$5.00 REWARD
for return to
Dr. Arthur Cronquist
New York Botanical Garden
Bronx Park
New York 58, N.Y.
9:31 - June 17, 1901. Colquicht + Noel Holmgren Open, rocky, granite slopes toward the head of the left fork of Bull Creek; Henry, about 23 miles south of Huntsville, Garfield Co., Utah. Tmns. 31S. R. 10E. Elevation about 9,500 feet. Flowers white, with a purple spot on the heel.

Aster

Oxytropis sericea Nutt.

Det. R. C. Barnes
9305 - June 17, 1961 Cranquist + Noel Vining, Ann With
Scattered Douglas fir on middle between Bull Creek and Crescent Creek, granite and sandstone rock; Henry Mts., about 25 miles south of Hanksville, Garfield Co., Utah, Tmps. 315, P. 10E.
Elevation about 10,000 feet. Flowers white.

Arenaria kingii (Wats.) Jones
ssp. plateauensis Magazine
9305 - June 18, 1961 - Found near + Joel H. Mengen. Rocky, granitic south slope on Mt. Elbert, just under the summit of Lower Mt., 20 miles south of Hinkerville, Garfield Co., Utah. Twp. 31S, R.10E. Elevation 11,500 ft. stems prostrate or nearly so; flowers yellow. Common for some distance southwards along the crest of the mountains.

Potentilla saximontana Rydb.

Trifolium lasiophyllum
Torr.
June 18, 1961.

Conquest; Neil Holmgren.

With aspen and fir in a little
valley not far below the
crest of the mountains, several
miles southeast of Mt. Ellen
Henry Mts., 25 miles south
of Hanksville, Garfield Co.,
Utah. Traps 31 S. R. 10 E.
Elevation about 10,000 feet.
Low, sprawling shrub about
0.5 m. tall. Petiole dull
reddish-purple toward the
center, paler and nondescrpt
onward the margins.

R. montigenum McC. Clatchie

R. 5 [Evidence of a checkmark]

Allium geyeri S. Wats.
dep. det. Marian Arndt
June 19, 1901 - Open, gravelly (shaly) ridge top on the east slope of the Henry Mts., between Mt. Ellen and Mt. Pennell, 30 miles south of Hanksville, Garfield Co., Utah. Elevation about 9,000 feet.

Cranquitt & Neil Holmgren.

Flowers orange, red.

_Sphaeralcea coccinea_ (Punct.) Rydb.

_Sphaeralcea_ (15)

Fonatium nevadense (Wats.) Coult. & Rose
525. Elevation 4000m.

Lesquereüella wardii Wats.

Wardii
9313. June 20, 1961. Caught 1
Noël Holmgren that got a pic in
Black Canyon, on the north
side of Mt. Pennell; lousy
Mts., 40 miles south of
Hanksville, Garfield Co., Utah.
Twp. 32S., R. 10E, S. 26. Elevation
about 7800 ft. Petals white.

Heuchera parvifolia Nutt.
var. flavescens (Rydb.) R. B. S.

Ribes leptanthum Gray

Phoradendron juniperinum Engelm.
9316 - June 20, 1901, Canterbury
and North Nebraska. Very sandy
soil in North Wash, near the
upper end, about 30 miles
South of Hanksville,
Garfield Co., Utah.
Elevation 4500 feet.
Corolla papery, white.

Heliotropium convolvulaceum
(Nutt.) Gray

white annual (31)
9317- June 30, 1961 - Cranquist & Nell Holmgren. Along the 
banks of the Colorado River, 
at the base of the cliffs, 
fairly well above the water; 
just below the mouth of 
North Wash, about 5 miles 
north of Hite and nearly 50 
miles south of Hanksville, 
Garfield Co., Utah. Twp. 34S, 
R. 14E. Elevation 3570 feet 
Heads purpleish. Shoot 1-2 m. tall.

Pluchea sericea (Nutt.) Coville
93/18: June 20, 1911. Conquirt with Nath Halmojen. Along the banks of the Colorado River, a mile above Hite and about 50 miles south of Hanksville, Garfield Co., Utah, Twp. 34 S., R. 13 E., S. 25. Elevation 3,500 feet. Shrub about 3 m. tall; flowers whiteish. No staminate plants seen.

Baccharis Glutinosa Pers.
9 319 - June 21, 1961
Crescent
Sandy soil in North Wash, a mile above the Colorado River, about 45 miles south of Hanksville, Garfield Co., Utah, Twp. 34 S., R. 13 or 14 E. Elevation 3600 feet. Herbage glaucus. Flowers mostly 6, pink.

Stephanomeria estigia Nutt.

Stephanomeria (})
Town. 34S, R. 13 or 14 E. Elevation 3600 feet.

Euphorbia parviflora Engelm.

As the desert.

A single colony, perhaps a single clone, the plants apparently spreading by creeping roots? Heads yellow, with about 8 rays, these now mostly post-mature. Leaves gray-powdery.

Bakia. Apparently an undescribed species related to B. medicans.
9322 - June 22, 1961
Craignurth & Noel Holman
With T. Bigelow in wet, highly alkaline scrub along
the highway 2 miles south of Castle Dale, Emery Co.,
Utah. Twp. 19 S., R. 8 E.
Herbage strongly glaucous;
flowers yellow.
Elevation about 5700 ft.

Crepis runcinata (James) T. & G.
var. glauca (Nutt.) Bace. & Bell.

Sevier Co., Utah.

Astragalus drummondii Doug.

Det. R. C. Barnaby

Bustinia watsoni Gray
9325 - June 22, 1961 - Cranquah
2 Neah Kalskum, Linn place
9325, Flowers brownish green.
lingle - stemmed perennial.

Eriogonum alatum Torr.
1 Neil Tingley. Location
as (=? 2) Open, rocky slope
between aspen groves on
Thousand Lake Mountain at
Elkhorn Ranger Station, 15
miles east of Fremont, Wayne
Elevation 9900 feet. Abundant.
Weeds, yellow, occasionally
becoming somewhat reddish-
brown in age. Growing with
the much less abundant E. fremius
var. condensatus (H-9327), and looking
very much like it except for the
absence of sap. No intermediate seen.

Erigonon aphanastis (Gray) Hey
var. congestus (Hey) Hey
Erigonon aphanastis
9327. June 22, 1961. Same place as 9326. Rays white or nearly so. Sparingly scattered among the much more abundant plants of E. applanatus var. Canegastus (#9326), and looking very much like them except for the presence of rays. No intermediates seen.

Erigeron pumilus Mutt. 
ssp. Concinnissides Cronq. 
var. Condensatus (Eat.) Cronq.

Senecio multilobatus T.F.G.
Seneio multilobatus


*Erigeron* eatonii Gray

var. *eatonii*
1830 - June 23, 1761
Cruquius & Noel Holmgren
Same place as 9326. Growing
with A. roica, but remaining
distinct. Both species with
white-broasted and pink-broasted
flowers here. No stamineate plants
seen.

Antennaria parvifolia Nutt.

Antennaria rosea Greene

Oxytropis viscidula Nutt.

det. R. C. Bancky
9333 - June 23, 1961
Cronquist & Noel Holmgren
Same place as 9326. Petals white or nearly so, with some reddish lines.

Geranium fremintii Tanou
9334 - June 23, 1961
Cranquist & Molybdenum
Tapes of sticky mallets,
between aspen groves.
Elevation 10,000 feet. Bracts vermilion to scarlet.

Castilleja linariaefolia Benth.
dry. det. Marian Schumley

Castilleja
Rays blue - lavender.
Savannah as 9326

Erigeron caespitosus Nutt.
933 C - Cranquist & Neil
Holmgren - June 23, 1961
Same place as 932 C. No stamineate plants seen.

Antennaria rosulata Rydbr.
1937 - June 23, 961
Cortquist & Noel Holmgren
Same place as 9326.
Elevation 10,000 feet.
Herbage glorious. Petals lavender.

Arabis discricarpa A. Nels.
June 23, 1961
Grow quiet! Noel Holmgren
Same place as 7326. Elevation
10,000 feet.

Arabis pendulina Greene

low Arabis 4
9339 - June 23, 1901
Craneorst & Noël Roberton
Same place as 9326, Elevation 10,000 feet. Herbage glaucous; petals pale lavender, almost white.

Arabis Drummondii Gray
Cronquist & Noel Holmgren.
Edge of water along small stream a little below Deep Creek Lake; Thousand Lake Mountain, 18 miles east of Foremost, Wayne Co., Utah. Tugs. 27S., R. 4E., S. 27. Elevation 10,500 feet. Flowers pinkish.

Epilobium hornemannii

Reichb.

Epilobium alpinum L.
var. mutans (Hornem.) Hook.

(= E. hornemannii)

Saxifraga rhomboides Greene

Saxifraga 15

Sambucus racemosa L.
var. microbotrys (Pychi.) Kearney & Peebles
Twp. 27S., R. 4E., S. 27. Elevation 10,500 feet. Flowers yellow.

*stenoloba*

Draba stenoloba Se delivered by var. nana (Schulz) C.I. Hetch.

Wood sia scopulina D. C. Est.
9345. June 24, 1961 - Cranquist
Noel Holmgren - Openings in
blue spruce forest on the flat
top of Thousand Lake Mountain,
est of Fremont, Wayne Co., Utah.
Twp. 27S., R. 4E., S. 21. Elevation
11,100 feet. Plants mildly
mephitic, stems mostly solitary
or 2 or 3 together, seldom
more clustered. Flowers blue.

Polemonium viscosum Nutt.
July 4, 1911
21 June 2 41, 1911
Carpenter + Noel Holmgren
Dry meadow in blue spruce
woods on the flat top of
Thousand Lake Mountain,
est of Fremont, Wayne Co.,
Elevation 11,100 feet. Growing
with Potentilla heterophylla
(No. 9347) and apparently
intergrading to some extent
with it, but the leaves more
pinnate than in the latter
and not glaucous.

Potentilla perdisecta Rydb.
Potentilla perdisecta Rydb.
Potentilla denticulata Linn.
var. perdisecta (Rydb.) C.S. Hitchc.
9347, June 3-4, 1861 - Cronquist & Noel Robinson - Sampleras 9346.

P. lucasta

P. pendisecta

Growing with P. dierensifolia

folia var. dierensifolia (#9346),

and apparently intergrading to some extent with it, but

the leaves glaucous and more

salvate than in the latter.

P. dierensifolia var. pendisecta

Potentilla pendisecta Rydb.

Potentilla dierensifolia Lehm.

var. glaucophylla Lehm.
9348 - June 24, 1919
Conquest of Wall Holmgren
Same place as 9346. Petals
white or pinkish, often with
some more definitely pink
lines
(mostly 6 or 7, occasionally
5 or 8)

Senecio pycnacca (Gray) Robinson

Senecio
93 49 - June 24, 1761 - Conquest
+ Noel Holmigen - Same place as 93 46. Plants at least sometimes taper-tipped, but also spreading freely below ground and becoming colonial; the individual clumps rather small; flowers white or sometimes very faintly tinged with lavender.

Phlox pulvinata (Wherry) Cronq.
(= P. caespitosa, misapplied)

Phlox
June 24, 1951

Collected at Null Robinson - same place as 9346. Plants tufted, without creeping rhizomes.

Casey Clinoides Holm

[Signature and number]

Potentilla concinna Sehnh.
var. concinna
2352 – June 24, 1961
Craignest & Mall
Same place as 2351.
Flowers (now postmature) apparently blue.

Synthiais laciniosa Gray
1953 - June 4, 1967
Elevation 11,100 feet

Valeriana edulis Nutt.
var. edulis

Valeriana altf. edulis 10
June 24, 1961

Querent 1 W. H. Robinson.

In pearly volcanic scoriae in openings in blue spruce woods on the flat top of Thousand Lake Mountain, east of Fremont, Wayne Co., Utah; T. rup. 275, R. 4 E, S. 21 or 28. Elevation 11,100 feet. Plants just beginning to bloom. Flowers blue.

Penstemon procumbens DCNEGL.

var. aberrans (Jones) A. Mck.

Penstemon ssp procumbens 4
9355 - June 24 1961. Bronquist & Noel Holmgren. Openings in blue spruce forest on the
Only a few plants seen. Flowers yellow.

Diem rossii (R. Br.) Ser.
var. terolatum (Rydbe.) Ch. L. Hitchc.
June 25, 1967 - Ceanothus fendleri Gray

Noel Holmgren. Under scattered ponderosa pines on the northeast slope of the Aquarius Plateau, 16 miles southeast of Torrey, just north of the Garfield Co. line, Wayne Co., Utah. Tups. 30 S., R. 5 E., S.S.E. Elevation 8600 feet. Low, spreading shrub, rising only 1 or 2 dm. above the ground. Flowers white or faintly pinkish.
roughly taproot and branched
caudex. Flowers bright yellow.
Basal leaf-sheaths producing
a bright red dye.

Lithospermum multiflorum
Torr

Lithospermum (B)
9358 - June 25, 1961: Cronquist


Lupinus sericeus Pursh

Corallo-thiza maculata Raf.
June 25, 1961 - 23rd day
Openings in aspen on small ridge along Wildcat Creek, half a mile above the Wildcat Ranger Station, east side of the Aquarius Plateau, 20 miles south of Torrey, Garfield Co., Utah.
Twp. 31S, R. 5E. Elevation 8,800 feet.

Carex obtusata Lili.
Apparently new to Utah.
1936 - June 25, 1961 - Cragnovit and Noel Holmgren - Open places in the ponderosa pine zone near Pleasant Creek, east slope of the Aquarius Plateau, 21 miles south of Torrey, Garfield Co., Utah. Twp. 31S., R. 5E.
Elevation 8600 feet. Herbage flammeus. Cyathia somewhat orange.

Euphorbia lucida Engelmann.
1362  June 25, 1961

Cranquist & Noel Holmgren
Same place as 9361

Carex praegracilis W. Boott

Penstemon pachyphyllus Gray, sens. lat.
9364 - June 25, 1961
Same place as 9363. Flowers yellow

Hyemenopappus filifolius 100c. var. cinereus (Pyll.) Johnston.
Cryptantha capitata (Easter) Johnst.
A wide-leaved, perhaps variately distinct phase.
6 June 25, 1981
Cronquist & Noel Holmgren,
same place as 9363. Stems
rather widely ascending,
clustered and stout at root
and branching candelabrous.
Flowers white.

Astragalus tenellus Pursh
det. R.C. Barneby
Astragalus castaneiformis
var. constriatus Barnesby
det. R. C Barnsby

9367 - June 25, 1961. [Signature]
Noel Holmgren. Same place as 9368.
9368 - June 27, 1961
Crassigrostis welshiana
Moist sandy soil along small stream in wash just below Kane Springs, about 15 miles south of Moab, San Juan Co., Utah. Twp. 28 S., R. 22 E., S1.
Elevation 5000 feet.
Herbage somewhat glaucous.
Flowers lavender-pink.

Centaurium eraltatum (Frisch.) Wight
Equuleus 4

9367 - June 27, 1961 Cranquist

& Noel Holmberg
tameplace as 9368.

Scipio nevadensis Wats.
June 27, 1961 - Braunsrett & Noël Holmgren
Wet soil along small stream
in wash just below Kane
Springs, about 15 miles
south of Moab, San Juan Co.,
Utah. Twp. 28 S., R. 22 E., S.I.
Elevation 5000 feet
Stems rounded-triangular.
Leaves deeply channelled on the
upper side.

Scirpus americanus Pers.
9371 - June 27, 1961 - Cranquest
d Neil Holmberg. Same place
as 9370.

Juncus articulatus L.
dupl. det. by F. J. Hermann

Cryptantha pustulosa (Rydal.) Payz.
June 27, 1961.

Crouchert & Noel Holmgren sanded soil
in Arch Canyon, a little above where
it opens into Comb Wash, 18 miles
southwest of Blanding. San Juan
Elevation 5100 feet. Heritage
Glencoe, Navajo County.

Thelesperma megapotamicum
(Erreng.) Kunze
G374 - June 27, 1961
Evanquist & Noel Holmgren
Samplaccas 9373.

Galium coloradoense Wight
*Salvia multiflora*

9375 - June 27, 1961.
Frankfort + Joel Brinigren
Same places 9373. Herbage
slightly glaucous; flowers yellow.

*Linum aristatum* Engelm.
1976 - June 27, 1961
Cranquist & Neil Holmgren
Sample: 4373. Stems solitary
or few together. Heads narrow, pink, reddish-purple.

Cissium pubellum (Greene)
Wust & Standl.
Thistle
3377 - June 27, 1961, Cranquit
Sampled as 9323
Look about 2m tall.

Rhamnus betulaefolia Greene

25
9378 - June 28, 1961 Conquist
2 H. B. Holmgren. With
scattered junipers in sandy
soil on bench overlooking
Comb Wash, at the foot of
Comb Reef, opposite Arch
Canyon, 15 miles southwest
of Blanding, San Juan Co., Utah
Elevation 5000 feet
Flowers pale blue-lavender

Ericastrum xeromeron (2x1)

Silicium pumila Nutt.

[Signature]
*Eriastrum* (3)
93 79 - June 28, 1961 Conquist
Noel Holmgren - Sandy soil
in Arch Canyon, where it opens
into Comb Wash. 15 miles
southwest of Blanding,
San Juan Co., Utah. Twp. 37S,
Stems clustered on a taproot
and branching candel. Leaves
slightly glaucous; flowers
bright red.

*Penstemon bridgesii* Gray

red*Penstemon* (8)
June 28, 1961 - Cronquist and Noël Holmgren. Sandy soil along the roadside, 2½ miles west of Frey Canyon, and about 60 miles west of Blanding, San Juan Co., Utah. About Tug. 365. Semi shrub 4-8 dm. Tall. Heads yellow, with about 6 rays and R. 165.

Senecio longilosbus Bentham.
B3E1 - June 28, 1961

Collected at Noel Holmgren - sandy soil in
pine-juniper woodland
about 5 miles southwest of the
Bear's Ears, and about 25 airline
miles west of Blanding, San
Juan Co., Utah. T. ceps. 378,
R. 18E, Shts. 3. Elevation
about 6900 feet. Heritage
glabrous, Corolla pale bluish.

Penstemon camaronensis Gray
9382 - June 28, 1961 - Cranquilt :
Neil Holmgren - Læmiglen
as 9381 - Læminglen, art glænæse.

Cymopterus purpureus
Wats.

Cymopterus®
Cynopterus

9333 - June 29, 1861 - encountered at Holingren. In any catch- basin behind small dam across a small drainage channel on the ridge tops at Maurice Point, about 5 miles northwest of the Bear's Ear, and about 25 airline miles west of Blanding, San Juan Co., Utah. Approximately Trips. 365, R. 183, S. 34. Elevation 7,500 feet. Flowers white.

Nicotiana attenuata Torr.
9384 - June 29, 1961 - Cranquist

+ Noel Holmgren. Meadow-like

north slope just north of

larger of the two Bales Ears,

about 31 airline miles west of

Blanding, San Juan Co., Utah.

T r u n s 36 S, R. 19 E, about S 30.

Elevation 8400 feet. Trees

mostly solitary, occasionally

2 or 3. Flowers blue.

Pusttenen strictus Both.
P. Justimen (12)

9.385 - June 27, 196?- Cranquist
+ Noll/ Holmgren - Same place
Flowers white.

Ceanothus congesta Nutt.
var. congesta
9382 - June 29, 1961
Croquet & Noel Holmgren
Same place as 9384.
Flowers yellow.

Pseudocymopterus
 montanus (Gray) Coulter & Rose
yellow untill


Shrubs 6-12 dm. tall. Flowers light pink to deep pink, usually rather small, as in R. mutchins, but occasionally larger, as in R. mutchins. Leaves pale beneath, varying from singly and non-glandularly toothed to occasionally doubly toothed, with the teeth gland-tipped.

Hybrid swarm: Rosa manca Isele x R. mutchins var. hispida Fern.
938E - June 29, 1961

Franquen

Noll Holmgren. (Lam.) place as 938E. Stems clustered on a stout, woody taproot and branching canes. Flowers blue.

(underlined)

Plants mildly anethetic.

 Polemonium foliosissimum

Gray
Palenonium. 12
1889 June 30, 1861, encountered
Noel Holmgren in oakbrush
land at last fort of Abij
Mts., 5 miles west of Monti-
cello, San Juan Co., Utah.
Twp. 335 R. 23 E., S. 31. Elevation
8400 feet. Plants mildly
mephitic, stems several on
a taproot which may be sur-
mounted by a branching
caudex. Flowers blue.

Palenonium foliosissimum
Gray
9390  June 30, 1961
Cronquist & Noel Holmgren
Small opening in oakbrush forest at the base of the Abajo Mts., 5 miles west of Monticello, San Juan Co., Utah.

Potentilla pulcherrima Lehmann.
9391 - June 30, 1961 - Croquet+
+ Noel Holmgren same place as
9389. Flower pink-purple.

Vicia americana Muhl.
June 30, 1961

Cranquist + Mack Holmgren
Same plan as 93-90.

Carey Egglestonii Mack.
1939 - June 3, 1941
Cranequist + Neil Holmes
Lamb pia as 19389. Plants forming large dense tufts.

Festuca Threlkild Vesey
9-3-95 - July 1, 1961
Crown violets
at Noel Holmgren. Sparse woods on northeast-facing slope above North Creek Pass; Abajo Mts. 9 miles west of Monticello, San Juan Co., Utah.

Polemonium pulcherrimum
Hook. var. delicaturn (Rydb.)
Cronq.
1396 - July 1, 1961
Cranquist & Noel Holmgren,
same place as 9395. Flowers
white, with purple lines
and a yellow center.

Viola canadensis.
Viola canadensis 13

9 397 - July 1, 1961 - July 1, 1961
Craquiset & Neil Hocking

Open east slope, in spruce fir
zone, overlooking the head of
North Creek, above North Creek
Pass, Abajo Mts. 9 miles west
of Monticello, San Juan Co.,
Utah. TR. 345. R. 22E., about
5.2. Location 10.300 feet

Helianthella quinquennensis
(Hook.) Gray

Helianthella gnanowiczii
9398 - July 1, 1961 Cranmer and Noel Harington. Same place as 9397. Heads yellow, with 7-13 rays.

Senecio neomexicanus Gray
Vicia americana Willd.
July 1, 1961. Conquist d Noel Holmgren. Same place as 19375. Sepals and petals white, the petals trifid.

Mitella stenopetala Piper

Mitella stauropetala Piper var. stenopetala (Piper) Rosendahl
July 1, 1901. Open, gravelly
southwest slope in aspen zone
half a mile northwest of
the Great Basin Abajo Mts.
10 miles west of Martinez
San Juan Co., Utah. Tugs. 345
R. 22 E., about S. E. Elevations
10,000 feet. Temperature
The dew of extreme.

Polomanium foliosissimum
Gray
1902 - July 1, 1931, Crouquist and Noel Holmgren. Seepage areas and edge of stream, along Indian Creek, Abajo Mts., 13 miles west of Monticello, San Juan Co., Utah. Twp. 34 S., R. 22 E. Elevation 9100 feet, flowers white.

Cardamine infausta Greene
Cardamine infrausta
7403 - July 1, 1961 - Conquest + Noel Holmgren - Shady places along Indian Creek, Abajo Mts., 13 miles west of Monticello, San Juan Co., Utah. Twp. 34 S., R. 32 E. Elevation 9100 feet. Petals white or nearly so, with purplish lines.

Geranium richardsonii Fisch. + Trautv.

Geranium
7/10/04 - July 1, 1904. Conquered Noel Kelmer. Open spruce woods along Indian Creek, also jumps 13 miles west of Monticello, San Juan Co., Utah. Twp. 3 S., R. 22 E. Elevation 9,000 feet. Corolla very dark red-purple, appearing almost blackish-purple in the shade, the reddish color more evident by bright transmitted light.

Penstemon whippleanus var

Penstemon 14
July 1, 1961 - Aspen

Gravelly slopes on Jackson Ridge, at summit between Indian Creek and Johnson Creek; Abajo Mts. 14 miles west of Monticello, San Juan Co., Utah.


Penstemon strictus Bentz.
July 1, 1961 Croquezot + Noel Holmgren – Open, grassy slope, between aspen groves, on the side of Jackson Ridge, above Indian Creek, Aliso Mts. 14 miles west of Monticello, San Juan Co., Utah. Twp. 34 S., R. 22 E. Elevation 9600 feet. Flowers dull whitish.

Phacelia heterophylla Pursh
9407 - July 1, 1961

Crescent

Noel Holmgren - Pearly

Shaded places along

North Creek; Ahajo Mts.

5 miles west of Monticello,
San Juan Co, Utah, Twp. 33 or
3 45, R. 32 E. Elevation 9600
feet. Flowers dull whiteish.

Hydrophyllum fendleri (Gray)

Heller

var. fendleri

Hydrophyllum fendleri