

10966

-

11071

19¢

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Arthur Cronquist
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10458

10966 - 1 July, 1973

White Pine Co., Nev.,
Loose, gravelly slopes
in sagebrush ~~pinus~~
community, ca 3 km
northwest of Ely.

Twp. 16 N., R. 63 E., ^{ca. 7.}
Elev. ca. 1950 m. (S. 7.)

Plants mostly 3-10
cm. tall, with 1-several
stems together. Herbage
glaucous. Flowers secund,
fragrant, pale lavender,
with deeper pink-purple
markings.

Penstemon palmeri A. Gray
det. Noel Holmgren

0.596
Penstemon palmeri (10)

10967 - 1 July, 1973

White Pine Co., Nevada

Sagebrush-juniper.

Pinyon hills ca 25 km
northwest of Ely, Nev.

18 N., R. 61 E. ca S. 26.

Elev. ca. 2150 m.

Corolla translucently

flattened, dull lavender-
purple, with ochro-
leucous galea.

Cordylanthus kingii Wats.

det. Noel Holmgren ✓

Achroostegia kingii

(12)

10968 - 1 July, 1973.

Same place as 10967.

Bracts varying from
achrooleucous through
salmon-pink to almost
scarlet.

Castilleja flavescens ✓

Pennell ex Edwin

det. Noel Holmgren

Castilleja

(10)

10969. 1 July, 1973.

Same place as 10967

Plants possibly spreading
by creeping roots.

~~Flowers white~~

Petals white, bifid.

Arenaria kingii (Wats.) ~~M.E. Jones~~
M.E. Jones

var. *kingii*

Arenaria (7)

10970 - 1 July, 1973.

Same place as 10967.

~~Low~~ Stems 1-fer from
a short, quickly deli-
quescent taproot.

Heads yellow. Rays mostly
5-8.

Senecio multibracteus T. & G. ✓

Senecio multibracteus (10)

10971 - 1 July 1973

Same place as 10967.

Rays 30-40, lavender.

Erigeron argentatus A. Gray



Erigeron argentatus (A)

10972. Same place as 10967.

Growing with #10972a,

C. intermedia A. Gray.

Crepis acuminata Nutt.

① ✓

~~10972~~ 10972a. Same place as 10967.

Growing with #10972,

~~C. acuminata~~ *C. acuminata* Nutt.

Crepis intermedia A. Gray.

① ✓

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3

Same place as 10967.
Heads yellow, with ~~7-10~~
~~flowers~~ flowers.

5-10

2

10773 - 1 July, 1943

San Diego Co., Nevada.

Granitic soil in pinyon

juniper woodland

at Bob Gantt Summit,

north end of Toiyabe

Mts., ca 13 km se. of

Austin, Nev., 19 N. R.

44 E., S. 32. Elev. ca 2200

m. Elev. 1-2 m from

a perennial taproot,

strongly fistulose.

Herbage glaucous.

Petals elongate, slender,

dull lavender.

Caulanthus crassicaulis

(Torr.) S. Wats.

Caulanthus crassicaulis (8)

10975 - 1 July, 1973.

Same place as 10974.

Stems clustered on a
coarse, woody, brittle
taproot. Bracts light
~~red~~ tipped with
bright red. Calyx
largely bright red.
Corolla tube ochraceous
rose, the galea more
greenish.

Castilleja linarioides
Benth.

det. Noel Holmgren

Castilleja off. (name) - (4)

10976 1 July, 1973

Lander Co., ~~Wyo~~ Nevada

Cracks in rocks on west

side of granite outcrops

just east of Austin

Summit, ca 6 km

southeast of Austin.

Temp. 19 N., R. 44 E. about

S. 29. Rays ca 25-30,

blue lavender

Elev. ca 2500 m.

Erigeron tener A. Gray

Erigeron tener (3)

10977. 1 July, 1973

Lauder Co., Nevada,

east side of jumbled
granite rock outcrop
just east of Austin
Summit, ca 6 km
southeast of Austin.

Trp. 1911., R, 44 E.,

about S. 29. Elev. ca.

2300 m. Much branched

stems 1-1.5 (2) m tall

Flowers dark violet to

Holodiscus dumosus (Hook.)

Heller

var. *dumosus*

Holodiscus dumosus

(12)

10978 - 2 July 1973

Nye Co., Nevada. With
sagebrush and *Cercocarpus*
on ridge just north of
Stewart Creek; Toiyabe
Nts. ~~5.5 miles~~ south
of Austin, Twp. 12 N.,
R. 41 E., S. 21. Elev. ca 2600
m. Plants forming loose
to dense mats on the
ground. Flowers white,
varying to faintly
anthocyanic. Style
short, scarcely 3 mm long.

Phlox austromontana
S. Wats.

Phlox (4)

10979 - 2 July, 1973
Same place as 10978.

Plants glaucous.

Flowers rather light
blue.

Penstemon speciosus

Dougl. ex Lindl.

J. H. Coul. & Holmgren

Vancouver



10980 - 2 July, 1973.

Same place as 10978.

Stems clustered on a
woody taproot and
branching caudex.

Flowers white.

Plants nearly inodorous

Linanthastrum nuttallii
(A. Gray) Ewan

⑨

10981 - 2 July, 1973,

Same place as 10978.

Stems clustered on
a brittle, woody
taproot. Bracts varying
from bright light
green to ochraceous,
salmon, or nearly scarlet.

Castilleja chromosa A. Nels.
det. Noel Holmgren

Castilleja 10

12982 - 2 July, 1973

Nye Co., Nevada

With aspen and sage-
brush along Stewart

creek; Toiyabe Nat. ~~55~~ 90
 ^{mi} miles south of Junction

Trp. 12 N., R. 41 E., S. 21.

Elev. ca 2500 m. Flowers

pink-purple

Allium dissectum Wats.

Allium dissectum
(10)

10752 2 July, 1973.

Same place as 10782.

Plants distinctly perenn
nial, mostly single-
stemmed, seldom with
2 stems. Flowers
blue-lavender.

Phacelia sericea (Graham)

Gray

var. *ciliosa* Rydb.

10984-3 July, 1973

Wye Co., Nevada - steep
slopes above the west
fork of Stewart Creek,
~~about 90 km south of~~
~~Quincy~~ Toiyabe mts.
about 80 km. south of
Austin. Twp 12 N., R. 11
S 26. Elev. ca. 2900 m.
Leaves 1.5-2
m. tall. Young twigs
glabrous.

Salix drummondiana Barratt

Salix

(10)

10985 - 3 July 1978

2000' elevation, steep and
sloping, winter pine
forest, steeply ascending
into the mountains.

Stewart Island, Tonga
Islands, ca. 1000' as the
mountain rises to 1900
m.

Flowers white,
fragrant.

Granite

Valeriana acutiloba Rydb.
var. *pubicarpa* (Rydb.) Cronq.

Valeriana (6)

1098 3 July 1978

Nye Co., Nevada. Granite
Sagebrush ~~ridge~~ ridge
just west of the west fork
of Stewart Creek. Toiyate
Nat. S. ca. Johnsonville
direction Twp. 12 N., R.
4 E., S. 28. Elev. ca. 3000
m. Herbarium with
about 13 rays.

Hymenoxys cooperi (A. Gray) C. W.
var. *canescens* (D. C. Eaton)
Parker

Hymenoxys (10)

107673 - July, 1973.

Sierra Co. Nevada.

Gravels of granitic rock
and silt; just west of
the west fork of Stewart
Creek; Toiyabe Nat. Ca.
7.5 km. south of Austin.

~~Top 12' of 4'~~
E. S. 28. Sec. 29. T. 29 N. R. 4 E.

Arabis Lemmonii Wats.

var. *depauperata* (A. Nels.)

Rollins

Arabis

(4)

10988 3 July 1972

Wiese Co., Nevada

On granitic sagebrush
ridge just west of the
west fork of ~~Stewart~~
Creek, Toiyabe Mts.
ca. 90 km south of
Austin. Twp. 12 N.,
R. 41 E. S. 28. Elev. ca.

3000 m. Plants densely
pulvinate - ~~very~~ caespitose
~~leaves yellow, petals~~
~~white~~. Petals yellow.

Draba oligosperma Hook.
det. P. K. Holmgren

(2)

Draba - subulata L.

10989 - 3 July, 5
1973. Mize Co., Nev.
Same place as 10988.
Plants densely pubescent
~~etc. sepals yellow, petals white.~~
Sepals green, turning
yellow in age.
Petals yellow, turning
white in age.

Draba densifolia Nutt. ex T. & G.
det. P. K. Holmgren

Draba - ~~alt.~~ (10) (2)

10990 - 4 July, 1973

Same place as 10989.

Flowers yellow,
mostly 15-22 per head.

Achenes turning
orange-brown at
maturity.

Crepis occidentalis Nutt.

var. *pumila* (Rydb.) Peck

Crepis

(10)

10771 July 1973

Nye Co., Nevada

dry brush slopes
along Stewart Creek.

Toiyabe Mts. on
south of Austin Turp.

12 N. R. 41 E., S. 21.

Elev. ca 2500 m.

Plants mildly caespitose
Stems 1- few from a
short lined perennial
rosette. Flowers pale

perianth to budless pink,
the pale corolla lobes
flecked with deeper red.

Gilia aggregata (Pursh) Spreng.

var. *attenuata* Gray

Gilia agg. var. (6)

16992 - 4 July, 1973

Nye Co., Nev.

~~Lanceolatus 10991~~

Leaves glaucous.

Flowers yellow.

Agoseris glauca (Pursh) Raf.

Var. *laciniata* (D.C. Eat.)

Smiley

10997 5 July, 1973

Nez. Co., Nevada

Granitic slopes under
aspens along middle
fork of Stewart Creek,
Toiyabe Mts. ca 90 km
south of Austin.

Twp. 12 N., R. 41 E., S. 27

Elev ca. 2900 m.

Shrub, sparingly branched
up to about 1 m.

tall. Flowers ^{dull} yellowish

Ribes montigenum McClatchie

Ribes 117

10995 5 July, 1942

Meze Co., Nevada

Sanders of spring
in granitic area, under
in open, along the middle
fork of Stewart Creek;
Tahoe Nat. Co. 90 km.
south of Austin.

Twp. 12 N., R. 41 E., S.

27 or 28.

Slur. ca. 2900

Plants perennating by
very slender and fragile,
rather short-stemmed.

Flowers pink.

Epilobium alpinum L.

sens. lat.

Epilobium (9)

10425-5 - July, 1973
Nevada,
E. Carson Spring
and outflow stream
in granitic area under
aspens - as in 10995
plants with slender
stems. Flowers

Mimulus tilingii Regel.
det. Noel Holmgren

Mimulus (10)

10997 - 5 July, 1973

Nye Co., Nevada.

Forming dense mats in
granitic rock crevices,
with scattered *Pinus*
flexilis on a mountain
between the cirque at
the head of Stewart
Creek, Toiyabe Mts.,
ca. 90 km. south of
Austin, Trwp. 12 N.,
R. 41 E., S. 27.
Elev. ~~just under~~ ^{ca.} 3000 m.

Selaginella watsonii Underw.

(9)

Selaginella watsonii

10998-5 July, 1973.

Wye Co., Nevada.

Wet morainal meadow
below granite cirque
at the head of Stewart
Creek, Toiyabe Mts., ca
90 ^{km} miles south of
Ely, Nev. Twp. 12 N.,
R. 12 E., S. 27 or 34
Elev. ^{ca} 3100 m.

Flowers yellow.

Ranunculus glaberrimus
Hook.

var. *ellipticus* (Greene) Greene

Ranunculus

13

10999-5 July, 1973.
Nye Co., Nev., same
place as 10998. Plants
evidently short-lived,
but at least sometimes
blooming in 2 consecu-
tive years. Petals
yellow.

Draba crassifolia R. G. Gray.
det. P. K. Holmgren

Draba,

(10)

11000 5 July, 1973

Nye Co. Nevada.

Flat, sagebrush-covered

east of Toiyah

Mts. at head of

Stewart Creek, ca

70 km. south of

Austin. Twp. 12 N.,

R. 41 E, S. 34.

Elev. ca 3200 m.

Flowers yellow.

(granitic)

Lesquerella kingii (Wats.) Wats.

var. kingii

Lesquerella

10

11001 - 5 July, 1973

Nezce Co., Nevada

Same place as 11000. Bracts
varying from achro-leu-
cous to dull purplish.

Castilleja nana Eastw.
det. Noel Holmgren

Castilleja 17

11002 5 July, 1973

Same place as 11000.

Flowers white or faintly anthocyanic.

Plants ~~common~~ abundant, but now mostly past the peak of flowering!

Style short, ca 2 mm long

Phlox Covillei E. Nels.

(? sp. distinct from *P. condensata* E. Nels.)

Phlox



11003 - 5 July, 1973.

Nye Co., Nevada.

Granitic streambanks in
canyon of west fork of
Stewart Creek, Toiyabe
Nts. ca. 90 km. south
of Austin. Twp. 12 N,
R. 41 E., S. 28. Elev.
ca 3000 m. Corolla
with yellow ~~lobes~~
tube and pink-purple
lobes. Anthers dark.

Dodecatheon sp.

van Houtte

Dodecatheon L.

6 July, 1973.
Nye Co., Nevada.

Sagebrush slope along
Stewart Creek. Toiyabe
National Monument
District, Twp. 12 N.,
R. 15 E., S. 21. Elev.
ca. 7500. Heads
yellow, with 8-17
flowers.

Crepis atrabarba Heller
var. *atrabarba*

11005. 6 July, 1973

Nye Co., Nevada.

Under scattered aspens
along east fork of
Stewart Creek, shortly
above its mouth.

Toiyabe Mts., ca.

90 km. south of

Austine, Toiyabe Nat. M.

R. 41E, S. 21, Elev.

ca. 2600 m.

Flowers blue

Delphinium andersonii

A. Gray

Delphinium

(10)

11007 - 7 July, 1973
Nye Co., Nevada.

Rocky, granitic slope
of Toiyabe Dome, north-
west side, ca. 100 km.
south of Austin

Twp. 11 N., R. 41 E., S. 10.

Elev ca 3400 m.

Plants ~~form~~ forming very
dense, flat mats among
the rocks. Flowers white
or sometimes bright
blue-lavender. Style
short, ca 2 mm long.

Phlox covillei E. Nels.

~~sp.~~ (? sp. distinct from *P.*
condensata E. Nels.)

Phlox

11008 - 7 July, 1973

Nye Co, Nevada.

Rocky granitic slopes
on and just north of
Toiyabe Dome, ca.
100 km. south of
Austin. Twp. 11 N., R.
4 E., about S. 10. Elev.

ca. ~~3200~~ 3300 m. Rays
mostly 25-40, white.

Growing with the
more ordinary form
of *E. compositus*, but
sharply distinct here.

Erigeron compositus Pursh
var. *discoideus* Gray

(3)

Erigeron compositus Gray

11009 7 July, 1973.

Nye Co., Nevada.

Rocky, granitic
slopes just north
of Toiyabe Dome, ca. 100
km. south of Austin.

Trp. 11 N., R. 41 E.,

about S. 10. Elev ca.

3300 m. Flowers white

or faintly ochroleucous,
with a yellow eye.

Maturing nutlets evidently
roughened on the back.

Cryptantha humilis

(Gray) Payson

Crescarya (3)

11010 7 July, 1973

Nye Co., Nevada.

Relatively flat,
granitic crest of the
Toiyabe Mts., shortly
north of Toiyabe Dome,
ca. 95 km. ~~south of~~
south of Austin
Traps. 12 N., R. 41 E., S. 34.
Elev. ca. 3300 m.

Rays ca. 16-20, white
to somewhat pinkish.
Achenes sparsely
glochidiate hairy.

Townsendia leptotes
(A. Gray) Osterhout

Townsendia (T)

11011 7 July, 1973.
Nye Co, Nevada.
Same place as 11010.
Petals mostly 6-8,
white.

Lewisia pygmaea (A. Gray)
Robins.

Lewisia (6)

11012-8 July, 1973

Rocky (dark ~~gray~~
porphyry) banks
along Nevada
Highway 23, ca. 12
km. north of Luning.

Elevation ca. 1700 m.

Intricately branched
shrubs mostly 3-5 dm.
tall. Perianth white

Eriogonum heermannii
Dur. + Hilg.

var. *humilius* (S. Stokes) Reveal

Chorizanthe (6)

11013 - 8 July, 1975
Mineral Co., Nevada
Sandy, gravelly
banks and wash in
porphyritic area
along Nevada highway
23, ca. 12 km. north
of Tuning.

Her. ca. 1700 m.
Hairs dis. old, yellow.

Psathyrotas annua (Nutt.)

A. Gray

34
Psathyrotas annua
Psathyrotas annua

(7)

11014 - 11 July, 1975

Nye Co., Nevada.

Rocky, granitic slopes along Pine Creek, in the canyon above the forest canopy, sagebrush-pinyon-juniper zone.

Toiyah Natl. Mts. ca 110 km. north of Tonopah.

Trp. 11 N. R. 10 S. E. 10

Elev. ca 2300 m. Plants

taprooted, with numerous stems from a branching, woody base. Flowers scarlet to orange-red.

Penstemon bridgesii A. Gray
det. Noel Holmgren.

Penstemon ^{Holmgren} (73) (15)

11015 - 11 July, 1973

Yuma Co., Nevada.

Open granite slopes
in sagebrush-juniper
juniper zone along
south fork of Pine
Creek, shortly above
its junction with
the North Fork. ~~Toquima~~
Toquima Mts. ca. 110 km
south of Austin

Twp. 11 N., R. 45 E., S. 14.
Elev. ca 2400 m. Slender
sprawling shrubs up to ca
6 dm. tall! Leaves glaucous.

Flowers pinkish.
Symphoricarpos oreophilus A. Gray
var. *utahensis* (Rydb.) A. Nels.

(Growth habit of *S. longiflorus* A. Gray
but flowers of *oreophilus*)
Symphoricarpos 7

11016 11 July, 1973.

Nye Co., Nevada. Along
Pine Creek, both above
and below the forks.

Toiyama Mts. ca. 110 km.
south of Austin, Texas.

117. R. 45 E., S. 13 and 14.

Elev. 2300-2400 m.

Heads white.

Cirsium utahense Petrak

Cirsium (8) (5) (5)

11017 11 July, 1973.

Nye Co, Nevada.

Under pinyon and
juniper, along ~~river~~
south fork of Pine Creek,
shortly above the fork.

Toiyana Mts. ca. 110 km.

south of Avestine

Twp. 11 N., R. 49 E., S. 14.

Elev. ca 2400 m.

Flowers white.

Kelloggia galioides Torr.

11018 11 July, 1973
Nye Co., Nevada. With
sagebrush, piñon,
and juniper along the
south fork of Pine
Creek, scarcely 1 km.
above its junction
with the north fork.
Toquima Mts. ca 110 km.
south of Austin. Temp.

11 N., R. 45 E., S. 14. Elev.
ca 2400 m. Perianth
segments whitish, with
pinkish-brown mid-
strip. Scapes glaucous,
somewhat fistulous.

Eriogonum elatum Dougl. ex Benth.
var. *elatum*

Eriogonum



11019 11 July, 1973

Nye Co., Nevada.

Under aspen at base of ~~Pine~~
South Fork of Pine Creek,
ca 1 km above its junction
with the ~~so~~ north fork.

Toiyama Mts. ca. 110 km
south of Austin Twp.

11 N., R. 45 E., S. 14-24.

Elev. ca. 2400 m.

Flowers rather light
blue.

Lupinus *triflorus* Dougl.
var. *pseudoparviflorus* (Rydb.)

Smith & St. John

1114

Superc

(9)

11020 12 July, 1973
Nye Co., Nevada.

Along Pine Creek, for
some distance below
the forks. Toquima Mts.

ca 110 km. south of
Austin. Twp. 11 N., R. 45
E., S. 13. Elev. ca. 2300 m.

Trees 10-15 m. tall, with
trunks up to 3-4 dm. thick.

Leaves glossy deep green above,
pale beneath. ~~Others now all~~

fallen. The cones ca 1.5 dm long,
slender, with subsessile,
3-lobed capsules.

Populus trichocarpa T. & G.

✓ (3)

Populus trichocarpa

11021 - 12 June 1973.

Nye Co., Nevada. Shady,
humus-rich, moist spot
along Pine Creek, just be-
low the falls. Toiyama
Mts. ca. 110 km. south of
Austin. Temp. 114, R. 45%,
S. 13 mm. Elev. ca 2350 m.

Plants vigorously colon-
ial. Flowers pink.

Pyrola asarifolia Michx.

(G)

11022 - 12 July, 1973.

Nye Co., Nevada. Wet, low
place along North Fork
of Pine Creek, shortly above
its junction with the
South Fork. Toquima Mts.
ca. 110 km. south of Austin.
Twp. 11 N., R. 45 E., S1 14.
Elev. ca. 2400m. Plants
forming a turf.

Carex lanuginosa Michx.

Carex

(10)

11023 - 12 July, 1973.
Nye Co., Nevada.
Same place as 11022.
Flowers light purple.

Habenaria sparsiflora
Wats.

Habenaria (4)

11024 - 12 July, 1973.

Nye Co., Nevada.

Under aspen and birch
along the North fork of
Five Creeks, scarcely 1 km.
above its junction with
the South Fork. Toquima
Mts. ca. 10 km. south of

Dustin. Twp. 12 N. R. 10 E.

S. 14. Elev. ca. 2450 m.

Stems 1-2 (-5) from a short-
lived perennial taproot.

Flowers rather light
blue.

Hackelia floribunda

(Lehm.) I. M. Johnston.

Hackelia

(9)

11025 - 13 July, 1974
Nye Co., Nevada, Toiyabe
Nats. Co. 116 km. south
of Austin. Scattered along
Pine Creek and its South
Fork, from the mouth of
the canyon (ca 2200 m.)
up to ca. 3000 m., but
mostly poststructure at
the lower elevations. Twp.
11 N., R. 45 E., S. 13, 14, ^{21,} 22, 23.
Stems solitary or few.
Flowers rich red.

Penstemon eatonii A. Gray
det. Noel Holmgren

red penstemon

(3)

13 July, 1973

Nye Co., Nevada. Open slopes toward the headwaters of the Middle Fork of Pine Creek. Toiyama Mts. ca. 110 km. south of Austin. Twp. 11 N R 45 E., S. 21. Elev. ca. 3000 m. Plants also seen down to ca. 2600 m, but there mostly prostrate. Rays ca. 34, or up to ca. 45, blue-lavender.

Erigeron clokeyi Cronq.

Erigeron ovinus 12

(10)

11027 13 July, 1973

Trujillo, Nevada

Open slopes toward
the headwaters of the
Middle Fork of Pine
Creek. To, *Quercus* *utris*,
200-100 km. south of
Arctostaphylos *sp.* 11 ft,
1.5-2.5 m. Elev. ca.
3100 m. Bracts scarlet
to purplish-red.

Castilleja dissitiflora

N. Holmg.

det. N. Holmgren

Castilleja (11)

11028 - 13 July, 1973.

Nye Co., Nevada.

Rock crevices on marginal
slope under the cirque
at the head of the ~~tributary~~

Middle Fork of Pine
Creek, Toiyabe Mts.

ca. 110 km. south of
Austin, Trwp. 11 N.,

R 45 E., S. 17. Elev. 3200 m.

Petals rather small,
yellow.

Potentilla pseudosericea
Rydb.

(Perhaps only an alpine form
of *P. pensylvanica* L.)

Potentilla (3)

11029 13 July, 1973.

Nye Co., Nevada.

Same place as 11028.

Fls white; disk
yellow.

Heuchera duranii Bacig.
(Perhaps only a phase of
H. parvifolia Nutt.)

Heuchera

(8)

(12)

230 13 July, 1973.

Nye Co., Nevada.

Fanning loose mats
1 km or more wide on
mesquite under the
canyon at the head of
the Middle Fork of Pine
Creek, Twp. 11 N., R 45 E,
S. 17. Elev. 3200 m.

Flowers blue.

Toiyune Mts. ca. 110 km,
south of Austin!

Penstemon procerus Dougl.
var. *formosus* (A. Nels.) Cronq.
det. Noel Holmgren

Penstemon procerus

(8)

(10)

11031 - 13 July, 1973

Kepecs, Nevada

Open slopes in Pines
Pinus zone near the head
of the Middle Fork of
Pine Creek, Toiyabe
Mts., ca. 110 km. south
of Austin, Twp. 11 N., R. 45
E. 17. Elev. ca. 3100 m.

Flowers rich lavender
(not blue!).

Penstemon speciosus Dougl.
ex Lindl.
det. Noel Holmgren

Penstemon speciosus

(7)

11032 13 July, 1973.

Nye Co., Nevada. Same
place as 11031. Petals
white.

Potentilla glandulosa Lindl.
var. *nevadensis* Wats.
passing to var. *pseudorupestris*
(Rydb.) Breitung

✓

P. glandulosa



11033 13 July, 1973

20. Nevada.

Same place as 11028.

Heads yellow, with
usually 8 rays.

Eriophyllum lanatum (Pursh)

Farbes

var. *integrifolium* (Hook.)

Smiley

Eriophyllum

(1)

11034 13 July, 1973

Key Co., Nevada. In
shade of aspen and limber
pine. Toward the head-
waters of the Middle
Fork of Pine Creek.

Top of mesa ca 110
m south of Austin.

Top of mesa = 5.22.

Elev. ca 2800 m. Plants
scarcely shrubby.

Flowers white.

Penstemon deustus Dougl.
ex Lindl.

var. *heterander* (T. & G.) Cronq.
det. Noel Holmgren

P. deustus (4)

~~11034~~ 11035

13 July, 1973. Nye Co., Nevada

Moist places in aspen -
- limber pine zone to
ward the headwaters of
the Middle Fork of Pine
Creek, Toiyana Mts.
ca. 110 km. south of
Austin, Twp. 11N, R. 45E
S. 21. Elev. ca. 2900 m.
Bracts orange-red.

Castilleja hybrid.

C. miniata Dougl. ex Hook

x

C. dissitiflora N. Holmg.

det. Noel Holmgren.

Castilleja miniata

11036 - 14 July, 1973

Nye Co., Nevada

With sagebrush at
edge of mahogany
woodland. ~~at~~ Dobbin
Pass, Monitor Mts.
ca. 90 km. south-
east of Austin, Twp.
13 N., R. 49 E., S. 30. Elev.
ca. 2400 m. Stems
1-several. Flowers
bright scarlet

Penstemon eatonii A. Gray
det. Noel Holmgren

Penstemon eatonii (5)

11037- 14 July, 1973.

Nye Co., Nevada.

Same place as 11032.

Rays 34-50, blue-lavender.

Erigeron clokeyi Cronq.

Erigeron annuus (2)

11038 - 14 July, 1978

Nye Co., Nevada

On granite - porphyry
cliffs overlooking

Dobbin Summit from
the ~~the~~ southwest side.

Monitor Mts. ca 90

km. southeast Austin.

Twp 13 N., R. 45 E., S. 30.

Elev. ca. 2500 m.

Intricately branched
shrubs mostly 6-10 dm
tall. ~~Fls.~~ Petals white.

Chamaebatiara

millefolium (Torr.) Maxim.

Chamaebatiara (6)

11039 14 July, 1973

Nye Co., Nevada.

Same place as 11038.

Petals yellow, tending
to be marcescent -
- persistent.

Potentilla pensylvanica L.
sens. lat.

Potentilla (3)

11040 14 July, 1973

Nye Co., Nevada.

With *Iris missouriensis* in grassy meadow along West Dabbin Creek ca 2.5 km. northwest of Dabbin Summit, Monitor Mts. ca 90 km. south east of Austin, Twp 15 N., R 48 or 49 E.

Elev. ca. 2350 m. Stem very short, but thick and succulent. Heads 6-15; sessile in a cluster, purple.

Cirsium scariosum Nutt.

(*C. tiogannum* (Congd.) Petrak.)

77.0

Christ, (10) 535

11041-15 July, 1973

Page Co., Nevada. Granite

fractured slopes overlooking
the South Fork of
Pine Creek, ca. 1 km.

northwest of the South
Summit of Mt. Jefferson.

Tahoe Mts., ca. 110 km
south of Austin.

Plants prostrate, forming
mats up to several dm.
wide. Petals small,
spatulate, yellow.

Stamens 5.

Elev. ca. 3700 m. Twp. 11

N. R. 45E., ca. S. 28.

Ivesia shockleyi Wats.

Ivesia Ⓟ

11042 - 15 July, 1973

Big Bend, Nevada. Granite,
montain area under
aspen and limber-pine,
toward the head of
the South Fork of Pine
Creek, Toiyune Mts.

ca. 110 km south of Austin,
Twp. 11 N., R. 45 E., S. 28.
Elev. ca. 2800 m.

Petal probably yellow

Draba arida C. L. Hitchc.
det. P. K. Holmgren

Draba (7)

11043 - 15 July, 1973

Nye Co, Nevada

Granite ridge crest
between the South Fork
of Pine Creek and more
westerly drainage,
ca 1 km. or less northeast
of the South Summit of

Mt. Jefferson (the same
species also growing on
the summit). Toquima Mts.
ca. 110 km. south of Austin.

Twp 11 N., R. 45 E. ca. S. 33

Elev. ca. 3300 m.

Rays mostly 25.

blue-lavender.

Eriogonum clokeyi Cronq.

Some specimens approach the more
western *E. primum* (A. Gray) Greene in
habit, but have the short, blunt
style-appendages of *E. clokeyi* (5)

11044 - 15 July, 1923

Nye Co., Nevada. Grew
on rocky, granitic north-
east slope of the South
Peak of Mt. Jefferson, not
~~far~~ below the
summit. *Trifurca* Mt.

ca 1000 m. south of
Austin. Twp. 11 N. R. 4 E.,
S. 32. Elev. ca. 3500 m.

Rays yellow, ca 13, or
sometimes up to 18.

Haplopappus aargioides
A. Gray

Haplopappus (6)

11045 - 15 July, 1973
Nye Co., Nevada.
Same place as 11044

Carex helleri Mackenzie.
Form approaching C. albionigra
Mackenzie

Carex (6)

11046 15 July, 1973

Nye Co., Nevada

places in a bed of aspen
along the South Fork
of Pine Creek, Toiyabe
Mts., ca. 110 km. south
west of Tropic, 111 N. R.
12 S., about S. 28. Elev.
ca. 2700 m. Flowers
white, with purple
keel.

Trifolium monanthum Gray

at home

(11)

11047 15 July, 1973
Nye Co., Nevada
Same place as 11644.
Petals white.

Arabis lyallii Wats. ✓

Arabis (3)

11048 15 July, 1973.

Nye Co., Nevada

Same place as 11041.

Flowers white or
~~whitish~~

Oxytropis viscida Nutt.
ex T. & G.

det. R. C. Barneby

Oxytropis - *Filicina*

(7)

11049 15 July, 1973
In., Nevada
Same place as 11041

Oxytropis parryi A. Gray

det. R. C. Barneby

Oxytropis parryi (4)

11250. 16 July, 1973.

Nye Co., Nevada.

Granitic cliffs at the
mouth of Pine Creek
Canyon, Toiyana Mts.
ca. 110 km. south of
Austin. Twp. 11 N.,
R. 45 E., S. 13. Elev. ca.
2300 m. Branching shrubs
up to ca 1.5 m tall.

Flowers white.

Chamaebatiara

millefolium (Torri.) Maxim.

Chamaebatiara (3)

11051- 18 July, 1973

Mono Co., California

With Cercocarpus and
juniper pine on open
slopes of Silverado Canyon.
Sweetwater Mts., ca 75

Mount Whitney area, Nevada

Ca. Twp. 7 N., R. 24 E.

Elev. ca 2350 m.

Herbs yellow, with ca.
13 rays

Solidago canadensis L.
var. *salebrosa* (Piper) M. E. Jones

Solidago californica (2)

11052 - 18 July, 1973

Mono Co., Calif.

granitic, gravelly
slopes ~~on~~ along

Silverado Creek.

Sweetwater Mts., ca 75

summit of Mount Carmel, Nev.

Cerro Capra - pinjun zone.

Ca. Twp. 7 N, R 24 E.

Elev. ca. 2400m.

Plants taprooted, with
numerous slender, often
basally rhizome-like

stems, forming small
open caudex. Petals

white, slightly ~~reddish~~

Arenaria nuttallii Pax

var. *fragilis* (Maguire & Holmgren)

Arenaria (3) C. L. Hitchc.

11053 18 July, 1973.

Sierra Co., California

Fairly moist spot along
Silverado Creek in
Cercocarpus zone.

Sweetwater Mts. ca 75

mi west of Hamilton, Nev.

Ca. Trip. 7 N., R. 24 E.

Sierra Co., 2400 m.

Fls. deep white; aments

in ~~Silvado~~ 71, 88, 91.

Erigeron coulteri Porter

E. coulteri (8)

11654 - 18 July, 1973,

Mono Co., Calif.

Open, gravelly,
granitic slopes in
Cerro Capra: pinyon
june in Silverado
Canyon.

~~Mt.~~ Sweetwater Mts.

ca. 10 miles west of ...
at wp. 7N, R. 24E.

... 4000m.

Plants forming mats
... wide from
... to ...

...
beginning to bloom. ...
Eriogonum wrightii Torr.

var. scapesum Wats.

ex Benth.

Eriogonum

11055-18 July 1975

Mono Co., Calif.

Barren, gravelly, granitic slopes in Cercocarpus-pinyon zone in Silverado Canyon. S. 275 km. west of Hawthorne, Nev.

Ca. Twp. 7 N., R. 24 E.

Elev. ca. 7400 m.

Plants taprooted.

Herbage glaucous.

Asclepias cryptoceras Wats.



Asclep. cryptoceras (8)

11056 - 18 July, 1923
Mono Co., Calif.

Open, granitic slopes
in *Yucca* - piñon
zone in Silverado Canyon,
Sweetwater Mts. 2475
m. west of Lone Pine, Calif.

ca. Twp. 7 N., R. 24 E.

Elev. ca. 2400 m.

Stems several, loosely
ascending from a
tuber. Flowers
pale lavender.

Phacelia ramosissima Dougl.

Phacelia (4)

11057 - 18 July, 1973
Mono Co., Calif.
Same place as 11056.
Plants probably
spreading by creeping
roots. Flowers 5,
bright pink.

Stephanomeria tenuifolia ✓
(Torr.) H. M. Hall

Stephanomeria (7)

11058 - 18 July, 1923

Plano Co., Calif.

Open, rocky or gravelly
granite slopes in
Cercocarpus zone in
Silverado Canyon.

Sweetwater Mts., ca. 75

miles west of Hawthorne Nev.

ca. Trop. T.M., R. 24E.

Elev. ca. 2500 m.

Plants taprooted with
numerous slender stems

from a commonly much
branched, somewhat caudex
base. Flowers bright lavender.

Plants strongly adpressed

Monardella odoratissima Benth.

var. *pallida* (Hetter)

Monardella (U) 653

11059 - 19 July, 1928

Mendoc. Calif.

With scattered limber pine
and Juniper pine on
granuliferous slopes
overlooking Silverado Canyon
to the northwest.

Sweetwater Mts. ca. 73
km west of Hamilton.

ca. Top 7 N. R 24 2

ca. 2900 m.

Common blue to blue-lavender.
Veronica glauca

Penstemon speciosus

Dougl. ex Lindl.

det. Noel Holmgren

Penstemon

(2)

11060 - 19 July, 1973

Mono Co., Calif. with

scattered birch, pine and
lodgepole - pine on

granitic slopes

west of crest of the ridge

between Silverado Canyon

and Sweetwater Canyon.

Sweetwater Mts., Ca. 75 km

west of Mount Mono, Mono Co.

Elev. ca. 2900 m. ca. Twp.

7 N., R. 24 E.

Stems clustered and prostrate
Taproot. Flowers blue.

Lupinus caudatus Kell.

- *Lupinus* (8) ✓

11061 19 July, 1973

Mono Co., Calif.

Open, gravelly, rhyolitic
ridge crest between
Silverado Canyon and
Sweetwater Canyon. Sweet-
water Mts. ca. 75 km.
west of Hawthorne, Nevada,
ca. Twp. 7 N., R. 74 E.

lev. ca. 3000 m. Heads yellow,
with mostly 8 involucral
bracts.

Saillardella argentea

----- A. Gray

8:1

Raillardella (2)

11062 - 19 July, 1973

Mono 3. Calif. Same

place as 11061. Bracts

green or faintly anthocyanic, often whitish-margined.

Castilleja nana Eastw.

det. Noel Holmgren

Castilleja (5)

11063 - 19 July, 1973

Mosses in ~~open~~ Open,

gravelly, rhyolitic slopes
just under the crest of the
ridge between Silverado
Springs and Sweetwater
Canyon, on the Silverado side,
Sweetwater Mts., ca. ~~75~~ 75
km. west of Hawthorne, Nevada

ca. Twp. 7 N., R. 24 E.

alt. ca. 3000 m.

Herbage g. anemous.

Cymopterus ciliaris A. Gray

Cymopterus (3)

11064 - 19 July, 1973
Mono Co. Calif.

Same place as 11063.
Plants fairly abundant,
but mostly post-mature.
Ray yellow. ca 8-13.

Senecio werneriaefolius
A. Gray

Senecio werner (4)

11065 - 19 July, 1978.

Sierra Nevada, California.

Open, gravelly, loose,
talus-like, rhyolitic
slopes near the crest of the
ridge between Silverado
Canyon and Sweetwater
Canyon, on the Sweetwater
Canyon side. Sweetwater Mts.
ca. 7.5 km. west of Hawthorne,
Nevada. ca. Twp. 7 N.,
R. 24 E.

Herb. ca 3000m. Plants some-
what succulent. Heads yellow,
with usually 8-13 rays.

Senecio pattersonensis Hoover

Sen. pattersonii (10)

11066-19 July, 1973. Mono
Co. Calif. Open, gravelly,
rhyolitic ridge crest
between Silverado Canyon
and Sweetwater Canyon,
Sweetwater Mts. ca 75
km. west of Hawthorn,
Nevada. ~~Twp.~~ ca Twp.
7N., R. 24E. Elev. ca 3000 m.
Days ca. 28-42. Blue violet.

Erigeron pygmaeus (A. Gray)
Greene

Erigeron

(11)

11067 19 July, 1973.
Mono Co., Calif.
Same place as 11063.

Draba densifolia Nutt.

ex T. & G.

det. P. K. Holmgren

Draba (12)

11068 - 19 July, 1973.

Mano Co., Calif

Same place as 11066.
Heads yellow, with
ca. 8-13 rays.

Hymenoxys cooperi (A. Gray)
Ckll.

VAR. *CANESCENS* (D.C. Eat.) ✓
Parker

11069 - 19 July, 1973
Mono Co., Calif. Open,
gravelly - rhyolite crest
~~at~~ end slope of ridge be-
tween Silverado Canyon
and Sweetwater Canyon.
Sweetwater Mts., ca 75
km. west of Hawthorne, Nev.,
~~Trump~~ Ca. Twp. 7 N., R. 24 E.,
Elev. ca. 3000 m.

Plants forming loose,
open mats up to several
dm. wide. Flowers bright
rather light yellow.

Eriogonum roseense
M. S. + Kennedy

Eriogonum (7)

11070 - 19 July, 1973.

Mono Co., Calif.

Same place as 11066.

Growing with #11066,
E. pygmaeus (A. Gray) Greene,
~~and *Erigeron* sp. *oblongifolius*~~
~~distinct~~ but

more and more like
developed caudex,
leaves. Not sharply distinct
on habit alone, but with
consistency of habit and
shorter style appendages

Erigeron clokeyi Cronq.

Larger dairy (3)

11071 19 July 1973

Mono Co., Nevada.

Phryganeid. gravelly slopes
overlooking the Silverado
Canyon from the northwest.
Sweetwater Mts. ca. 75 km
west of Hawthorne, Nev.
~~Trwp.~~ ca. Twp. 7N., R.
24E. Elev. 2900-3000

m. Erect, slender trees
to 10-15 m. ~~high~~ high,
not seeming to attain any
great age. Growing
with *P. flexilis*!

Pinus contorta Dougl. ex Loud.
var. *murrayana* (Balf.) Engelm.

Perini (2) 23





28-45 rays

200mm - slightly

Senesio

Eradip

Hypomnety - same.

W. Coast California
 If you have a chance
~~to~~ east part of forest -
 waterfalls. Pass 2-4
 dm. ~~allegedly~~
 sides. There are arching
 crest, to 6-8 dm, 2-3-
 headed

256 m. N. 12. 10. 10
 2.4 10 m. 10. 10. 10
 2. 10. 10. 10. 10
 way 75. 88. 10

July 7 - Aug 12

Hukahi 38 $\frac{1}{2}$

927.50

563.35

Per Brinck

~~Sum. ...~~

~~...~~

429.

73

35

83
 59
 91

813-446-7161
 on 221 W. Williams
 Bearwood
 Early State University
 Department of F. Ca.
 Oct 15

White Phostman 2800 m.
 3100 m.
 3200 m.
 3200 m.
 Castilleja 3050 m.

49.8 Poles pit
 92.2 pit

... ..

 3500 m.
 3000 m.

5759
118

101
118
119

4

3115

384 1397

2150

Pluviosa 10.500 107
6-? petals 3
32!

115
3

345

Hijos
3
3

9400 feet - 1st stop

9700 feet - 2nd stop

9700 feet Analysis

280

280

9700 feet ~~Analysis~~

1

Austin 76310.2
66.0 Columbus

T 12 H. R. 41 E. S. 21
8300

76310
3
25950

2600

56000

11012, 13' ~~5600~~ 5600'
464.7' $\frac{3}{168}$

dark porphyry
sandy-gravelly wash
Atreplex - fycum

8 x 16
5

Jct 44 52.6

63

Pass by 64.5

Little Antelope Summit, 190.0

Enter

Eureka Co ~~72~~ 16.0

Mid-Eureka 26.5

Junction 51 30.0

Enter
Lander Co. 65.2

Rd to Petroglyphs 73.5

out of " 75.3

Scott Summit, 93.8

$$\begin{array}{r} 77 \\ 3 \\ \hline 2160 \end{array}$$

$$\begin{array}{r} \rightarrow \\ 76 \\ 3 \\ \hline 228 \end{array}$$

$$\begin{array}{r} 75 \\ 3 \\ \hline 225 \end{array}$$

