Ask for No. 354

"ANOTHER MAPLE LEAF PRODUCT"
Property of

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

Please return
7855 - June 22, 1955

In rather open Thuja-Pseudotsuga forest near Rose Creek on about
Cedarwater Mt., 8 miles

dry forest near round rock east
of Lowell, Clearwater Co., Idaho.
Twp. 33 N., R. 7 E., S. 2. Elev.
about 5000 feet. Common

near the upper limits of the
Thuja-Pseudotsuga forest only
not seen lower down. Conifers
rooted with deep bluish
much paler background, the

lobes strongly lanceolate
Old leaves tending to be
persistent and prostrate;
leaves of the Fraser more
Synthyris platycarpa Sail. & Porrnell
(Perhaps only a phase of S. schlumbergera)

Synthyris platycarpa

786 - June 23, 1955
In open Thuja Pseudotsuga forest about 8 miles by forest road east of Tunell. Clearwater Co.
Johns Twp. 33 N., R. 7 E., S. 2.
Elev. about 5000. Perianth snow-white, the petals tipped
Mitella stauropetala Piper

7857 - June 22, 1935
Same place as 7856. Vegetative plants common; only 3 fruiting specimens, and no flowering specimens. Ten carpels open at the tips before maturity.

Coptis occidentalis (Mutt.) T.J. Griff.
7858  June 23, 1955

near-Packstuga
forest on ridge 3
miles southwest of
top of Wadly Mt.,

nearowell Clear
wuster Co., Idaho. Tups.
3 3 N., R 7 E., S. 8.

about 5000 feet.

Points with a stout
rather soft b

home which may be

inated into a

branching canal,

according

itary or distinctly
Flowers pure white, with a bent tuple and notating spreading leaves. Fornices prominent.

Dasynotus daubennmrei Johnston

7859 - June 26, 1955

Weed on loose, gravelly roadside bank 3 miles northwest of Superior, Mineral Co., Mont.

Plants up to m. tall, glaucous, turgid, with solitary or clustered stem. Petals white, deeply bifid.
lilene cernulalis Wibel.
Note scarcely inflated, firm-textured calyxes and an
nudc or biennial taproot.
Lilene det. Bayne, Wm. G.

Saw, gravelly roadside
bank, 3 mile northeast
of Superior, Mineral Co.,
Mont.
Flowers blue

Penstemon albertinus Greene
det. O.O. Keph

Penstemon

In rather moist, mixed coniferous woods along north side of Holland Lake, 50 miles northeast of Missoula, Missoula Co., Mont. Tugs. 70 N., R. 16 W., S 35. Elevation about 6,800 feet. Extreme plants have the upper surface of the leaves essentially glabrous from the first, thus resembling or duplicating var. harvelli.

Antennaria neglecta Greene var. attenuata (Fern.) Craig.
7B2 - June 27, 1955
In rather moist, mixed coniferous woods along north side of Holland Lake 50 miles northeast of Missoula, Missoula Co., Montana. Twp. 20N., R. 16 W., S. 35. Elev., about 4,800'. Plants with or sometimes without elongate rhizomes. Ffs are very pale lilac (near hyacinth) with yellow center and with some dark lines near the base of the 3 lower petals, upper 2 petals deeper
Lavender at the back.

Viola canadensis L.

var. rugulosa (Green) C. F. Hitchc.

_Viola canadensis 35_

7883 - June 27

in rather moist, mixed

coniferous woods along

west end of Holland Lake,

50 miles northwest of

Missoula, Missoula Co.

Mont. Tps. 20N., R. 16 W.,

S. 34. Elev. about 4,500

passing freely into the

associated var. attenuata,

which is one in which
the basal leaves are
smaller and are thickly
To revolve on the upper
surfaces at least when young.

Antennaria neglecta Greene
var. howellii (Greene) Corng.

7864 - June 30, 1955 - Open
ings and dry meadowland
among ponderosa pines,
west of Holland Lake, about 75
miles northeast of Missoula,
Missoula Co., Mont. Twp. 19
N. R. 16 W., S. H. Elev. between
4,000 and 4,500 feet. Pistillate plants with deep pink, light pink, partly pricky, or white bracts. Staminate plants scarce, with brown bracts.

*Antennaria rosea* Greene

\[\text{Antennaria rosea} \quad 26\]

7865 - June 30, 1935
Same place as 7864.

*Petasites* filipes

*Petasites* petasitis white.

*Arenaria saxifragifolia* set. Bassett Megure
1955

786 - June 30, 1955

Among scattered ponderosa pines in lower River Valley west of Holland Lake, about 75 miles northwestern of Missoula, Montana.
Twp. 19 N., R. 16 W., S. H.
Elev., between 4000 and 4500 feet. Plants in small tufts, without rhizomes.

Festuca scabrella Turra.
June 30, 1955

7 B 7

Date: July 8, 1957

Time: 10:00 a.m.

Place: 3786

Lack of ground cover led to development of creeping
vines.

Cared goes to Booth

Date: 23
Among scattered ponderosa pine and around edges of dry meadowland in the Swan River valley west of Holland Lake, about 75 miles northwest of Missoula, Missoula Co., Mont. Trps. 1911, R. 16 W., S. 4. Elev. between 4000 and 4500'. Petals white, prominently yellow-based, with small superfluous purple spot (the gland) calochortus apiculatus Baker.
1869. June 30. 1st
In dry meadow land
Scattered
"denes pines in
Loon River Valley,
west of Holland Lake,
about 75 miles northwest
of Missoula, Missoula Co.,
Mont. Twp. 19 N.; R. 3
R 16 W., S. 4. E.
'Twixt 1000 and 4000 feet.
Plants somewhat muddy.
Ceros white.
Lepidium campestre (L.R. Br.)

Item 29
1870 - June 30, 1955
In dry meadowland with scattered ponderosa pines in Seven River Valley, west of Holland Lake, about 75 miles northeast of Missoula, Montana. Twp. 19 N., R. 16 W., S. 4. Elev. between 4,600 and 4,800 feet. Flowers yellow.

Crepis munclina (James) T. G. var. munclina (James)
June 30, 1955

Located property in dry wood covering up scattered ponderosa pine

west of Holland in Swan River valley west of Holland lake, about 75 miles

northwest of Missoula, Missoula Co., Mont.

Tups. 19N., R. 16W., S. C.

Elev. between 1,000 and 4,500 ft. Первые

Cerastium arvense L.

sens. lat. lat. Barret Magazine

107 by 1
1972 - July 3, 1955
Openings in milk cows
crossroads in Swan River valley west of Holland Lake about 75
miles northeast of Missoula, Missoula Co.,
Mont. Twp. 20 N., R. 16 W.,
Sec. 33. Elev. between 5000 and
4400 feet. Flower pink.

Microstelis gracilis (Hook.)
Greene
var. gracilis
July 3, 1932

L. B. Clewell

...west of Hollandale, 75 miles northeast of Wisconsin, Wisconsin City, town Twp. 30 N., R. 16 W., Sec. 33. Elev., between 400 and 1,000 feet. Stems clustered and tapering and branched caudex. Flowers rather light blue, marked with white.

Lupinus latiflorus Doug.
var. pseudoperilobus (Ryd.) C. B. S.
7874 July 3, 1955

Openings in misted coniferous woods in two River Valley, west of Holland
Lake, about 75 miles

northeast of Missoula,
Missoula Co., Mont. Twp.
70 N., R. 16 W., S. 33. Sec.

between 4,200 and 4,300
ft. Plants in small

trifts

Suzula multiflora (Petreview)

Suzula
7875 - July 3, 1955
In small mat., the
rice areas in the
west
are about 75
miles northwest of Missoula.
Missoula Co., Mont.
20 N., R. 16 W., 8.33. Clear.
between 4000 ft. and 4300 ft.
Points in small clusters, or
single stems, without
bodies.
Alopecurus gequilis lobol.
Alopecurus (15) 1/1
7876. July 3, 1955
Same place as 7875
Flowers white

Veronica peregrina L.
var. xalapensis (Hbk.) St. John
+ Warren

Veronica peregrina
1877 - July 3, 1877
In rather moist, mixed coniferous undergrowth in the lower Rickert Valley, west of Dollar Lake, about 7.5 miles north east of Wallace,

Viperinae 2. Var. 1. exp.
D Y E 16 W. 5. 33. Elevation between 4000 and 4300 feet.

Flowers light blue.

Gentiana amarella.

V. acuta (Micht.) Herder

\[\text{Gentiana} \ 35\]
7878- July 4, 1955

In mixed coniferous woods at west end of Holland Lake, about 80 miles north-
est of Missoula, Missoula Co., Mont. Twp. 20 N., R. 16 W., S. 35. Elen. about 4300
feet. Rhizomatous low shrubs mostly 3-6 dm tall.
Plants more or less divisible into two types. The "small"
common type with relatively large leaflets, gla-
aceous pedicels, and large pink flowers that often
have numerous petals.
less common types with smaller leaves, stipules, stigmas, and smaller, more deep rose flowers mostly without supernumerary petals, but other combinations of these characters occur occasionally.

*Rosa acicularis* Lindl.
July 6, 1955

Entry openings in mile
C
cifer man mats in the
creek river valley, west of
Holland Lake, about 75 miles
north of Medicine River.

Temp. 304
1614, 5 34. Eles, about

4300 feet. Reeds pale green

blue, varying to almost

blue-green. Stems arising

singly or few together from

a small root.

Castilleja Lutescens (Shenm.) Rydb.
dupl. det. Marion Crowley

Castilleja
July 7, 1880

2. in places 738 738.
Stars rather few and
loosely clustered, with
decumbent, after sub-
- - - - - - - - - - - - - - -
-rhizomatous. Leaf. Base
rich, varying to vermilion
on dark-vermilion.

Castilleja ministis Doug.
set. Marion Crowley
1882, July 7, 1855

To win a victor in the Seven River
up stream of Holland
Lake, about 75 miles
northern of Wisconsin.

Wisconsin, 27th. Twp.
20 N., R. 16 W., S. 34.

Elev. about 4300 feet.

Kerria mariae var. maculata
blue purple, green
petals (occasionally whole)
light yellowish

Pedicellaria Bracteosa Bark.
var. Bracteosa
7883 - July 7, 1935.
Same place as 7882. Plants in 2 distinct color phases: one almost wholly reddish-brown, and to the corolla, except the lip, which is white with purple dots, the other light yellow throughout, except for the pale white lip.

Corallorhiza maculata Ref.
7884. July 7, 1955

Edge of clay meadow on
middle course near
at west end of Holland
Lake, in Toniac River Valley
about 75 miles northwest
of Jackson, Washtenaw Co.

Mont. Twp. 20 N., R. 16 W.,
S. 34. Elen. about 1430 feet.
Folliculum white.

Anemone globosa Nutt.
July 8, 1935

Penstemon Hyaloides (Gray) det. D.D. Keck Gray

Penstemon hyaloides
July 3, 1955


Penstemon wilsonii Rydb., det. D.D. Keck
Flowers blue.

Penstemon altifolius Greene
det. O. O. Koch
July 8, 1955

Open on Bruskey, 300c, and closely northwest slope in Swan Range above Holland Lake, about 30 miles northeast of Missoula, Missoula Co., Montana, Twp. 10 N., R. 16 W., S. 36. Elevation about 5000 feet. Flowers thrive with the presumed parents.

By A. Dunsterman
7889 - July 8, 1955

Open, loose and shaly
southwest slope in
Swan Range above Holland
Lake, about 50 miles north-
east of Missoula, Missoula
Co., Mont. Twp. 20N, R. 16 E,
S. 36. Elevation about 5000
feet. Flowers dull white,
occasionally pale purplish-
growing with P. hetero-
phylla, and apparently
hybridizing freely with it.
Phacelia hastata Doug.
var. leptosepala (Rydb.) Eng.

Phacelia hastata 30
July 8, 1955

Same place as 7889.
Flowers dull white, occasionally pale purple.

Phacelia heterophylla

Phacelia heterophylla

Phacelia heterophylla 13
1891 - July 8, 1955
Same place as 1889.
Plants growing with the presumed parents, and combining their characters:
either with a single, erect stem and all or nearly all entire leaves, or with several ascending stems and some of the leaves basally lobed.
Phacelia heterophylla Pursh ×
Ph. hastata var. leptosepala (Kyll.) Corng.
1872 - July 8, 1952
Granny's crossing pens into
mixed coniferous woods
along Holland Creek.
Holland Lake, 7,000 feet
about 50 miles northwest
of St. Louis, Missouri Co.,
T. 7 N., R. 16 W.,
S. 36. Elev. about 5,700
feet. Stems several from a
little woody root. Basal
radiating leaves.

Castilleja, Shippside, Benth.
dupl. det. Marion Beunley
Castilleja, hirsuta 35
7893 - July 9, 1955


Plants forming dense mats appear evidently without a leaf or fruit. Flowers minute, with small reddish dots.

Eriophya eruciformis E. var. austromontana (wieg.) Pace
July 9, 1955.

In Thin soil and most

 chats and along Hallow Creek, above the ground

 line; on an angle, about 180 miles northwest

 Missoula, Missoula Co.,

 Mt. Trinity, 20 N.,

 R. 15 W., S. 31, E Co.,

 about 5500 feet.

 Growing adjacent to char.

 c. art-tic A. Patiobala, but
 evidently, representing a
different, taken, disting-

 uished by its smaller,

 relatively narrower, etc.
less toothed leaves, smaller heads, and more exposed habitat, but only with difficulty to be distinguished from the smaller individuals of the more characteristic A. latifolia of the adjacent coniferous woods.

Arnica latifolia Borg.
var. gracilis (Ryd.) Cronq.

Arnica “gracilis” (14)
7895 - July 9, 1955. Col. in

Utah, about 30 miles

northwest of Valentine,

Nebraska, Thursday

10 p.m. 20 N, 815 W,

S 31° 76' E, at

5500 feet.

Fruits and rhizomes,

relatively large, dis-

tinctly surpassing its

leaves.

Potentilla glandulosa Lindb.

var. pseudomexicana (Ryd.)
7896 - July 9, 1955

Moist, gravelly slope over.
Looking NE and N. 1/2 km, about 30 miles
northeast of Missoula, Missoula Co., Mont.

Twp. 20 N., R. 15 W., S. 31.
Elev. about 5500 feet.

Stems short, clustered on a taproot and branched.
Clustered flowers purple.

Astragalus bourgoinii Gray
1897- July 9, 1925,

Valeriana dioica L.

Valeriana dioica (3)
7876 - July 9, 1955

Thorn 1.5-3 m tall on
limestone slope overlooking
Hilland Creek; Swan
Range about 50 miles
northeast of Missoula,
Missoula Co., Mont. Terr.

On 20 N, R 15 W, S.31
about 5500-6000 ft.
Flowers white.

Sorbus scopulina Green
July 9, 1955

Missouri, Platte Co., Platte River at Confluence with the Platte River, about 80 mi. N.H.W. of Lawrence.

Temp. 20 M.H., K.15-4, S.31, E.64 w., 5,500 ft. Height.

Tiarella unifoliata Nutt.
July 9, 1955

On

Arid and Creek, Kern Range, about 50 miles

Northeast of Missoula,

Missoula Co., Mont, T.ic.

20 Y.R. 15 W., S. 31, Eelo.

About 6,000 feet. Broad,

low island. Flowers

Penstemon ellipticus Court.
Fig. 1 Fisch.

"101 - June 9 1955
Rocky mtns...ave. looking
Holland...be...range about
2 miles north of
Daub...Missouri
15 IV, 5 24, E. r., elev.
6500 feet. Stems leanly
dirked. E. was bright
ex tender
Possible hybrid: /
Penstemon repens. (strag) strag
X P. ellipticus Coulf. + Fish.
Presumed parents found in the general
area, but not seen immediately nearby
Penstemon. ③ det. D. D. Koch
1902: July 9, 1955

In

Mountains near Holland
Creek below Upper Holland Lake (about 80
miles northwest of Missoula, Missoula Co.,
Mont. Twp. 20 N., R. 15 W.,
S. 29, Sec. about 6500 ft.
Vine 1 & Sepals 4,
blue-lavender

Clematis columbiana (Nutt.)

T. & G.
1903 - July 9, 1953
Thrush mostly 1-2 m.
tall in brush and open
conifers above near
Holland Creek, below
upper Holland Lake.
Seven Range, about 80
miles northeast of Missoula,
Missoula Co., Mont.
Twp. 20 N, R. 15 W., S. 29
Elev. about 6,500 feet
Leaves glossy beneathly
Flowers tinted with
dull orange-pink
Menziesia ferruginea Smith
var. globella (Gray) Peck

Vaccinium
7904 - July 9, 1955


Mertensia longiflora Greene

Mertensia longiflora D
July 9, 1955


Pulmonaria pulcherrima

var. pulcherrima

Pulmonaria pulcherrima
1906 - July 9, 1955
Land plant 1925
Flowers white.

Arabis metallica Rob.
1907 - July 9, 1955
same place as 7904.
Roots slightly thickened.
Flowers in blue-purple.
The upper petals whitish
and lined with blue.

Delphinium bicolor Nutt.
73908 - July 9, 1935
thrown up to 1 m. Tall
an inch cut across at
west end of Hill
Upper Holland Lake,
Swan Range, about
60 miles northwest of
Missoula, Missoula Co.,
Mont. Twp. 20 N. R.
15 W. S. 29. Elev. about
7000 feet. Flerwersmarn

Pachystigma myrsinites
(Pursh) Raf.

Redrockiæ 5
July 9, 1955

Thick 1-2 in. tall

Can grass at west end of Upper Holland Lake; Swan Range, about 50 miles northeast of Willows, Missoula Co., Mont. Trigo, 70 N R 15 W., S. 39. Elevation 7700 feet. Flowers acharis or nearly white.

Sonieria utahensis S. Watts.
7910 - July 13, 1955


Vaccinium scoparium Sealy.
July 13, 1955

Thrush mostly 3-6 dm. tall - laminae place is 2.910. Flowers depressed-globosse, twisted with purple.

Vaccinium globulare Rydb.

V

Vaccinium 3: 2 dm. 30
1912—July 13, 1955
In meadow mat and thin soil on sloping south
antemaps north of
Upper Holland Lake,
Lewan Range, about 80
miles northeast of Missoula,
Missoula Co., Mont.
Type to N., R. 15 W., S. 29.
Elev. about 7500 ft. Plants
torming loose mats, just
beginning to bloom. Leaves
dirty blackish green
Antennaria alpina (L.) Ehrh.
var. media (Greene) Jeps.

Antennaria alpina 2
July 13, 1965
In moss mats and rock crevices on ledges
north 15 mi Upper Holland Lake; Sawan Range,
about 80 miles northeast of Minocqua, Minocqua Co.,
Mont. Toga. 20 N.R. 15 in.
S 09. Elev. about 7500
feet.

Selaginella densa Royal
var. scopulorum (Milton) Tryon
July 13, 1755


Salix fraga rhomboides

Greene?
1915 - July 13, 1915
Roth Creek is overlying the north side of Upper Holland Lake Ecto Range, about 30 miles northeast of Missoula, Missoula Co., Mount. Twp. 20 N., R. 15 W., S. 28. Elev. about 7000 feet.

Cryptogramma crispata (L.) R. Br.
var. acrostichoides (R. Br.) C. B. Clarke

Cryptogramma 5
7916 - July 13, 1955
Same place as 7915

Cheilanthes gracillima
O.C. Est.
July 13, 1955
Moist open slopes over
Carrying north side of
Upper Holland Lake
from Range, about 80
miles northwest of
Mettawa, Missoula Co.
Mont. Town 70 11. R.
15 0, s 28 Clear about 7000
feet. Stems generally
clustered on a branched
caulke. Flowers white
the lower I pinch it over
Valeriana sitchensis Bong.
Valeriana sitchensis
1918 - July 13, 1918

In moss, western larches along Upper Holland Lake, Leman Range, about 80 miles northeast of Missoula, Missoula Co., Mont. Temp. 70 N. K. 15 M., S. 19. Elev. About 7000 feet. Flower yellow, the 3 lower petals pencilled with dark purple toward the base within.

Viola Labella Nutt.
July 13, 1955

En route, mostly shaded places along Upper Holland Lake; Swan Range about 80 miles northeast of Missoula, Missoula Co., Mont. Twp. 20 N., R. 15 W., S. 29, Elev. about 7000 feet. Flowers green.

Mitella breviremis Gray
July 13, 1955

Open, rocky slopes and
rocky crevices along Holland
Creek above Holland Lake;
Seven Range, about 80 miles
northwest of Missoula,
Missoula Co., Mont. Twp.
20 N., R. 154, S. R. 16 W.,
S. 36. Elev. about 5000;
plants with a taproot
short branched caudex,
flowers dull whiteish
Heuchera Cylindrica Doug.
var. septentrionalis R. B. L.

Heuchera
1921 - July 13, 1955
Ozark, grassy slope along Holland Creek
above Upper Holland Lake,
Truman Range, about 86
miles northeast of Missoula
Missoula Co., Mont.
Twp. 30 N., R. 16 W.,
S. 36, Elev. about
5,000 feet

Crepis atrabacea, Heller
ep. originalis Bade & Stebb.
1922 July 13, 1955
In rather thin soil on rocky, open
sparsely wooded hill north of Upper Holland
Lake, Beaver Range, about 50 miles
northwest of Missoula, Missoula
Co., Mont. Traps, 2011
R. 15 W., S. 28. Elev. 7000-
7500 ft. Common, but
just beginning to bloom;
fowers ochroleucus
Pedicularis contorta Benth.
var. contorta

1

Pedicularis contorta
1923 - July 13, 1955
Loco Ground along Upper Holland Lake,
Siuan Range, about 50 miles northeast of Missoula, Missoula Co.,
Mont. Twp. 20 N., R. 15 W.,
S. 25. Elev. about 7000 feet.

Ramunculus eschscholtzii
Schlecht.
7924. July 14, 1935


Flowers from scabrous to less often light yellow, white, pale lavender, or lavender.

Penstemon concolorus Douglas Lindl. det. O. O. Beck