



Hunt Institute for Botanical Documentation  
5th Floor, Hunt Library  
Carnegie Mellon University  
4909 Frew Street  
Pittsburgh, PA 15213-3890  
Telephone: 412-268-2434  
Email: [huntinst@andrew.cmu.edu](mailto:huntinst@andrew.cmu.edu)  
Web site: [www.huntbotanical.org](http://www.huntbotanical.org)

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#### *About the Institute*

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

PLANT IDENTIFICATION NOTES

Book #3

#3

391-490 + 499

491-498 in #4

3

from 15 June 1963

to

6 July 1963

Empire Wire-Glo

NO. W907 END OPENING

NO. W908 SIDE OPENING

19

If lost, please  
return to

Jack Reveal

U.S.F.S.

Box 26

Lee Vining

#3

No. 391 Date 6/15/63

Species Rosa - orange rust  
on stems

Location Conway Ranch  
along Co. Rd. Sec. 19,  
T2N, R26E

Type-Assoc. Sp. meadowland  
- Cottonwoods,

Soil deep stoney, gleyed  
alluvial

Elevation 6580 Exposure S.

Remarks This is the common  
Rose species

Collector J. R. R.

No. 392 Date 6/15/67

Species Populus - exotica

Location Substation spring, W.

side Mono Lake above Hwy 395  
± 3/4 Mi. N. of Taya Lodge

Type-Assoc. Sp. Meadow

below sage hillsides

Soil Moist - spring  
area.

Elevation 6550 Exposure E

Remarks Commonly planted

Collector JAR

No. 393

Date 6/15/63

Species Willow-

Location Conway, Maine

Same 391

Type-Assoc. Sp. Meadow.

along irrigation ditch

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks very large tree

3' dbh

Collector J. R. R.

No. 394 Date 6/15/63

Species POA

Location Maloney meadows  
NW shore Mono Lake  
above Mono Vista Spring

Type-Assoc. Sp. meadows  
Poa, Carex, Lunaria

Soil beach-derived  
-moist

Elevation 6550 Exposure S

Remarks Common grass  
in meadows.

Collector JGR

Sec. 20 T 2N, R 20 E

No. 295 Date 6/15/63

Species Juncus

Location 394 - same  
place -

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Course rush - up to  
16" high.

Collector JHR

No.	396	Date	6/15/63
Species	Scirpus -		
Location	394 - same place - wet places above Treno Vista Spring		
Type-Assoc. Sp.			
Soil			
Elevation		Exposure	
Remarks			
Collector	JAL		

No. 397 Date 6/15/63

Species Mimulus

Location Malone's place  
on stream (from spring)  
(Mono Vista Spring)

Type-Assoc. Sp. streamside  
willow, sage, chrysothamnus

Soil Beach sands +  
gravels.

Elevation 6550 Exposure South

Remarks yellow fls. hollow flat  
stems.

Collector J & R

No 398

4/15/63

Collected Full wood -

Location Streamside at  
Maloney Place (Maloney  
Vista Spring)

Type Assoc. Sp.

heads in clusters

Soil like a polygonum

Elevation 6550 So.

Remarks Striated stem

"green fls"; long 8-10" lvs.

Collector S + A. K.

No. 399 Date 6/15/63

Species Allium sp.

Location Maloney's place  
in willows interspaces

N. of buildings.

Type Assoc. Willow - Sage,  
weeds.

Soil beach sands

Elevation 6550 Exposure South

Remarks Large purple-pink  
(or white) fls.

Collector H & R

No. 400 Date 6/15/63

Species *Lycopodium*

Location Levin's cemetery  
above Meloney's

Type Assoc. Sp. Cleared  
ground. - weeds.

Soil Lake Russell bench  
alluvial.

Elevation 6560 South

Remarks Growing in "sacked"  
soil

Collector J. H. R.

No. 401

Date 6/15/63

Species *Sesuvium*

Location Coyote Sp - Bridgeport  
Canyon

Type Assoc. S. meadow (streamside)  
Willow - Sage - grass & weeds  
Soil deep alluvial

Elevation 7180 Direction South

Remarks

Collector

JHR

Sec 14, T3N, R 26 E.

ML

No. 402 Date 6/15/63

Species Allium

Location Coyote Spr in  
Bridgeport Can  
Same 401

Type Asa's

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Remarks 1 sheet. Hard to find

Collector JGP

No. 403

Date 6/15/63

Species *White caryophyllaceae*

annual: strawberry like in ~~foliage~~  
habitat

Location Coyote Sp.

Same as 401

Type Area: Ca. meadow - in

the opening in grass (100% sp.)

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Remarks Common.

Collector

J. A. R.

No. 404 Date 6/15/63

Species Succulent "pegweed"

Location Coyote Spring -

Same as 401

Type Assoc. Sp.

Soil

Elevation

Remarks

Growing on soil  
adjacent to salt trough

Collector

J. A. Reveal

\* (3)

Senecio cowleyi var  
scorzottella Jepson

No. 405 Date 8/15/63

Species Senecio. (perennial?)

Central terminal head + many  
below. Hollow stem.

Location Cain Ranch - along  
Parish Lake Road

Type Assoc. Sagebrush, ~~etc~~ grass  
forbs

Soil glacial alluvial

Elevation 7100 Exposure flat (South)

Remarks May be exotic sp.

Collector H.A.R.

Senecio integerrimus Nutt.  
var. exaltatus (Nutt.) Cronq.

No. 406

Date 6/15/63

Species *Rumex* (Perennial)

Location Cam Ranch (405)

Type-Assec. S.

Soil

Elevation

Exposure

Remarks from heavy root  
stock - numerous stems.

Collector

J + A. R.

No. 407 Date 6/15/63

Species Cruceferae

Location Cain Ranch silene  
as 405

Type-Assoc. silene

Soil silene

Elevation flat long silene

Remarks lt. blue fls; pendulous  
silenes; biennial; long pods

Collector J & R

No. 408 Date 6/15/63

Species *Dracopis (saxiphyla)*

Location Carras Ranch 405

Type-Asoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J. G. R.

*O. contorta* Dougl.

No. 409

Date 6/16/63

Species *Oenothera* (annual)

Location Deep Wells road

2 mi. S. of Alameda Cow Camp

Type Assoc. Sp. Sage-rabbitbrush

Soil deep, sandy alluvial

Elevation 6880 Exposure flat

Remarks Common thru pasture  
to somewhat arid; temp fls.

Collector Sand & R.

Sec 29, T3N, R29 E.

★ (2) New to Mono Co.  
Gilia inyoensis Johnston

110

No. 410 Date 6/16/63

Species Oenothera (?)

Location 409 - flamed. Wells

Type Assoc. Sp.

Soil

Elevation

Exposure

Remarks hard to find

Collector

H. R.

14113

No. 411 Date 6/16/63  
Species Leptochalcium pungens

Location 409 - alemeda wells.  
- always grows where  
protected by a sagebrush.

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Common in these Basin  
Just beginning to bloom

Collector L & A Rival

1113

No. 417 Date 6/16/63  
Species Tall "3 1/2 inch" white  
fls; appressed. (downward)  
silenes.  
Location Sleep Wells road on  
S. side Mono Basin  
Type Assoc. Sp. Juniper - Sage.  
Chrysothamn.  
Soil Lime tufa from  
Lake Russell shoreline  
Elevation 7100 ft. Exposure East  
Remarks Common - up to  
6' tall when mature  
Collector J. G. R.

Det. Sec. 344, T 2N, R 29E,

4V

No. 413 Date 6/16/63

Species Minulus (yellow fls)

small dryland annual

Location Deep Wells Rd ± 5 mi South  
Alameda Wells Sec 10

T 2N, R 29 East

Type Assoc. Sp. Juniper - Sage

Soil In the basalt outcrops -  
deep sand + gravel

Elevation 7200 Exposure So.

Remarks Common

Collector S + A R.

No. 414 Date 6/16/63

Species Mimulus (reddish fl.)  
dryland annual

Location 413

Type Assoc. Sp.

Soil lir3

Elevation            Exposure           

Remarks Common.

Collector Janel A R

①

*Erigeron bloomeri* A. Gray  
var. *bloomeri*

No.	415	Date	6/16/63
Site	<i>Erigeron</i> (6" high) / sayless		
	perennial		
Locality	413		
Time	12:30	Sp.	2
Soil			
Elevation	5000	Exposure	
Remarks			
Collector	H. A. Reveal		

No. 416 Date 6/16/63

Species Phlox (cespitosa)

Location 413

Tree Assoc. Sp.

Soil

Elevation            Exposure           

Remarks

Collector

J and A. Reveal

*O. tanacetifolium* T. & G

AV

No.	417	Date	6/16/63
Species	<i>Oenothera. cespitosa</i> annual w/ yell. fls; five serrate lvs.		
Location	Dry Lake below Gnat Guggler - Deep Wells Rd. NW 1/4 Sec 13 T2N, R29E		
Time Assoc. Sp.	Dry Lake. Only plant growing - surroundings is Sagebrush		
Soil	Pumice adobe. Wet from winter accumulation of moisture		
Elevation	7200	Exposure	SW
Remarks	Apparently not found elsewhere in adobe hills.*		
Collector	Sand & Ruest		

This plant profuse in now  
dry lake bed of about 0.5 a  
\* in dry lakes to East  
\* in Achovite Hills -

24

No. 418 Date 6/16/63

Species Oenothera ? tenuis  
annual

Location Adjacent to 417  
In the dry sagebrush  
covered site

Type Assoc. Sp. Sagebrush -  
Chrysothamnus - rice grass

Soil deep purple

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J. A. R.

AV

No. 419 Date 6/16/63

Species Cryptantha (perennial)

Large clump w/ heavy taproot  
Yell. fls;

Location Deep Wells Rd. near  
head of Canyon into Adobe V.

Sec. 30 - T. 21 N, R. 30 E

Tree Assoc. Sp. Lumpen ~~to~~ Sage

Soil Basalt outcrops  
+ sand

Elevation 5700 Exposure So.

Remarks Common here.

Collector J. G. R.

No. 420 alt. date 6/16/63

Species Cruceferae? Tiny  
fls, clawed petals

Location Deep Wells Rd -  
Canyon into Adorable Valley  
at the bottom

Type Assoc. Sp. Lumper - grass -  
Sage - Ephedra - Tetradymia

Soil Basalt remrocks -  
sand

Elevation 6180 Ex: South

Remarks tall - 5' - several  
stems. Common here

Collector J + R

No. 421 Date 6/16/63

Species *Ephedra*

Location Same as 420

Time Assoc. Sp. ——— ?

Soil ———

Elevation 9120 ft Exposure

Remarks Common - hedged

along road.

Collector J. A. R.

Leptodactylon poygens (Torr.) Nutt.  
var. Hookeri (Dougl.) Wherry

No. 422 Date 6/16/63

Species Leptodactylon: fls. white  
to pink; petals open or "closed"

Location Black Canyon Road  
just inside forest Basin

Type Assoc. sp. Pinon-Sage-  
rabbitbrush, Ohv, Eco

Soil deep pumice & alluvial

Elevation 7300 Exposure NE

Remarks Common; grows in  
openings between other shrubs

Collect. See #11 for more Basin

form which grows inside  
Artemisia tridentata shrubs.

No. 473

Date 6/16/63

Species *Cercocarpus ledifolius*

Location Black Canyon Road  
at lower edge of Jeffrey  
Pine timber on ridge

Type-Assoc. Sp. JP-Sage

Soil alluvial volcanics

Elevation 8000 Exposure NE

Remarks Common  
on all dry rocky ledges

Collector S & R.

No. 424 Date 6/17/63

Species *Trifolium, annual, prostrate*  
annual (Monten?)

Location North side of Mono  
Crater - Edge of timber  
along Hwy 120

Type-Assoc. Sp. Bitterbrush

Soil Pumice & alluvial

Elevation 6600 ft Exposure North

Remarks

Collector S & A. Reveal

growing in sandy  
openings between bitterbrush

*Potentilla fruticosa* L.

ML

No. 425 coll. date 6/18/63

Species Mimulus

Location North side mono-  
craters - Edge of timber  
on Hwy 120

Type Assoc. S. Bitterbrush

Soil Permian & alluvial

Elevation 6600 Exposure N

Remarks Tiny plant - reddish  
purple flowers

Collector Jard & R.

No.	426	Date	6/18/63
Species	Polygonum - basal rosette green fl. parts		
Location	Same 425		
Type Assoc.	Sp.		
Soil			
Elevation		Exposure	
Remarks			
Collector	JR		

Potentilla fruticosa L.

No.	427	Date	6/19/63
Species	Potentilla - (shrubby)		
Location	Lee Vining R. S. horse pasture		
Type Assoc.	Sp. Sedge- <u>fen</u>		
Soil	glacial alluvial		
Elevation	7200'	Exposure	flat
Remarks	Uncommon here		
Collector	JK		

Recollect - ? no specimen  
from USU.

*Potentilla americana*

No. 428 Date 6/19/63

Species ~~*Potentilla*~~?

*Pentstemon*

Location Lee Vining R. S.

pasture

Type Assoc. Sp. Same 427

Soil wet glacial alluvial

Elevation 7200 Exposure flat

Remarks Common; perennial  
purple fls.

Collector JR

AV

No. 429 Date 6/20/63

Species Potentilla (annual)

Location Baxter Sp - Head of  
N. Canyon Sec. 6, 15, 29E

Terrest. Sit. Streamside

Soil Deep alluvial

Elevation 7:700 Exposure East

Remarks Annual w/ small  
yell. fls.

Collector J. Reveal

Gratiola neglecta  
Torr.

No. 430 Date 6/20/63

Species Unknown small  
annual

Location Big Sand flat - west  
end. Sec 9, T15, R28E

Type Assoc. Sp. *S. canadensis*  
5

Soil Pinnac sand

Elevation 7850 Exposure flat

Remarks tiny pink fls.

Collector

J. Reveal

MLC

No. 431 site? Date 6/22/63

Species Castilleja

Location Mono Lake Substation  
on W. side Mono Lake

1 mi. N. of Tioga Lodge

Type Assoc. Sp. Burn (formerly)

Sage-grass-woods

Soil alluvial-stony

Elevation 6100 Exposure E

Remarks Perennial w/  
yellow spurs

Collector L & G R

No. 432 alt. rate 6/22/63

Species Mentzelia -

Location 431

Type Assoc. Sp.

Soil

Elevation 5120

Exposure

Remarks Annual w/ small

fls - 10-14" tall

Collector J + G R.

No. 433 Date 6/22/63

S. e. in Medicago (yell. mixed)  
clown

Location ~~433~~ Sub Station spring  
at side of Lake - 1 mi North  
of Toga Lodge

Type: Assoc Sp. Common  
grass

Soil deep alluvial - moist  
from spring area

Elevation 6400? Exposure E

Remarks Common

Collector J & R

No. 434 Date 6/22/63

Species "*Polemonium*?"

Location 433 in water

Type Assoc. Sp.

Soil

Elevation Exposure

Remarks opp. lvs; small blue

fls.

Collector J. H. Reveal

No. 435 Date 6/27/63

Genus ROSA-

Rosa woodsii Lindl.  
ultramontana (S. Wats) Jeps.

Location 437

Type Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Common.

Collector

J. & R.

No. 436 Date 6/22

Species Elymus

Location 439

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation 5100 Exposure \_\_\_\_\_

Remarks Common - 36" high

Collector J + A Ravenel

⑤ \*

Laysia glandulosa (Hook.)  
Laysia glandulosa (Hook.)

No.	437	Date	6/27/63
Species	"Sage Lily"		
Location	Foot hills of N. side Mono Lake. (Rancheria Gulch <del>East</del> ) Road		
Type-Assoc. Sp.	Sagebrush		
Soil	alluvial fans + benches (above Lake Russell)		
Elevation	7200	Exposure	South
Remarks	Rather common white fl.		
Collector	J.H.R.		

Sec 32, T3N, R20E

★ (4)

Layia glandulosa (Hook)  
Hook. & Arn. ssp. glandulosa.

No.	438	Date	6/22/68
Species	Layia		
Location	437		
Type-Assoc. Sp.			
Soil			
Elevation		Exposure	
Remarks			
Collector			

No. 439 det'd by 6/22/63

Genus Cucifera (biennial  
or perennial)

Location Rancheria Canyon

N. of Mona Lake - Above

Tan paper Spring

Type Assoc. Sp. Sage - Pinus

Soil Rocky, gravel

Elevation 7200 Exposure South

Remarks Blue fls; Long, large  
flat siliques - 12"-24" long.

Collector J. G. Reveal

NW 1/4 Sec 33, T3N, R 26E

No. 440

Date 6/22/63

Species *Penstemon*

Location same 439

Type-Assoc. Sp.

Soil

Elevation Exposure

Remarks 2" tall; yellow fls.  
hard to find.

Collector LAR

No. 441 date 6/22/63  
 Name "Eriogonum" perenniale  
 Location 439  
 Type Assoc. Sp. \_\_\_\_\_  
 Soil \_\_\_\_\_  
 Elevation \_\_\_\_\_ Exposure \_\_\_\_\_  
 Remarks 4"-6" tall - rayless  
yellow, conspicuous fls.  
 Collector H. A. R.

No.	442	Date	6/22/63
Species	Galea? with throated blue + white ting. flowers		
Location	439 - under Pinyon Pines.		
Type-Asoc. Sp.			
Soil			
Elevation		Exposure	
Remarks	3"-6" - very thin & thready Common.		
Collector	J & R.		

Eriastrum sparsi florum  
(Eastw) Mason. var. wilcoxii  
(A Nels.) Cronq.

No. 443 alt? Date 6/22/63

Species fuzzy yellow?

Location Same ~~alt~~ 439  
under juniper trees

Type-Assoc. Sp. Found in the  
Sagebrush openings

Soil \_\_\_\_\_

Elevation 8000 Exposure west

Remarks Very fuzzy heads  
blue fls. (Cobwebby)

Collector J & K

Same sp as 445

No.	444	Date	
Species	Thready annual - 4" - 6" w/ red stems.		
Location	H 39		
Type Assoc. Sp.			
Soil			
Elevation		Exposure	
Remarks	hard to find - tiny white-pink fls.		
Collector	Lamb & R.		

*Epilobium paniculatum*  
Nott.

No.	445	stb0	6/22/63
Notes	Similar to 444 but thinner & with "bracteate leaves in axils"		
Location	Same as 439		
Type-Assec. Sp.			
Soil			
Elevation		Exposure	
Remarks	very tiny - white fls.		
Collector	S. R.		

No. 446 Date 6/22/63

Species Living annual with  
yellow fls; compact, fuzzy

Location 439

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Uncertain

Collector S. G. P.

No. 447 Date 6/22/63

Species Montia<sup>sp.</sup>

Location 439 under Pinyon

Type-Assec. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Very annual with  
"microscopic" fls.

Collector J + A B.

No. 448 Date 6/22/63

Species Cryptantha

Location 439

Type Assoc. Sp. Andra Pungon

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Slender, small (3-6")  
annual

Collector J & R

No.	449	Date	6/22/63
Species	Lewisia		
Location	Same 439 on the ridge		
Type-Assoc. Sp.			
Soil	- Rocky, shallow		
Elevation		Exposure	
Remarks			
Collector	J and A Reuel		

No. 450

Date 6/22/63

Species *Liliaceae* "onion"

w/ white fls - no basal  
lvs.

Location 439

Type Assoc. Sp.

Sagebrush  
(*G. nova*)

Soil

Elevation

Exposure

Remarks

no other found

Collector

J and G Reveal

No.	451	Date	6/22/68
Species	Poa sp.		
Location	439		
Type Assoc. Sp.			
Soil			
Elevation		Exposure	
Remarks	Common. Good on this sheep range.		
Collector	L. & R.		

fibrous roots in clumps  
(bunches) wide blades

No. 452 Date 6/22/63

Species Muhlenbergia?

Location 439

Type-Assoc Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Grows in dense  
mats several feet across

Collector S & R.

at B

No. 453 col Date 6/22/63

Species Ephedra viridis

Location Foot Hills north  
of Mono Lake -  
Rancheria Creek

Type-Assoc. Sp. \_\_\_\_\_ col

Soil \_\_\_\_\_ col

Elevation 5720 ft Exposure \_\_\_\_\_ col

Remarks Distillate + Staminate  
flowering branches.

Collector H. G. R. col

No. 454 Date 6/22/63

Species *Astragalus*

Location Sand dunes along  
Pole Pine Road - North  
side of Morse Lake

Assoc. Sp. *Atriplex*, greasewood  
Big sagebrush.

Soil deep lake Russell  
beach sands

Elevation 6500 Ft. S. 13 South

Remarks Early flowers white  
& blue - turning yellow

Collector J & R

No. 455 date 6/22/63

Species ~~Spiny Hawthorn~~

*Sarcobatus vermiculatus*

Location Low benches and  
sand dunes on north  
side of Mono Lake

Type-Asso. Sp. *Atriplex*, *Grewia*

Soil deep Lake Russell beach  
sands

Elevation 6500 ft. Ex. s. m. South

Remarks Common shrub

Collector J. R. R. R.

No. 4576 Date 6/22/63

Species *Atriplex spinescens*

Location Sand dunes + benches  
on north side of  
Mono Lake (Same 455)

Type Assoc. Sa.

Soil

Elevation Exposure

Remarks

Collector L + A Ravenel

No. 457 Date 6/23/63

Species *Astragalus*, perennial

Location Sand hills on  
N. side Mono Lake  
near Bodie Rd. Junction

Type Assoc. Sp. Sage - atropis  
Greasewood

Soil Deep Lake Russell  
sands.

Elevation 6500 Exposure South

Remarks Erect, open linear compound  
lvs; long red streaked pedicels, blue  
fls

Collector J & G. R

Usually grows in a  
big sagebrush using shrub  
for protection & support.  
Deep rootstock.

No. 458 Date 6/23/63

Species Astragalus -

same as 454 -

young plant

Location Same as 457

Type Area Sp.

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector K. R.

No. 459

Date 6/23/63

Species *Oenothera* - erect  
w/ basal lvs. Small white fls.

Location Sand Dunes on N. side  
of Mono Lake near  
Bodie Rd. Junction

Type Assoc. Sp. Sage - *Atriplex*  
Greasewood

Soil deep Lake Russell  
sands

Elevation 6500 Exposure South

Remarks Common

Collector S. G. R.

No. 460 Date 6/25/63

Species ~~Lep.~~ Cruciferae  
(perennial? or biennial)

Location Lee Vining R.S.

Tree-Asso. So. Aspen -

grass

Soil deep glacial  
alluvial

Elevation 7200 Exposure SE

Remarks Prostrate,  
purse-shape caps.

Collector Loak Reveal

petals & anthers  
adhering to seeds  
in maturity. Tiny  
white fls in heads

No. 461 Date 6/25/63  
Species "Daisy" - (perennial?)

Location Lee Valley R.S.

Time-Assoc. Sp. Carex - willow

Soil

Elevation

Exposure

Remarks

white ramp; yellow  
center; rays dentate

Collector

J. Reveal

seriate "carrot" like lvs.  
May be exotic - brought  
in by livestock.

No. 462 Date 6/25/63

Species Cochlidium  
lanulosa

Location Lee Vining R.S.

Type-Assoc. Sp. all moist  
sites - lawns,  
~~soil~~ aspen, etc.

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Very common  
- ~~in~~ riparian zones

Collector J. Ravenel

No.	463	Date	6/26/69
Species	White Dutch Clover		
Location	Lee Vining R.S.		
Time Assoc. Sp.	Moister places apparently escaped		
Soil			
Elevation		Exposure	
Remarks			
Collector	J. R. R. R.		

ML

Mineral Co., Nev.

No. 464 Date 6/29/63

Species ~~Stipa~~ *Trisetum*

Location Just inside Nevada  
on Pole Line Rd. - in  
Basalt ledge 1/4 Mi North  
Type Area Co. Juniper-sage

Soil Basalt & pumice

Elevation \_\_\_\_\_ Exposure South

Remarks Tufted perennial  
- small - 12" high

Collector J. R. Howell

Mineral Co. New - ML

No.	465	Date	6/29/63
Locality	<del>Alamo</del>		
Plant	<i>Gilia congesta</i> Hook		
var.	palmeri Fernald (Brand) Cronq.		
Location	Pale Line Rd - 2 mi. W.		
	of Pale line Summit		
	North of road 1/4 mi		
Type Assoc. Sp.	Pinyon Sage		
Soil	deep alluvial - sand		
	+ pumice - Basalt outcrops		
Elevation		Exposure	
Remarks	Erect plant - white fls		
Collector	J. R. Howell		

Det. Jim Howell


ML

Mineral Co Nev

No.	466	Date	6/29/63
Species	Eriogonum? simplex		
	yell. fls - <del>partiate</del> linear lvs -		
	perennial		
Location	Same 465		
Type Assoc. Sp.			
Soil			
Elevation		Exposure	
Remarks	low matted prostrate		
Collector	J. Reveal		

mc

Mineral Co New

No.	467	Date	6/29/63
Species	Astragalus - matted perennial - white to light blue fls		
Location	Scenic 465		
Time Assoc Sp.			
Soil			
Elevation		Exposure	
Remarks	Low caespitose perennial leaves curved  in cross section		
Collector	JK		

Leaflets 5 - obovate. Pod light green, 3/4" long - not hairy. Plant forms caespitose mat 3"-8" broad 1"-3" high - fls. on underside of plant. i.e. basal.

MB

Mineral Co. Nevada

No. 468 Date 6/29/63

Species *Cryptantha*

Location 465

Type-Assoc Sp.

Soil

Elevation Exposure

Remarks Perennial from rootstock  
white fls.

Collector J.K.

469 - Composite - matted, small lvs;  
scapes 2"-3" w/ yell rayed fls in  
single heads - aphyopappus or similar.

Mono County

Mt. Basin

No. 469a Date 6/29/63

Species *Eleocharis*

Location Cottonwood Canyon  
(Bodie Hills) - Fork of drainage  
Sec 32, T4N, R27E.

Time Assoc Sp. Streamside  
- Grass, Carex, Junco, A. cana.

Soil Deep alluvial

Elevation 7500 Exposure South

Remarks not very common

Collector Jack Reveal

No. 470 Date 6/29/63

Species *Carex*

Location Same 469 - dry  
land - in the sand.

(4-6" high)

Type Assoc Sp.

Soil

Elevation Exposure

Remarks Heads w/ "hairy" look -  
Terminal.

Collector S. Reveal

No. 471 Date 6/29/63

Species Carex

Location Same as 469 - in the water

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks heads lateral.

Collector \_\_\_\_\_

No. 472 Date 6/29/63

Species Alopecurus? Gastridium?

Location Same as 469

Type-Assoc. Sp.

Soil On dry land -  
stream-side

Elevation Exposure

Remarks not common

Collector J. R. Reveal

No. 473 Date 6/29/63

Species Poa sp.

Location 469 -

Type-Assoc. Sp.

Soil On dry land streamside

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Assoc. w/ Poa pratensis

Collector J. Reveal

No. 474 Date 6/29/63

Species *Alpecurus* ?

Location Same 469

Type Assoc. S.

Soil In wet water-logged  
soil streamside.

Elevation \_\_\_\_\_

Remarks Resembles *Phelma*

Collector Shreve

No. 475 Date 6/29/63

Species Buttercup

Location Streamside -

Same as 459

Type Assoc. Sa.

Soil

Elevation            Exposure           

Remarks Long runners,  
yellow fls

Collector Sheldon

No.	476	Date	6/29/63
Species	Water plant Louisiana		
Location	Same 469 - in the stream		
Type Assoc	Sp.		
Soil			
Elevation	Exposure		
Remarks	2 sepals - 5 petals - anthers light purple.		
Collector	Shreve		

Small white fls; long, red runners in water or mud  
 Green spatulate lvs. Plants 2-4" high, tufted. Lvs thick

No. 477 Date 6/29/63

Species Wood-resembling Rumex

Location Same 469

Type-Assoc. Sp. Carex, Liriodendron

Soil Moist streamside

Elevation 2100' Exposure

Remarks rather common

Underground rootstock - 24" + high

Collector J. R. Howell

No. 478

Date 6/29/63

Species *Anemone*

Location Same 469

Type-Assoc. So. many localities  
+ types

Soil dry roadsides  
+ waste places

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Very common  
along roads on bare ground

Collector J. R. Howell

No.	479	Date	6/29/63
Species	<i>Artemisia cana-van bolanderi</i>		
Location	469		
Type-Assoc. - Sp.	Carex, Grass (Poa)		
Soil	moist streamside banks & sandy places		
Elevation		Exposure	
Remarks			
Collector	S. Rees		

Specimen with leaves  
resembling tripartita.  
To show variance

Mono County, Calif

No. 480

Date 6/30/63

Species Rosaceae

1/4 mi. w. of the  
Location Upper switch backon the Tioga Pass Road ~~ca~~  
about 6 mi. w. of Lee ViningType Area. Sr. Mimus, PodSelaginella, ChielanthesSoil Rocky cliff, in protected  
areas under the rocks

Elevation 8400 - 8500 South

Remarks In metamorphic  
lime rock ledges

Collector J. S. Reveal

NE 1/4 Sec 15, T1N, R25E

No. 481

Date 6/30/63

Species

*Mimulus* sp

Location

Same as 480

Type Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

Jim + Jack Reveal

No.	Date
Species	
Location	
Type Assoc. Sp.	
Soil	
Elevation	
Remarks	
Collector	

No. \_\_\_\_\_ Date \_\_\_\_\_

Species \_\_\_\_\_

Location \_\_\_\_\_

Type-Asso. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector \_\_\_\_\_

No. 482 Date 6/30/63

Species C. neilanthes fœi T. Mopre

Location Same as 480

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Remarks \_\_\_\_\_

Collector Turn + Jack R

No. 483 Date 6/30/63

Species *Selaginella watsoni*  
Underw.

Location 480

Type Assoc. Sp.

Soil

Elevation Exposure

South

Remarks

Collector

Jim & Jack R

No. 484 Date 6/30/63

Species Poa Nevadensis  
secunda (a)  
fendleri var. (b)

Location Same as 480

Type Area Sp.

Soil

Elevation \_\_\_\_\_ ft

Remarks

Collector Jm + Jack Rivers

Mono Co. Calif.

No. 485 Date 6/30/63Species GiliaLocation along the Tioga Road \*  
near the first switch-back,  
1/4 mi. E. of Big Bend Camp GroundType Assoc. Sp. Artemisia + Erigeron -  
BromusSoil rocky soil - metamorphic  
lime; granite till.Elevation 8000 Exposure S.

Remarks

Collector: J + J. Reveal\* 1/4 mi E. of 2nd Switch back  
center of Sec 14, T1N, R25E,

Mons G. Coley

No. 486 Date 6/30/63Species CryptanthaLocation Troy Rd, above 2ndSwitchback - on side of  
Moraine (Same as 485)Tree Assoc. Sp. Sagebrush - Bromus  
testaceusSoil glacial alluvialElevation \_\_\_\_\_ Exposure South

Remarks \_\_\_\_\_

Collector Jim & Jack Reveal

No. 487 Date 6/30/63

Species Bromus carinatus.

Location Same as 485

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Remarks Very common grass

Collector D + J R

No. 484 Date 6/30/63

Species Senecio

SENECIO CANUS

Hook.

Location Same as #485

Type/Spec. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Common.

Collector L. S. J. Reveal

m.B.

Mono Co. Calif.

No. 489

Date 7/3/63

Species *Montezuma*

Location North Crater area

South of Hwy 120 - just inside  
N.E. Bdry - Sec 30, T1N, R27E.

Type Assoc. Sp. Sage - Betterbrush

Soil Pumice

Elevation 6880 Exposure North.

Remarks NOT very common  
in Mono Basin.

Collector: Shreve

Mono Co. Calif. C

No. 490 Date 7/4/63Species CryptanthaLocation Big Sand flat - West  
end at Crooked Mdw Rd.Type Assoc. Sp. Artemisia cana var  
Bolanderi - CareySoil Pumice (alberdi basin)Elevation 7850 Exposure NERemarks Very tiny annualCollector J. R. HowellAT. Corner Sec. 8-9-16-17 - T15,  
R. 28 E.

491-498 in next book!

CHB

Mono Co. Calif -

Shroy

No. 499 Date 7/6/63

Species *Eriogonum spergulinum*

A. Gray var. *reddingianum* (M.E. Jones)

J. T. Howell

Location 1 1/2 mi. N. of Copper Mt.,  
and N. of LUNDY Canyon.

NE 1/4 Sec. 3, T2N, R25E

Time Assoc. Sp. Artemisia - Poa

Soil silty alluvium

Elevation 8700 Exposure SE

Remarks Sec. 3 T2N R25E

Collector J. R. & David Mason

On the high benchland at  
the head of, and north, of  
the canyon cutting across  
Sec. 2.

Black Can C.H. 6/16-163 A + NF Selby  
Bl. Can Rd

Ptr - fls fading; seed setting

Spiny thorn in FF

OHV - Preboot to boot

Stipa comata - HE to FF

Soil <sup>No.</sup> - dry on top <sup>Data</sup>

Cvi - Species full leaf

S-CURVE

Ptr in full bloom

Location Leptodactylon - beginning

to flower

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector \_\_\_\_\_



④ 6 July 1963  
to  
2 Sept '63

Book 4

~~500-859~~

500-622

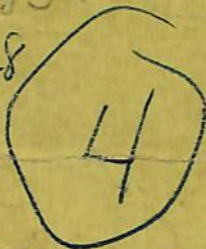
623-859

~~491-1498~~

# 500 to 859

6 July 1963

to  
2 Sept 1963



Empire Wire-Glo

19¢

NO. W905 END OPENING  
NO. W906 SIDE OPENING

A PRODUCT OF SHARON-MERCURY

1242 KIFER ROAD SUNNYVALE, CALIFORNIA

It lost please  
Return to

Jack & Rose  
U.S. Forest Service

Lee Vining  
CALIF.

No. 500 Date 7/6/63

Species Astragalus

Location Same as 499

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J. R. + David Mason

Collector

JR + DM

Remarks

Quite abundant

Elevation

Exposure

Soil Stereocaulon  
forming small sharp points

Tree-Assoc. Sp.

Location

Forest on 499

Species

Louisia

No.

501

Date

7/6/63

No.

502

Date

7/6/63

Species

*Lesquerella*

Location

Same as 512

Type Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

Jack Ruel &  
David Mason

Mono Co. Calif. - M.B.

No. 503 Date 7/6/63

Species Allium

Location 1 1/2 mi N. of Copper Mt  
near center Sec 3, T2N,  
R25E. - on the high bench

Type-Assoc. Sp. Sage-gross

Soil Stoney alluvial

Elevation 8600 Exposure S.E.

Remarks In the sagebrush

Collector JR + DIM

No. 504 Date 7/6/63

Species ~~Agoseris~~ Crepis

Location Same as 503

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks In the sagebrush  
openings.

Collector JR + DM

No. 505 Date 7/6/63

Species Poa

Location Same as 503

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks fibrous roots -  
bunch grass

Collector JR + DM

No. 506 Date 7/6/63

Genus Epilobium

Location Same as 503

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Ex. no. \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR + DCU

No. 507 Date 7/6/63

Species Mimulus (Yellow)

Location Same as 503

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR + DM

No.

508

Date

7/6/63

Species

*Mimulus (red)*

Location

Same as 503

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

JR + DM

Mono Co. Calif

in  
MB

No. 509 Date 7/6/63

Species ~~Ha~~ Gilia  
sinuata Dougl.

Location 1 1/2 mi NE of Copper  
Mtn. = along Deep Rd. Canyon  
in a draw + moist

Type-Assec. Sp. Artemisia - Poa

Soil Stoney alluvium

Elevation 7600 Exposure SE

Remarks Cent sec 2 T2N  
R25E

Collector J.R. David Mason

★

10

No.

540

7/6/63

Species

Chaenactis

Chaenactis douglasii (Hook.)

H. & A. var. rubricaulis (Rydb.) Ferris

Location

Same as 509

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

JR + DCN.

No.

517

Date

7/6/63

Species

*Phacelia*

Location

Same as 509

Type-Assoc. Sp.

Soil

-

Elevation

Exposure

Remarks

Collector

JR + DM.

Mono Co. Calif \* 6 NR

No. 491 Date 7/4/63

Species

Erigeron compositus  
Pursh

Location Big Sand Flat

Same as 490

Type-Assoc. Sp. Art. Lupinus

Mimulus

Soil sandy - pumice

Elevation \_\_\_\_\_ Exposure S

Remarks \_\_\_\_\_

Collector JR

No. 492 Date 7/4/63

Species Penstemon

Location Same as 490

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Collector J. R. ...

No. 493 Date 7/9/63

Species Poa

Location Same as 490

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Parental \_\_\_\_\_

Collector SP

No.

494

Date

7/4/63

Species

Carex

Location

Same as 490

Type-Assoc. Sp.

Soil

Elevation

Exposure

Collector

Mono Co. Calif

nr3

No. 495 Date 7/4/63

Species Calyptridium

Location Head of Dry Cr.  
near Crooked Md.

SW Cor Sec 25, T15, R28E.

Type-Assoc. Sp. Dwarf Chrysolhammus

in almost bare pumice  
slopes above stream.

Soil pumice

Elevation 8800 Exposure South.

Remarks very small plants.

Collector Jack Rineal

Mono Co. Calif

MB

No. 496 Date 7/9/63

Species *Ribes* w/ pinkish  
wh. fls;

Location Dry Creek w. of  
Sagehen Flat - NE 1/4 Sec  
11, T15, R28E.

Type-Assoc. Sp. Jeffrey Pine &  
Big Sagebrush.

Soil Pumice + alluvial  
over Bishop Tuff.

Elevation 8400 Exposure NE

Remarks Rather common

Collector Jack L. Ruvacal

No.

497

Date

7/4/63

Species

Rumex

Valeriana  
occidentalis (Heller)

Location

Same as 496

Type-Assoc. Sp.

with the Sage

Soil

Elevation

Exposure

Remarks

Rather common  
In sagebrush flats.

Collector

Jed C. Runkel

Moose Co. Calif.

No. 498 Date 7/4/63Species CryptanthaLocation NW of Sycamore Alder  
on NE 1/4 of Sec. 11, T. 15, R. 28E.Side canyon to Dry CreekType-Assoc. Sp. Jeffrey Pine -  
Big Sagebrush.Soil Pumice over Bishop  
TuffElevation 8400 Exposure SWRemarks Not too common.Collector Jack Ruess

Mono Co., Calif. - M13.

No. 512 Date 7/7/63

Species *Scrophularia*

Location Copper Mt. 1 1/2 N.E.  
in the canyon - Center Sec  
2, T2N, R25E - 7500'

Type-Assoc. Sp. Sedge-grass-  
weeds.

Soil Stoney alluvial

Elevation 7500' Exposure SE

Remarks 36" tall - several stems

Collector J + J R

No. 513 Date 7/7/63

Species Penstemon

Location Same 512

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J + L. R.

No. 514 Date 7/7/63

Species Linum lewisii Pursh.

LINUM lewisii

PURSH var lewisii

Location Same 512

2011

Type-Assoc. Sp.

Soil

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks

Collector J+JR.

No. 515 Date 7/7/63

Species Mezozellia albicaulis

\_\_\_\_\_

\_\_\_\_\_

Location Same 512

\_\_\_\_\_

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Remarks Many stemmed annual

Collector J + J R.

\_\_\_\_\_

Moscow Co. Oregon

MB

No.

516

Date

7/7/63

Species

ERIASTRUM

Eriastrum sparsiflorum  
(Eastw.) Mosson

Location

Same 512

var.

Wilcoxii (A. Nels) Cronq.

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Common annual.

Collector

J & R

det Jim LR

No. 517 Date 7/7/63

Species Hibernaria

Location Along the stream  
same area as above.

# 512

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector Leon + Jacki Ruvzal

No. 518 Date 7/7/63

Species *Phacelia*

Location Same as 512

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector

J + J. Reveal

(7)

No. 519 Date 7/7/63

Species White Composit

Layia glandulosa  
(Hook) Hook & Arv.

Location Same as 512

Type-Assoc. Sp.

Soil

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks

Collector

J. + J. Riney

No. 520 Date 7/7/63

Species Galium

Location Seminole 512

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J + J. Ravenel

Monroe Co, Calif

m 13

No. 521

Date 7/17/63

Species *Lesquerella*

Location NE 1/4 Sec 11, T2N,  
R25E, in the copper mine  
canyon NE of Copper Mt.

Type-Assec. Sp. Sage-Mt. Mahogany  
-weeds

Soil Metamorphic limestone  
rock in canyon bottom.

Elevation 7850 Exposure E.

Remarks Collections  $\pm$  200'  
S. of lower mine tunnel

Collector Jan + J. R. Ruml

★ (7)

No. 322 Date 7/7/63

Species Eriophyllum lanatum  
(Pursh.) Forbes, var  
monocensis (Rydb.) Jeps.

Location Same as 521  
2011

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector R. P. T.

No. 523 Date 7/7/63

Species L. thosperma

Location Same as 521

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J & R

No. 524 Date 7/7/63

Species Arenaria

Location Same as 521

Type-Assec. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J & J R.

No. 525 Date 7/7/63

Species Streptanthus

Location Same as 421

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J. S. R.

See *P. micrantha* in *Todeschini*.

526 Date 7/7/63

Legume - 3 lvs, flat

blue fls; glandular; sticky

odor; globose pod, hairy, seed

Location Pole Line Rd, SE 1/4

Sec 13, T3N, R27E, - roadside

+ scattered in dune sand.

TRIO. Assoc. Sp. - *Atriplex*, *Gnaphalium*

weed, rabbitbrush.

Soil Deep pumice

Elevation 6500 Exposure South

Collected only in

this locality

Collected by J. R. R. R.

Similar to *Psoralea lanceolata*

(Rush.) ssp. *scabra* but has

blue fls instead of white

Moore Co -

No. 527 Date 7/8/63

Species Elymus sp.

Location Horse Mds (Lower)  
SE 1/4 Sec 20, T1N, R26E.

Type-Assoc. Sp. Meadow - willow  
+ grass

Soil deep glacial  
alluvial

Elevation 7450 <sup>7350</sup> Exposure East

Remarks has rootstocks

Collector J + A. Reveal

200  
260  
360

No. 528 Date 7/8/63

Species Polygonum

COLLECTOR

EXAMINER

Location Same as 527

291

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

COLLECTOR

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Not very common here.

Collector J + G. Ravenel

No. 529

7/8/63

Species

*Alopecurus*

Location

Same 527

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

J. A. Reveal

No. 530

Date

9/8/63

Species

Bromus

Location

Same 527

Type Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

J + A. Ravenel

No. 531 Date 7/8/63

Species Stipa

Location Ridge top south of  
Upper horse M & W - NW 1/4  
Sec 29, T1N, R26E,

Type-Assoc. Sp. Artemisia - grass  
- Jeffrey Pine nearby.

Soil Rocky ridgetop -  
Gneiss - limestone.

Elevation 7900 Exposure Ridge  
top

Remarks Exposed, dry,

Collector J. G. Reveal

No. 532

Date 7/8/63

Species *Poa?*

Location Same 531

Type-Assoc. Sp.

Soil

Elevation Exposure

Remarks *Red stems - growing  
in exposed rocky soil*

Collector *J. & G. Russell*

No. 533 Date 7/8/63

Species Hordeum

Location Same 531

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J + A. Reveal

534 7/8/63  
Nicotiana (annual)  
*Nicotiana attenuata.*

Torr.

Location 2 mi So. of Lee Vining  
+ 1/4 mi W. on Horse  
Mdw Road,

Type-Assoc. Sp. Sagebrush -  
Bitterbrush.

Soil Deep alluvial

Elevation 7100 Exposure East

Remarks Growing roadside  
in the sand

Collector J + A. R. Kneal

Det. J. M. R.

No. 535 only 7/8/63

Species Bromus - (rootstocks)

Location Lee Vining R.S.

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks narrow spikelets -  
wide leaves

Collector J + G Riney

INYO Co.

No. 536 Date 7/9/63

Species Eriogonum vidularius

(collected for ~~herbarium~~  
flower specimens)

Location Sherwin Grade  
about 2 mi So. of N.F.  
Boundary

Type-Assoc. Sp. Atriplex

Soil deep alluvial (stoney  
+ sandy) over Bishop Tuff

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J. R. Howell

536A

E. baileyi var

baileyi

No. 537 Date 7/11/63

Species Rumex.

Location Lee Vining R.S.

Type-Assoc. Sp. Weeds

Soil dry soil - "disturbed  
land"

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Has rootstocks

Single stems - 12"-16"

Collector J. Reveal

No. 538 Date 7/11/63

Species Ranunculus

GRUIN macrophyllum  
Willd.

Location Lee Vining

Type-Assoc. Sp. Meadow:

Poa, Salix

Soil deep, moist

Elevation \_\_\_\_\_ E. 2000

Remarks Perennial from heavy  
roots - Stems tall, erect.

Collector Russell

No. 539

Date 7/12/63

Species Lemna tr.

Location Mono Sub Station  
Spring - W. side Mono  
Lake.

Type Assoc. Sp. Cottonwood - Willow

Soil water 2-3" deep

Elevation

Exposure

East

Barrett's

Collector

J. E. J. Reveal

No. 540 Date 7/12

Species Juncus

Location Same as 539

Type-Assoc. Sp. \_\_\_\_\_

Soil wet (mud) edge of  
spring pond.

Elevation \_\_\_\_\_

Remarks Has rhizomes.

Collector J. J. Reveal

No.

541

Date

7/13/63

Species

*Calyptridium*

Location

Upper Coyote Sprs

Type Assoc. Sp.

Soil

Elevation

7200

Exposure

South

Remarks

Collector

Mono Co -

MB

No. 541 Date 7/13/63

Species Calyptridium  
roseum

Location top of divide -

Bridgeport Canyon - SW  
Corner Sec 4, T3N, R26 East.

Type-Assoc. Sp. Artemisia nova -  
Poa,

Soil Thin on basalt - very  
rocky -

Elevation 7650 Exposure South

Remarks 1/2" high.

Collector J + J. Reveal

No. 542 Date 7/13/63

Species Poa sp.

Location Same as 541

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J + J Ruesch

No. 543 Date 7/13/63

Species *Festuca?*

Location Upper Coyote spring.

Type-Assoc. Sp. *Artemisia tridentata* +  
*A. nova*; *Poa*.

Soil alluvial from basalt  
hills - near spring - <sup>Great</sup> Day

Elevation 7354 Exposure South

Remarks NOT common

Collector S + J Ruel

W. More Co

AMB

No. 544 Date 7/13/63

Species Composite - Helianthus  
tuba

Location foot of Conway grade  
along Hwy 395 - W. side of  
road - NW Sect, T2N, 25E.

Type-Asso. Sp. Carex meadow

Soil deep moist alluvial

Elevation 6800 Exposure East

Remarks not common

Collector S + D Reveal

No. 545

Date

7/13/63

Species *Phlebotomus protractus*

Location *Area 00 544*

Type-Assoc. Sp. *found from along*

*road -*

Soil *deep, fine sandy loam*

Elevation 6940

Exposure

*East*

Remarks *Not common in here*

*beam*

Collector *W & J Russell*

No. 546 Date 7/14/63

Species Eriogonum ampullaceum  
J. T. Howell. ampullaceum

Location Old-Bertron - at big  
Pond on lower end of valley  
Sec 35, T15, R31E.

Type-Assoc. Sp. Big Rabbitbrush -  
Sull grass

Soil Sandy pumice &  
alluvial

Elevation 5600 Exposure South

Remarks

Collector Jim + Jack Reveal

No. 547 Date 7/19/63

Species *Ephedra nevadense*

Location Same as 546

Type-Assoc. Sp. \_\_\_\_\_

Soil In the shrub association

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J + J Reveal

★

(10)

No. 548 Date 7/14/67

Species Composite close to  
~~Lysichiton~~ Stephanomeria  
exigua NuttLocation Hillside 1 mi W. of  
Old Benton on Hwy 120  
Sec 10, T2S, R31E.Type-Assoc. Sp. Chrysothamnus -  
big sage-weeds.

Soil deep pumice

Elevation 6000 Exposure South

Remarks Lt. blue to white  
ray fls; all ligulate

Collector S + J Reveal

No. 549

Date 7/17/63

Species *Penstemon*

*claviformis* Torr & Fernald

ssp. *lanceifolius* (Heller) Ravenel

Location same as 5268

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Remarks yellow fls.

Collector

S & J Ravenel

No. 550 Date 7/14/63

Species *Oenothera*.

Location Same as 548

Type-Assoc. Sp.

Soil

Elevation Exposure

Remarks white fls - 10-12" high  
many flower heads -

Collector J + J Powell

No. 551 Date 7/14/63

Species Eriogonum

~~Same as 548~~  
Location ~~Same~~ at old Pumice  
mine 1 mi. W. of old  
Benton on Hwy 120 Sec 10 <sup>T25</sup> R31E

Type-Assoc. Sp. Rabbit brush -

big sage-wind

Soil deep pumice

Elevation 6400 Exposure South

Remarks new species

Collector J + J Reveal

No. 552      Date 7/14/63

Species Compositae - annual

Location Same 551

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Common - 8" - 14"

branched - yellow fls - <sup>few</sup> small

Collector J & J Reveal

No. 553

Date 7/14/63

Species Eriogonum aridularium

Cov. det JLR

Location Top of summit between  
Old Benton & Blade Lake  
Sec 9-T2S, R31 E,

Type-Assoc. Sp. Sage, rabbitbrush,  
Ephedra, etc.

Soil decomposed granite

Elevation 6600 Exposure S

Remarks

Collector

J + J Reveal

No. 554 Date 7/14/63

Species *Scrophularia*

Location same 553

Type Assoc. Sp.

Soil

Elevation Exposure

Remarks In the granite  
crevices.

Collector J & J R

No. 555

Date 7/14/63

Species ~~To~~ *Herhelia*

Location Same as 554

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Remarks from quite overcast

Collector

J. S. Ruedel

No. 556

Date 7/14/63

Species *Stipa* sp. - hybrid?

Location Same as 554

Type Assoc. Sp.

Soil granite sand

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Tall (3') bunch  
grass. Short awns.

Collector S & J Reveal

No. 557 Date 7/14/63

Species *Lewisia*

Sec 11, T1S, R29E.

Location Upper MEADOW, ABOVE THE  
Dexter Cr.

CAN, ALONG THE STREAM.

Talbot R. in Dexter CR.

Type-Assoc. Sp. CAREX, Stellaria,

Juncus, Epilobium

Soil Moist

Elevation 6800' Exposure flat

Remarks

Collector J. E. J. Reveal

No. 558

Date 7/14/63

Species

~~Eriogonum ampullaceum~~  
Eriogonum ampullaceum

J. T. Howell.

Location

Yard, ~~to~~ near the  
Cabin - Talbot Ranch

Same location as 557

Type-Assoc. Sp.

Carex douglasii

Soil

pumice

Elevation \_\_\_\_\_

Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector

J. T. Howell

No. 559

Date 7/14/63

Species *Calytridium*

Locality

Location Big Sand flat on  
Hwy 120 near E. end.  
NE 1/4 Sec 9-T15, R28E,

Type Assoc. sp. *Lupinus duranii*

Soil deep Puerice sand

Elevation 7875 Exposure flat

Remarks growing among  
*L. duranii*

Collector J + J Reveal

No.

560

Date

7/14/1963

Species

*Astragalus*

*Johannes-Braunii*

Location

Same as 559

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

J + J Reveal

No. 561 Date 7/17/63

Species *A. bronica* - annual  
- white fls; upright habit.

Location Big Sand flat  
Some low bench on N.W.  
Corner - SW 1/4 Sec. 9, T 15, R 28E

Type-Assoc. Sp. Sagebrush - Grayo-  
thymus - Bitterbrush

Soil Deep permiar - in  
broad openings in Sagebrush

Elevation 7850 Exposure South

Remarks Found here only -  
apparently not common.

Collector Jack Ruel

No. 562 Date 7/17/63

Species Sitanion-perennial  
w/ very pubescent sheaths  
soft blades.

Location 1/2 mi N. of Big Sand  
flat in the timber.

NW 1/4 Sec 9-715, R28 E.

Type-Assoc. Sp. Jeffrey Pine -  
Stipa Comata, Slope # 564,  
Oxyropis hymenoides

Soil loaf permic

Elevation 7900 Exposure flat

Remarks Associated with #  
563, 564, 565.

Collector Jack Rensel

No. 563 Date 7/17/63

Species Sitanion, perennial

w/ much less pubescence than  
# 562 - stiffer, narrower  
leaves.

Location Same as 562

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Assoc. with 562, 564,  
565

Collector Jack Reveal

No. 564 Date 7/17/63

Species Stipa sp. apparently  
infected with a rust  
or smut.

Location Same as 562 + 563

forms # 562 + 563 repre-  
sented. Perennial.

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Unusual appearance -  
Only a few specimens on 1/2 lb.

Collector Lock & Reveal

No. 565 Date 7/17/63

Species Stipa

Location Same as 562 -

Type-Assoc. Sp.

Soil

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Common. Associated  
w/ Silphium + Dryzopsis

Collector Jack L. Reveal

No. 566 Date 7/14/63

Species Carex

Location Crooked Meadow

Type-Assoc. Sp. Wet meadow

Carex - luncus

Soil Wet

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Common

Collector Shreve

No. 567 Date 7/19/63

Species *Eriogonum annuum*

*Eriogonum esmeraldense*  
S. Wats var. *esmeraldense*.

Location Dexter Cr. Trail  
Canyon W. of Adobe Ranch

Type-Assoc. Sp. *Artemisia*  
*tridentata*, bitterbrush.

Soil Pumice

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR.

#(6)

No. 568 Date 7/19

Species *Hulsea*

HULSEA VESTITA A. Gray

VAR. VESTITA

Location Dexter Co. Same 567

Type-Assoc. Sp.

Soil

Elevation Exposure

Remarks

Collector

No. 589 Date 7/20

Species Eriogonum  
pusillum Torr. & Gray

Location Deep Wells Rd above  
Adobe V. - N.F. Boundary  
cat.

Type-Assoc. Sp. PINYON-Sage.

Soil Deep sandy valley  
alluvial from basalt &  
Phylolite. 7000 Elevation South Exposure

Remarks

Collector JK

No. ~~56570~~ Date 7/20/63

Species *Oenothera*

Location Same 569

Type-Assoc. Sp.

Soil

Elevation Exposure

Remarks Tall - 24" w/ yellow  
fls on long spike

Collector LR

No. ~~571~~ 571 Date 7/20/63

Species Grass like w/ white terminal  
fls -

Location same 569

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector *JK*

~~A~~

(8)

No. 572 Date 7/20/63

Species Aster (Perennial)  
Erigeron breweri A. Gray  
var. porphyreticus (M. E. Jones)

Location Same 569 Crong.

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Purple fls (rays)  
yell. center

Collector SR

No. 573 Date 7/20/63

Species Cactus

Location Same 569

Type-Assoc. Sp.

Soil

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Yell fl; green Pestel; long  
spiny flat stems

Collector JK

No. 574 Date 7/20/63

Species Halekia

Location Lawson R.S

Type-Assoc. Sp. Sage-Camp-  
Meadow

Soil \_\_\_\_\_

Elevation 7200 Exposure Flat.

Remarks In the meadow

Collector JK

★ (8)

No. 575 Date 7/20/63

Species Composite (Eriogonum?)

Arnica chamissonis

Less. ssp. foliosa (Nutt.) McQuire

Location Same as 574

Type-Assoc. Sp. Aspen - willow -

Carex. (Streamside)

Soil Glacial Alluvial

Elevation 7200 Exposure flat

Remarks

Collector Jack L. Raveil

\* (6)

No. 576 Date 7/21/63

Species Composite

*Eriophyllum lanatum* (Pursh) Torr

var. *monense* (Rydb.) Jeps.

Location 1/2 mi. S. of Big  
Sund flat

Type-Assoc. Sp. *Laffeyine* -

Sage - Openings in sage

Soil Pumice over

Tuff

Elevation 7900 Exposure

Remarks fall. fls - rays

Low annual - scape

Collector

SR

\* ⑨

No. 2577 Date 7/21/63

Species ~~Choenatis~~

*Choenatis douglasii* (Hook.)

H. & A. var. *rubricaulis* (Rydb.) Ferris

Location Same 576

Type-Assoc. Sp. \_\_\_\_\_

Soil Openings in safe  
corrosy - Pumice,

Elevation 7900 Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector R

No. 579 Date 7/21/63

Species Mimulus

Location Head of Dry Creek

Type-Assoc. Sp. Sedge - Carex -  
Wet meadow

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Yell. fl. w/ red  
spots

Collector HR

No. 580 Date 7/21/63

Species Orthocarpus

Location Same 579

Type-Assoc. Sp. Sagebrush-Sage

(A. cana bolanderii)

Soil Dry edge above spring

Elevation 8800 Exposure

Remarks

Collector JR.

No. 581

Date 7/21/63

Species *Linanthus*

Location above wet meadow.

Type-Assoc. Sp. Lodgepole pine  
& Sagebrush

Soil prairie & alluvial

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector

SR

No.

582

Date

7/21/63

Species

*Agropyron*

Location

"Wet meadow"  
ON Glass Mt. Ridge.

(Oexter Cr. Drainage)

Type-Assoc. Sp.

Lodgepole

rimmed dry meadow

Soil

Elevation

Exposure

Remarks

No rhizomes

Collector

JR.

No. 583 Date 7/21/63

Species Carex

Location Upper Dry Creek  
S. of Mono Lake.

Type-Assoc. Sp. Carex - Tenax  
Wet Meadow

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR

Monroe Co. \* ⑨

No. 184 Date 7/21/63

Species *Lithosperma?*

Antennaria ROSEA

Greene.

Location House Creek Md  
2 mi So. of Sagers Hen Md

Type Assoc. Sp. Dry Md - Pca  
*Carex*

Soil

Elevation

Exposure

Remarks

Collector

JM.

Morris Co. Calif.

No. 585 Date 7/28/63

Species ~~Lepidosiphon~~ Vetch-like

Location Cinnabar Can.

Cinnabar Canyon,  
N. of Mormon Mdw.

Type-Assoc. Sp. artemisia nova

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Cespitose - mats 9"-16"  
deep tap root.

Collector JR - Dove

No. 586 Date 7/28/63

Species Erigeron

Location Big Ahuli

Type-Assoc. Sp.

Soil

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks white ray fls - yell.  
centres; small.

Collector JR.

No. 587 Date 7/28/63

Species Castilleja

Location Bis alhali

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks "green" castilleja

Collector JR + DM.

Mono Co.

No. 588 Date 7/28/63

Species *Lewisia*

Location Big alkali flat  
ca. 5 mi N. of Mormon  
Meadow.

Type-Assoc. Sp. Sagebrush.

Soil Thin volcanics

Elevation \_\_\_\_\_ Exposure Ridge top

Remarks Large white fls.

Collector J.E.

No. 589 Date 7/31/63

Species Clover sp.

Location Mill Cr.

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks white round head

Only plant found

Collector JR

C No.

590

Date

7/31/63

Species

White sweet clover

Location

Mells Creek

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

JK

No.

596

Date

7/31/63

Species

Coffeeberry?

Location

Mell Cr., N.W. Cor.  
of Mono Lake

Type-Assoc. Sp. Cottonwood-willow  
(stream side)

Soil

Elevation

Exposure

Remarks

Collector

No.

592

Date

7/31/63

Species

*Stinging nettle*

FIG. 100

Location

Mill Cr. N.W.

200

side of Mono Lake

Type-Assoc. Sp.

~~Aspe~~ Cottonwood -  
willow - (Streamside)

Soil

Glacial alluvial &  
beach aggregates.

Elevation

Exposure

S.E.

Remarks

Collector

JR

No. 593 Date 7/31/63

Species *Castilleja* sp.

Location Maloney's - Monte Vista Spring

Type-Assoc. Sp. Meadow

Soil

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Single stem;  
seed fls.

Collector Shreve

No. 594 Date 7/31/63

Species Sporobolus?

Location Maloney Place -  
Monterey Vista Spring

Type-Assec. Sp. Meadow

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector Skinner

A 8

Shaw

No. 595 Date 8/3/63

Species ~~Aplopappus~~ sp

*Senecio spartioides*

Torr. & Gray.

Location Little Sand flat

Type Assoc. Sp. Burren

Soil Deep pumice

Elevation \_\_\_\_\_ Exposure N

Remarks Entire loc: shrubby, round bush - 12" - 18"

Collector J.R.

*Chrysothamnus parryi* (Gray) Greene  
ssp. *cooperi* (Greene) H. & C. \* (9)

No. 596 Date 8/3/63

Species ~~Aplopappus~~

Macrorhema Gray

Location Little Sand flat

Type-Assoc. Sp. Barely

Soil deep pumice

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Prostrate shrub

yellow disk fls, no rays

Collector HR

No. 597 Date 8/3/63

Species Solidago

Location Lee Vining R.S.

Wd w at old station

Type-Assoc. Sp. grass - willow

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks 24" <sup>fall</sup> - 36" - root stocks

- red bulbs" - yell. fls.

Collector Shreve

No. 598      Date 8/4/63

Species Perennial w/ small blue  
fls.

Location Maloney Place.  
(Mono Vista Springs)

Type-Assoc. Sp. Streamside

Soil Lake bed & beach  
aggregates

Elevation \_\_\_\_\_ Exposure S.

Remarks Has rootstocks -  
36" tall - many stems

Collector Shreve

No.

599

Date

8/4/63

Species

Clover.

Location

Maloney place

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

J. R. R. R.

No.

600

date

8/4/63

Species

*Polypogon*

Location

Maloney place

Type-Assoc. Sp.

streamside

Soil

Elevation

Exposure

Remarks

Collector

SR

Mono Co.

No. 601 Date 2/4/63

Species TETRADYMIA

~~SOMOSA~~ A. Gray

glabrata

Location NW side Mono Lake  
in the sand dunes

N. of De Chamber

Type-Assoc. Sp. Abrus -

Case - greasewood

Soil Saline sediments  
and pumice

Elevation \_\_\_\_\_ Exposure FLAT

Remarks Large shrubs -  
4' - 5' tall + broad.

Collector JR

NEW TO MONO CO.

No. 602 Date 8/4/63  
Species Weed - (close to lava)

Location Lee V. R.S

Type-Assoc. Sp. Sage - Aspen -  
Willow

Soil Hard yard

Elevation 7200 Exposure E

Remarks

Collector Shovel

No. 603 Date 8/4/63

Species Dooryard weed

Location L.V.R.S.

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR

Collector

A. Rinehart

Remarks

Remains - protists

Elevation

Exposure

Soil

Type-Assoc. Sp.

grass - grass

Location

J.V.R.S.

Species

*Phacelium*

No.

604

Date

8/4/63

MB.

No. 605 Date 8/8/63

Species *Mentzelia*

Location Pole Line Rd - Edge  
of Juniper type  $\pm$  15 mi  
E. of Hwy 395 - Mono Lake

Type-Assoc. Sp. *Atriplex*

- Greasewood

Soil Pumice & old  
lake sands.

Elevation \_\_\_\_\_ Exposure S.

Remarks Large - 78 - "24" -  
white stems, sparse lvs.

Collector J. Brewer

No. 606      May 8/8/63

Species Annual weed - yell fls.

unequal - superior  
ovary; curled stamens <sup>anthers</sup>

Location Roadside waste  
(ditch) - Pole line  
Road - N. of Mono hole

Type-Assoc. Sp. *Atriplex* -

Soil Pumice - beach  
sands.

Elevation \_\_\_\_\_ Exposure S<sub>o</sub>

Remarks Abundant: round  
plants, ± decumbent; many stems

Collector S. Reveal

No.

607

Date

8/9/63

Species

*Ceanothus*

Location

moraine N. of

Grant Lake

Type-Assoc. Sp.

Sagebrush

Soil

Elevation

Exposure

S

Remarks

growing in sheltered

cove. Sagebrush-

Collector

J. R. Howell

No. 608 Date 8/9/63

Species Scrophulariaceae

Location L.V.R.S. meadow  
at old Sta.

Type-Assoc. Sp. Grass, Aspen

Soil

Elevation 7200 Exposure

Remarks Spike fls; light reddish  
blue fls.

Collector

Shreve

No. 610

8/9/63

Species Perennial Grass - 1 seeded

HOUSING

ELEVATION

Location P.V.R.S - small meadow  
at old station

Type-Assec. Sp.

Soil

Elevation Exposure

Remarks

Collector

John R. Rued

No. 611 Date 8/9/63

Species ~~Carex~~ Juncus  
longistylis Torr.

Location FVPS - old  
station pasture.

Type-Assoc. Sp. Aspen, Willow-  
grass. Streamside.

Soil Wet, stoney, silt.

Elevation 7200 Exposure Creek  
bottom.

Remarks multiple levels

Collector Sheward

No. 612 Date Aug. 10.

Species Castilleja coplandii

Location 1/4 Mi. N of The Tioga  
Pass, in the meadow E of  
highway 120

Type-Assoc. Sp. Carex, Junco.

Soil wet granitic loam

Elevation \_\_\_\_\_ Exposure E

Remarks \_\_\_\_\_

Collector J & J R.

No. 613 Date Aug 10.

Species Perunculus

Location Same as 612

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector \_\_\_\_\_

No. 614 Date 8/10/63

Species Lewisia ~~pygmaea~~

Location Same as 612

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector L + J R

No. 615

Date 8/10/63

Species Poa

Location Same as 612.

Type-Assec. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J & M

No. 616 Date 8/10/69

Species Eriogonum

Eriogonum esmeraldense

S. Wats. var. esmeraldense.

Location Dry Creek - W. of  
Sagehen mtn.

Type-Assoc. Sp. Jeffrey Pine -

Sagebrush; Sitka spruce, Stipa

Soil Pumice

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J & R

Mono Co.

No. 617 Date 8/10/63

Species Lupinus

Location Dry Cr. 1 mi South of  
Big Sand flat; SOUTH  
of Mono Lake.

Type-Assoc. S. Jeffrey Pine -  
Sage.

Soil Pumice

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Perennial - 12"-16"  
tall. not common here.

Collector JTLR

★

(5)

Mono Co.

No. 618 ... 8/11/63

Species ~~Erigeron~~ sp.

*Haplopappos racemosus*  
(NUTT.) Torr. ssp. glomeratus (NUTT.)

HALL.

Location Pole Line Rd. - ~~at Springs~~

- north side of Mono Lake

at Wafford Springs

Type-Assoc. Sp. Carex - (wet)

Soil Moist, sub-irrigated.

Elevation \_\_\_\_\_ Exposure Flat

Remarks abundant. Taprooted  
perennial. yell. fls.

Collector J. R. Reveal

No. 619

Date

8/11/63

Species

~~Larrea~~ - *Scirpus*

Location

Same 618

Type-Assec. Sp.

Soil

Elevation

Exposure

Remarks

Course; capitula - 3 +  
florets in terminal hd.

Collector

Shenual

No. 620 Date 8/11/63

Species *Compositae*

*Stephanandra tenuifolia*  
(Torr.) Hall

Location Sand dune W. of  
Deep Well -

Type-Assoc. Sp. *Achyro-*

Soil *Pumice sand*

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks

Collector *M. S. P.*

*See below*

~~Gray~~ (Torr.) Hall

*Stephanomeria tenuifolia*

No. #620 Date \_\_\_\_\_

Species All ray fls - 5 per flower  
- 5 toothed. Pinkish blue  
w/ darker stripes.

Location Phyllaria not  
indicated 1/2 long as  
corolla. 5 number.

Type Assoc. Sp. - plant perennial  
scapose; 5" tall.

Soil Ray fls has a disk  
like fl. enclosed.

Elevation Only specimen

Remarks found.

Collector H. Raven

No. 621

Date

8/11/63

Species

*Atriplex*

Location

1/2 mi W. of Deep  
Well - in sand dunes

Type-Assoc. Sp.

*Atriplex* -  
*Tetradymia*.

Soil

Elevation

Exposure

Remarks

Collector

SR

No. 622 Date 8/11/63

Species *Erotia lanata*

Location Dry wash E. of Alameda  
Well - 1/4 Mi W. of old  
Aurora - BENTON Rd.

Type-Assoc. Sp. *Atriplex* - *Erotia* -  
*Sarcobatus*.

Soil Old beach gravels +  
volcanic alluvial

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector Joel C. Russell

(Jumped 200 numbers)

No. 823 Date 8/13/63

Species Composite - low cottony  
annual -

Location P. V. R. S. - meadow  
Dry spots.

Type-Assoc. Sp. Carex - Juncus

Soil \_\_\_\_\_

Elevation 7200 Exposure flat

Remarks Very cottony heads -  
minute florets - rayless.

Collector J. Ravenel

Mono Co.

No. 824 Date 8/15/63

Species Sticky annual weed  
w/ spikes resembling *Loa*

Location Mono Lake Substation  
about 3 mi. n. of Lee

Vining.

Type-Assoc. Sp. *Burn* (weeds)

(formerly *Artemisia tridentata*)

Soil Alluvial & beach  
cobble.

Elevation 6850' Exposure East

Remarks Strong smelling -  
Several stems - 20" high

Collector JR.

\* (2)

No. 825 Date 8/15/63

Species *Lygodium*  
spinosa Nutt

Location Same 824

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks In flower - pink (pale)

Collector \_\_\_\_\_

Reveal

Water \_\_\_\_\_

No. 526 Date 8/15/63

Species *Clusia -*

*Trifolium hybridum* L.

Location ~~Some 524 Springs~~

at Mans L. Auktarium

Type-Assoc. Sp. *Sp. -*

*Calliandra*

Soil deep alluvial

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks *Whitely! creeping*

(Some sp. on 590?)

Collector

*J. Rose*

No.

~~827~~ 827

Date

8/15/63

Species

*Polygagan*

Location

Mono L. Sub. Spring

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

JR

No. 828 Date 8/15/63

Species *Prunifera*

Location Same 827

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Tall shrub w/ small  
yell. fls.

Collector JR.

No. 829 Date 8/18/63

Species Grindella

Location Old Sylvester R.  
1 mi. NW Mono Inn.

Type-Assoc. Sp. Carex - Dry  
Meadow

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J + J Rueden

Nevada MB

No. 830

date 8/18/63

Species *Chrysothamnus*  
*paniculatus* (Gray) Hall.

Location Low hills N. of Alkali  
(Aurora) Valley - 8 mi N.  
of Pole Line Rd. on Aurora  
road.  
Type-Assoc. Sp. *Artemisia tridentata*

Soil Rock volcanic alluvial

Elevation \_\_\_\_\_ Exposure South.

Remarks Only collection in  
Mono Basin

Collector Jim & Jack R.

No. 831

Date 8/19/63

Species

~~Eriogonum angustifolium~~  
Eriogonum baileyi S. WATS

var. brachanthum

(cov.) Jeps.

Location Same as 830

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Collector

d + d R

No. 832 Date 8/18/67  
Species E. microdium det.

Location Same as 830

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J & J R

(No Specimen for

No. 833 Date 8/18/63

Species Clover

Location Spring - Aurora Rd  
N. of Alkali

Type-Assoc. Sp. Carex Melur  
(dry)

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J + J R

No. 839 Date 8/27/63

Species Gumweed-annual

Lessingia germanorum

Cham. var Lemmonii

Location Pumice outcrop (old mine) 1 on SW Old Benton

Type-Assoc. Sp. Dalea, Atriplex

- Sagebrush

Soil Pumice

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J. R. R. R.

No. 835 Date 8/24/63

Species Demosthera sp.

Location 1 mi. W. of Deep Wells  
Mono Basin

Type-Assoc. Sp. Opening in shrubs  
Sage - Rabbit brush

Soil Pumice + Lake  
sediments

Elevation 6850 Exposure flat

Remarks Tall, erect annual  
cream colored fls.

Collector J & R Ravenel

Esmerald Co. Nev.

No. 836 Date 8/24/63

Species *Eriogonum*

*baileyi* S. WATS var.

*brachyanthrum* (Cov.) Jeps.

Location 1 mi. So. of Basalt

& Hwy-16 on Nev. State

10 - sandy roadside.

Type-Assoc. Sp. Sage-chryso-

thamnis, *Atriplex*

Soil gravelly alluvial

(volcanic)

Elevation 6100 Exposure flat

Remarks

Collector J + J Ruml

Mono Basin

No. 837 Date 8/24/63

Species Chenopodium

Location Deep Wells Rd.  
on so. edge of Mono Basin

Type-Assoc. Sp. Big sage-

Chrysothamnus and flowers

Soil Tuffs (Lake Russell  
Beach) + pumice

Elevation 7200 Exposure flat

Remarks Common everywhere

Collector J + R

Mono Basin

No. 838 Date 8/29/63

Species Eriogonum nodosum

Small ssp. monoense

S. Stokes.

Location Deep Wells Road

Sec 14, T 3N, R 21E.

Type-Assoc. Sp. Big Sage + Chaparral

Thamnos virensiflorus.

Soil deep Pumice

Elevation 6750 Exposure flat

Remarks Common in this

place. Pubescent form.

Collector J+J.R.

A (4)

No. 839 Date 8/29/63

Species *Chrysothamnus*  
*viscidiflorus* (Hook.) Nutt.

Ssp. *viscidiflorus*

Location 1 mi. So. of Deep  
Well - SE corner of  
Mono Basin

Type-Assoc. Sp. Sagebrush

Soil Deep pumice

Elevation 7200 Exposure Flat

Remarks This is the common  
rabbit brush.

Collector J. J. R.

No. 840 Date 8/25/63

Species Umbelliferae

Location Mono Sub Sta Spring

Type-Assoc. Sp. Spring area with willows, aspen, carex,

Soil Wet - boggy

Elevation 6850' Exposure E.

Remarks One plant here. white fls; flattened fruit

Collector Jack R.

No.

841

Date

8/25<sup>25</sup>/~~24~~/63

Species

Common mint

Location

Same 840

Type-Assec. Sp.

Soil

dry - near spring

Elevation

Exposure

Remarks

Collector

MR.

No. 842 No. 8/25/63

Species Thistle

Location Same ~~839~~ 840

Type-Assoc. Sp. \_\_\_\_\_

Soil dry soil -

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Milky Juice - 36"-48" tall

Inconspicuous fls.

Collector J.R.

No. 843 Date 8/25/63

Species Mullen

Location Same ~~839~~ 840

Type-Assoc. Sp. \_\_\_\_\_

Soil Dry.

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Very common

Collector J.R.

No. 844      Date 8/25/63

Species Unknown Polemoniaceae

Location Same #39 & 40

Type-Assoc. Sp. \_\_\_\_\_

Soil wet-springside

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Tall slender w/  
oppressed lvs. white to  
pink fls.

Collector HK

\* (7)

No. 845 Date 8/25/63

Species *Solidago*  
*Missouriensis* Nutt

Location Maloney Blue  
(Mono Vista Spring)

Type-Assoc. Sp. *Trachypogon*, *Carex*,  
*Poa*

Soil OLD BEACH & lake  
bed alluvial.

Elevation \_\_\_\_\_ Exposure flat (So)

Remarks \_\_\_\_\_

Collector J.R.

# (3)

No. 846 Date 8/25/63

Species *Chrysanthemum*

~~viridiflorum~~ nauseosum

(Pall.) Britt. ssp. consimilis

Location Maloney place  
(Greene) H. & C.

Type-Assoc. Sp. meadows

Soil

Elevation Exposure

Remarks

Collector JRC

No. 847 Date 8/25/63

Species Agropyron (rugosum)  
dasystachum (Hook.)  
Vasey.

Location Meadows on N. side  
Mono Lake, NE Mono  
Inn.

Type-Assoc. Sp. Meadow w/  
cottonwoods

Soil Old beach deposits

Elevation \_\_\_\_\_ Exposure South

Remarks Growing under big  
cottonwoods.

Collector J. Ravenel

No. 848 Date 8/25/63

Species Elymus w/ rugosus  
triticoides Buckl.

Location Same 847

Type-Assoc. Sp. Grass Alder - under  
large cottonwoods.

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks growing with Agropyron  
# 847. High, rank,

Collector WR

Shade forms w/ widely  
spaced spikelets.

#6

No. 849 Date 8/27/63

Species *Artemisia tridentata*

*Rothrockii* (A. Gray) H. & C.  
Nutt ssp

Location Valley So. of  
Parker Creek's south  
moraine

Type-Asoc. Sp. Aspen - *A. tri-*  
*dentata vaseyana*

Soil Alluvial-stoney  
moraine

Elevation 8800 Exposure East

Remarks Begins here - becomes  
pure stand higher

Collector J Runkel

Center Sec 30, T15, R26E

No.

850

Date

8/27/63

Species

Haplopus  
cuneatus Gray

Location

Same as 849.

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Scatter shrubs  
in Mount. Big Sage. (few)

Collector

J.R.

No. 851 Date 8/27/63

Species Castilleja? annual  
w/ yellow fls. on Ortho  
capus.

Location Maritime depression  
meadow, W. of Grant L.  
E. center Sec. 29, 15, 26 E

Type-Assoc. Sp. Dry Mdw. Poa  
Elymus,

Soil Maritime - dense  
hard silt basin

Elevation 8000 Exposure E. E.

Remarks found only here.  
few plants.

Collector J.R.

★ (5)

No. 852. Date 8/31/63

Species ~~Erigeron~~

SENECIO spartioides  
T. & G.

Location 1/2 mi. W. of Big Sand Flat

Type-Assoc. Sp. Jeffrey Pine-

A. tr., Ptr

Soil Pumice

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Annual stems from  
perennial rootstocks,

Collector JK.

2-8-ray fls yellow.

No. 853 Date 9/1/63

Species Lupinus

Location Ridge top So. of  
Sagehen Mdw

Type-Assoc. Sp. Aspen-sagebrush

Soil Rumico

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks White fls. (Browsed  
by deer)

Collector JR

\* (4)

No. 854      no. 9/10/63

Species *Chrysothamnus*

~~multiflorus ssp. puberulus~~

*nauseosus* (Pall.) Britt.

Location Parker Cr. - above

Cain Ranch.

ssp. *consimilis* (Greene) H. & C

Type-Assoc. Sp. Sage-meadow

Soil \_\_\_\_\_

Elevation \_\_\_\_\_

Exposure

S-E

Remarks \_\_\_\_\_

Collector

J. R. Howell

9/1

No. 855 Date 9/2/63

Species Alouko wood

Location Posher Creek intake  
above Cain Ranch.

Type-Assoc. Sp. Sage - grass -  
wildflower

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR

No. 856

Date

9/1/63

Species

*Elymus*

Location

Zoni S. of  
Mono Mills

Type-Assoc. Sp.

Jeffrey Pine -  
Sage - bitterbrush

Soil

Pumice

Elevation

Exposure

Remarks

Relic island -  
uncommon in timber

Collector

J. R. Howell

No. 857 Date 9/2/63

Species Lupinus

Location Ridge W. of Johnny  
Gardner

Type-Assoc. Sp. Sagebrush.

Soil Pinnac

Elevation \_\_\_\_\_ Exposure NE

Remarks Grows in pine stands  
in sandy "snow" basins

Collector JR.

No. 858 Date 9/2/63

Species Croton

Location Crooked Mtns.

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Very tiny - wh. rays  
hard to find.

Collector JR

Same sp? seen 9/1/ above

Digitized by the Hunt Institute for Botanical Documentation

Caine R. - found 1 plant

No. \_\_\_\_\_ Date \_\_\_\_\_

Species \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Location \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Type-Assoc. Sp. \_\_\_\_\_  
\_\_\_\_\_

Soil \_\_\_\_\_  
\_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_  
\_\_\_\_\_

Collector \_\_\_\_\_

No. \_\_\_\_\_ Date \_\_\_\_\_

Species \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Location \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Type-Assoc. Sp. \_\_\_\_\_  
\_\_\_\_\_

Soil \_\_\_\_\_  
\_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Collector \_\_\_\_\_

No.

859

Date

9/2/63

Species

~~Centaurea~~ Erigeron

Location

Crossed road

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Blue to wh. fls  
w/ yel. centers

Collector

J. R. Howell

860-886 #5

9.2.63

to

9.14.63

5

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★ (4)

No. 860 Date 9/2/63

Species Chrysothamnus

viscidiflorus ssp.

viscidiflorus  
parviflorus (A. N. S. P.) Hall & Clem.

Location flats - 2 mi. So. of  
Lee Vining

Type-Assoc. Sp. Sagebrush

Soil glacial alluvial  
pumice

Elevation 6900 Exposure flat

Remarks

Collector JK

Collector

Dr

Remarks

Elevation

Exposure

Soil

Type-Assoc. Sp.

Vining. (same as 860)

Location 5 mi. S. of Lee

~~viscidiflorus~~

Species Chrysothamnus

No. 861 Date 9/2/63

③

Chrysothamnus viscidiflorus (Hook.) Nutt. ssp. viscidiflorus

*Chrysothamnus nauseosus* (Pall)  
Britt. ssp. *consimilis* (Greene) H. & C.

★ (4)

No. 862 Date 9/2/63

Species *Chrysothamnus*

~~*perryi* ssp. *vulcanicus*  
(Greene) Hall. & Clem.~~

Location 3 mi So. Lees Ferry  
(Same as 860)

Type-Assoc. Sp.

Soil

Elevation Exposure

Remarks

Collector

J.R.

Edge of Muns Basin  
can be considered  
part of M.L. basin as  
the drainage here is  
into a small basin  
on Deadman Summit.

This plant not seen  
elsewhere here - not  
located yet to the  
N. or E. in similar  
type.

Collector Shaw

Remarks

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Soil \_\_\_\_\_

Stage \_\_\_\_\_

Type-Assoc. Sp. different pair -

Plant -

at junction of hardly sp.

Location along grass flow road

bloomer

Species theplapapus

No. 863 Date 9/6/63

*Eriogonum baileyi*  
S. Wats, var *brachyanthum*  
(Cov.) Jeps.

No. 864 Date 9/7/63

Species *Eriogonum californicum*  
~~*californicum*~~

Location 10 mi N. of Independence, Owens Valley

Type-Assoc. Sp. Sagebrush -  
Greasewood.

Soil valley alluvial

Elevation 3700 Exposure flat

Remarks

Collector J + J. Reveal

Low globose  
composite very  
strong smell. Iny  
yell. fls; rayless -  
6 fls; Lvs small  
very fuzzy.

Psathyrotes \* (4)  
ramosissima  
(Torr.) A. Gray.

Engl.

No. 865 Date 9/7/63

Species Psathyrotes  
ramosissima ? (Arnica)

Location about 5 m SE of  
Pine Pine along Death  
Valley road. ~~See 2~~ See 2  
T165, R36E.

Type-Assoc. Sp. Salt desert

Soil alkali - v. of Owens  
lake

Elevation 3600 Exposure flat

Remarks very common  
seeded

Collector JR + JR

*Eriogonum deflexum*  
Torr. var. *brachypodium*  
(Torr. & Gray) Muaz.

No. 866 Date 9/7/63  
~~diff. from~~  
Species *Eriogonum*  
~~strawberry~~  
Location 14  
at SE of Lone Pine  
ca Death V. hwy. Sec. 23, T16S  
R37 E. (N.W. of Keokuk.)  
Type-Assoc. Sp. Salt desert - high  
edge of Owens Lake  
Soil Sand & pebbles  
Elevation 3600 Exposure flat  
Remarks  
Collector J & R.

4 petals above,  
one sided; long  
stamens; "pea like  
leaves"

No. 867

Date

9/7/69

Species

Cleome?

Location

Same as 866

Type-Assoc. Sp.

Soil

Elevation

Exposure

Remarks

Yell. fls. - c

Collector

J + J R

Composite - with tiny  
slender fls resembling  
shepherdia. Obovate  
rays, seldom. Thin  
branches, intricate  
24" high - woody  
base.

6

\* (6)

Gutierrezia sarothrae  
Brit. & Rusby.

No. 868 Date 9/7/63

Species Gutierrezia sarothrae

Location East of Sumner Lake

on death V. Hwy near Junction  
Junction Sec. 28, T18S, R40E

Type-Assec. Sp. Saltbush

Soil Sandy-stony volcanic

Elevation 4800 Exposure flat

Remarks More abundant  
eastward

Collector J+J.B.

*Gutierrezia serotina*

~~robusta~~ ssp.

Sec 6, T 26N, R 3E.

San Bern B.M.

Death v NM

No. 869 Date 8/7/63

Species *Eriogonum*

*virgatum* S. Stokes,  
(*E. deflexum* Torr ssp v.)

Location Black Mtn. - Ryan  
Wash - 1 mi N. Ryan - June

~~S. 31, T185, R41E~~

Type-Assoc. Sp. Gravel wash

Soil rocky - alkaline

Elevation 2200 Exposure W

Remarks

Collector J. S. R.

Ms. v. Hand

Sec. 15, RZE, TZTN  
SBB+M.

No. 870

Date 9/9

Species *E. hoffmannii*  
*robustum*

Location Furnace Creek Wash  
8 miles E of the  
Park Headquarters

Type Assoc. Sp. Salt desert

Soil gravelly rock,

Elevation 1400 Exposure N

Remarks

Collector L. E. S. R.

Eriogonum saxatile  
S. WATS.

No. 871

Date 9/8/63

~~Eriogonum saxatile~~  
saxatile

S. Wats.

Location Thunderbolt Camp in  
- Wilderness Camp, Deale, V.

Sec. 35, T19S, R41E MD.

Type-Assoc. Sp. Polygon - Lycop.

Soil Rocky - limestone.

Rock - limestone.

Elevation 7500 Exposure NE

Remarks from shale slope S.  
of Camp.

Collector J. R. Kennel -

*Eriogonum microthecum*  
CUTT (Topotype of E. ov. var  
Panicum sp. (Stems))

No. 870 a + b Date 9/8/63

Sp. *E. deltoideum*

Sp. *E. hoffmannii*

Leaving Wildrose Sp.

Type Assoc. Sp. *Atriplex*

Soil rocky

Elevation 4000 Exposure S

Remarks Topotype of *E. h.*

Collector \_\_\_\_\_

Eriogonum microthecum  
(NUTT. (Topotype of E. m. var.  
panamintense S. Stokes))

No. 872 Date 7/9/63

Species E. microthecum

Location Same 871

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J+JH

No. 873

Date 9/8/63

Species *Eriogonum* (common)  
*E. eremicola*

Location T. Hornedho Camp

~~Delaware Canyon~~ - same as 871

Type-Assoc. Sp. *Purshia*

Soil Rocky lime shale

Elevation 7500

Exposure

Remarks Shale slope S. of Camp.

Collector J+JL

No. 874

Date 9/18/63

Species *Chrysomela nana*  
~~sp.~~ *metastensis*

Location Wildrose Can. - ~~dry~~ at  
Charcoal kiln. Sec 27,  
T19S, R45E MD

Type-Assoc. Sp. Sage - Remyon

Soil Rocky - meter limestone

Elevation 6500 Exposure NE

Remarks

Collector J & J R.

No. 875 Date 9/7/63

Species Chrysothamnus viscidiflorus  
?

Location 5 mi E. of Ranger Station  
W. Adkins Camp. Sec 30,  
T 19 S, R 4 S E, MD

Type-Assoc. Sp. Sagebrush -

Soil Meta Limes tone

Elevation 5000 Exposure Flat

Remarks not common. Mainly  
along road berms (mostly)

Collector J + J R.

*Eriogonum rixfordii*  
S. Stokes (= *E. deflexum* Torr  
ssp. r. MUNZ)

No. ~~878~~ 876 Date 9/8/63

Species *Eriogonum*  
*Rixfordii*

Location Wildrose Springs - 1/2 mi  
west in canyon bottom.

Sec 21 T. 19S R. 44E

Type-Assoc. Sp. ~~Salt desert~~

Low desert.

Soil Lime rock aggregate

Elevation 4000 Exposure N

Remarks

Collector J & J R

Low, fine leaved  
plant - in a  
dry, exposed  
site.

In canyon south  
of this place,  
*C. parryi* grows  
to a height of 60"  
-over. 40".

Usual *Chrysothamnus*  
with the sagebrush  
is *C. vicidiflorus*

Acletoche Valley

No. 877 Date 9/9/63

Species *Chrysothamnus*  
*parryi*

Location DEXTER BENCH  
SEC. 17-15, R29E., near  
south line of sec.

Type-Assoc. Sp. Sage - rabbitbrush

Soil Bishop Tuff outcrop

Elevation 7700 Exposure East

Remarks Small dwarfed

*C. parryi*

Collector I. Reveal

Plants to  
7 ft high, considerably  
higher than usual.

No. 878 Date 9/9/63

Species *Chrysothamnus*  
*parrisi*

Location N. end of Mono  
Craters along Hwy 120  
1 mi. E. of N.F. bdry

Type-Assoc. Sp. Bitterbrush -  
*Chrysothamnus*

Soil *Pumice*

Elevation 6700 Exposure N.

Remarks *Common plant*  
*in this site.*

Collector *J. R. Howell*

This collection keys  
(in Jepson) to *C. nauseosus*  
var. mohavensis, or  
between it and  
var consimilis. Lvs  
dry early; involucre  
not pubescent.

Shrubs - 24"-36"  
bright yellow green  
aromatic.

This is the common  
*C.* in Adobe Valley

No. 880 Date 9/14/63

Species Chrysothamnus  
nauseosus

Location Adobe Valley - west  
end of old Lower Adobe  
Ranch

Type-Assoc. Sp. Robb Ranch

Soil Sandy valley alluvial  
- slight alkaline

Elevation 6700 Exposure flat

Remarks

Collector J. R. Reveal

Coll. similar to  
# 881 but with  
pubescent phyllaries.

No. 882 Date 9/14/63

Species Chrysothamnus

nauseosus var.

speciosus, Hall

Location Deepdells wash into  
Alto Valley

Type-Assoc. Sp. Sage, Rabbitbrush,

penstemon

Soil

Sandy-stoney-  
(Volcanic)

Elevation 6400 Exposure S.

Remarks

Collector

Shubs 10"-16" high  
Round, compact,  
much dead material  
inside; many thin  
stems. Associated  
with *C. vicediflorus*  
var. *pumilis*,

No. 884 Date 9/14/63

Species Chrysothamnus  
vicidiflorus var

Location Mono Lake Basin -

E. of Lake - 1 mi So.  
of Alameda Well

Type-Assoc. Sp. Sage-rabbit-  
brush.

Soil old Lake bed &  
perme

Elevation \_\_\_\_\_ Exposure flat

Remarks \_\_\_\_\_

Collector J.R.

Leaves glabrous  
Stems, grey green,  
compact pubescence

A (5)

*Chrysothamnus nauseosus*

(Pall.) Britt. ssp. *consimilis*  
(Greene) H. & C.

No. 885 Date 9/14/63

Species *Chrysothamnus*  
*nauseosus* var.

Location Mono Basin - North  
of Lake near Boelie  
turnoff.

Type-Assoc. Sp. Sage-sagebrush-  
brush - streptel

Soil Pinnac - old  
loose sediments

Elevation \_\_\_\_\_ Exposure flat

Remarks This is the common  
variety, here

Collector Shreve

Apparently the  
same species  
grows in the Pinyon  
Juniper - Sage in  
Adobe hills, east  
& So. of Mono Lake

Blooms close  
during morning,  
evening & night

---

All # thru #886

shipped to U.S.N.M.

No. 886

Date 9/14/63

Species *Aster* ?

Location La Verne Rd.

Type-Assoc. Sp. Open-grass-sage-

Soil glacial alluvium

Elevation 7200 Exposure S.

Remarks

Collector J+JR

Collector

Remarks

Elevation \_\_\_\_\_  
Exposure \_\_\_\_\_

Soil \_\_\_\_\_

Type-Assoc. Sp. \_\_\_\_\_

Location \_\_\_\_\_

Species \_\_\_\_\_

No. \_\_\_\_\_  
Date \_\_\_\_\_

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9.22.63

27 Oct 63

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Mono Basium

No. 887 Date 9/22/63

Species *Chrysothamnus*  
*viridiflorus*.

Location Side hill N. of lower  
Horse Mdw-

Type-Assoc. Sp. Sage-Pinyon

Soil Murrain

Elevation 7600 Exposure S.

Remarks Shrubs - 24"-36"  
high - rounded.

Collector *J. R. Howell*

Mono Basin

No. 888 Date 9/22/63

Species Chrysothamnus

~~penicillatus?~~

Location Same as 887

Type Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR

These specimens  $\pm$   
typical of middle  
elevation species  
on good sites. The  
form appears inter-  
mediate between  
ssp tridentatus +  
ssp vaseyana.

★

⑤

Mona Basin

No. 884 Date 9/22/63

Series Artemisiatridentata ~~ssp~~ NUTT. ssp.tridentata

Location Same as 887

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Round topped, 36-48"  
" "

Collector JRC

No. \_\_\_\_\_ Date \_\_\_\_\_

Species \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Location \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Type-Assoc. Sp. \_\_\_\_\_  
\_\_\_\_\_

Soil \_\_\_\_\_  
\_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_  
\_\_\_\_\_

Collector \_\_\_\_\_

Calif. - Inyo Co.

No. 890 Date 9/28/63

*Chrysothamnus*  
*nauyasus* ssp.

*Leiosp. erinus* (Gray) Hall + Clem

Location: Westward Pass road

E. of Big Pine in Canyon

just inside Inyo NF boundary

Type Assoc. Sp. *Atriplex*

Soil Meta Limestone alluvial

Elevation <sup>about</sup> 5000 Exposure W+S.

Remarks Growing in the wash.

Shrub - 24"-36" high.

Collector R. Reveal

Green stems w/  
conspicuous gray  
leaf scars w/ bracts.

4-5 slender fls; bracts  
resembling *nauseosus*

Shrub appears to be  
a cross between

*nauseosus* + *teretifolius*

*C. teretifolius* common  
nearby.

Aks glabrous

Calif. - Inyo Co

No. 891 Date 9/28/63

Species Cheumatanthus

nauseosus ssp

leiospermus (Gray)

Location Same as 890 Hall, + the

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Shrub 14" high. - 24-36  
wide.

Collector J.R.

Tough, leafless  
tangle of "skeleton"  
branches, intricate,  
intertwined w/  
much dead (last  
season) twigs.

Bright green like  
Ephedra. Purplish  
white fls on  
ends of twigs in  
long clusters

Eriogonum heermanni U

Dor. + H. lq. ssp heermannii  
S. STOKES

Calz - bays (det JLR)

No. 893 Date 9/28/63

Species Leafless "thorn bush" Eriogonum?

Location Same as 890

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Round bush - intricate

branches - 30" high + 40" wide

Collector JRenaud

Irregular, herbaceous  
 $\pm 12''$ , sparse;  
flowering stems  
numerous, slender,  
spiculate. Bark  
gray.

#6.

*Artemisia arbuscula* Nutt.  
var. *nova* (A. Nels) Cronq.

Colby - Inyo

No. 894 Date 9/28/63

Species *Artemisia nova*?

Location Same as 890

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR.

Large shrub  
up to 5' tall;  
heads heavy often  
causing top to  
bend over + droop.  
fls cream

Lepidospartum

latisquamum S. Wats

Colo. - Inyo \* (4)

No. 895 Date 9/28/63

Species ~~Trifolium~~

Location Westgard Pass Inyo -  
2 mi W. of Pass  
- bottom of wash.

Type-Assoc. Sp. Atriplex, Sage

Soil Meta sedimentary  
(cline) alluvial

Elevation \_\_\_\_\_ Exposure W

Remarks rather common

Collector HL

Common cheyothamnus  
of the juniper-sage  
type. Now lvs are  
drying - most shrubs  
past prime flowering.

fls appear white  
or cream. Yellow  
tips on phyllaries.

Phyllaries 12-15,  
blunt, in fairly  
well defined vertical  
rows. Lowest w/ spine.  
Herbage rough  
puberulent

Calif - Inyo

No. 896 Date 7/29/63

Species Chrysothamnus

vicid. florvus ssp

puberulus (D.C. Eat.) Hall + Clew

Location Westgard Pass -

near junct. w/ White  
Mt's road.

Type-Assoc. Sp. Sage - chrysothamn  
-Juniper

Soil Stoney alluvial (limestone)

Elevation \_\_\_\_\_ Exposure flat

Remarks fls white to yellowish

Shrubs - 12" - 16" high.

Collector J Ravel

Round shrub - 2' - 3'.

Bright green fine branches,  
dense, profuse tiny

fls: yell. w/ 2 rays  
+ 1 disk fl. resinous.

fls less than  $\frac{3}{16}$ "

Calif - Inyo

No. 897 Date 9/28/63

Species Gutierrezia lucida  
Greene

Location Westgard Pass Rd - 4 mi  
E. of Pass in the  
canyon.

Type-Assoc. Sp. Sage, chrysothamnus,  
shreplex

Soil Metasedimentary (lime)  
canyon bottom

Elevation \_\_\_\_\_ Exposure E

Remarks Not common (not  
abundant)

Collector JR

Somewhat resinous; light  
green twigs. Small  
fls; yellow. Phyllaries  
w/ prominent spiny  
tip, green. Leaves  
fine, round, curved  
about  $\frac{1}{2}$ - $\frac{3}{4}$ " long, and  
few on stem.

Shrub compact,  
twigs brittle &  
slender, gray.

Calif - Mono Co.

No. 898 Date 9/28/63

Species *Chrysothamnus*

*viciniflorus* - ssp?

*pumilus* (NUTT.) Hall & Clark

Location Nev-CAL. line - 4 mi

E. of Oasis in Fish Lake

Valley SW Sec 37, 55, 37E

Type-Assoc. Sp. - *Erotra* - bud sage

Soil Sandy-stoney but

firm alluvial

Elevation 5200 Exposure flat

Remarks Plants 10"-14", few

lvs

Collector J. R. Howell

annual w/ small  
fls - blue rays, yell.  
disk. Sticky to touch.  
plan - 6"-10" round disk  
- rays  $\pm 8$ , disk  $\pm 20$

Calypso - Monroe Co

No. 899 Date 9/28/63

Species Aster group, Annual

Location Same as 898

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure flat

Remarks Interspecific in  
*Erotia lanata*.

Collector JK

Small heads w/  
prominent mid rib.

Shrub - 24-35" high.

Stems brittle. gray-  
green.

Nevada - Esmeralda

No. 900 Date 9/29/63

Species Chrysothamnus

nauseosus ssp

hololeucus (Gray) Hall & Com

Location 3 mi. E. of the

Lida Summit, - Center Sec 3

T. 6S, R. 40E.

Type-Assoc. Sp. Chrysothamnus

(P. n. - 1011)

Soil Stoney meta sedimentary

alluvial

Elevation 6550 Exposure flat

Remarks Abundant in washes.

Collector J. R. Howell

This specimen  
has spiraled  
phyllaries; large  
shrub - 48" high,  
60" wide; large heads

Nevelev - Esmeraldas Co

No. 901 Date 9/29/63

Species Chrysothamnus

~~versicolor~~ ssp

hololeucum (Gray) Hult & Allen

Location Same as 900

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J. Ravenel

Neocla - Esmeralda Co

(902)

*Chrysothamnus*  
*veridiflorus* ssp

Dry wash along Nev.  
 Hwy 3 - 4 mi E. of  
 Lida. Low rock.

Shrub - 8"-12" high.  
*Phyllaries mucronate*  
tipped. Similar  
to # 898. *Phyllaries*  
tip slightly hooked.

JR & V&L

Numerous bright  
yellow fls; plant  
very woolly -  
perennial? from  
roots.

Plant  $\pm$  12" high  
18" wide, round,  
dense vegetation

Only 2 plants  
seen - these on  
roadside.

Baileya pleniradiata

Harv. & Gray. \* (4)

Nuevo - Esmeralda Co.

No. 903 Date 9/29/63

Species Composite

Location 3 mi. W. of Lida  
Junction on Nev. 3.

Type-Assoc. Sp. Atriplex -  
chrysothamnus

Soil dense alluvial  
from volcanics

Elevation ± 4700 Exposure Flat

Remarks

Collector Shreve

904a

E. CERNUUM

NUTT. var. CERNUUM

No. 904 Date 9/29/63

Species Eriogonum  
watsonii

Location 43 mi W. of Austin -  
1 mi E. of Carroll Station  
on Hwy 50

Type-Assoc. Sp. Roadside  
waste -

Soil gravelly

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Rare in this  
locality

Collector A. Reveal

E. VIMINEUM Dougl.  
var. ?

No. 905 Date 9/29/63

Species Eriogonum var sp.

Location Same as 904 -  
associated with  
904

Type-Assoc. Sp. Sage-chryso  
themnus

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector Arlene Ravenel

No. 906 Date 9/29/63

Species Eriogonum  
hookerii S. Wats.

Location 5 mi W. of  
Eureka, Nev. on  
Highway 50

Type-Assoc. Sp. Roadside,  
Sage-sabbatbrush

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector Arlene Reveal

Det. Jim R.

Nevada - Eureka Co.

No. 907 Date 9/29/63

Species Eriogonum

CERNUUM NUTT. VAR.

viminale (S. STOKES) J. L. REVEL  
IN ED. ~~FRID~~

Location 30 mi West of  
Eureka Nev. on  
Highway 50

Type-Assoc. Sp. Roadside

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector Arline Reveal

a woody, leafy  
shrub with  
heads of yellow  
fls resembling  
chrysanthemum  
Lvs. dark green,  
roundish and  
curled.

Shrub 6"-8"  
high, 6"-36"  
broad, low  
& somewhat  
matted. Flowering  
stems erect. Twigs  
brittle.

\* ⑨

shag

908 -

10/4/63

Haplorhappus cuneatus  
A. GRAY.

Tioga Pass - (See  
Verning Canyon.  
N. side above Big  
Bend. Camp Gnd @  
± 8700 ft. On nets  
limestone ledge.  
assoc. with  
Chrysothamnus  
~~purpureus~~, nauseosus  
albidus.

Shaw

Past flowering, for  
most plants.

Tall (36") plants w/  
rootstock. fls - ray  
bluish-pinkish-white  
Corolla reddish with  
expanded disk fls.

fls on axillary  
branch. 1" - 1 1/4" wide  
Heavy rootstock.  
Style yellow.

Lvs. green,  
willow-like. 4" - 8"  
long - 3/4" wide



(2)

Mono Basin

ohwy

No. 909 Date 10/6/63

Species "Daisy" - Aster group.

Aster foliaceus Lindl

var Parryi (D.C. Eat.) Gray

Location Mono Sub Spring, ±

1 mi N. of Mono Lake P.S.

Type-Assoc. Sp. Aspen - willow -

Soil In boggy ground at  
spring.

Elevation 6450 Exposure E.

Remarks Growing in the  
water

Collector Shreve

Growing by  
rootstocks.  
Apparently, leaves  
les. mostly entire

Artemisia ludoviciana Nutt.  
ssp. ludoviciana

★

(7)

Mono Basin

No. 910 Date 10/6/63

Species Artemisia

Location Same as 908

Type-Assoc. Sp. Edge of meadow  
grass-sage-weeds.

Soil Moist but well  
drained gravelly.

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J.R.

Phyllaris  
very hairy-tomentose  
corolla lobes  
lanceolate.

lvs. green, but  
tomentose

Shrub - 24" - 60"  
high.

Mono Basin

911-

10/6/63

*Chrysothamnus*

*nauseosus* ssp.

*albicaulis*?

N. of Mono Lake on  
the Lake Bench  $2\frac{1}{2}$   
mi E. of Hwy 395 on  
Pole Line Road.  
Sec. 4, 2N, 26E.

6740' - flat.  
Sage-rabbitbrush,

J.R.

*Phyllaries* glabrous,  
strongly keeled

Slightly ~~pub~~ tomentose  
lvs - lvs. green  
- stem green.

*Phyllaries* in  
distinct rows.

No. 912 Date 10/6/63

Species Chrysothamnus  
nauseosus, ssp  
montanus

Location 3 mi. W. of 395  
on Pole Line Sec 4,  
2N, 26E.

Type-Assoc. Sp. Sage-chrysotham-  
us.

Soil Pumice + old  
lake gravel (beaches)

Elevation 6750 Exposure         

Remarks Large shrubs to 5' high  
- straight stems

Collector Shreve

very gray -  
color of lvs  
& twigs.

Twigs pleable

Sec 4, T 2N, R 26E

Mon Basen

No. 913 Date 10/6/63

Species Chenopodium  
parryi (?)

Location Sand dunes north  
of the Chambeau R.  
on Pole Line.

Type-Assoc. Sp. Rabbitbrush -  
atroples

Soil deep windblown  
sand.

Elevation 6650 Exposure Flat

Remarks Shrubs 24-40"  
high, round

Collector J. Reveal

Specimens from  
several shrubs  
 $\pm$  36" - 48" high.

Heads quite  
sticky. Phyllaries  
less attenuate  
& less regularly  
arranged.

mono Basin

No. 914 Date 10/6/63

Species Chrysanthemum  
pernyi (?)

Location Same as 913

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JK

Specimens w/  
brownish glands  
on throat of  
corolla. Viced  
to feel, like #  
914.

Mono Basin

No. 915 Date 10/6/63

Species Chrysothamnus  
parryi

Location Same as 913

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector JR

Plants 24" to  
48" (60") high  
Heads small  
& terminal.

Some (most)  
have glabrous  
phyllaries &  
corollas; some  
large specimens  
are quite  
tomentose

Stems many,  
erect, brittle.

Mono Basin

No. 916 Date 10/6/63

Species Chrysothamnus  
nauseosus

Location Hot spring  
flat 1/2 mi E  
of DeChambeau R

Type-Assoc. Sp. Saltgrass -  
Rabbitbrush

Soil Rather dense old  
lake bed.

Elevation 6450 Exposure flat

Remarks Common species  
on low beaches

Collector Jack Renum

Sec. 2-11, T2N, R26E

★ (9)

Mono Basin

No. 917 Date 10/6/63

Species *Artemisia tridentata*  
ssp tridentata

Location 1/2 M. NW. of De  
Chambeau Ranch,  
Mono Lake Sec 10, T2N  
R26E.

Type-Assoc. Sp. Sagebrush

*A. tridentata tridentata*

Soil Deep beach sands  
& pebbles

Elevation 6560 Exposure flat

Remarks

Collector

J. Reveal

Mono Basin

No. 918 Date 10/6/63

Species Chrysothamnus  
occidentalis

Location 1/2 mi W of  
De Chambeau R  
- Mono Lake

Type-Assoc. Sp. Sagebrush

Soil Same as 917

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector J. R. R.

Plants of Artemisia  
arbuscula scattered  
through Artemisia  
tredentata vaseyana  
(Little). Some  
specimens closely  
resemble A. nova

A. arbuscula foliage  
is more lax, sparsely  
leaved, larger heads,  
more straggly than  
A. nova.

Some shrubs look  
like a hybrid bet.

A. nova + A. arbuscula

# (13)

Nevada - Lyon Co.

No. 919 Date 10/13/63

Species *Artemisia*

*arbuscula* Nutt. var.

*arbuscula*

Location 2 mi W. Double Spring  
East of Gardnerville

Type-Assoc. Sp. *Purshii*-*Sage*

Soil Volcanic alluvial

Elevation \_\_\_\_\_ Exposure N.

Remarks Collection from  
about 1/2 doz shrubs.

Collector J. R. Reveal

Shrubs occur  
in washes +  
roadside ditches  
where there is  
somewhat more  
moisture.

24" - 36" high.

Phyllaries not  
tomentose; somewhat  
viscid to touch.

Nevada - Lyon Co.

No. 920 Date 10/13/63

Species Chrysothamnus

nauseosus ssp

consimilis (Greene) Hull & Clark

Location Lobdell Canyon

10 mi S. of Wellington

Type-Assoc. Sp. Antennaria

nova

Soil alluvial

(volcanic)

Elevation \_\_\_\_\_ Exposure flat

Remarks Dry land form

Collector Shreve

Phyllaries finely  
stipitate glandular  
- but no glands  
on lvs.

Late blooming  
plants, scattered.  
Other = Chrysanthemum  
nud. vicid. flavus  
(typica)

Shrub - very leafy -  
ca 30" high.

Adobe V. - Mono Co.

No. 921 Date 10/18/63

Species Chrysothamnus  
parrisi ssp. vulcanicus.

Location Dexter Burn (1954)  
on S. Side Wet Flk Dexter  
Cr - Adobe Basin

Type-Assoc. Sp. Rabbitbrush -  
grass.

Soil Pumice-derived from  
Bishop Tuff

Elevation 8000 Exposure flat

Remarks Sec 22, T1S, R29E.

Collector J. Reveal

phyllaries  $\pm$  obtuse  
Tomentose, keeled.  
Heads cymose.

Resinous to  
feel. Gland  
not discernable.  
Lvs. tomentose

0.5 - 1 mm wide

~~FF~~ Corolla

lobes lanceolate.

Stigmatic portion  
of style shorter than  
appendages.

Does not fit  
albicaulis because  
of obtuse phyllaries.

Swans V. - Mono Co.

No. 922 Date 10/19/63

Species Chrysothamnus  
nanus ssp (?)

Location Sherwin Grade  
1/4 mi N. of West Bend

Type-Assoc. Sp. Sage -

Soil Thin, pumice derived  
from Bishop Tuff

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Shrubs to 24" high

Collector Shreve

Phyllaries obtuse-  
blunt.  $\pm$  tomentoso  $\pm$   
viscid.

Style appendages  
shorter than stigmatic  
portions

Phyllaries prominently  
keeled.

Herbage gray tomentose

Plants with straight  
erect stems - heads  
small, terminal.

Appearance of many  
small fls. heads.

Inyo Co. Owens V.

No. 923 Date 10/19/63

Species Chrysothamnus

nauseosus Wats.

hololeucos (Gray) H. & G.

Location foot of Sherwin  
Grade -

Type-Assoc. Sp. Rabbitbrush,  
Atriplex, Grayia, etc

Soil Sandy - from  
Bishop tuff

Elevation \_\_\_\_\_ Exposure So.

Remarks Shrubs roundish  
+ 30" high.

Collector J. R. Reveal

Mono L. Basin

No. 924 Date 10/23/63

Species Chrysothamnus  
vicidiflorus

Location NE cor. Mono  
Basin near Deep Wells  
Road

Type-Assoc. Sp. Sagebrush -  
sabbubush.

Soil Deep pumice Cold  
loose shore

Elevation \_\_\_\_\_ Exposure flat

Remarks Late blooming  
shrubs roadside (Moisture)

Collector Shreve

This is the  
gray, very tomentose  
form.

Mono Basin

No. 925 Date 10/23/63

Species Chrysothamnus

parrisi ssp

vulcanicus.

Location 1/4 mi E. of L.V.R.S.

Lee Vining Canyon

Type-Assoc. Sp. Sagebrush.

Soil glacial alluvial

Elevation 7150 Exposure E.

Remarks Shrub round -  
24-30" high.

Collector Keen

This is the  
most common  
form. (Average)  
Some plants  
are much  
greener looking;  
others, like 925,  
much whiter.

No. 926 Date 10/23/63

Species *C. parryi* ssp  
*vulcanicus*

Location Same as 925

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks \_\_\_\_\_

Collector HR

No. 927 Date 10/27/63

Species Chrysothamnus  
parryi

Location Tiogo Pass Rd -  
8800' (Lee Vining

Cen: In the rocks

Type-Assoc. Sp. Sage + various  
shrubs -

Soil granite moraine  
alluvial + rock shdls

Elevation 8800 Exposure S.

Remarks \_\_\_\_\_

Collector Reveal

No. 928 Date 10/27/63

Species fern

Location Same as 927  
in the rock crevices

Type-Assoc. Sp. \_\_\_\_\_

Soil \_\_\_\_\_

Elevation \_\_\_\_\_ Exposure \_\_\_\_\_

Remarks Now dry: collect  
again 1964

Collector H. Ravenel

No. 929 Date 10/27/63

Species Fern (Beecher)

Location Lee Vining Creek  
in aspen thickets - white  
fir - near Big Bend

Type-Assoc. Sp. White fir -  
Aspen

Soil glacial alluvial

Elevation 7500 Exposure flat

Remarks Now dry.

Re-collect 1964