

10554 - 10649

HAND I
NOTES



15¢

31-120

\$ 5.⁰⁰ = REWARD

for return to

Arthur Cronquist
New York Botanical
Garden

Bronx, New York 10458

Twp. 13 S., R. 67 E., S. 25,

10554 - April 5, 1966
Nevada, Clark Co. Rocky,
sandy soil on gentle
southeast slope at
Riverside junction,
10 miles west southwest
of Mesquite. Elevation
1800. Stems flexuous.
Stems and leaves prostrate
or scrambling in low
shrubs (*Ephedra*, *Arabrosia*).
Petals rich lavender to nearly
white, with an orange-brown
basal gland surrounded by
a yellow spot and sur-
mounted by a purple crescent.

Calochortus flexuosus S. Wats.

U. 590

Calochortus aff. *flexuosus* (11)

10555 - April 5, 1966.

Nevada, Clark Co. Gravelly
road-shoulders at River-
side junction, 10 miles
west-southwest of Mes-
quite, Twp. 13S., R. 69E.,
S. 25. Elevation 1800'.
Possibly a true annual
instead of a winter-annual.

Eriogonum insigne S. Wats.
det. James Reveal

Eriogonum (2) ✓

10556 - April 5, 1966

Nevada, Clark Co. Gravelly
clay slopes and gullies
in Paria desert 2 miles
southwest of Glendale.

Twp. 15S., R. 66E., S. 10.

Elevation 1800.

Plants irregularly dis-
tributed but fairly
abundant, male flowers.

Corolla bright lavender-
purple.

Phacelia pulchella Gray
var. *gooddingii* (Brand) J. T. Howell

Phacelia (25) ✓

10557 - April 5, 1966
Nevada, Clark Co.

Gravelly soil in a dry
wash in Larrea desert 2
miles southwest of Glen
Dale. Twp. 15 S., R. 66 E., S. 10
Elevation 1800'

Corolla limb white,
with 2 small purple
spots at the base of
each lobe, the tube
yellowish. Plants
thinly scattered.

Linanthus demissus (Gray)
Greene

Linanthus

(6) ✓

✓

10558 - April 5, 1966
Nevada, Clark Co. Grav-
elly clay soil on
benches in Paria desert
2 miles southwest of
Glendale. Twp. 15S, R. 66E,
S. 10. Elevation 1800.
Plants branched at the
base when well developed,
the branches as large as or
larger than the central
stem, curved ascending
from a prostrate base.
Flowers yellow.
Abundant here.

Lesquerella palmeri Wats.

Lesq. palmeri (35) ✓

10559 April 5, 1966

Nevada, Clark Co.

Clay slopes in Larrea
desert 2 miles southwest
of Glendale. Twp. 15 S.,
R. 66 E., S. 10. Elevation 1800

Petals pale yellowish,
almost white. Only
a few plants seen.

Mentzelia tricuspis Gray

Mentzelia (3) ✓

10560. April 6, 1966

Nevada, Clark Co.

In a broad, gravelly dry
wash overlooking Lake
Meade, 8 miles northeast
of Hoover Dam. Twp. 21S,
R. 64E.

Elevation 1500'.

Flowers bright pink-
purple, with a conspic-
uous yellow spot at
the base of the lower
lip and running down
onto the tube.

Mimulus bigelovii Gray

Mimulus

20 ✓

10561 - April 6, 1966

Arizona, Mohave Co

Brushy, semi-desert slopes
with *Berberis fremontii*,
Ceanothus greggii,
Nolina, and mixed grasses,

15 miles east of Kingman,

Near the corner of Twp. 20 + 21 N,
R. 14 + 15 W.

Elevation about 4500'

Herbage glaucous. Flowers
coral red

Penstemon subulatus Jones

Penstemon (10) ✓

10562 - April 6, 1966

Arizona, Mohave Co.
nearby, semi desert
plains with *Berberis*
frumentaria, *Yucca*,
and *mesquite* growing
15 miles east of Kingman.

at the corner of Twp. 20 + 21 N,
R. 14 + 15 W.

Elevation about 4500'.

Shrubs 1-2 m. tall. Sepals
and petals white.

Perpet: 3.

... this *greggii* Gray

... 500

10563 - April 6, 1966
Arizona, Mohave Co.
With scattered junipers
on gravelly knolls
along the Perry's Wash,
22 miles west of Kingman.
Twp 20 N., R. 14 W., S. 21.
Elevation about 3800.
Shrubs 1-2 m. tall.
Flowers dull lavender

Sophora arizonica Wats.

10563-16 ✓

10564 April 7, 1966

Arizona, Mohave Co.
Same place as 10563.

Flowers bright pink-
mauve, the throat
yellowish as seen from
outside.

Gilia cana (Jones) Heller,
sens. lat.

Gilia cana (Jones) Heller (15)

10525 April 7, 196 -
Same place as 10523
Flowers white or with
faint lavender streaks,
closed in the day-time,
opening in the evening.

Linanthus dichotomus
Benth.

13. *Linanthus* (4) ✓

10566 - April 7, 1966

Arizona, Mohave Co.

Rocky granitic soil.

Savanna - *Fouquieria* com.

community along a ridge
near the Big Sandy River,
a little north of Spring
Wash, 38 miles south-
east of Kingman, Twp.

T. 14 N., R. 13 W., near the
corner of sections 15, 16,
21 and 22. Elevation 2900'

Flowers rich blue, the banner
vein with a bipartite central
yellow spot that is streaked
with rusty red and sur-
mounted or surrounded by white.

Lupinus argenteus Pursh

Lupinus 10 ✓

10567 - April 7, 1966
Same place as 10566.
Disk yellow. Rays
mostly about 13, or
only 8 on smaller plants,
white or faintly
lavender.

Monoptilon bellioides (A. Gray)
Hall

Monoptilon

(5) ✓

10568 - April 1, 1966
Same place as 10566
Disk yellow Rays
bright white, mostly
about 8, or on smaller
plants only 5 or 6.

Eriophyllum lanosum
A. Gray

white *Eriophyllum* 7 ✓

10569 - April 7, 1966

Arizona

Same place as 10566

Stem flexuous, weakly ascending. Petals lavender, with a basal purple spot, the gland covered with red or mixed red and orange hairs, surrounded by an ill-defined yellowish area, and sometimes surmounted by a purple spot.

Calochortus flexuosus
S. Wats.

Calochortus

(5) ✓ ✓

10570 - April 7, 1906
Arizona, Mohave Co.
In light shade of shrubs
on rocky, granitic slopes
in Larrea-Fouquieria -
Cercidium desert
west of Big Sandy River,
a little north of Spring
Wash, 38 miles southeast
of Kingman. Twp. 18N, R. 13W
near the corner of sections
15, 16, 21 and 22. Elevation
7500'. Plants soft,
brittle. Flowers rather
pale blue. Leaves decid.

Phacelia distans Benth.

Phacelia 237 ✓

10571 - April 7, 1966
Arizona, Mohave Co.,
Open, rocky, granitic
west slope in Larrea-
Fouquieria - Cercidium
desert west of Big
Sandy River, a little
north of Spring Wash,
38 miles southeast of
Kingman. Twp. 18 N.,
R. 13 W., near the corner
of sections 15, 16, 21 and
22. Elevation about 2900'.
Flowers lavender-pink,
with a yellowish throat.
Gilia inconspicua (Smith)
Sweet, sens. lat.

M. L. S.

(6) ✓

10572 - April 7, 1966.
Same place as 10571.
Flowers white or
light blue.

Brodiaea capitata Benth.

Brodiaea

(5) ✓

10573 - April 7, 1966
Same place as 10571.
Buds nodding. Heads
erect. Corolla whitish,
the lobes dull lavender.

Chaenactis macrantha
D. C. Eat.

Ch. macrantha (7) ✓

10574 - April 7, 1966
Same place as 10571
Flowers bright yellow

Mentzelia *intermedia*
monticola (Urban & Gilg)
Darlington

Mentzelia (4) ✓

10575 - April 7, 1922
Same place as 10571

Stylocline micropoides
A. Gray

Flora (5) ✓

10576 - April 8, 1966
Arizona, Mohave Co.

In sandy soil in shade of
shrubby in Larrea
- Cercidium - Lycium
desert a little east of
Big Sandy River, opposite
Spring Wash, 40+ miles
southeast of Kingman.
Twp. 18 N., R. 13 W., S. 25.
Elevation 2600'.

Thelypodium lasiophyllum
(H. & A.) Greene
~~var. *lasiolepis* (H. & A.) Wats.~~

one ? (4) ✓

10577 - April 8, 1966

Same place as 10576.

Petals pinkish and
wilted in mid-morning,
presumably open and
white at night.

Oenothera chamaenerioides
A. Gray

Small *Oenothera* (3) ✓

10578 - April 8, 1966
Arizona, Mohave Co.
In sandy soil in
Larrea-Tridacium-Pycnanthemum
Desert elev. 10,500-11,000 ft.

Flowers white, open at
night, wilting and
turning pinkish in the
morning. Stems of some
plants strigose, of
others minutely glandular -
pubescent with
spreading hairs, of
others finely and loosely
pubescent but scarcely
glandular.

Oenothera clavicornis Torr.
var. *aurantiaca* (Wats.) Munz ^{+ F. em.}

Large @. *idura* (10) ✓

10579 - ~~Cyperus~~ 011966.

Same place as 10578.

Flowers light yellow,
open at night, wilting
in the morning.

Oenothera primavera
Gray

247

yellow *Oenothera* (1) ✓

10580 - April 8, 1962

Arizona, Mohave Co.

Red, sandy conglomerate slopes and ridges in Larrea-Cercidium desert near the Big Sandy River, opposite Spring Wash, 40+ miles southeast of Kingman.

Twp. 18N., R. 13W., S. 25.

Elevation about 2600.

Flowers lavender-purple, the keel darker than the banner.

Astragalus amphioxys Gray

var. *amphioxys*

det. R. C. Barneby

Astragalus (6) ✓

10581 April 8, 1966
Semi prostrata 10580.
Flowers bright yellow

Lotus rigidus (Benth.)
Greene

Macaranga



10582 - April 8, 1965
Same place as 10580.
Flowers light yellow,
sometimes also faintly
anthocyanic.

Eriogonum thomasi Torr.

det. James Reveal

Eriogonum (4) ✓

10583 - April 8, 1966
Same place as 10580.
Flowers blue-lavender.
Growing with # 10584,
inconspicuous, but
evidently distinct.

Gilia scopulorum Jones

Gilia - var.



10581 - April 8, 1955
Same place as 10580.

Flowers white, or faintly
anthocyanic outside.
Growing with # 10583
G. scopulorum, but
evidently distinct.

Gilia inconspicua (Smith)
Sweet, sens. lat.

white *Gilia* (4) ✓

10502 - April 8. 1961
Same place as 10580.

Flowers white, the
tips of the 3 lobes of
the apparent upper
lip brown-purple.

Nemacladus glanduliferus
Jeps.
var. *orientalis* McVaugh

lobeloid



10586 - April 8, 1961.
Same place as 10587.
Bracts scarlet.

Castilleja chromosa A. Nels.

Castilleja

(3) ✓

- 10587 - April 8, 1966.
Same place as 10580.
Brittle shrubs 2-6 dm
tall. Flowers pale
greenish-yellow.

Galium *stellatum*?

29

✓

Galium stellatum? (7) ✓

10588 - April 8, 1966
Arizona, Mohave Co.
Crimson among jumbled
granitic boulders in
Purshia - Larrea - Fouquieria
scrub - 11 miles south
west of Wickiup,
near the corner of Trps.
14 and 15 N. and ranges 12
and 13, W. Elevation 7200'.
Shrub up to about 5 m.
with flowers about 75
per ha., mainly at o.
occurrences.

Fouquieria atractyoides
in situ

B. bellia (3) ✓

10589 - April 18, 1961.
Same place as 10588.
Stems up to about 8
centimeters. Disk orange.
Ray yellow, commonly
about 10 or about 13,
sometimes 12. Achenes
hairy, compressed but
not winged. Pappus of
two awn-scales and
several much shorter
scales.

Viguiera deltoidea
var. *parishii* (Greene)
Vasey + Coville

piece in (10) ✓

10590 - Arizona, Mohave Co.
Gravelly soil about
granite boulders in
Pajon. Pseudotsuga. Fouquieria
etc. 11 mi. south-south-
west. Weeding, near
the ... 14 ...
15 W. ... leaves 13 W.

Shrub ... 2 ... Archaic
shrub ... shrub ...
... Tawny ...
... g ...
Flowers mostly 35-50,
faintly ...
... white

Paraphytium gracile Benth
Paraphytium (24) ✓

10571 - April 9, 1960.
Arizona, Mohave Co.
Crevices under granitic
boulders in Larrea-Tridacium-
Fouquieria Desert
miles south-southeast
of Winslow. Twp 15 N.,
R. 13 W., S. 31. Elevation
2200'.

Notholaena parryi
L. East,

Checklist (5) ✓

10592 - April 9, 1966.

Coahuila, Michoacán Co.,
Granite Cl., granitic slopes
in Larrea. *Cuscutum*-*Fou-*
quissia desert. Near 10591.
Flowers light to bright
yellow. Plants flowering
for at least two years,
not strictly annual.

Trichoptilium incisum
A. Gray

yellow (bracteoles) ✓

10573 - April 9, 1966
Arizona, Mohave Co.
Among granite boulders
in Larrea - Tridax -
Fouquieria desert
etc. in 10591.
Shrubs about 1 m. tall.

Crossosoma bigelovii
S. Wats.

Pegaron

40 ✓

10594 - April 9, 1966.
Same place as 10593.
Only one plant seen.
No other Senecios here.
Heads yellow, Rays 8 or
after fewer.

Senecio lemmonii A. Gray

✓

10595 - April 9, 1966.

Same place as 10593.

Shrubs up to about 1 m
tall. Flowers blue. Cal-
eudon.

Hyp *ensis* *Torr*

ment (17) ✓

10576 - April 9, 1966,
Arizona, Mohave Co.

Crumbly granitic soil,
in *Pinus-Cercidium-Fouquieria*
bush 11 miles south-south
west of Williams.

4' tall tree, 3' high.
14 and 15 fl., 12 and 15
W, 8 to 10: 2200'.

Corolla limb bright
blue-lavender with
darker lines, the tube
and throat paler. Corolla
very nearly regular, with
a slight suggestion of
association of 3 lobes to
form a lip. Stamens unequal
Erigeron eremicus (Jeps.)

Erigeron (5) ✓

10597 April 9 1966
Arizona, Mohave Co
Sandy, gravelly soil in
Larrea-Fouquieria desert
along Frank's Wash,
3 miles southeast of Yucca,
Twp. 17 N., R. 17 W., S. 20,
Elevation 2000.

Flowers papery white
faintly ochroleucous.

Mentzelia tricuspidis Gray

Mentzelia (4) ✓

10578 June 10, 1952
Mojave, Clark Co.

Along a gravelly dry wash
in Larrea desert 25 miles
southeast of Searchlight.

Twp 32 S., R. 65 E., S. 7.

Elevation 2900' Corolla

pink with lavender

to almost white, the

throat dark purple

with a distance

in aureus seen here.

Linanthus aureus Nutt.)

Greene

... *decorus* (Gray) Jeps.

Linanthus 27 V

10579 - April 11, 1966
Nevada, Clark Co.

In granitic lava desert
2 miles southeast of
Crescent, Twp. 32S,
R. 63E., S. 7. Elevation
2900'. Plants mesphitic,
corolla limb white
or very faintly
pinkish-tinted,
the throat yellowish

Gilia inconspicua (Smith)
Sweet, sens. lat.

Gilia

(35) ✓

10600 - April 10, 1966
Same place as 10599
Flowers purple.

Astragalus didymocarpus
— H. & A.
var. *dispermus* (Gray)
Barneby
det. R. C. Barneby

Astragalus

35



10661 - April 11, 1966

Same place as 10599.

Corolla minute, white.

Three nectlets 1.0 mm. long,

the purple 1.2 mm.

Cryptantha angustifolia
(Torr.) Greene

Cryptantha (2) ✓

10602 - April 11, 1966.

Same place as 10599.

Branches prostrate
or many widely
ascending. Flowers
yellow.

Lotus humistratus Greene

U.S.
P. 24 ✓

10603 April 11, 1941

Monterey Co.

Gravelly granite ridges
in ~~the~~ forest about 35
miles southeast of Sea-
mont, a scant half-mile
southwest of Dripping
Springs. Twp. 31S., R. 6E.
S. 36. Elevation 2300'

Corolla regular,
blue-lavender, seldom
white.

Langloisia setosissima
(T. & G.) Greene

Langloisia (33) ✓

10604 - ~~...~~

Same place as 10603.

Spores minute, white,
Nutlet solitary, axial,
tuberculate on the back,
rather sharp-edged.
2.0 mm. long.

Cryptantha utarensis
(Gray) Greene

Cryptantha

(22) ✓

10605 - April 21

Verona, N.J.

Loose, gravelly, granitic
slopes in former forest
about 35 miles southeast
of Searchlight, a scant
half mile southwest of
Dripping Springs.

Twp. 31 S., R. 65 E., S. 36.

Elevation 2300.

Flowers yellow

Oenothera biennis - Gray
var. *brevipes*

Oenothera

(14) ✓

10606 - April 2, 1966.

Nevada Park Co.

Under the edges of granite
caves and boulders, ^{in the} large desert
a small wide canyon to
Dripping Springs Canyon,
about 35 miles southeast
of Gardnerville. Twp. 31 S.,
R. 25 E. S. 31. Elevation
2400'. Plants annual,
taprooted and creeping
forming tufts under
the overhang of the rocks.

Pterostegia drymarioides
F. & M.

T. ✓

10657 - April 2, 1961
Nevada, Clark Co.,
Breviews of granitic rocks
along Dripping Springs
Canyon. etc. as in 10656.
Plants perennial, be-
coming shrubby to-
ward the base, appar-
ently taprooted. Corolla
white-yellow.

Physalis crassifolia Benth.

Physalis (14) ✓

10:45 - April 12 '76
Nevada, Clark Co.
Open granitic slope in
Larrea desert along
Dixie Spring Springs Canyon
about 35 miles southeast
of Searchlight, Twp. 31S.,
R. 65E., S. 36. Elevation
about 2400'. Intricately
branched, broad, low,
mushroom-shaped
about 3 dm tall,
corolla orange. Twigs
diverse.

Dyssodia porophylloides
Gray

Dyssodia ✓

10609 - April 12, 1950.
Sierrita Wash Co. In
crevices of rotten granite
in Lava Desert along
Dripping Springs Canyon,
about 3.5 miles southeast
of Searchlight. Twp. 31S.,
R. 65 E., S. 36. Elevation
about 2400'. Corolla
yellowish in bud, white
at anthesis. Seeds
numerous, pitted,
scarcely .05 mm long.

Prosopis juliflora Torr.

Prosopis (6) ✓

10610 - April 12, 1966
Arizona, Mohave Co.
Open, rocky (basaltic),
gravelly (granitic) slopes
in Parnassus desert overlooking
Silver Creek Wash from
the south, about 4
miles miles southeast
of Buckskin Mt., Twp. 20N,
R. 21W, S. 26, Elevation
1100'. Herbage blue-
green. Flowers
bright yellow.

Eschscholtzia gypso-
gypso sperma Greene

Eschscholtzia

(22) ✓

10611 - April 2, 1950
Arizona, Mohave Co.
on gravelly granite por-
phyry knolls in Larrea
desert a scant 2 miles
southwest of Oatman,
Twp. 19 N., R. 20 W., S. 27.
Elevation 2400.
Plants short-lived
perennials, but probably
blooming the first year.
Peduncles slender but
stiffly ascending, the
young heads nodding.
Flowers bright lemon
yellow.

Trichoptilium incisum A. Gray

yellow Chaenactis (27) ✓

10612 - April 12, 1966
Arizona, Mohave Co.
Sand hills overlooking
the bottoms of the Colorado
River in Terrace about 16
miles south of 29th Ave.

Twp 16 N., R. 21 W., S. 2.

Elevation 700'. Half-
-shrubs, usually 4-12 dm.
tall. Corolla white or
whitish, the styles
pink.

Palafoxia linearis (Cov.) Hag.

Palafoxia

21 ✓

10613 - April 12, 1966

Same place as 10612.

~~Female, finely spotted
with dull red on a
white to pinkish
background.~~

Corolla-limb irregular
with 3+2 or 4+1 lobes,
finely spotted with dull
red on a white to pinkish
background.

Langloisia schottii Gray
51110

655

Langloisia (13) ✓

10614 April 12, 1950
Arizona, Mohave Co. In
sandy soil in Larrea desert
in a broad, nearly flat
valley (Hualapai Valley)
35 miles northeast of
Kingman, Tex. 26 N.,
R. 15 W., S. 29. Elevation
about 2900'. Basal
leaves erect. Stems
curved ascending.
Outer ligules ochro-
lucous, the inner
ones bright yellow.
Awns bright white,
usually deciduous except
for two firmer awns.
Malacothrix glabrata A. Gray
hinnocentis (28) ✓

1065 - April 13, 1966
Same place as 1064.
Corolla limb bright
yellow, the throat
orange.

Linanthus aureus
(Nutt.) Greene

Linanthus aureus ✓

(29) ✓

10616 - April 13, 1966.
Same place as 10614.
Rays yellow, mostly 8.
Disk orange.

Eriophyllum wallacei A. Gray

Eriophyllum wallacei ✓ (1)

16617 - April 13, 1966.
Same place as 16614.
Rooted. Corolla
minute, white.
Nuttlet: all alike,
tuberculate, 1 mm long,
surpassed by the gynobase

Cryptantha micrantha
(Torr.) Johnston.

Cryptantha micrantha ✓

10618 - April 13, 1966

Same place as 10614.

Corolla minute, white,
growing with
10619, but seemingly
distinct

Pectocarya linearis
(R. & P.) DC.

var. *platycarpa*
(Munz & Johnston) Cronq.

Pectocarya 15

10619 - April 13, 1966,
Same place as 10614

Corolla minute, white
Growing with # 10618
but seemingly
distinct

Pectocarya linearis
(R. & P.) DC.

var. *platycarpa* (Munz. & Johnston)
Cronq.

769

Pectocarya (15) ✓

10630. Apr. 14, 1966

Arizona, Mohave Co.

In a gravelly, granitic
depression Coleogyne -
Yucca brevifolia - Larrea
desert north of Table Mt.
plateau, about 35 miles
north-northwest (airline)

of Kingman. Twp. 27 N.,
R. 18 W., S. 9. Elevation
about 3500. Aromatic
shrubs 4-10 dm. tall.

Same place. *F. ...*
blue. Cactaceae

Salvia dorrii (Kell.) Abrams,
sens. lat.

Larrea tridentata (15) ✓

10671 - April 14, 1966

Arizona, Mohave Co.

Gravelly, granitic gentle
slope in Coleogyne -

- Yucca brevifolia - Lower
desert north of the

Mt. Plateau about 35
miles (airline) north

- northwest of Kingman.

Twp. 27 N., R. 18 W., S. 1.

Elevation about 3600'.

Shrubs 4-12 dm tall.

Leaves and young twig

glutinous. Heads yellow.

Rays 8-13, of tube 10.

Haplopappus linearifolius DC.
var. *interior* (Coville) Jones

319

Har. ... 35 ✓

10622 - April 14, 1952
Arizona Institute
Cliff crevices & rocky
soil about large deposits
of pale, unsorted volcanic
tuff, in the Black Mts.
S. of Battleship Mt.,
about 4 airline miles
east-northeast of Oat-
man. Twp. 19 N., R. 19 W.,
near the corner of sections
8, 9, 16 and 17. *Paria-ocotillo*
- *juniper* and *jumping cholla*
community. Stem erect
on a large, fibrous-rooted,
brown-woolly *Paria-ocotillo*.
lavender-pink.

Perezia wrightii A. Gray

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10623, April 5, 1962

Arizona, Mohave Co.

On gravelly, granite-porphyr
knolls in Larrea desert a

scant 3 miles southwest

of Catman. Twp. 19N., R.

20W., S. 27. Elevation 2400'.

Broad, low shrubs 3-5

dm. tall. Perianth

purple, upper petals

united by their claws.

Krameria parvifolia Link.

var. *imparata* MacDougl.

Krameria (5) ✓

10624 - April 15, 1966

Arizona, Mohave Co.

Along a gravelly
(granite-perphyry) dry
wash in the desert a
scant 2 miles southwest
of Saline, Twp. 19 N.,
R. 20 W., S. 27. Elevation
2400'. Corolla white.

Chaenactis firmifolia

- A. Gray

Chaenactis firmifolia



10625 April 16, 1966
California, San Bernardino Co
In sandy, gravelly (granitic)
soil on gentle west slope
in Terra community in
Pinto Valley, 25 miles
south of Searchlight, Nevada
Twp. 12 N., R. 20 E., S. 21.
Elevation 2500'.

Herbage blue-glaucous.

Flowers bright orange-yellow.

Eschscholtzia
minutiflora Wats.

~~*Eschscholtzia*~~

16 ✓

10626 - April 16, 1966
California, San Bernardino Co.
Parasitic on *Franseria* in
Larrea desert, sandy, gravelly
(granitic) gentle west slope in
Pinto Valley, 25 miles south of
Searchlight, Nevada. Twp. 12 N.,
R. 20 E., S. 21. Elevation 2500'.
Stems buried up to the
inflorescence. Corolla
dull purplish, the upper
lip reflexed and darker
than the projecting
somewhat reflexed
lower one, which is
marked with yellow and
white at the base.
Orobanche ludoviciana Nutt.
var. *cooperi* (Gray) G. Beck
Orobanche (3) ✓

15627 - April 6, 1966
California, San Bernardino Co.
Same place as 10625.
Flowers white, turning
pinkish. Tip of the inflo-
rescence reddish when young.

Oenothera refracta Wats.

Oenothera - narrow leaves

15

10628 - April 16, 1966,
Same place as 10625.

Stems notably white.
Flowers white.

Oenothera boothii Dougl.
= *O. condensata* (Munz)

Oenothera (3) ✓

10629 - April 16, 1966
California, San Bernardino Co
Same place as 10625.
Perianth segments red
medially, becoming
whitish at the borders.

Eriogonum maculatum
H. & A.
det. James Reveal

907

Eriogonum (3) ✓

10630 - April 16, 1966
Calif., San Bernardino Co.
Same place as 10609
Corolla strictly regular,
blue-lavender, with
inconspicuous darker
guidelines.

Langloisia setosissima
(T. & G.) Greene

Langloisia (10) ✓

10631 - April 16, 1966
Calif., San Bernardino Co.
Same place as 10625.
Plants prostrate. Disk
yellow. Rays about 13
(to 15), white, turning
lavender in age.

Monoptilon bellioides
(A. Gray) Hall

9.11

Toumoussouia? (4) ✓

10632 - April 17, 1966

Mesa Verde National Monument

On gravelly outwash slope from the southwest end of the Sheep Mts., a little over 4 miles northwest of Desert Game Range Station, and nearly 30 airline miles northwest of Las Vegas. Twp. 17 S., R. 59 E., S. 4. Elevation 3400'

Larrea - Yucca brevifolia community. Plants short-lived perennials, blooming at least twice. Corolla white with a yellow eye.

Cryptantha virginensis

(Jones) Payson

956

Oreocarya

(35) ✓

10633 - April 17, 1966
Nevada Clark Co. In gravelly
detrital valley between the
Sheep Range and the Desert
Range, 11 miles north of
Desert Game Range
Station, and about 35
airline miles northwest
of Las Vegas. Larrea -
Atriplex - Yucca brevifolia
community. Twp. 16 S.,
R. 59 E., S. 9. Elevation
3800'. Leaves glaucous.
Rays white, or faintly
anthers cyanic outside, with
a yellow base, or that the head
has a yellow tip.
Atrichoseris platyphylla
C. Gray (14) ✓ C. Gray

10634 - April 17, 1966,
Same place as 10633.
Rays yellow, 17-28,
after about 21. Disk
orange.

Enceliopsis nudicaulis
(A. Gray) A. Nels.
var. *nudicaulis*

98
Enceliopsis (10) ✓

10635. April 17, 1962
Nevada, Lincoln Co,
Rocky (basaltic), gravelly
draw between Desert Range
and East Desert Range,
about 0.3 miles south of the
saddle connecting them,
about 50 airline miles
north of Las Vegas. Un-
surveyed area, about
Twp. 13 S., R. 6 E., S. 7.

Elevation about 5000'.
Plants monocarpic, biennial
or perhaps triennial, single-
stemmed. Heads yellow,
with about 13 rays.

Coleogyne-Yucca brevifolia group.
Senecio multilobatus T. & G.,
Senecio (1) sens. lat.

10636 - April 17, 1960

Nevada, Lincoln Co.

Same place as 10635.

Bracts scarlet or nearly so.

Coleogyne - Yucca brevifolia

Zone.

Castilleja chromosa A. Nels.

Castilleja (4) ✓

2019

10627 - Apr 27 1954
Nevada, Lincoln Co. ^{along a} saddle between Desert Range
and East Desert Range, 4
miles north of the saddle
connecting them, 50+
miles north of Las Vegas.
Unsurveyed area: about
Twp. 12 S., R. 60 E., S. 19, 20,
29 or 30. Elevation about
4200'. Joshua tree zone,
at the upper edge of the
Sage community. Plants
mesphitic. Corolla limb
blue-lavender, the throat
yellow with a distal white ring.
Phacelia fremontii Torr.
Phacelia fremontii: (15) ✓

10638 - Aug 217. 126

Nevada, Lincoln Co.

Same place as 10637.

Stems clustered on a
very coarse, woody,
branched caudex sur-
mounting a taproot.
Corolla lobes white or
washed with lavender,
the tube and throat
dark greenish. Glabrous
and hairy plants inter-
mingled.

Amsonia tomentosa

Torr. & Frem.

Amsonia (4) ✓

10639 April 19, 1966
Nevada, Nye Co., along
a gravelly dry wash
in flat country in
Serra-Franco's desert
about 20 miles east-
southeast of Lathrop
wells. Twp 16S., R. 62E.,
north corner of sections
15, 16, 21 and 22. Elevation
just under 2800'.
Shrubs up to about 1 m. tall.
Rays yellow, mostly about
13, sometimes 8 or 21.
Disk orange.
Senecio douglasii DC.
var. *monbensis* (Greene) Jeps.
Senecio monbensis (23)

10640. April 19, 1966

Same place as 10639.

Broad, low, thorny
shrubs up to about 6
dm. tall. Flowers
dark violet-purple.

Dalea fremontii Torr.

Dalea fremontii (6) V

10641 - April 19, 1966

Nevada, Nye Co.

In flat, gravelly,
Fremont-Furness Desert

about 20 miles east -
southeast of Lathrop

Wells, Twp. 16S., R. 52E.,
near the corner of sections
15, 16, 21 and 22.

Corolla strictly regular
the limb evident by
purple dotted and
white or nearly white
background.

Langloisia punctata

(Coville) Gooding ✓

Langloisia



10642 - April 19, 1966
in arida, Nye Co.
With *Atriplex* and *Lepidium*
permanet in alkaline soil
just above the southwest
side of a large playa, 15
miles (airline) southeast
of Lathrop Wells. Twp.
17S., R. 51E., S. 20.

Elevation about 2300'.
Stems in well developed
plants prostrate with
upturned tips. Leaves
slightly succulent.
Flowers yellow

Lepidium flavum Torr. ✓
Lepidium flavum 357

10643 - April 19, 1966

Nevada, Nye Co.

Gravelly, alkaline
slopes about a low
summit in Larrea
desert about 15 miles
airline southeast of
Lathrop Wells, and
about 2 miles from
the southwest edge of
a large playa. Twp. 17S.,
R. 51E., S. 30. Elevation
2500'. Plants dioecious,
mostly 3-5 dm. tall.

Atriplex hymenelytra

1104 (Torr. 50-10) ✓

Atriplex hymenelytra ✓

10644 April 20 1966
Nevada, Inyo Co. Gaudly
alkaline gentle slopes
just southwest of a
large playa, 15 miles
(airline) southwest of
Lathrop Hills. Temp. 175°
R. 515., about S. 20.

Elevation about 2400
Flowers lavender-purple.
Plants brittle and
slightly succulent.

Phacelia pachyphylla
Gray

Phacelia pachyphylla (35)

10645 - April 20, 1966.

Same place as 10644.

Flowers light yellow.

Peduncles of robust specimens sometimes slightly inflated.

Eriogonum inflatum.

Torr. & Frem.

Eriogonum

(26) ✓

10646 - April 20, 1966

Same place as 10644.

Plants somewhat
succulent. Flowers
light yellow.

Oxystylis lutea Torr +
Frem.

Oxystylis lutea (13) ✓

10647. April 20, 1966.
Nevada, Nye Co. In
somewhat alkaline
sandy desert overlooking
the southwest side of a
large canyon, about 15 miles
(airline), southeast of
Fathrops Wells. Twp. 17 S.
R. 51 E., about S 10,
Elevation about 3400'.

Corolla regular, the limb
evidently speckled and
lined with purple on a
nearly white background.

Langloisia punctata
(Coville) Goodding
Langloisia (8) ✓✓

10648 - ~~1915~~ 1915
Mesa Co. ~~Colorado~~, About
outcrop of a pale, hard
limestone which
rests on a white,
argillaceous soil, in
Tanner's ~~Chowath~~
southwest side of a
~~large mesa~~, about 15
miles (airline) southeast
of Lathrop Wells, Twp.
175 R. 51 E. about 5. 1915.
Elevation about 7400.

Rays 11-23, yellow to
orange.

Enceliopsis nudicaulis (A. Gray)
A. Nels.

Var. *corrugata* Cronq.

1 Holotype; 19 Isotype

10649 - April 20, 1966

M. Wade Page Is.

Crevices of rocky ~~bedrock~~
ridge in ~~barren~~ desert
a mile northeast of
Devil's Hole, about 15
miles (airline) south
east of Lathrop Wells.

Twp. 17S., R. 51E., S. 31.

Elevation about 2500'.

Intricately branched
shrubs 2-6m tall.

Heads yellow with 0-2
rays.

Amphipappus fremontii T. & G.

1231

Amphipappus

(25) ✓

12 5 7
S... 3625

9251

2-20
S

318

10 82000

10002

10649 - April 20, 1966

M. ...

Crevices of rocky ~~basaltic~~
ridge in ...
a mile northeast of
Devil's Hole, about 15
miles (airline) south
east of Lathrop Wells,
Twp. 17S., R. 51E., S. 31.
Elevation about 2500'.

Intricately branched
shrubs 2-6 dm tall.
Heads yellow with 40-2
rays.

Amphipappus fremontii T. & G.

1231

Amphipappus

(25) ✓

36-8 14/10/54 M. Tortifolia

col 5 = 34 can 2/2/54

56 rays in Barley, multi-

15 7.7 cult, 5 21

68 of absent stamens

Camp	23725	
D. ...	846	
get ...	?	
Outing	808.2	
Flower ...	825.4	1000
...	31.8	
...	705	
Kingsman	508.1	
get	952.75	
...	762.2	2700
get	945.1	
...	95.2	
...	990.7	2700, 1800, 3600
Kingsman	058.6	
...
get	104...	
Needles	24131.3	
40,7	66,7	470

Logan	22.000	
Mesquite	23171.5	
Reversido Jet	181.1	9870
Muddy R.	206.3	
Camps	285.2	
Jet	905	
Jan	73.2	
Kingman	363.	
Restroom	77	
Camps	84.7	
Jet	388	3300ft
Inter Jet	234.4	
Wikieup	465	2100
Jet	472.7	
Camps	75.4	
Jet	712.4	
Searchlight	747	
Jet	765.6	

9870
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