8660 - April 20, 76
open, rocky, gravelly, gravely hillside on south slope/ south end of Utah-Arizona boundary, a little more than 2 miles above Caste 24/5, on US highway 91, between St. George and Mesquite (Nevada), Washington Co., Utah. Joshua Tree Zone, at lower altitude of juniper and sagebrush, but above the sandy cress. Aromatic, thorny shrubs 3-4 dm. tall; low evergreen puple.

Thamnosma montana
Torr. & Fend.

Torr. & Fend. 0570
7261 - April 20, 1961
8860.
Shrub 3-7 dm. tall. Rays
(7) 8-10 (11).

Haplopappus lineariifolius DC.
var. interior (Comille) Jones

Haplopappus 10

[Signature]
8862 - April 21, 1921
Same place as 8860. Nephtic astral; flowers lavender to nearly white.

*Gilia simutta* Doug., sensilat (the *G. inconspicua* phase)
8863 - April 70, 1961
Same place 68860.
Ascending annual; flowers lavender, the banner with a pale spot

Oxystegus muttallianus A.D.C.
var. imperfectus (Ryd.) Barneby

det. R.C. Barneby
856 4 April 20, 1961
Same place as 8860

Plantago patagonica Jacq.

Plantago fournieri
8835 - April 20, 1961
Shrubs 6-8 dm. tall with white bark. Heads yellow, with 12-18 rays. Santa-Fresnaria-Yucca
sclerophylla community on Mormon Mesa, west of Mesquite, Clark Co., Nevada

Encelia frutescens Gray var. virginensis (A. Nels.) Blake
BB6 - April 2 0, 1961

 Sandy soil on Mormon Mesa, 12 miles northeast of Glendale, Clark Co., Nevada.

 Heads white, the marginal flowers shortly quasinodose.

 Chaenactis fremontii Gray
in Quadr 1. Samuel Beatty
5867 - April 21, 1961
Saw a hot 11 miles north
west of Las Vegas, Clark Co.,
Nevada, along U.S. 95.
Annual - H. Yellowish

Eriogonum Trichophes Tort.
8868 - April 21, 1961
Same plant as 8867
Perennial; heads yellow, rays mostly 13. Plant mildly aromatic

Eriogonum trihapes Terr.

Dysseodia thurberi (Gray) A. Heller

Dysseodia thurberi D
April 21, 1961

Create yucca community on broad alluvial fan in Las Vegas valley, 21 miles northwest of Las Vegas, Clark Co., Nevada.

Such branched, thorny, taprooted, aromatic shrub 2-4 dm. tall. Flowers yellow. Rays mostly about 8

Acamptopappus shockleyi Gray

Acamptopappus 6

Red check mark
Flowers purple.

Phacelia crenulata Forry
sens. lat.

Cryptantha
Confertiflora (Green) Bux.
Same place as 8871 - Bracts red-tipped, the shade varying from plant to plant.

Castilleja chromosa A. Nels.
depd. det. Marion Cumley
C. 18
8-73 - April 22, 1961
Same place as 71.
Petals dull ochreoleaceous, tents with anthocyanin toward the tips.

Arenaria macrodenia Wats. var. parishiorum Robbins.
8574 April 22 1961.

Gradually limestone reach, otherwise same place as 8571. Heads nodding when young, becoming erect at anthesis. Corolla dull pinkish and dull scleroleucous. The pinkish color more prominent distally.

Chaenactis macrantha Eas.
58 ° 15 - April 22, 1921

Elevation about 7600 feet.

Lomatium foeniculaceum (Watt) Coulter & Rose var. macdougallii (Coulter & Rose) Corng.

Lomatium macdougallii 5.
April 22, 1961

Valley west of Rainier Mesa, about 50 miles northwest of Mercury, Nye Co., Nevada.

Reported semi-shrub with white flowers.

Sinarthrostum nuttallii

(Thay) Ewan

Ewan
April 22, 1961

Juniperus monosiphylla
slope, volcanic (santolita area, west of Rainier Mesa
about 50 miles northwest of Mercury, Nye Co., Wnads.
Plants tufted, without rhizomes

Poa fendleriana (Staud.) Vasey
The long ligulate form

Poa fendleriana (Staud.) Vasey

[Handwritten notes]
6878 - April 22, 1961.
Campanula as 8877.
Petals purple.

Arabis holboellii Hornem.
var. retrofracta (Harlan) Rydgb.
8830 - April 22, 1961.

Same plan as 8877. Plants pulvinatus - cespitose; pericarps light yellowish, varying to reddish.

Eriogonum var. torrum
On Juniperus astringerrnus, only, in pine (Pinus monophylla) - Juniper - Sagebrush.
Community, near the west base of Rainier mesa, 40-mile
Canyon drainage, nearly 50
miles northwest of Mercury,
Nye Co., Nevada. Stems
Yellow-green; fruits
Ellipsoid, white.

Phoradendron juniperinum Engelm.

Personating; leaves glaucous; petals many pale bluish (almost white) with some darker blue veins especially toward the base. Petals never spreading out flat as in L. lenisii, and tending to persist for some time after anthesis instead of being promptly deciduous.

Linum sp. aff. L. perenne var. lenisii

Linum 21
2083 - April 22, 1961
Same place as 8882.
Calyx pink to nearly white

Phlox stansburyi (Tom.) Hooker

Phlox stansburyi
April 22, 1961

Open rocky west slope with
Artemisia arbuscula;
Drainage of 60-mile canyon,
northwest of Mercury,
Nye Co., Nevada

Flowers pink-purple,
the banner with a pale
spot.

Astragalus purslikii
var. tinctus Jones

det. R.C. Barncy
April 22, 1961

Sandy flats below west base of Rainier Mesa, drainage of 40-mile canyon, northwest of Mercury, Nye Co., Nevada. Artemisia zone.

Leaves glaucous; stems white.

Cymopterus ripleyi Banks
April 23, 1961.
Coleogyne-joanaea community,
eastern part of Jackson Flat, about 25 miles northwest of Mercury, Nye Co., Nevada, about 4000 feet elevation.
Flowers pink-purple.

Silia cana (Jones) Heller
var. triceps (Brand)
April 23, 1961

with 8886.

Flowers bright magenta-purple, almost yellowish
broad part of the tube.

Nama demissum Fry
var. demissum
demissum
8888 - April 23, 1961
with 8886 -
Heads his aid, yellow

Eriophyllum pringlei they

Eriophyllum pringlei 16
April 23, 1961

Some places as 8886.

Disk petiole in bud, white at anthesis; phyllaries anthocyanic distally.

Chaenactis carpopholina Gray
8890 - April 23, 1961
Same place as 8886.
Heads white.

Chaenastis stevioides H. & A.
8891 - April 23, 1961

Travelly sail in open
pineo-Juniper woodland
near the top of Shoshoni Mt.,
about 125 miles northwest
of Mercury, Nye Co., Nevada.
Elevation about 6500 feet.
Corollas closed when plants
collected at midafternoon
(probably respectively)
white with a dull pinkish
overlay especially on the lobes.

Sineanthus dichotomus Rentch.

Sineanthus 25
8892 - April 23, 1961
open gravelly slope,
recently burned, in
pinyon-juniper zone, near the
tops of Shoshone Mt., about
25 miles northwest of
Mercury, Nye Co., Nevada.
Elevation about 6500 feet.

Physaria Chambersii Rolfe

Physaria (15)
CDS
6373 - April 23, 1961.
Same place as 6872.

Corolla tube yellow, the spreading cins. blue, lavender

Phacelia fremontii Torr.
Same place as 8892.
Corolla pink to nearly white.

Phlox longifolia Mitt.
sens. lat.
Same place as 8890.
Head and yellow; rays 5 (6-7)

*Syntrichopappus fremontii* Gray
C. + B.
8896 - April 23, 1961


Pellala micronata (D.C. Est.) D.C. Est.
var. microlamata

Not recorded from Nevada by Tregon (1957).
88 7 - April 23, 1961
Along gravelly bottom
66 wash at Topopah
Spring, south side of Shoshone
Mt., about 35 miles northwest of
Mercy, Nye Co., Nevada
Elevation 5800 ft.
Bloom light pink-purple,
flowers dull white or
achlorophores.
(Lower edge of pines-Juniper
300.

Trifolium andersonii Gray

Trifolium
8898 - April 23, 1961

Open, rocky soil at lower edge of pinyon-juniper zone, just below Topopah Spring, south side of Shoshone Mt., about 25 miles northwest of Mercury, Nye Co., Nevada. Elevation 5,800 ft. Petals white.

Arenaria congesta Nutt. var. subcongesta (Wats.) Wats.

M.T. Bassett Magazine
Thysanocarpus curvipes Hook. var. eradiatus Jeps.

Thysanocarpus
8700 - April 24, 1861
Foothills below Mt. Taylor, west of Frenchman's Flat, north of Mercury, Nye Co., Nevada. Larrea community. Elevation about 3700 feet.
Succulent about 6 ft. tall.
Corolla a handscript pale color, except for the rich dark purple upper surface of the lower lips.

Salazaria mexicana Torr.
1901 - April 24, 1961
Same place as 8900.
Shrub about 5 dm. tall.
Flowers bright dark violet - purple

Dalea fremontii Torr.
8902 - April 24, 1961

Same place as 8902.
Stem glaucous. Flowers pale bluish.

Delphinium amabile Tilest.
8903 - April 25, 1961
James commune, just north of the north end of the valley, 4 miles northeast of Desert Hot Springs, Clark Co., Nev.

Inez Swift, Janice Beasley, &
Philip Wells

Shrub about 1 m. tall.

Senecio douglasii T. & G.
var. monensis (Kleene) Jeps.

Senecio 16
1904- April 25, 1961

Cranquist, Janice Beatley, and Philip Wells.
Same places 8903
Shut 3-6 am. Heads with a single ray, or none of them discarded.

Amphilappus fremontii T. & G.
8905 - April 05, 1961
Cronquist, Janine Bentley +
Philip Wells same place
as 8903.
Breast dark about 5 in. tall
Rays 3-6, mostly 5

Psilostrophe cooperi (Borey) Boreus

Psilostrophe
8906 - April 25, 1911

Cresquat, Janice Bentley, & Philip Wells. Crevices in limestone cliffs in a canyon at north end of Las Vegas Range, below Sawmill Spring (Sheep Mts.), Clark Co., Nevada. Coleogyne community, just below the pinon-juniper zone. Plants apparently annual, mephitic; corolla white.

Phacelia rotundifolia Torr.
2707 - April 25, 1961

Cronquist, Janine Beatley and Philip Wells, open gravelly slopes in Coleogyne Community, just below the Pinyon-Juniper zone, in canyon at north end of Las Vegas Range, below sawmill injury (then Mrs.) Clark Co., Nevada.

Flowers on some plants yellow, matted with red in the throat, in others magenta, matted with yellow in the throat, the two types growing intermingled.

Minulis parryi Gray
Apparantly new to Nevada

Minulis [12]
8908 - April 25, 1961
Cronquist, Janice Beasley, and Philip Wells. Same
place as 8907. Corolla
whitish when fresh, more
definitely yellow when dried.

Silia filiformis Parry
Conquist, Janice Hatley, and Philip Wells. Open, gravelly flats above the Canyon bottom in Callegeyn Community, just below the Pinon Juniper Zone, in Canyon, at north end of the Vegas Range, below Swover Spring (Sheep Nuts), Clark Co., Nevada.

Leaf solitary, clublike, not much flattened.
Pericarp white.

Allium nevadense S. Wats.
depth dept. Marion County

nevaradum
Allium 14. motif.
8910 - April 25, 1961

Cranquist, Janice Beadley, and Philip Wells, same place as 8709. Plants abundant. Condolantite.

Sinarthria demissus (Gray) Greene
8911 - April 25, 1961
Cronquist, Jimmie Bailey, and Philip Wells. Same place as 8709. Corolla minute, white.

Cryptantha gracilis aster.

Cryptantha 21 gracilis
8912 April 25, 1961.
Travely slopes in open
juniper woodland
at east base of Sheep Mt.,
below sawmill spring,

near the north end of the
Las Vegas Range. Corolla
light lavender, the tube
yellow.

Cranquist, Janice Beatley,
and Philip Wells

Phacelia fremontii Torr.
Craneruf, Janie Beatley
and Philip Wells.
Same place as 8912. Corolla
lavender, with a yelow throat

Gilia simeta Doug., sens. lat.
(the G. inconspicua phase)

Gilia off. simeta - lavender.
Crawquist, Janice Beatley
and Philip Wells.
Same place as 8912.
Flowers white.

Draba cuneifolia Nutt.
var. cuneifolia

Anne Draba var. cuneifolia

18
Cronquist, Janice Beasley
and Philip Wells.
Same place as 8912.

Herbage very glaucous;
flowers blackish-purple;
above a pale granish-ochro-
lemon base.

Streptanthus cordatus
Nutt.
8716 April 25, 1911
Cranquist, Janice Beatty and Philip Wells.
Same place as 8712.
Petals pink-lavender.

Arabis perennialus Water. 1
8917 - April 25, 1961
Cranquist, Janice Beatley, and Philip Wells.
Same place as 8912. Corolla pink-purple. The wings white - tipped.

Astragalus calycosus Torr.
def. R. C. Bannery
8918 - April 25, 1961
Same place as 8917.  
Cranquist, Janice Beatley and Philip Wells.  Boats bright red.

Castilleja Chromosa A. Nels.
Deyl. det. Marion Dunley
End of Beatley collecting


Phacelia cremula. Tarr, sens. lat.

27. 7. 30. 6. 9
Phacelia (14) 2 miles
8920 - April 27, 1961.
Same place as 8919.
Camilla small, white.

Siliá polycladon Torr.
59 x 3 - April 27, 1961
Same placas 89/19.
F sunny white.

Oenothera reflexa white.
Oenothera white ③
Same place as 89/19. Corolla lavender, flecked with deeper purple.

*langloisia* setosissima (T&G) Greene
8025 - April 27, 1961
same place as 8719

Stylocline microspoides tray

Event 2

✓
8926 - April 27, 1967
Same place as 8919. Growing
with #8927, P. fistigera,
but sharply distinct.

Plantago patagonica Jacq.
8927 - April 3, 1901
Some place by 8919. Peduncles many, stiffly ascending, but not erect. Flowering with #8 926, P. patagonica, but sharply distinct.

Plantago fastigiata Morris
8/9/68 - April 27, 1968 - Very sandy soil along dry wash in first large valley east of the Sheep Mts., along the road from Mormon Well to U. S. highway 93, 2.5 miles west of the highway - Clark Co., Nevada. Plants appearing very different from the much commoner B. multicostata (which was not seen at this station), because of the smaller size, freely branched, leafy stems, and smaller heads.

Baileya pleniradiata Harv. & Gray
8929 - April 7, 1961
Lawn place as 8928
Corolla minute, white.

Cryptantha micrantha
(Torr.) Johnst.

Cryptantha ⑤
Same place as 1928. Flowers yellow. Only a few plants seen.

Lesquerella palmeri Watz.
Crevices in flat lying sandstone rocks in open country (with scattered junipers) about 39 miles southwest of Hanksville, Wayne Co., Utah. Twp 29 S., R. 7 E., S 36.
Elevation 5200 feet. Shrub 2-5 dm. tall, compactly branched.

Shepherdia rotundifolia Parry

Stat. Shepherdia fend (9)
8932. Same place as 8931
April 9, 1931

Castilleja chromosa A. Nels.
Dep. det. Marion Runbeck

Castilleja - number 21 (2)

Unmarked about 3m. tall. Flowers faintly yellowish.

Fraxinus anomala Torr.
8 934 - April 29, 1961
Some places 8733
8/35 April 29, 1961
Herbage glaucous. Flowers white or partly purplish

Cymopterus bulbosus
a. s.l.

24.7
Cymopterus (3)
8936 - April 3, 1961
Same place as 8935.
Low shrub only 1-3 dm. tall; deciduous.

Atriplex nuttallii Wats.
var. cuneata (A. Nutl.)
$5.00 Reward

For return to

Arthur Cronquist
New York Botanical Garden
New York 58, N.Y.

Scientific Data, of no commercial value.