 1897								skin of head and skull.
4268	<i>Lepus sylvaticus bachmani</i>	do	ad.	"	365	55	73	82 70	76	62	h. ft. 85	head, 70 mm.
4269	" "	do	ad.	"	360	61	83	78 78	74	62	h. ft. 78	" 70 "
4270	" "	do	ad.	"	375	60	82	86 73	64	56	h. ft. 86	" 73 " skate.
4271	<i>Sciurus ludovicianus limitis</i>	do	im.	Dec. 4, 1897	487	240		68				soles of ft. purplish
4272	" "	do	im.	Dec. 5, 1897	500	245		68				do
4273	<i>Mormoops</i>	do	ad.	Dec. 3, 1897	90	28	alar exp. 373; longest finger, 90; head, 17 1/2					forearm, 56 mm.
4274	<i>Mus musculus</i>	do	ad.	Dec. 9, 1897	184	92		19.2 26	12		26	in my quarters
4275	" "	do	ad.	do	173	87		19. 25.5	11		25.5	do
4276	<i>Lepus merriami</i>	do	ad.	Dec. 11, 1897	600	92		136	152	127	109	
4277	" "	do	ad.	do	609	104		135	150	125	110	
4278	<i>Sigmodon hispidus texianus</i>	do	ad.	Dec. 15, 1897	275	120	125	32	13	18	41	Shot in a brush-fence.
4279	<i>Lepus sylvaticus bachmani</i>	do	ad.	do	385	60	83	88	75	62	72	
4280	" "	do	ad.	do	400	67	90	90	70	60	74	

4 No.	Name and Locality	Sex and age	Date 1897	Length	Tail or ears	Hind foot	Ear from crown	Ear from notch	Length of Head	Remarks 5
4281	<i>Lepus merriami</i>	♀ juv.	Dec. 18-97							Tons brownish yellow. Size of adult <i>Lepus sylvaticus baechmani</i> .
4282	" "	♂ ad.	do	612	11243	135	165	135	110	Weight, 5 lbs. Nape & base of ears, black.
4283	" "	♀ ad.	do	600	10538	121	159	134	102	Weight, 5 lbs. do
4284	" "	♂ ad.	do	600	9828	130	137	116	110	Weight, 6 lbs. Skin of head do
4285	" "	♀ ad.	Dec 21	600	10388	127	147	128	114	Weight 6 lbs. do
4286	" "	♂ ad.	do	585	10888	127	136	118	110	Weight 5 1/2 lbs. do
4287	" "	♂ juv.	Dec. 23	560	9020	127	144	122	108	Weight 4 3/4 lbs. do
4288	<i>Dorcilaphus v. texanus</i>	♂ ad.	Dec. 25							Skin and skull. Type.
4289	" " "	♂ juv.	do							Skull.
4290	" " "	♂ ad.	do							Skull, skin of head, and tail.
4291	" " "	♀ juv.	do							Skull, skin of head and tail.
4292	<i>Lepus merriami</i>	♂ ad.	Dec. 30	590	9830	125	150	125	105	Weight 5 1/2 pounds. Skin & skull.
4293	" "	♀ ad.	do	590	10025	123	146	124	107	Skull only and tail only.
4294	<i>Lepus sylvaticus baechmani</i>	♂ ad.	Jan. 17 1898	385	8482	85	68	60	74	Weight 5 1/4 lbs. Shot by L. di J. Mearns.
4295	" " "	♂ ad.	do	380	80	80	64	54	70	
4296	<i>Lepus merriami</i>	♂ ad.	Jan. 22	580	1035	122	150	125	109	Shot by Louis di J. Mearns. Wt. 5 1/2 lbs.
4297	" "	♂ ad.	Jan. 29	575	931	123	142	122	103	
4298	<i>Procyon hernandezii</i>	♂ juv.	Feb. 7	730	27515	115	54	55	142	
4299	<i>Lepus merriami</i>	♂ ad.	do	617	927	129	150	121	108	
4300	<i>Canis</i>	- ad.	do							Skull only.
4301	<i>Dorcilaphus texanus</i>	♂ ad.	Feb. 8, 1898							
4302	<i>Neotoma micropus</i>	♀ ad.	Mar. 12	Found	did beside Las M. Cr.					Alcoholic. One weathered horn (broken) with fragment of skull.
4303	<i>Spermophilus mex. parvidens</i>	♀ ad.	Mar. 19	258	10	38	3.5	9.5	46	
4304	<i>Nyctinomus</i>	♂ ad.	do	100	4010	80	14	18	21.5	Alcoholic
4305	"	♂ ad.	do							"
4306	"	♂ ad.	do							"
4307	"	♀ ad.	March 21							"
4308	<i>Neotoma micropus</i>	♀ juv.	March 23							"
4309	<i>Peromyscus attwateri</i>	♀ ad.	do	184	927	21.8	15	17	29	" {Contained 3 foetuses measuring 14 mm.
4310	"	♂ juv.	do							"

6 No.	Name and Locality	Sex and age	Date 1898	Length	Tail vertebrae	Tarid hairst	Ear from crown	Ear from nostril	Length of head	7 Remarks
4311	Fort Clark, Texas. <i>Spermophilus m. parvidens</i>	♂ ad.	March 23	286	131	1539	3.5	11.	47	
4312	<i>Peromyscus altwateri</i>	♀ juv.	March 24	Alcoholic						all gray pelage. In hollow oak tree
4313	<i>Spermophilus m. parvidens</i>	♂ ad.	March 25	300	128	1541	4	11	47	alcoholic.
4314	<i>Peromyscus altwateri</i>	♀ juv.	March 26							"
4315	<i>Mycteronimus</i>	♂ ad.	March 27							"
4316	"	♂ ad.	March 28	97	33	28518 exposed grisea	12	15	21.5	"
4317	<i>Spermophilus mex. parvidens</i>	♂ ad.	March 30	305	123	1441	4	11	50	"
4318	" " "	♂ ad.	March 31	280	120	1440	3.5	10.5	47	"
4319	" " "	♂ ad.	April 1	—	—	43	4.	11.	50	" Very large; tail defective
4320	<i>Peromyscus altwateri</i>	♀ ad.	April 4	209	106	112.5	16.	18.5	32	alcoholic. Mammaria $\frac{1}{1}$, $\frac{0}{0}$, $\frac{2}{2}$ = 3 pairs.
4321	" " "	♂ juv.	do	179	91					"
4322	<i>Spermophilus mex. parvidens</i>	♀ juv.	do	282	125					"
4323	" " "	♀ juv.	do							"
4324	" " "	♀ ad.	Apr. 5	291	125	1539	3	10	47	alcoholic.
4325	<i>Peromyscus canus</i>	♂ ad.	Apr 6							"
4326	" " "	♀ juv.	do							"
4327	" " "	♀ juv.	do							"
4328	<i>Mycteronimus</i>	♀ ad.	do							"
4329	<i>Spermophilus mex. parvidens</i>	♀ ad.	do	280	118	1540	3.5	40.5	46	alcoholic. Eviscerated
4330	" " "	♂ ad.	do	300	116	1441	3.5	41.0	47	"
4331	" " "	♂ ad.	do	292	115	1440	3.6	10.7	48	"
4332	" " "	♀ ad.	do	308	126	1542	4.	11.	49	"
4333	" " "	♂ ad.	do	—	—	10	4.	11.	49	Head + body 190; tail defective.
4334	<i>Peromyscus canus</i>	♀ juv.	Apr. 7							alcoholic.
4335	<i>Mycteronimus</i>	♂ ad.	do							"
4336	<i>Neotoma micropus</i>	♀ ad.	Apr. 8	322	135	1438	21	27	51	" { contained 2 foetuses. Mammariae $\frac{0}{0}$ $\frac{0}{0}$ $\frac{2}{2}$ = $\frac{2}{2}$ = 4
4337	<i>Spermophilus mex. parvidens</i>	♀ ad.	do	tail defective	39		3.7	10.	46	Head + body, 175; tail defective.
4338	" " "	♂ ad.	do	290	114	142	4	10.	48	"
4339	" " "	♂ ad.	do	308	125	154	4	10.5	50	"
4340	" " "	♂ ad.	do	312	126	153	4	10.5	47	"

8 No	Name and Locality	Sex and Date age 1898.	Length	Tail vertebrae	Fore limb	Ear from crown	Ear from nostril	Head	9 Remarks
4341	<i>Spermophilus mex. parvidens</i>	♀ ad. April 8	—	295 116	141	3.	10.5	48	Alcoholic; head eaten off by fellow.
4342	" " "	♀ ad. do	285	285	141	3.	10.5	48	" Not pregnant
4343	" " "	♂ ad. do	327	132	152	4.	11.	49	"
4344	" " "	♀ im. do							" Not pregnant.
4345	" " "	♀ im. do							Skin + skull. do
4346	" " "	♂ ad. do	313	126	150	3.	10.5	49	do
4347	" " "	♀ ad. do	318	130	162	3	10.5	50	do Not pregnant.
4348	<i>Neotoma</i>	♂ ad. do	96	35	12	16.5	21		Alcoholic.
4349	<i>Neotoma</i>	♂ ad. do	95	33	297	11.5	16	21	Skin + skull.
4350	<i>Neotoma micropus</i>	♀ ad. Apr. 9	327	133	139	22.5	27	51	Alcoholic.
4351	<i>Spermophilus m. parvidens</i>	♂ ad. do	296	116	150	3.5	10.5	51	
4352	" " "	♂ ad. do	295	118	140	3.5	10.5	50	
4353	" " "	♂ ad. do	309	115	145	4	11	50	
4354	" " "	♀ ad. do	289	120	14	4	11	48	
4355	" " "	♀ ad. Apr. 10	280	110	138	3.5	10.5	47	
4356	" " "	♀ ad. do	286	125	159	3	10.5	46	
4357	" " "	♀ ad. do	285	116	140	3.5	10.5	47.	
4358	" " "	♀ ad. do	287	121	140	3.5	10.5	46	
4359	" " "	♀ ad. do	297	118	142.	4	11	46	
4360	" " "	♀ ad. do							Skull only.
4361	<i>Neotoma micropus</i>	♂ ad. do							Alcoholic.
4362	" " "	♂ ad. April 11.	383	167	171	20.5	28	56	"
4363	" " "	♀ ad. do	365	159	160	25	30	57	"
4364	<i>Spermophilus m. parvidens</i>	♂ ad. do		Tail deficient					Alcoholic.
4365	<i>Didelphis californicus</i>	♀ ad. April 12.	780	370	4	48	58	120	" { young within the marsupial pouch.
4366	<i>Neotoma micropus</i>	♂ im. do							
4367	<i>Spermophilus m. parvidens</i>	♂ ad. do	300	113	141	3.5	10.5	48	
4368	" " "	♂ ad. do	313	116	153	4	11	50	
4369	" " "	♀ ad. do	280	119	149	3	10	46	

Metal
tag No.
3866
3842
3800
3832
3822
3872
3878
3851
3890
3884
3897
3845
3861
3838
3867
3801
3843
3869
3880

10 No.	Name and Locality.	Sex and Date age 1898	Length	Tail vertebrae	hind hair	Ear exam	Ear notch	Head	Remarks	Metal Tag No.
4370	<i>Spermophilus m. parvidens</i>	♀ ad. April 13							Alcoholic. Mutilated.	Metal tag No. 3883
4371	<i>Mus musculus</i>	♂ ad. April 14	176	86	90	10	14	24	" Caught in house	do 3892
4372	<i>Peromyscus attwateri</i>	♂ ad. do	182	97	102			28	"	" 3806
4373	<i>Dorcilaphus americanus texanus</i>	♂ ad. Apr. 24 1897							Pair of horns; old.	—
4374	" <i>texanus</i>	♂ ad. Dec. 25							Piece of skin.	—
3475	" "	♂ ad. 1897							Horns length 11 points.	—
4376	<i>Nyctinomus</i>	♀ ad. April 24	108	37	Alar, 307; 113	17	21		Skull, without mandible. Longest finger, 81; forearm, 43. My quarters,	Alcoholic 3807
4377	"	♀ ad. May 21 1897							"	3803
4378	<i>Dorcilaphus texanus</i>	♂ ad. Dec. 27							Pair of horns.	—

- 4351. *Prunus demissa* (Nutt.) Walp.
- 4352. *Amelanchier*
- 4353. *Peanothus velutinus*
- 4354. *Cornus stolonifera*
- 4355. *Symphoricarpos*
- 4356. *Cucif.*
- 4357. "
- 4358. *Troximon?*
- 4359. "
- 4360. *Achillea lanulosa*
- 4361. *Solidago*
- 4362. *Aster*
- 4363. "
- 4364. "
- 4365. "
- 4366. *Aster*
- 4367. *Aster*
- 4368. *corn flower*
- 4369. *Companula rotundifolia*
- 4370. "
- 4371. *Polygonum*
- 4372. "
- 4373. "
- 4374. "
- 4375. *Phacelia leucophylla*
- 4376. "
- 4377. "
- 4378. *Geranium*
- 4379. *Lupinus*
- 4380. "

- Sept. 21 ^{Head of Fort Yellowstone post ditch,}
^{near Mammoth Hot Springs, Y. U. P., Wyoming.} Branch, leaf, & fruit.
- " " " "
 - " " " "
 - " " " "
 - " " " "(berries white).
 - " " " Fruit (fl. yellow).
 - " " " "
 - " " " "
 - " " " Fl. (white).
 - " " " (yellow).
 - " " " (blue).
 - " " " "
 - " " " "
 - " " " "
 - " " " "
 - " " " "
 - " " " "
 - " " " "(rayless).
 - " " " (blue).
 - " " " "
 - " " " "Seeds in fruiting envelopes"
 - " " " "
 - " " " "
 - " " " "
 - " " " Fl. (dusty lavender).
 - " " " "
 - " " " "
 - " " " Fruit.
 - " " " & Fl.
 - " " " Fl.

- 4561. Ribes
- 4562. "
- 4563. "
- 4564. "
- 4565. Aster
- 4566. Solidago
- 4567. "
- 4568. "
- 4569. "
- 4570. Brassica
- 4571. Laminorehus
- 4572. "
- 4573. "
- 4574. Vagnera amplexicaulis (Nutt.) Greene.
- 4575. " " "
- 4576. " " "
- 4577. Salix
- 4578. "
- 4579. Salix
- 4580. "
- 4581. Populus tremuloides
- 4582. " "
- 4583. Desiphora frutescens
- 4584. " "
- 4585. Symphoricarpos
- 4586. Equisetum
- 4587. "
- 4588. "
- 4589. Equisetum
- 4590. Epilobium

1902
Sept. 27,

- Meldrum Gulch, Manimoth Hot Springs, Y. U. S., Wyo. Branch with fruit.
- " " " " "
- " " " " "
- " " " " "
- Mineira Terrace, " Fl. (bluish).
- " " " " (yellow).
- " " " " "
- " " " " "
- " " " " "
- " " " " "
- Meldrum Gulch, " (Fl. yellowish) " Fruit.
- " " " " "
- " " " " "
- " " " " "
- " " " " "
- " " " " "
- " " " " "
- " " " " "
- " " " " "
- " " " " "
- Mineira Terrace " Fl. (yellow).
- " " " " Fruit.
- Meldrum Gulch, " " (white).
- " " " " Plant
- " " " " "
- " " " " "
- " " " " "
- " " " " Fl. & Fr.

- 4771. *Juncus scopulorum* Sargent.
- 4772. *Pennis flexilis* James
- 4773. ?
- 4774. "
- 4775. *Phacelia leucophyllus*
- 4776. " "
- 4777. Mint
- 4778. *Bursa bursifastoris*
- 4779. Sweet clover
- 4780. *Dasiphora*
- 4781. *Helianthus annuus*
- 4782. " "
- 4783. *Aster*
- 4784. "
- 4785. *Aster*
- 4786. *Inaphalium*
- 4787. "
- 4788. *Artemisia tridentata*
- 4789. grass
- 4790. *Ribes*
- 4791. "
- 4792. "
- 4793. *Aster*
- 4794. "
- 4795. *Aster*
- 4796. "
- 4797. "
- 4798. "
- 4799. *Aster*
- 4800. *Aster*

Oct. 9,

Oct. 10,

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Oct. 11,

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Yellowstone River at Miver, Montana.

Mammoth Hot Springs, Y.U.P., Wyoming. Fruit.

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Young shoot with leaves.
Fruit

Fl.

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Fl. & Fr.

Fl. (white).

" (yellow) & Fr.

Fl. " & Fr.

" " " "

" (purplish)

" "

" "

Fruit.

"

- 4831. *Juniperus scopulorum* Sargent.
- 4832. " " "
- 4833. " " "
- 4834. " " "
- 4835. " " "
- 4836. *Dasiphora*
- 4837. *Campanula rotundifolia* L.
- 4838. *Sphaeralcea rivularis* (Hook.) Torr.
- 4839. " " "
- 4840. " " "
- 4841. " " "
- 4842. " " "
- 4843. " " "
- 4844. *Solanum triflorum*
- 4845. " " "
- 4846. *Suaeda* (var. *basalis*)
- 4847. *Astragalus*
- 4848. *Allium*
- 4849. *Montolivaea unalaschensis* (Spreng.) Ryd.
- 4850. *Berberis aquifolium*
- 4851. " " "
- 4852. " " "
- 4853. " " "
- 4854. " " "
- 4855. *Bursa bursa-pastoris*
- 4856. " " "
- 4857. " " "
- 4858. " " "
- 4859. *Eleome*
- 4860. *Artemisia*

Oct. 13,

Local name "Sweet Sage" - food of the Antelope.

- Mammoth Hot Springs, Y. N. Park, Wyoming.
- " " "
- " " "
- " " "
- " " "
- " " " Fl. (yellow) and fruit.
- " " " Fl. (blue).
- " " " Fruitage & leaf.
- " " "
- " " "
- " " "
- " " "
- " " "
- " " " Twigs with buds.
- " " " Fruiting.
- " " "
- " " " Plant with red leaves.
- " " " " " Fruitage.
- " " " Fl. (yellow) and "
- " " " " " "
- " " " " " "
- " " " " " "
- " " " Fl. (white) " "
- " " " Fruiting.
- " " "
- " " " Fl. (purple).

{ Me'sa on right bank of the Yellowstone River, a short distance above the mouth of the Gardiner River, Montana.

1902.

Nov. 4,

- 5101. *Ment*
- 5102. "
- 5103. ?
- 5104. *Beckmannia cruciiformis* (L.) Host. Nov. 7.
- 5105. " " " "
- 5106. " " " "
- 5107. grass Nov. 9,
- 5108. " "
- 5109. " "
- 5110. grass "
- 5111. grass "
- 5112. " "
- 5113. grass "
- 5114. *Hordeum* "
- 5115. *Legum.* "
- 5116. *Physaria didymocarpa* (Hook.) Gray. "
- 5117. " " " "
- 5118. *Solidago* "
- 5119. *Aster* "
- 5120. *Arctostaphylos uvaursi* "
- 5121. " " " "
- 5122. *Abies* "
- 5123. " "
- 5124. " "
- 5125. " "
- 5126. *Juniperus sibirica* Burgsdorff. "
- 5127. " " " "
- 5128. *Juniperus scopulorum* Sargent "
- 5129. *Pentstemon* "
- 5130. " "

- Mammoth Hot Springs, Y. N. P., Wyoming. Fruiting
- " " " "
- " " Plant.
- " " " fruiting
- " " " "
- " " " "
- " " " "
- " " " "
- " " " "
- " " " "
- " " " "
- Hot River, near, Janet W. S. Smith.
- " " " Fruiting
- Capitol Hill, Plant with next year's buds.
- " " " "
- " " " Fl.
- " " " Fruiting
- " " " (berries red).
- " " " "
- " " " "
- Snow Pass, near " "
- " " " "
- " " " "
- " " " "
- " " " "
- " " " "
- " " " "
- " " " "
- Snow Pass, near " Fruiting.
- " " " "

- 5161. *Juniperus scopulorum* Sargent. Nov. 25,
- 5162. *Pinus flexilis* James.
- 5163. *Juniperus scopulorum* Sargent. Nov. 26,
canal of a Bohemian Waxwing, between the
Bird and berries from Mammoth Hot
Springs, Yellowstone National Park, Wyoming.
- 5164. *Juniperus*? Oct. 30,
- 5165. *Juniperus scopulorum* Sargent. Dec. 3.
- 5166. " " " " " "
- 5167. " " " " " "
- 5168. " " " " " "
- 5169. *Juniperus* *monosperma* Moench on branches July 9,
- 5169. *Pinus flexilis* James
- 5170. *Pseudotsuga mucronata* (Raf.) Sudworth Sept. 27
- 5171 " " " " " "
- 5172. " " " " April to Dec.
- 5173. " " " " Oct. 5,
- 5174. *Abies* Sept. 24
- 5175. *Pseudotsuga mucronata* (Raf.) Sudworth. Sept. 26,
- 5176. *Sedum stenopetalum* Pursh. Oct. 17,
- 5177. *Elephantella groenlandica* (Retz.) Rydberg. July 29,
- 5178. " " " " 1902.
- 5179. *Pinus murrayana* "Oreg. Com." in Murray. Sept. 24
- 5180. " " " " " "
- 5181. " " " " " "
- 5182 " " " " Oct 5, 1902
- 5183. " " " " Sept. 20.
- 5184 *Pinus albicaulis* Engelm. Sept. 24
- 5185 " " " " ?
- 5186. " " " " Oct. 5
- 5187 " " " " Sept. 24

(Concluded on page 80.)

- Gardiner River, Y. N. Park, Montana. Flowering.
- Turkey Pen Trail, Y. N. Park, Montana. One cone.
- These seeds all passed through the alimentary
hours of 9 a.m. and 2 P. M., November 26, 1902.
- Springs, Yellowstone National Park, Wyoming. Fl. (yellow).
- Mammoth Hot Springs, Wyoming. Fr. (blue).
- " " " " " "
- " " " " " "
- " " " " " "
- " " " " " "
- Above Osprey Falls, Wyoming
- Turkey Pen Trail, near Red Mountain, Montana. Altitude 7000ft. ^{One} cone.
- Meldrum Gulch, M. H. S., Wyo. Alt. 6385 feet. Cones.
- East Gardiner Falls, Wyoming. One cone.
- Vicinity of M. H. S., Box of cones.
- Burner Peak, Wyoming. Bag of cones.
- Mount Washburn " Box of twigs & cones.
- Hospital grounds, M. H. S. " (6200ft.). Bag of cones.
- Mammoth Hot Springs, Wyo., Alt. 6385 ft. Flowering.
- Swan Lake Flat, Wyoming. Alt 7200ft. Fl.
- Mammoth Hot Springs " " 6385 " "
- Virginia Cascades, Gibbon River, Wyo. Specimens of wood,
- Killey's Camp, south of Mt. Washburn (4 1/2 m. east of Canyon) ^{7 seeds.} cones.
- Murray Pass (8300 ft.). One cone.
- Burner Peak, 9100ft. Summit. A number of cones.
- Near Gardiner, Bear Gulch, Park. Co., Mont. Branch with cones.
- Mt. Washburn, Wyo. Box of cones.
- 8 m. E. of Norris, " Cones not seen. Branch with leaves.
- Burner Peak (9100 feet), Wyo. Bag of cones.
- Mt. Washburn 8000-8600 ft. N. Side "

Plants collected by Rev. Ernest C. Smith.

- | | |
|--|----------|
| 1. <i>Troximon</i> | 1902. |
| 2. <i>Solidago</i> | July 26. |
| 3. | " |
| 4. <i>Muehlenbergia lateriflora</i> (L.) Fenzl. | " |
| 5. <i>Polygonum</i> | " |
| 6. <i>Cerastium longipedunculatum</i> Muhl. | " |
| 7. <i>Linum lewisii</i> Pursh | " |
| 8. <i>Anemone globosa</i> Nutt | " |
| 9. <i>Polemonium humile</i> Willd | " |
| 10. <i>Plox multiflora</i> A. Nelson | " |
| 11. <i>Valeriana scouleri</i> Rydberg. | " |
| 12. <i>Phacelia sericea</i> (Graham) Gray, | " |
| 13. Umbelif. | " |
| 14. ? | " |
| 15. <i>Castilleja</i> | " |
| 16. <i>Journalsia alpina</i> Gray | " |
| 17. Grass | " |
| 18. Grass | " |
| 19. <i>Sedum stenopetalum</i> Pursh. | July 26 |
| 20. Composite (yellow) | " |
| 21. <i>Arenaria fudleri</i> Gray | " |
| 22. <i>Viola vallisobaka</i> A. Nelson. | " |
| 23. <i>Dryocallis pseudorufestris</i> Rydberg. | " |
| 24. <i>Potentilla dissecta</i> Pursh. | " |
| 25. <i>Physaria didymocarpa</i> (Hook.) Gray. | " |
| 26. <i>Lupinus</i> | " |
| 27. <i>Saxifraga bronchialis</i> L. | " |
| 28. <i>Honalobus aculeatus</i> (A. Nelson). | " |
| 29. <i>Pentstemon montanus</i> Greene | " |
| 30. <i>Erigeron multifidus discoides</i> (Gray) Rydberg. | " |

- | |
|--|
| Electric Peak, 8800 ft. altitude. |
| " 8800 " |
| " 9000 ft. |
| " 9000 " |
| " 9000 " |
| " 9000 " |
| " 9000 " |
| " 9200 " |
| " 9200 " |
| " 9500 " |
| " 9500 " |
| " 9500 " |
| " 9500 " |
| " 9500 " |
| Electric Peak, 9500 ft. |
| " 9500 " |
| " 9500 " |
| " 9500 " |
| " 9500 " |
| " 9800 " |
| " 10000 ft. |
| " 1 south side, 10,000 ft |
| " south side, 10,000 ft. |
| " 10,000 ft. also on summit of Mt. Washburn. |
| " 10,000 ft. |
| " 10,500 ft. |

- Erigeron compositus Hook }
- 31. Erigeron multifidus Rydberg }
- 32. Penaria fendleri Gray.
- 33. Polemonium confertum Gray.
- 34. { Erigeron multifidus Rydberg.
- " compositus Hook.
- 35 Ranunculus saxicola Rydberg.
- 36 ?
- 37 Trifolium maydeni Porter.
- 38 Saxifraga caespitosa L.
- 39 Myosotis alpestris Schmidt.
- 40 Polemonium confertum Gray
- 41 Hulsea carnosia Rydberg.
- 42
- 43 Oxypria digyna Campdera
- 44 Smelowskia calycina C. A. Meyer.
- 45. Draba densifolia Nutt.
- 46. Phlox
- 47. Trifolium parryi Gray
- 48 Eritrichium arctoides DC.
- 49 Silene acaulis L.
- 50 Oxytropis
- 51 Crastium brachypodium Robinson.
- 52 Draba nemorosa L.
- 53 Carex
- 54. Carex
- 55. Astragalus
- 56. Astragalus hypoglottis L.
- 57. Astragalus
- 58. Erigeron
- 59. Erigeron radicans Hook
- 60. Claytonia virginica L.
- 44 a Smelowskia calycina C. A. Meyer.

1902.

July 26.

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July 26.

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July 26.

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July 26.

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July 26.

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July 26

July 26

July 27

July 26

July 27

July 27

July 27

July 26

July 26

July 26.

"

- Electric Peak, 10,500 ft.
- " 10,500 ft.
- " 10,500 ft.
- Electric Peak Summit (11,150 ft.).
- " 10000 to 10500 ft.
- " , summit 11,150 ft.
- " 10,500 ft.
- " 11,150 ft. (summit).
- " 11,000 ft.
- " 11,150 ft. (summit).
- Electric Peak, 10800 ft.
- " , summit (11,150 ft.).
- " " " " To the very summit.
- " 11,150 ft. To the very summit.
- Electric Peak, 11000 ft.
- " 10500 "
- Electric Peak, 10,500 ft.
- " near summit, 10000 ft to 10500.
- " 10,000 ft.
- Electric Peak, 10000 ft.
- Electric Peak, 9000 ft.
- Electric Peak, 8500 ft.
- Electric Peak, 9000 ft.
- Electric Peak, 7000 ft.
- Electric Peak, 7000 ft.
- Electric Peak, 7000 ft. (base of mountain).
- " 7500 ft.
- Electric Peak, 9000 ft.
- Electric Peak, 10000 ft.
- Electric Peak, 9,000 ft.
- " , near summit.

- 61. *Eriogonum*
- 62. *Ranunculus*
- 63. *Synthlipsis rubra* Benth. & Hook.
- 64. *Heuchera grossularifolia* Rydberg.
- 65. *Saxifraga bronchialis*
- 66. *Androsace subumbellata* (A. Nelson) Small.
- 67. *Androsace diffusa* Small.
- 68. *Ranunculus ovalis* Raf.
- 69. *Antennaria racemosa* Hook.
- 70. *Arnica latifolia* Bong.
- 71. *Frisetum subspectatum* (L.) Beauv.
- 72. *Bromus ciliatus* L.
- 73. *Myosotis alpestris* Schmidt.
- 74. *Lappula floribunda* (Tuckerm.) Greene
- 75. *Castilleja*
- 76. *Lloydia serotina* Reichenb.
- 77. *Townsendia alpina* (Gray).
- 78. *Anemone*
- 79. *Thalictrum megacarpum* Pars.
- 80. *Pulsatilla hirsutissima* (Pursh) Britton.
- 81. *Gentiana heterosepala* Engelm.
- 82. *Podiularis racemosa* Dougl.
- 83. *Valeriana*
- 84. *Dodecatheon*
- 85. *Trifolium haydeni* Porter.
- 86. *Trifolium parryi* Gray.
- 87. *Trifolium parryi* "
- 88. *Trifolium haydeni* Porter.
- 89. *Cystopteris fragilis* (L.) Bernh. Schrad.
- 90. *Glycyrrhiza lepidota* Pursh
- 82. *Podiularis racemosa* Dougl.

- July 26
- July 26
- July 27
- July 27
- July 26,
- "
- "
- July 27
- July 27
- July 27
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- July 26
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- July 26
- July 27
- July 27
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- July 27
- July 26.
- July 26.
- July 26
- July 27.
- "
- "
- "

- Electric Peak, 10,500 ft. Found also on summit Mt. Washburn (10,000 ft.).
- Electric Peak, 9000 ft.
- " 8500 ft.
- " 8000 ft.
- Electric Peak, 8500 ft.
- " "
- " 8000 ft.
- " 7000 ft.
- " 7500 ft.
- " 7500 ft.
- " 7000 "
- " 7000 "
- " 10000 "
- Electric Peak, 7000 ft.
- " 8500 "
- " 8000 " (down to 7000 ft.).
- " 8000 ft.
- " 7500 ft.
- " 7500 ft. ||
- " 7500 ft.
- " 7500 ft. [Also at Beaver Lake. E.A.W.]
- " 7500 ft.
- " 8500 ft.
- " 8000 ft.
- " 9000 ft.
- " 8000 ft.
- " north side, 8800 ft.
- " north side, 8500 ft.
- " north side, 8500 ft.
- Near Gardiner, Mont.
- Electric Peak, 8000 ft.

5188. *Picea*

Box of cones, Duraven Pass to Virginia Cascades, Sept. 24, 1902.

5189. *Picea engelmannii*

Envelope with many cones from Y. N. Park, year 1902.

5190. *Picea*

Box of cones from East Gardner Falls, Wyo. Aug. 26.

5191. *Picea*

Pkg. of cones from the ridge of Mt. Washburn and Duraven Pass, Wyo. Sept. 24.

5192. *Picea*

Meldrum Gulch, M. H. Spgs., Wyo. (4 Cones) Sept. 27.

5193. *Picea*

Box of cones from Bunsen Peak (9100 ft.) Oct. 5.

5194. *Picea*Summit Crevasse Mt. (8200 ft.), Mount
July 29, 1902. Not in Y. N. Park.
Box of cones & trays.

Spermophilus mexicanus parvidens. - A pair of these Ground Squirrels was given me by a Seminole woman at Ft. Clark, Texas. They were caught by pouring water down their holes, and taken as they emerged therefrom to escape drowning. I let them go in our back yard at Ft. Clark, beside a pile of old lumber in which they sought shelter. Later they dug a burrow beneath this heap of rubbish having an exit outside the board-fence which enclosed the yard. These Squirrels and a Rabbit which likewise resided in the same pile of rubbish in a corner of our yard were the theme of numerous comments by my wife and children ~~during~~ ⁱⁿ my absence during the Spanish war. Under date of November 10, 1898, my wife wrote: "The Squirrel has a big hole in the yard, and he is carrying down excelsior for his winter nest. I like to see them around."

Lepus bachmani. - Louis di J. Mearns wrote June 22, 1898: "Our Rabbit has a hole in the front yard under a tree, and I saw it twice to-day."

- 151. *Dodecatheon pauciflorum* (Durand) Greene July 26, 1902.
- 152. *Pyrola secunda* L. July 26.
- 153. *Ribes hudsonianum* Richards "
- 154. *Limnorchis stricta* (Lindl.) Rydberg. July 26
- 155. *Saxifraga* July 26.
- 156. *Saxifraga punctata* "
- 157. *Ranunculus* July 26
- 158. *Veronica serpyllifolia* "
- 159. *Delphinium* "
- 160. *Collinsia leucaris* Nutt July 26.
- 161. *Epilobium* "
- 162. *Sagophyllum ramosissimum* P. & G. "
- 163. *Androsace diffusa* Small. "
- 164. *Epilobium alpinum* L. "
- 165. *Mitella pentandra* Hook "
- 166. *Carex* "
- 167. *Antennaria racemosa* Hook "
- 168. *Fragaria* "
- 169. *Erythronium grandiflorum* Pursh. "
- 170. *Geranium viscosissimum* H. & M. "
- 171. *Trifolium* July 26
- 172. *Empetrum* July 26
- 173. *Eriogonum* July 26.
- 174. *grass* July 26
- 175. *Oxytropis* July 26
- 176. *Pentstemon procerus* Douglas. July 26
- 177. *Arnica cordifolia* July 26
- 178. *Lithospermum lanceolatum* Rydberg. July 26.
- 179. *Senecio* July 26
- 180. *Galium boreale* L. July 26

- Electric Peak, 8200 ft.
- " "
- Vally between Sepulcher Mt. + Electric Peak, 8200 ft.
- Electric Peak, 8500 ft.
- Electric Peak, 8500 ft. (camp).
- " 8400 ft.
- " 8500 ft
- " 8200 ft.
- " 8500 ft.
- Electric Peak, 8300 ft.
- " 8500 ft.
- Electric Peak.
- " , 8500 ft.
- " 8500 ft.
- " 8300 ft.
- " 8300 ft.
- " 8300 ft.
- " 8500 ft.
- " 8500 ft (Camp).
- " 8500 ft. (Camp).
- " 8600 "
- " 8600 "
- " 8600 "
- Electric Peak, 8700 ft.
- Electric Peak, 8700 ft.
- Electric Peak, 8700 ft.
- Electric Peak, 8700 ft.
- Electric Peak, 8700 ft.
- Electric Peak, 8500 ft.
- Electric Peak, 8600 ft.

- 211. *Veronica scutellata* L.
- 212. *Trifolium rydbergii* Greene
- 213. *Plantago myosuroides* Rydberg.
- 214.
- 215. *Ulsine longipes* (Goldie) Coville.
- 216. *Carex*
- 217. *Carex*
- 218. *Carex*
- 219.
- 220. *Polygonum bistortoides* Pursh.
- 221.
- 222. *Erigeron multifidus discoides* (Gray) Rydberg. July 29.
- 223. *Erigeron gracilis* Rydberg. July 29.
- 224. *Erigeron aeris* L. July 29.
- 225. *Erigeron minor* (Hook.) Rydberg. July 29.
- 226. *Erigeron conchophyllus* Hook. July 29.
- 227. *Cryptantha affinis* (Gray) Greene. July 29.
- 228. *Achillea lanulosa* Nutt. July 25
- 229. *Phacelia sericea* (Graham) Gray July 25
- 230. ~~.....~~ July 25
- 231.
- 232. *Allium* July 25
- 233. *Astragalus* July 25
- 234. *Synthyris rubra* (Hook.) Benth. July 25.
- 235. *Phacelia leucophylla* Parr. July 25
- 236. *Astragalus* July 25
- 237. *Oxytropis* July 25
- 238. *Astragalus* July 25.
- 239. *Castilleja hispida* Benth. July 25
- 240. *Sparganium natans* L. July 30.
- 232 (duplicated) ~~.....~~ July 25.

- Swan Lake Flat, Wyo.
- "
- Swan Lake Flat.
- Swan Lake Flat.
- "
- Swan Lake Flat.
- "
- Swan Lake Flat.
- Silver Gate.
- Swan Lake Flat.
- Swan Lake Flat.
- Swan Lake Flat.
- Swan Lake Flat.
- Swan Lake Flat.
- Electric Peak, 8700 ft.
- Electric Peak, 8700 ft.
- Electric Peak, 8700 ft.
- Electric Peak, 8600 ft. alt.
- " 8700 "
- Electric Peak, 8700 ft.
- Electric Peak, 8700 ft.
- " "
- Electric Peak, 8700 ft.
- Electric Peak, 8700 ft.
- Electric Peak, 8600 ft.
- Obsidian Creek.
- Electric Peak, 8700 ft.

- 241. *Poa* July 25.
- 242. *Trisetum subspicatum molle* (Michx.) Gray. "
- 243. *Festuca* "
- 244. *Festuca* July 25.
- 245. *Pyrola iligiosa* Pars July 30.
- 246. *Pyrola secunda* L. "
- 247. *Triglochin maritima* L. July 30
- 248. *Cryptogramma acrosticoides* R. Br. "
- 249. "
- 250. *Woodsia scopulina* Eaton "
- 251. *Saxifraga perennis* L. "
- 252. *Polemonium pulchellum* Bays "
- 253. *Abies amabilis* (Lond.) Forbes "
- 254. *Allium nuttallii* Wats. "
- 255. *Carex utriculata* Booth. "
- 256. *Agonitum columbianum* Nutt. July 30.
- 257. *Limnorchis dilatiformis* Rydberg. "
- 258. *Epilobium adenocaulon* Hausskn. "
- 259. *Epilobium* "
- 260. *Senecio triangularis* Hook. "
- 261. *Eriophorum polystachyum* L. July 30.
- 262. *Chrysothamnus nauseosus* (Pursh) Britton. "
- 262. *Bigelovia graveolens* Gray. (This has long rays.) "
- 263. *Macroneura grindeliifolium* Rydberg. "
- 264. *Epilobium convolvulus* L. "
- 265. *Ribes viscosissimum* Pursh. "
- 266. *Senecio pseud aureus* Rydberg. "
- 267. *Hordeum nodosum* L. July 29.
- 268. *Antennaria microphylla* Rydberg. "
- 269. *Potamogeton filiformis occidentalis* (Robbins) Moring. July 30
- 270.

- Electric Peak, 8500 ft.
- " "
- " "
- Electric Peak, 8500 ft.
- Obsidian Cliff
- Apollinarius Spring.
- Obsidian Cliff.
- "
- "
- "
- "
- "
- "
- "
- "
- "
- Apollinarius Spring.
- "
- "
- Obsidian Cliff.
- Apollinarius Spring
- Obsidian Cliff.
- Near Golden Gate. } [Lower G. R. road.]
- Near Silver Gate
- Roadside, Golden Gate.
- Obsidian Cliff.
- Swan Lake Flat.
- Near Silver Gate.
- Swan Lake Flat.
- Obsidian [and Beaver] Lake.

- 3 211⁷ Sagittaria labelled on sheets Aug. 4
- 3 212⁸ " " " "
- 3 213⁹ Salix " " " "
- 3 214¹⁰ Myriophyllum spicatum " " " "
- 3 215¹¹ " " " "
- 3 216¹² Beckmannia erucifolia " " " "
- 3 217¹³ Aster " " " "
- 3 218¹⁴ 2 species " " " "
- 3 219¹⁵ Carex " " " "
- 3 220 Astragalus Aug. 1,
- 3 221
- 3 222 Senecio Aug. 1
- 3 — Opuntia polyacantha Haw. July 18.
- 3 — " " July 26
- 3 — " " "
- 3 240 Melica bulbosa Geyer. July 25
- 3 319 (number duplicated). Panicum thermale Bolander. Aug. 1,
- 3 100 " " Plantago purshii July 27.
- 3 281 " " Poa July 31
- 3 324 Atriplex argentea Nutt. Aug. 2.
- 3 301. (number duplicated). Allium cernuum Roth. July 29.
- 3 323. Eurotia lanata (Pursh) Moq. Aug. 2.
- 16 Hippuris vulgaris Aug. 4
- 17 Carex & Orthocarpa " "
- 3 18 Orthocarpa " "
- 3 19 Ranunculus " "
- 3 20 Polygonum amphibium " "
- 3 21 " " " "
- 3 22 Aster " "
- 3 23 Deschampsia " "

[Not numbered.]

- Duck Lake " "
- " " " "
- Swan Lake Flat. " "
- " " " "
- " " " "
- Mammoth Hot Springs " "
- Middle Gardiner River " "
- " " " "
- Mammoth Hot Springs. " "
- Mammoth Hot Springs. " "
- Electric Peak, 9500 ft. } one sheet.
- " " " }
- " " 8500 ft. Number duplicated.
- Mammoth Hot Springs. " "
- Near Heorr, Montana. " "
- Mammoth Hot Springs. " "
- Near Gardiner, Montana. " "
- Swan Lake Flat. " "
- Gardiner River, Y.N.P., Montana. " "
- Mammoth Hot Springs. Labelled on sheet Not numbered.
- Middle Gardiner River " "
- " " " "
- " " " "
- " " " "
- Duck Lake " "
- " " " "
- Middle Gardiner " "
- Duck Lake, " "

1902.
 9824. *Agrostis hyemalis* (Walt.) B. S. P. Aug. 4,
 25. *Desehampsia* "
 26 "
 27 *Lupinus caespitosus* Nutt. "
 28 *Epilobium paniculatum pucundum* "
 29 *Potentilla gracilis* or perhaps *multicellii* "
 30 *Ranunculus* "
 31 "
 32 *Epilobium* "
 33 *Carex* "
 34 *Aster* "

- Middle Gardner R., ~~Mont~~ Wyoming
 Duck Lake, Wyoming
 "
 "
 Middle Gardner, Wyo.
 "
 "
 "
 "
 "
 "
 Duck Lake, Wyoming
 "
 "

Collected by Miss Bessie

1. *Meniulus longicaudus* ?
 2. *Pyrola* "
 3. *Valeriana* Year, 1902.
 4. *Elephantella groenlandica* "
 5. "
 6. *Carex yellow* "
 7. *Malvastrum coccineum* "

- J. Haynes, of Mammoth Hot Springs, Wyoming.
 Spring Creek Canyon, U. N. P.
 Grand Canyon of Yellowstone
 Swan Lake Flat.
 "
 Grand Canyon of the Yellowstone.
 Swan Lake Flat, Wyo.
 Mammoth Hot Springs, Wyo.

Collected by Miss Amy, 1902.

1. *Synthyris rubra* (Hook.) May 25,
 2. *Dodecatheon* "
 3. *Pulsatilla hirsutissima* "
 4. *Leucolene ericoides* May 20.
 5. *Lithospermum* "
 6. *Argentina anserina* "

- Smith of Ft. Yellowstone, Wyo.
 Black-tail Deer Creek.
 Mammoth Hot Springs, Wyo.
 Black-tail Deer Creek.
 Mammoth Hot Springs, Wyo.
 "
 "

Collected by Miss

1. *Pentstemon yellow* June 20
 2. *Sisyrinchium* "
 1. ? October, 1902.
 1. *Monarda uniflora* Summer of "
 2. *Fern* "

- Wilson, of Helena, Montana
 Near Gardner, Bear Gulch, Park Co., Montana. Fl. (yellow).
 " " (purple).
 alt. 8300 feet
 Kelley's Camp, Dunraven Pass, Wyo. Collected by Mr. Kelly.
 Teton Mts. Idaho. " E. Hofer.
 Mts. W. border of Park, at 10,000 ft. alt. "

Birds

No.	Locality and Name	Sex and age	Date 1896	Length	Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11471	^{Fort Myer, Virginia.} <i>Sayornis phoebe</i>	♂ ad.	March 24								
11472	<i>Regulus satrapa</i>	♂ ad.	do								
11473	<i>Melospiza fasciata</i>	♂ ad.	do								
11474	" "	♂ ad.	do								
11475	<i>Zonotrichia albicollis</i>	♂ ad.	do								
11476	<i>Passer domesticus</i>	♂ ad.	April 5								
11477	<i>Spizella monticola</i>	♀ ad.	do								
11478	<i>Dendroica coronata</i>	♂ ad.	April 26								
11479	<i>Vireo flavifrons</i>	♂ ad.	do								
11480	<i>Turdus aonalaschkae pallasii</i>	♀ ad.	do								
11481	<i>Coccyzus erythrophthalmus</i>	♂ ad.	May 6								
11482	<i>Geothlypis trichas rufus</i>	♀ ad.	do								
11483	<i>Galuscoptes carolinensis</i>	♀ ad.	do								Skinned by Louis di J. Mearns
11484	<i>Turdus notulatus swainsoni</i>	♂ ad.	do								
11485	<i>Pipilo erythrophthalmus</i>	♀ ad.	do								
11486	<i>Vireo olivaceus</i>	♂ ad.	do								
11487	<i>Vireo noveboracensis</i>	♂ ad.	do								
11488	<i>Geothlypis trichas</i>	♂ ad.	do								
11489	" "	♀ ad.	do								
11490	<i>Setophaga ruticilla</i>	♂ ad.	do								
11491	<i>Mniotilta varia</i>	♀ ad.	do								
11492	<i>Geothlypis americana</i>	♂ ad.	do								
11493	" "	♀ ad.	do								
11494	<i>Dendroica discolor</i>	♀ ad.	do								
11495	<i>Dendroica maculosa</i>	♂ ad.	do								
11496	<i>Passerina cyanea</i>	♀ ad.	May 10								

* No. 11470 entered in Dr. Clementi notebook, M. B. Surr.

11497	Fort Myer, Virginia	♂ ad.	May 10									
11498	<i>Icteria virens</i>	♂ ad.	do									
11499	<i>Setophaga ruticilla</i>	♂ ad.	do									
11500	" "	♀ ad.	do									
11598	<i>Dendroica carolinensis</i>	♂ ad.	do									
11599	<i>Vireo olivaceus</i>	♂ ad.	do									
11600	<i>Setophaga ruticilla</i>	♂ ad.	May 17									
11601	<i>Vireo flavifrons</i>	♀ ad.	do									
11602	<i>Dendroica discolor</i>	♂ ad.	do									
11603	" "	♂ ad.	do									
11604	<i>Dendroica striata</i>	♂ ad.	do									
11605	" "	♀ ad.	do									
11606	<i>Spizella pusilla</i>	♂ ad.	do									
11607	<i>Vireo olivaceus</i>	♂ ad.	do									
11608	<i>Dendroica discolor</i>	♂ ad.	1897 April 18									
11609	<i>Vireo noveboracensis</i>	♀ ad.	April 28									
11610	<i>Geothlypis trichas</i>	♂ ad.	May 8									
11611	<i>Dendroica striata</i>	♂ ad.	May 22									
11612	" "	♀ ad.	do									
11613	<i>Empidonax virens</i>	♂ ad.	do									
11614	Fort Belknap, Kinney Co., Texas. <i>Pyrrhuloxia sinuata</i>	♂ ad.	1897 Nov. 18	114	293	90	104	16.3	25	25		
11615	<i>Melanerpes aurifrons</i>	♀ ad.	do	160	438	133	90	30	23	26.5		
11616	" "	♂ ad.	do	166	445	135	88	34	25	29		
11617	<i>Cardinalis cardinalis canicollis</i>	♂ ad.	do	223	300	97	111	19.	26	24.5		
11618	<i>Bubo virginianus palliatus</i>	♀ ad.	do	550	1350	380	230	31.	69	69		
11619	<i>Ceryle americana septentrionalis</i>	♂ ad.	Nov. 22	229	313	85	70	44	10	19		
11620	<i>Coccyus virginianus texanus</i>	♂ ad.	do	248	373	113	72	13.2	33	34		
11621	" "	♂	do	238	367	111	68	13.6	32	34		
11622	" "	♀	do	250	378	114	72	13.	33	34		

} Pair. Female contained an egg the size of a pea.

Stomach empty. Iris dark hazel. Bill black with a slight amount of horn-color at base of mandible. Breast brown. Feet and claws, plumbeous.

No.	Locality and Name.	Sex and age	Date	Length	Wing	Tail	Alar expanse	Culmen	Tarsus	Middle toe and claw	Remarks
11623	Fort Belknap, Texas <i>Ceryle americana septentrionalis</i>	♂	1897 Nov. 22	222	86	70	308	45	10	18	Breast red.
11624	" " "	♀	do	230	86	68	320	46	10	19	Breast white.
11625	<i>Callipepla squamata</i>	♂ ad.	do	270	119	86	392	12	34	35	Sent to Judge Ord.
11626	" " "	♀ ad.	do	270	118	86	390	12.8	34	34	
11627	" " "	♀ ad.	do	265	115	85	380	12	34	35	
11628	<i>Colaptes cafer</i>	♀ ad.	do	353	180	132	570	40	33	33	
11629	<i>Melanerpes aurifrons</i>	♂	do	270	138	95	440	33	25	27.3	
11630	" " "	♂	do	276	143	99	452	34	24	27	
11631	" " "	♂	do	272	145	92	466	34	25	29	
11632	" " "	♀	do	?							Not measured.
11633	<i>Cardinalis e. canescens</i>	♀ ad.	do	223	91	104	292	17.6	25	24	
11634	" " "	♂ ad.	do	223	91	104	300	18	24.5	22	
11635	<i>Dryobates pealensis bairdi</i>	♀ ad.	Nov. 26	186	104	67	336	21	18.7	19	Had nest in umbrella china tree in Post.
11636	<i>Melanerpes aurifrons</i>	♂ ad.	Nov. 28	263	136	92	442	31	25	28	
11637	<i>Pyrrhuloxia</i>	♂	Nov. 30	214	90	100	297	15.2	28	24	
11638	<i>Amphispiza bilineata</i>	♂ ad.	do	147	70	66	223	11	19	17	
11639	<i>Arremonops rufivirgata</i>	♀ ad.	Dec. 5	162	64	70	210	14	23	20	
11640	<i>Colinus virginianus texanus</i>	♂ ad.	Dec. 8	249	115	75	380	13	32	34	
11641	" " "	♂	do	243	112	70	368	13.2	32	34	
11642	" " "	♀ ad.	do	250	110	72	375	13.4	34	34	
11643	" " "	♀ juv.	do								Not measured.
11644	<i>Auriparus flaviceps</i>	♂	Dec. 11	119	55	52	176	18.3	15	13	
11645	<i>Regulus calendula</i>	♂ ad.	do	118	61	45	183	9	19	14	crowm ruby
11646	<i>Zonotrichia leucophrys</i>	♀ ad.	do	171	99	74	248	11.3	22	21.5	
11647	<i>Ceryle americana septentrionalis</i>	♀ ad.	do		2	35		319	90	69	41; 10.2; 18 mm.
11648	<i>Colinus virg. texanus</i>	♂ ad.	do	235	111	70	369	13	34	33.5	
11649	<i>Scolecophagus cyanocephalus</i>	♂ ad.	do	260	135	112	422	22	33.5	28	
11650	<i>Colinus virginianus texanus</i>	♂ ad.	do	255	115	75	375	13	34	36	Sent to Judge Ord.
11651	" " "	♂ ad.	Dec 15	231	110	68	358	13	32	34	Black breast - markings unusually strong.

11652	<i>Mimus polyglottos</i>	♂ ad.	Dec. 15	270	365	117	129	16	34	31	
11653	<i>Harporhynchus long. sennetti</i>	♂ ad.	do	309	335	104	141	29	36.5	32	
11654	<i>Sayornis phoebe</i>	♂ ad.	do	137	295	95	80	13	20	16	
11655	<i>Melanerpes aurifrons</i>	♂ ad.	do	268	445	138	92	33	26	28	
11656	" "	♀ im.	do								
11657	" "	♀ ad.	do	253	436	136	87	31	24	28	
11658	<i>Colomba fasciata</i>	♂ ad.	Dec. 18	378	627	206	150	-	30	40	
11659	<i>Callipepla squamata</i>	♀ ad.	do	265	376	116	88	13	35	33	
11660	<i>Cardinalis cardinalis</i>	♀ ad.	do	227	292	91	113	18	24	23	
11661	<i>Dryobates scalaris bairdi</i>	♂ ad.	do	192	339	103	67	23	19	20	
11662	" "	♂ ad.	do	187	336	102	68	23	19	19	
11663	<i>Sayornis phoebe</i>	♂ ad.	do	183	285	90	79	15	18.5	16	
11664	<i>Helminthophila elata</i>	♀ ad.	do	130	200	65	61	9.5	17.5	14.5	
11665	<i>Callipepla squamata</i>	♂ ad.	Dec. 21	276	393	118	94	12	34	36	Stomachs contained bugs, larvae and seeds.
11666	" "	♀ ad.	do	269	380	118	87	12.2	34	32	
11667	" "	♀ ad.	do	277	386	118	90	13	34	35	
11668	<i>Colinus virginianus texanus</i>	♂ ad.	Dec. 22	253	376	117	75	14	36	34	
11669	<i>Ceryle alcyon</i>	♂ ad.	do	328	564	162	98	55	13	24	
11670	<i>Colinus virginianus texanus</i>	♂ ad.	Dec. 23	240	371	111	65	13	34	34	
11671	<i>Harporhynchus longirostris sennetti</i>	♂ ad.	do	298	343	106	140	30	37	34	
11672	<i>Harporhynchus palmeri</i>	♀ ad.	Dec. 28		355	110	-	30	36	32	Tail gone.
11673	<i>Mimus polyglottos</i>	♂ ad.	"	265	381	123	130	17	35	31	
11674	<i>Amphispiza bilineata</i>	♂ ad.	"	140	211	67	62	12	17.5	17	
11675	<i>Callipepla squamata</i>	♂ ad.	"	275	394	120	95	12.5	34	33	
11676	" "	♂ ad.	"	290	400	124	100	13	35	34	
11677	" "	♂ ad.	"	270	386	116	93	13	33	33	
11678	<i>Bubo virginianus pallens</i>	♀ ad.	Dec. 30	560	1400	400	235	31	65	78	Stomach contained hair of <i>Lepus bachmani</i> .
11679	<i>Harporhynchus curvirostris</i>	♀ ad.	Dec. 30	280	370	112	109	30	34	32	Iris orange yellow
11680	<i>Thryomanes bewickii leucogaster</i>	♀ ad.	"	140	186	56	61	15	17	16	

Gr. Band-tailed Pigeon was seen a mile away from this place on Dec. 16, 1897; perhaps same bird.

Stomachs contained bugs, larvae and seeds.

Tail gone.

Stomach contained hair of *Lepus bachmani*.

Iris orange yellow

No.	Locality and Name	Sex and age	Date	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11681	Fort Clark, Texas. <i>Accipiter velox</i>	♂ ad.	Dec. 30-97.	298	575	182	150	10	51	38	{ Stomach contained flesh of <i>Colinus texanus</i> Culmen + cere, 15. Iris cherry red.
11682	<i>Cyrtonyx montezumae</i>	♂ im.	Jan 2-98	245	407	118	63	15	31	35	Young of the year.
11683	<i>Melanerpes formicivorus</i>	♀ ad.	Jan. 8-98	280	550	176	107	25	25	30	
11684	<i>Dryobates scalaris bairdi</i>	♂ ad.	do	192	333	100	73	22.5	18	20	
11685	" " "	♀ ad.	do	183	342	105	68	20	18	20	
11686	<i>Colinus virginianus texanus</i>	♂ ad.	do	250	380	115	72	13	32	33	Shot by L. di B. Meerns.
11687	<i>Cyrtonyx montezumae</i>	♂ ad.	do	255	435	132	77	15	33	36	Sent to Judge End.
11688	" "	♀ ad.	do	240	415	120	61	14.2	31	37	
11689	<i>Mimus polyglottos</i>	♂ ad.	Jan. 18-98	277	378	122	133	17	34.5	29	Iris, oliv.
11690	<i>Myzothorus l. leucogaster</i>	♂ ad.	do	145	289	57	62	14.8	18.7	17	
11691	<i>Cardinalis cardinalis canescens</i>	♂ ad.	do	226	309	96	109	20	26	25	Bill with maxilla brownish black; mandible plumbeous, horn color at extreme base. Iris brownish red. Feet brownish gray, claws dusky.
11692	<i>Helodytes brunneicapillus</i>	♀ ad.	do	208	274	84	77	24.5	27.5	24.3	do do
11693	" "	♀ ad.	do	209	280	88	82	21	28.5	24.3	
11694	<i>Harporhynchus curvirostris</i>	♂ ad.	do	284	368	113	116	32	35	34	
11695	" "	♀ ad.	do	281	356	109	115	27	33	33	
11696	<i>Parus atricristatus</i>	♂ ad.	do	156	241	72	69	11	21	19	
11697	" "	♂ ad.	do	162	254	79	72	12.1	21	19.3	
11698	" "	♂ ad.	do	158	252	77	68	11.3	21	19.	
11699	<i>Amphispiza bilineata</i>	♂ ad.	do	145	213	68	64	11	18	16	
11700	<i>Mimus polyglottos</i>	♂ ad.	Jan. 22-98	270	370	120	135	17	33	28.5	
11701	<i>Auriparus flaviceps</i>	♂ ad.	do	120	183	56	51	9	16	13	
11702	<i>Sturnella</i>	♂ ad.	do	263	430	135	84	35	41	34	
11703	" "	♂ ad.	do	265	418	129	81	33	40	32.5	
11704	<i>Lanius</i>	♀ ad.	Jan 24-98	229	330	100	102	16	27	23	
11705	" "	♂ ad.	do	230	332	101	102	16.2	28	24	
11706	<i>Ardea herodias</i>	♀ ad.	do	1140	1840	460	185	140	174	123	Length to end claws, 1450.
11707	<i>Zayornis saya</i>	♂ ad.	Jan. 25-98	203	345	109	89	16	21	16	
11708	<i>Lanius</i>	♂ ad.	do	240	336	106	107	17	28	24	
11709	" "	♀ ad.	do	228	330	102	104	16	27	22.5	

No.	Locality and Name	Sex and age	Date	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
	Fort Clark, Texas.		1898								
11710	Sturnella	♀ ad	Jan. 25	240	385	118	74	31.5	38	34.5	
11711	Cardinalis cardinalis canescens	♂ ad	do	225	313	96	111	18.5	27	24	
11712	Ammodramus s. alaudinus	♂ ad	do	147	236	73	57	12	20	21	
11713	Parus atricristatus	♀ ad	do	152	231	72	66	11.2	19.6	17	
11714	Dryobates scalaris bairdi	♀ ad	do	178	328	101	62	19	17.5	19	
11715	Melanerpes aurifrons	♀ ad	do	250	420	134	88	28	22.5	25.5	
11716	" "	♂ ad	do	263	443	138	92	32	23.5	27	
11717	" "	♂ ad	do	266	432	131	89	32	24	27	
11718	" "	♂ ad	do	275	442	136	90	32	25	28	
11719	Sayornis phoebe	♀ ad	do	185	285	87	75	14.5	19	17	
11720	Harporhynchus curvirostris	♂ ad	Jan. 29	290	366	114	119	29.5	33	33	
11721	" "	♀ ad	do	270	342	101	112	29.5	33	33	
11722	Dryobates scalaris bairdi	♀ ad	do	186	340	103	66	20.3	18.5	19	
11723	Amphispiza bilineata	♀ ad	do	140	209	64	60	11	19	16.5	
11724	Buteo borealis calurus	♂ ad	Jan. 31	560	1320	400	243	25.5	83	63	Stomach contained <i>Lepus sylvaticus baileyi</i> , Cul. + cere, 37; cere, 14 mm.
11725	Sayornis saya	♂ ad	Feb. 5	200	342	113	89	15	21	16	
11726	Carpodacus mexicanus frontalis	♂ ad	do	160	256	82	65	11	19	18	
11727	" "	♀ ad	do	159	245	80	66	11	17	19	
11728	Sceloporus pygmaeus	♂ ad	do	259	413	135	105	21	34	29	
11729	Geococcyx californianus	♂ ad	do	604	550	178	310	53	65	45	Stomach contained about 50 grasshopper, beetles of several species, and a number of reddish berries.
11730	Cardinalis cardinalis canescens	♂ ad	Feb. 12								
11731	Harporhynchus ^{longirostris} curvirostris semillii	♂ ad	do	300	337	103	136	30	36	32	Plumage much worn for the season.
11732	Arthus pensilvanicus	-ad	do	172	278	88	71	13	23	19	
11733	Parus atricristatus	♀ ad	do								
11734	Buteo borealis calurus	♀ im	Feb. 13	610	1410	425	257	29	93	68	40 15.5
11735	Urubitinga anthracina	♂ ad	do	530	1265	372	220	26.5	98	63	Cul. + cere, 39; cere, 16. Iris hazel.
11736	Carpodacus mexicanus frontalis	♀ ad	Feb. 20	159	252	78	67	11.8	18	20	
11737	" "	♀ ad	do	160	254	80	69	10.5	18.5	20	

112 No.	Locality and Name.	Sex and age	Date 1898	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks.
11738	<i>Carpodacus mexicanus frontalis</i>	♀ ad.	Feb 20	165	260	80	70	18	18	19.5	
11739	"	♀ ad.	Feb. 26	158	251	78	68	10.5	17.2	19.2	
11740	"	♀ ad.	do	162	254	80	69	10.8	18.	18.	
11741	"	♀ ad.	do	159	247	77	65	9.2	17	19	
11742	"	♀ ad.	do	157	245	76	65	11.2	17.5	19.2	
11743	"	♂ ad.	do	164	266	85	72	10.3	18.	19.4	
11744	"	♂ ad.	do	160	255	80	69	10.6	17.	18.2	
11745	"	♂ ad.	do	157	259	81	65	10.2	18	19	
11746	<i>Amphispiza bilineata</i>	♂ ad.	do	142	208	65	63	11.	18.	17.	
11747	<i>Thryothorus bewickii lucogaster</i>	♂ ad.	do	142	189	58	58	13.5	18.	16.	
11748	<i>Poocaetes gramineus confinis</i>	♂ ad.	do	166	279	86	68	11.	21.	20.	
11749	<i>Egialitis vocifera</i>	♂ ad.	do	265	525	170	106	20	37	26	
11750	<i>Gallipepla sq. castaneogaster</i>	♂ ad.	March 19	282	395	120	100	12.7	36	34	Belly deep chestnut clear across
11751	<i>Sturnella</i>	♂ ad.	do								Alcoholic. Metal tag no. 4260
11752	"	♀ ad.	do								" do 4261
11753	<i>Zonotrichia leucophrys</i>	ad.	do								" do 4262
11754	<i>Polioptila caerulea</i>	ad.	do								" do 4263
11755	"	ad.	do								" do 4264
11756	<i>Phalaenoptilus nuttallii</i>	♀ ad.	March 26	208	447	148	87	6.7	18	23.5	
11757	<i>Harpophynchus curvirostris</i>	♀ ad.	do	280	355	107	116	28	33.5	32	Iris reddish orange.
11758	<i>Cardinalis c. canicaudus</i>	♀ ad.	March 30								Alcoholic. Trapped in cyclone.
11759	<i>Zonotrichia leucophrys</i>	ad.	March 31								alcoholic. Metal tag No. 3893.
11760	"	ad.	do								" " " " 3815
11761	<i>Amphispiza bilineata</i>	ad.	do								" " " " 3827
11762	<i>Melospiza forficatus</i>	♂ ad.	do	347	387	126	222	17	17	19	
11763	"	♂ ad.	do	347	395	128	225	19	19	20	
11764	"	♂ ad.	do	385	386	123	260	18	20	21	
11765	"	♂ ad.	do	347	400	131	225	18	19	20	

116 No.	Locality and Name.	Sex and age	Date 1898	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks	117
11796	Milvulus forficatus	♂ ad.	May 5	363	393	127	240	17	20	20		
11797	" "	♂ ad.	do	273	391	127	147	18	19	22		
11798	Passerina ciris	♂ ad.	April 28	151	235	76	62	11.5	20	18.5	First one seen this year.	
11799	Geothlypis macgillivrayi	♂ ad.	May 5	154	240	76	63	11.5	19	19		
11800	A. g. v. v. v.	♂ ad.	May 7	155	240	75	61	11.2	18.3	18.3		
11801	Chondestes g. strigatus	♂ ad.	May 5	170	275	87	73	12	19	20		
11802	" " "	- ad.	do								Alcoholic. Metal tag No. 3876.	
11803	Spizella pallida?	- ad.	do								Molting. Alcoholic do 3814.	
11804	Passerina ciris	♂ ad.	May 7	152	240	75	63	11.4	19	18		
11805	" "	♂ ad.	do	150	237	73	61	11	19.3	19.2		
11806	" "	♂ ad.	do	154	235	74	63	11	20	18.5		
11807	" "	♂ ad.	do	152	240	75	63	11.2	20	19		
11808	Spizella pallida	♂ ad.	do	132	197	61	62	9.5	18	18		
11809	" "	♂ ad.	do	143	196	62	66	9	17.2	18		
11810	Milvulus forficatus	♀ ad.	do	246	371	118	121	17.5	19.5	20		
11811	Icterus spurius	♂ ad.	do	172	244	77	72	16.5	21.5	20		
11812	Chondestes gr. strigatus	♂ ad.	do	178	278	91	77	13.7	20	19.3		
11813	Vireo flavifrons	♂ ad.	do	145	240	75	52	13	19	16.5		
11814	Vireo	♂ ad.	do	124	180	57	49	9.6	18	14	{ Parent of nest in mesquite, containing 1 Cowbird egg.	
11815	Auriparus flaviceps	♂ ad.	do	117	178	55	52	9	17	14		
11816	Molothrus ater	♂ ad.	do	203	341	112	82	18	25	24		
11817	Contopus richardsoni	♂ ad.	May 14									
11818	Thryothorus l. comitensis	♂ juv.	do									
11819	Passerina ciris	♂ ad.	do	155	240	75	63	11	19.5	19	} A mated pair; killed at same shot. ♀ blue on head. Bill greenish horn color. Ires olivaceous Iris yellow. Claws olive at base dusky at tip. Stomach contained traces of insects, only.	
11820	" "	♀ ad.	do	150	225	68	63	11	19.5	18.5		
11821	Megascops asio trichopsis	♂ ad.	May 21	225	575	163	85	14	36	30		
11822	Icterus spurius	♂ ad.	do	175	260	83	77	16.5	21	20		
11823	Tuscalus macrourus	♂ ad.	May 22	460	603	198	218	41	52	46		
11824	Autrostromus carolinensis	♂ ad.	May 26	318	652	221	150	9.	17	27		
	Body in alcohol No. 3813.										Under surface of feet, black color.	



Regulus satrapa. - Flock seen at Ft. Clark, Texas.
January 8, 1898.

Buteo lineatus. - One has been about Las
Moras Creek, at Ft. Clark, Texas, from the middle
of November 1897 to the present time Jan. 18, 1898.

Syrnium nebulosum. - Several seen on Las
Moras Creek in November and December, 1898.

Fuligula marila nearctica. - Adult female brought me
by Lieut Stephens Feb. 9, 1898, at Ft. Clark, Texas.

Mareca americana. - Young male and adult male
shown me by Lt. Stephens, Febr. 9, 1898, at Ft. Clark, Texas.

Ampelis cedrorum. - Flocks seen occasionally, on
Las Moras Creek, during December and January, 1897-'98.

Certhia americana. - Seen along Las Moras Creek
in November and December, 1897; not common.

Regulus satrapa. - Flock Jan. 8, 1898. Afterwards
common enough to date (Feb. 10, 1898).

Buteo swainsoni. - One seen Feb. 12, 1898 Las Moras Creek.

Sayornis phoebe. - Has been present all winter, but is
now growing more numerous.

Bubo virginianus palliatus. - An egg taken at Ft. Clark,
Texas, February 21, 1898.

Stelgidopteryx serripennis. - Two first seen Feb. 25.
Two seen Feb. 27. Measured 54 x 45 mm.

Progne subis. - First seen Feb. 26.

Luscinax major. - One seen, the first, Feb. 26.

Several seen Feb. 27, 1898.

Milvulus forficatus. - First seen (1) at Ft. Clark,
Texas, March 19, 1898.

Myiarchus cinerascens. - First seen March 16
1898. Common by March 20.

Birds noted in the neighborhood
of Fort Clark, Texas Nov. 15, ¹⁸⁹⁷ - March 23, ¹⁸⁹⁸
Merganser americanus. - One shot by Capt.
Pratt.

Anas boschas. - Frequently brought in
by hunters.

Anas strepera. - One killed by Lt. Stephens, ^{in Febr.}

Anas americana. - Many killed in Jan & Feb.

Anas carolinensis. - Abundant. On March

18, a flock of 25 was flushed from Las
Moras Creek. They circled, and, dividing

into small bunches realighted. They
usually alighted on the ground beside

the stream and not in the water. When
flushed they sometimes flew across the

stream and lit on the opposite bank.
They were watched for an hour. The

birds were nearly all paired. Once
a male and female left the flock as it

circled overhead and dropped down in front
of me; once 4 males and 4 females separated

themselves; and again 3 males and 3 females
left the flock.

Spatula clypeata. - Several killed in February.

Basila acuta. - One of the commonest ducks!

Aythya vallisneria. - One killed on Sycamore
Creek, Feb. 13, 1898. Examined the specimen.

Aythya marila nearctica. - See page 200.

Podiceps lentiginosus. - One killed March 10,
1898 by Lt. Seofield, on Las Moras Creek

Ardea herodias. - Present throughout the winter
One specimen preserved.

Nyctiorax nyctiorax naevius. - Several seen during November and December, 1897.

Trous mexicana is said to be common.

I have not met with it.

Rallus virginianus } Present throughout
Porzana carolina } the winter.

Gallinago delicata. - Only seen during February & March, when it was common.

Numenius longirostris. - Present in small numbers throughout the winter.

Agriotis vocifera. - Common all winter.

Colinus virginianus texanus. - Very abundant in Nov. & Dec., 1897, growing scarcer from that time to this (Nov. 23) when few are seen.

Callipepla squamata. - Exceedingly abundant in November & December, 1897, growing more and more scarce from that time to this.

Callipepla squamata castaneogastris. - The Ft. Clark birds are more *squamata*; but one bird (No. 11750) was shot March 19th, 1898, which was distinctly *castaneogastris*.

Cryptonyx montezumae. - Resident. Feeds on grass bulbs. More common than usual.

Meleagris gallopavo elliotti. - Still common in the best settled parts of this country.

Columba fasciata. - One seen at Ft. Clark Dec. 15, 1897. One shot (No. 11658) at the post April, Dec. 18, 1897, which may have been the same bird. It had eaten the acorns of *Quercus durandii*.

Zenaidura macroura. - Common but not abundant through the winter.

Melospiza leucoptera. - One kept in confinement at Flato's ranch was said to have been taken here. They are of casual occurrence. Chaplain Potter has seen them here at times. I have not.

Scardafella nica. - One seen near Las Moras Spring, February 18, 1898.

Cathartes aura. - Common through the winter.

Circus hudsonius. - Occasional through the winter.

Accipiter velox. - Common through the winter.

Accipiter cooperi. - do

Buteo borealis calurus. - do

Buteo lineatus alleni. - One remained all winter.

Buteo swainsoni. - Not common.

Meruloputia anthracina. - One shot on Sycamore Creek, Feb. 13, 1898, by Lieut. Sage.

Falco peregrinus anatum. - Occasional.

Falco sparverius. - Only one or two seen.

Asio wilsonianus. - Common during November & early December, 1897. Not seen since.

Syrnium nebulosum alleni. - A few during the winter months.

Megascops asio trichopsis. - Common throughout.

Bufo virginianus pallascens Stone. - Abundant resident. See page 200 for note on egg.

Strix pratensis. - Sometimes seen or heard.

Geococcyx californianus. - Fairly common.

- Ceryle alcyon*. - A pair on Las Moras Creek Nov. 15th until shot.
- Ceryle americana septentrionalis*. - Four on Las Moras Creek Nov. 14th until shot.
- Dryobates scalaris baridi*. - Abundant.
- Melanerpes torquatus*. - One shot.
- Melanerpes aurifrons*. - Abundant.
- Colaptes cafer*. - Abundant. Those shot were *cafer*.
- Phalaenoptilus nuttallii*. - First seen March
- Trochilus colubris*. - First seen March 19.
- Milvulus forficatus*. - First seen March 19. One. Not seen again until
- Myiarchus*. - First seen March 16. Common by the 20th.
- Tayonnis phoebe*. - Common throughout.
- Tayonnis saya*. - See specimens for dates. Not common.
- Otocoris alpestris*. - Common throughout.
- Corvus corax sinuatus*. - A few seen during March.
- Corvus americanus*. - Large flock March 13th.
- Molothrus ater*. - Common through the winter.
- Aegialais phoeniceus longirostris*. - Scarce through the winter. Very abundant in March.
- Sturnella magna*. - Always abundant.
- Luscinus macrourus*. - Appeared (one) March 19 and soon became common.
- Carpodacus mexicanus frontalis*. - Not uncommon in the open country. Not seen in town or post. Feeding on the mistletoe.

- Spinus tristis*. - Scarce during winter. Abundant during March.
- Pooecetes gramineus confinis*. - Abundant during March. Probably seen ^{during} other months but not noted.
- Ammodramus sandwichensis alaudinus*. - A few in winter. More numerous in March.
- Chondestes grammacus strigatus*. - First seen March 13, 1898. Common by March 20.
- Zonotrichia leucophrys*. - Abundant during March. Those seen in winter may have been *Z. intermedia*.
- Spizella socialis*. - Came about March 1st. Abundant by the middle of March.
- Junco*. - Common in Decem-
ber. Scarcely seen after Xmas.
- Amphispiza bilineata*. - Abundant resident.
- Peucaea ruficeps boucardi*. - Scarce at Las Moras Mountain in winter.
- Melospiza fasciata*. - Came about March 1st. Not numerous.
- Arremonops rufivirgata*. - Common resident.
- Pipilo maculatus arcticus*. - Uncommon, but constantly present.
- Cardinalis cardinalis canescens*. - Abundant resident. Does not whistle in winter.
- Pyrrhuloxia sinuata texana*. - Constantly present in chaparral country; not abundant.
- Progne subis*. - First seen Febr. 26. Common by the 1st of March.
- Petrochelidon lunifrons*. - First seen March 21st.

- Stelgidopteryx serripennis*. - Two seen Feb. 25.
Common by first of March.
- Amplis cedrorum*. - Small flocks seen at frequent intervals from November 21 to March 22.
- Lanius ludovicianus*. - Common but not abundant during the winter. Left early in March.
- Vireo philadelphicus*. - First seen March 19.
Soon became common on L.M. Creek.
- Helminthophila elata*. - Common throughout.
- Dendroica auduboni?* } Occasional through the winter. Common in
Dendroica coronata? } March.
- Anthus pensilvanicus*. - Common throughout.
Often seen perching on trees.
- Anthus spragueii*. - Occasional in winter.
- Crocoptes montanus*. - One seen Nov. 29th.
- Galeoscoptes carolinensis*. - H. Sage saw what he thought was a Catbird near Fort Clark (Sycamore Creek) in February or March.
- Harporhynchus longirostris sennetti*. - Abundant resident along streams.
- Harporhynchus curvirostris*. - Common in Chaparral country.
- Haleodytes brunneicapillus*. - Common in Chaparral & cactus country.
- Salpinctes obsoletus*. - Found wherever there are rocks or cliffs.
- Thryothorus ludovicianus loricatus*. - Very common along streams. Does not sing its full song before March.

- Thryothorus bewickii leucogaster*. - Very abundant everywhere. Resident.
- Troglodytes aedon*. - Occasional through the winter. Common early in March.
- Certhia americana*. - Not uncommon along Las Moras Creek, where there is heavy timber.
- Parus alienstatus*. - Abundant resident. Mating in March.
- Airiparus flaviceps*. - Abundant. Sleep in their nests throughout the winter.
- Regulus satrapa*. - Not uncommon from January 8 (flock) to middle of Feb., 1898.
- Regulus calendula*. - Common all winter.
- Poliophtila caerulea*. - Common in March.
- Turdus aonalaschkae*. - One or two flocks of this species occasionally seen in winter.
- Merula migratoria*. - Several small flocks of robins during the winter.
- Sialia*. - Not a bluebird of any kind was seen.
- Megascops asio trichopsis*. - My son Louis collected one that flew from a hollow elm tree 8 feet above the ground, where he climbed to and found two eggs measuring, respectively, 34.2×28.1 and 33×27.5 mm.
- Amphispiza bilineata*. - Nests containing, respectively, 4 young, 2, and 1 egg, were found at Ft. Clark, Texas, May 7, 1898. A were built in a species of cactus (*Opuntia frutescens* Eng.).
- Mimus polyglottus*. - Nests found at Ft. Clark, May 7, 1898, containing, 1, 2, and 4 eggs.

Vireo pusillus? - Nest found containing broken
shells of several eggs at Ft. Clark, May 5, 1898.

Nest containing 1 Cowbird egg, May 7, 1898.

Cardinalis cardinalis conicaudus. - Nest in
oak, 8 ft. from ground, built in tuft of
so-called "tree-moss"; contained 3 eggs (preserved).

Plover (). - My
wife wrote me from Ft. Clark, Texas, Sept. 20, 1898
"Plover are abundant. There are some Ducks."

Mollusks.
 at Fort Clark, Kinney County,
 1898.

Shell
 MEARNS.
 1 Pillow case
 1 Desk, office.
 1 Inkstand.
 2 Buckets.
 1 Dipper.
 1 Basin.
 1 Case, emergency.
 1 Shears.
 1 Hammer.
 1 Nail puller.

, Phillippi. Las Moras Creek.
 , Pfeiffer. do
 , Gould. Abundant.
 a, Moricand. Very abundant.
 lata, Day. do
 tus, Day. do
 tus ragdalei, Pilsbry. do
 Las Moras Creek, Texas.

nty specimens of *Unio*
 Moras Creek, Kinney Co.,
 11, 1898.
 - sackful of mollusks
 K, Kinney Co., Texas. Winter
 Numerous species.

MEARNS.

1 Pillow case

1 Desk, office.

1 Inkstand.

2 Buckets.

1 Dipper.

1 Basin.

1 Case, emergency.

1 Shears.

1 Hammer.

1 Nail puller.

Mollusks.

Shells collected at Fort Clark, Kinney County,
Texas in 1897 and 1898.

Physa mexicana, Philippi. Las Moras Creek.

Planorbis tumidus, Pfeiffer. do

Unio (popei?). do

Succinea luteola, Gould. Abundant.

Polygyra texasiana, Moricand. Very abundant.

Helicina orbiculata, Say. do

Bulinulus dealbatus, Say. do

Bulinulus dealbatus ragsdalei, Pilsbry. do

Sphaerium _____ Las Moras Creek, Texas.

No. 3856. Twenty specimens of *Unio*
popei. Las Moras Creek, Kinney Co.,
Texas. April 11, 1898.

No. 3859. A sackful of mollusks
from Ft. Clark, Kinney Co., Texas. Winter
of 1897-'98. Numerous species.

A list of the Mollusks of Kinney
County, Texas.

1. *Glandina texasiana*, Pfeiffer. — "A few dead specimens at Fort Clark, Kinney County, Texas." (Dall, p. 374.)*
2. *Bulinulus dealbatus*, Day. — "Numerous, mostly dead specimens, Fort Clark." (Dall, p. 374.)*
3. *Bulinulus dealbatus ragdalei*, Pilsbry. — "This small and strongly striated variety of *B. dealbatus* was as common at Fort Clark as the normal form with which numerous intermediate specimens completely unite it, though extreme specimens seem very distinct." (Dall, p. 374.)*
4. *Polygyra texasiana*, Moricand. — "Found at Fort Clark and Fort Worth abundantly, the range of the species, so far recorded, extending from Fort Gibson, Indian Territory, south and west to the State of Tamaulipas, Mexico." (Dall, p. 374.)*
5. *Succinea luteola*, Gould. — "Numerous specimens were sent from Fort Worth, others from Lake Palomas, Mexico, and the drift of the Santa Cruz River at Tucson, Arizona. This being a species common to the two regions." (Dall, p. 375.)*
"Specimens of what appears to be this species were found sparingly at Lake Palomas in the Mimbres Valley, northern Mexico, near

*Proc. U. S. Nat. Mus., XIX, No. 1111, 1896.

- boundary monument No. 19, and in the drift of the Santa Cruz River at Tucson. It is also abundant at Fort Clark, Texas." (Dall, p. 365.)*
6. *Helicina orbiculata*, Day. — "Abundant, dead, at Fort Clark and Fort Worth." (Dall, p. 375.)*
 7. *Physa mexicana*, Philippi. — "Collected by Dr. Mearns at Fort Worth and Fort Clark, Texas," etc. (Dall, p. 368.)*
 8. *Planorbis tumidus*, Pfeiffer. — "Specimens of this species were sent by Dr. Mearns from Las Moras Creek, Kinney County, Texas, and the Rio Grande River, near El Paso," etc. (Dall, p. 369.)*
 9. *Unio couchianus*, Lea. — "Dr. Mearns procured a single right valve of what I believe is the young of this species. It is in a better state of preservation than Lea's specimens, and exhibits quite distinct, scattered tubercles." (Simpson, p. 371.)*
 10. *Unio undulatus*, Barnes. — "A single, badly broken and much worn right valve of what is no doubt this species was obtained in Kinney County, Texas." (Simpson, p. 371.)*
 11. *Unio popei*, Lea. — "The type of this species came from the Rio Salado, Texas, and the Rio Salado, New Leon, Mexico." "Dr. Mearns obtained numerous valves in tolerably fair condition from Kinney County, Texas." (Simpson, p. 371.)*

*Proc. U. S. Nat. Mus., XIX, No. 1111, 1896.

"List of Shells named for Dr. Edgar A. Mearns,
Fort Clark, Kinney County, Texas."

1. *Heleicina orbiculata* Say.
2. *Bulinulus dealbatus* Say
3. *Bulinulus dealbatus* form *ragdalei* Pils.
4. *Succinea luteola* Hed.
5. *Succinea avara* Say? a single shell. Oak thicket.
6. *Polygyra texasensis* Mor.
7. *Limnaea columella* Say
8. *Glanorbis tumidus* Pfr.
9. *Physa osculans* Hald. [= *P. mexicana*]
10. *Pisidium compressum* Prime.
11. *Sphaerium solidulum* Prime
12. *Glandina* sp. -
13. *Unio popei* Lea
14. " *berlandieri* Lea. The large shell.
15. " new sp. like *anodontoides* valve
16. " new? Valves.
17. " *texasensis* Lea? Valve.

"My Dear Dr. Mearns:

Dr. Dall has handed me your kind note and the shells you sent for examination and I have gone over the shells and named them as carefully as I can and with this return you named specimens of all which were sent in duplicate. The *Physa* is probably a form of *mexicana* Phil (*osculans* Hald. seems to be the older name) but these have lived somewhere where conditions were not favorable and are more or less distorted. I wish it might be

possible for you to get and send some of the *Unios* alive especially *U. popei* Lea which ought to be gravid now. I think you could wrap them in slightly dampened packing, enclose tightly and mail at this season without much risk of their spoiling on the way. The single valve found by the little girl [Miss Alice Goay] seems to be new and related to *U. anodontoides*. I wish you could find more of it.

It is possible that one of the others - of which only valves are sent - is new. The *Glandina* is so broken that I cannot determine it. You may find more. I hope you may be able to get lots of stuff in your vicinity and over in Mexico, especially *Naides* which I should like alive or in alcohol. Thanking you for this interesting sending & wishing you health and success

"I am truly yours

"C. J. Simpson."

"The shells that came in this box are *Polygyra texasiana* & *Succinea luteola* I think."
3874. Four specimens of *Unio popei* from
Las Moras Texas, April 30, 1898, in alcohol.
37. Horned Toad. May 31, 1898 " "

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No.

Notes on Reptiles.

Bascanion constrictor (Linnaeus). Black Snake; Blue Racer. Specimen taken at Fort Myer, Va., March 21, 1897. I gave it to Dr. L. Stejneger, who presented it to the National Zoological Park.

A second specimen was taken at Fort Myer, Va., April 11, 1897, and given to Dr. Stejneger.

A very large snake, probably the largest I ever saw in a wild state, was seen in Las Moras Spring, Kinney County, Texas, February 11, 1898. Several years ago, Lieutenant J. D. Ord, U.S.A., killed one of two large "water moccasins" at this place.

Fort Clark, Texas. - Feb. 27th the first lizards were seen abroad - three genera, Sceloporus, striped slender ones, and pale ones that run with tail up.

4256 On Feb. 21, ¹⁸⁹⁸ a Sceloporus was found under leaves, dormant, when I was gathering land shells

4257 Soft-shelled Turtle. Las Moras Creek. Feb. 24, 1898

222 Small striped snake. Ft. Clark, Texas. March 18, 1898.

3665 Painted Turtle. March 30, 1898. Las Moras Spring. Alcoholic. Small

3 Soft-shelled Turtle. Las Moras Creek, near head, April 1, 1898.

220 Chrysemys? from Las Moras Creek, Kinney County, Texas. April 3, 1898.

- 3608. Soft-shelled Turtle ♀ ad. Contained a great many eggs, about 15 mm in diameter (spherical). Las Moras Creek, Kinney Co., Texas. April 3, 1898. Saw, crosswise, in two parts.
- 3850. Small Rattlesnake. Ft. Clark. Apr. 10/98
- 3860 Soft-shelled Turtle. Very small. do
- 3847 do Larger do
- 3853 do Still larger do
- 3895 Painted Turtle (large) do
- 3868 do (small) do
- 3846 do (smaller) Ft. Clark, April 12, 98
- 3858 Soft-shelled Turtle (small). do
- 3817 Small Striped Snake Ft. Clark, April 14/98.
- 3881 Lizard (Sceloporus) " " 15/98.
- 1 Large Striped Snake. " " 19/98.
- 3852 Soft-shelled Turtle (large) ♀ ad. " " 22/98.
- 3863 Painted Turtle (large) Dry for skeleton. Apr. 20/98
- 3887 " " " Ft. Clark. April 23, 1898
- 3857 " " (smaller) " " "
- 3826 " " " " " "
- 219 Soft-shelled Turtle. (young). Pinto Creek, Texas April 25/98.
- 3830 Horned Toad. Ft. Clark, Texas. April 25, 1898.
- 3808. Small Rattlesnake do April 30, 1898.
- 3829. Large Snake. do May 3, 1898.
- 3891 Water Snake. do May 5, 1898.
- 3816 Slender striped Lizard. do do
- 3896. Tree Lizard (Sceloporus) do May 10, 1898.
- 38--. Blue Racer Snake. do do
- 3875. Lizard do May 11, 1898.

- 3824 Small Rattlesnake. Ft. Clark, Texas, May 13, 1898.
- 3933 Small Horned Toad (young) do May 15, 1898
- 3885 Soft-shelled Turtle, Las Moras Spring. do do
- 3819 do do do do
- 3855 Painted Turtle. do do do
- 4411 Soft-shelled Turtle (dry) from Seminole hut Dec. 1897. Horned Toad. - 8 eggs, averaging 8 x 12 mm, equally rounded at both ends, Twenty-eight (28) were laid by a captive specimen in one night, at Ft. Clark, Texas, May 24, 1898.
- 3992 Horned Toad. Ft. Clark, May 27, 1898. Caught while eating ants at an anthill.
- 3917 Rattlesnake Ft. Clark, Texas. June 10, 1898

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No. Notes on Batrachians

4259				This ^{small} frog was
	caught in Las Moras Creek, Feb. 6, 1898.			Alcoholic.
4255	<u>Hyla</u>			
	Ft. Clark, Texas (edge Las Moras Creek). March 16, 1898.			
	Color ash, with rusty patch in middle of back.			
4258	<u>Rana</u>			
	Tadpole from pool supplied by windmill, near			
	Ft. Clark, Texas. March 2, 1898.			
3999	<u>Rana</u>	} Ft. Clark, Texas, March 16, 1898		
3996	"		Las Moras Creek	
3995	<u>Hyla</u>	}		
4265	"		do	
4266	"			
4086	"			
3819	<u>Rana</u> (greenish).	Las Moras Cr.	March 30, 1898.	
3769	" (large)	do	Apr. 4, 1898	
3542	" (small)	do	do	
7	" "	do	do	
3738	<u>Tree Frog</u>	do	do	
215	do	do	do	
217	do	do	do	
3285	do (rusty on back)	do	do	
3775	do	do	do	
5	<u>Rana</u> (small)	do	do	
3706	<u>Tree Frog</u>	do	do	
3831	" "	do	Apr. 9, 1898.	
3820	" "	do	do	
11	<u>Rana</u>	do	Apr. 18, 1898.	
3836	<u>Hyla</u>	do	Jan. 18, 1898.	

No. Notes on Fishes.

3571	Mud Perch	Las Moras Creek, at Fort Clark, Kinney County, Texas. March 29, 1898.
3786	do	
3451	do	
3763	do	
3821	do	
3431	Black-spotted Sun Perch	do
4163	do	do
3595	do	
9	Pale Sun Perch	
8	Long-eared (black) Sun Perch	do
10	do	
12	do	
13	do	
3662	Green Bass	do
4	Black-spotted, fork-tailed Cat	do
3785	Fork-tailed Black-spotted Catfish from Las Moras Creek, Kinney Co., Texas, April 1, 1898.	
224	Cat fish (eviscerated) from Las Moras Creek, Kinney Co., Texas. April 3, 1898.	
3889	Tail	Mud Cat from Las Moras Creek, Kinney County, Texas, April 12, 1898. Weight 23 pounds. A tracing of this fish was made on manilla paper. <u>Leptops olivaris</u> (Rafinesque).
3828	Dorsal fin	
3839	Fin	
3862	Anal fin	
3802	Fin	
3844	Adipose fin	
3864	Half of head	
?	do	
3882	Alligator Garfish: yg. April 25, 1898. Pinto Creek	
3810	do do do Texas	

3213. "Sardine" Las Moras Creek. Apr. 26/98.
 3834 Twenty Minnows from do January 18, 1898.
 3870. Fins of Fork-tailed Catfish, from Las Moras
 Creek, Kinney County, Texas, May 19, 1898.
 Two profiles + outlines of it were sent by mail.
Ictalurus punctatus
 3821 Sun Perch from Las Moras Cr., May 26, 1898.

Crustaceans.

- No. 6. 19 Crawfishes from Las Moras
Creek, Kinney Co., Texas. March 31, 1898.
- No. 3871. Six red Crawfishes, dug from
their holes beside Las Moras Creek.
There were usually two in each hole.
The holes large enough to admit my hand.
One female had a batch of eggs attached.
- No. 3830. Crawfish from Las Moras Creek,
Kinney Co., Texas. April 4, 1898.
- No. ? Seven small Crawfishes do do
- No. 216. Small Crawfishes do do
- No. 3877. Crawfish ♀ ad. with batch of eggs
; taken from burrow in mud. The
male was absent. Las Moras Creek,
Kinney Co., Texas. April 10, 1898.
- No. 3894. Red Crawfish. Las Moras Creek, Apr. 18, 1898.
- " 3886. Seven Small Crawfishes from Las Moras
Creek, Kinney Co., Texas. January 18, 1898.

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