Book no. 3.

Edwin Payson
Field Book

1917.

1336

DN
354

This book is the value
to the department of
botany of the University
of Wyoming and the
finder, if it is lost,
will confer a great
favor by returning it
to Edwin Payson
Laramie
Wyo.
Dept. of Botany.

001

no. _____

Name _____ (—) -

habitat, zone. alt.
locality date
collector.

Upper Sonoran Zone.

Montrose, Montrose Co.

alt. 5800 ft.

May 22 1917.

970 Thelypodium elegans Jones
"adobe" flat.

971 Artemisia spinescens
"adobe" flat

972 Tetradymia spinosa H. & A.
"adobe" flat.

x x 7

Leopard Creek, near Placer-
ville, San Miguelt Co.
Brushy roadside; trans-
ition zone.
May 24, 1917.

973 Androsace
septentrionalis L.
Var.

974 Thlaspi
Fendleri gray.

975 Ranunculus
manaensis greene.
X X X

Naturita, Montrose Co.
alt. 5,400 ft. +/-
Upper Sonoran zone

May 27, 1917.

---

976 Draba

crevices of rocks on
dry hillside.

977 Lappula Redowskii
(Hornem.) Greene var. occidentalis (Wats.)
Rydb.
dry loam beneath
Juniperus tree.

978 Lappula texana (Scheele)
Britton var. heterosperma (Greene) Macbr.
ditto.
-cumulative ?

+ + +

007

Naturita, Montrose Co.
alt. 5400 ft. Upper Sonoran Z.
May 31, 1917.

979 Acer Negundo L.
large tree; river bank.

980 Polyphore
on decaying sticks
& leaves beneath
trees. (no 981)

981. Inocybe
Gunnisonii (Torr.) Rydb.
groves in river bottom.
stragglers from Transition
zone.

008

982 Amelanchier
pumifolia Greene.
dry, rocky hillsides

983 Thelypodium
elegans Jones
open rock crevices

Naturita, Montrose Co.
alt. 5-6400 ft.
Upper Sonoran zone
June 1, 1917.

984 Castilleja
rocky hillsides

985 Lupinus
crassus Payson
open, clayey slopes.

986 Phlox
longifolia Nutt.
stony hills

987 Lesquerella
rectipes W. & S.
stony slopes beneath
Junipers.

988 Chamaechaenactis
Chaenactis scabrosa Eaton.
dry and rather barren
clay slopes

989 Townsendia
incana Nutt. ~~Leiosten~~ A. Nels.
rocky slopes

990 Penstemon
P. Paysonii Pennell
rocky slopes

991 Sisymbrium
brachycarpon Richards var inter medium (Rydb)
beneath juniper mach.
trees.

992 Shrubby perennial
composite
barren open ridges.

993 Astragalus
naturitensis Payson
open stony flats.

994 Androsace.
occidentalis Pursh.
dry flats beneath
sage brush. capsules often
012 fall out of cup at once.

San Miguel Cañon at
mouth of Tabeguache Creek.
alt. 5080 ft.
Upper Sonoran Zone
June 6, 1917

995 Pentstemon
South slope of cañon.
open hillside.

996. Eriogonum
Engelmannii A. Nels.
rocky hillsides.

997 Oreocarya
O. longiflora A. Nels.
rocky hills. 013

998 Cryptantha
C. gracilis Osterhout
at base of cliffs

999 Cryptantha
pterocarya (Torr.) greene
ditto. rare.

1000 Cryptantha
ditto.

1001 Castilleja
rocky hillsides

This replaces the Naturita
014 species here. It is a
more beautiful plant.

Naturita, Montrose Co.

Dry ~~hills~~ hills. alt. 5-6400 ft.

June 8, 1917.

Upper Sonoran Zone

1002 Eriogonum flagellaris Gray

1003 Pentstemon P. Paysonii Pennell.

Placerville, San
Miguel Co.
Upper Sonoran Zone
on border of transition.
June 9, 1917.

1004 Pentstemon

brushy slope.

Dallas Divide
Seen Miguel Co.

Lower Canadian Zone.
open hillsides

1005 Antennaria
aprica Greene

1006 Androsace.
~~puberulenta. Rydb~~
var. diffusa A. Nels.

1007 Eriogeron
radicatus Hook.

1008 Draba
montana Wats.

1009 Draba
chrysantha Wats

1010 Viola
nephrophylla Greene

Chaffee Co. Colo.

Bear Creek near
Salida
Pinon belt of Upper
Sonoran + Transition
Zones. June 27

1011 Clematis
Scottii Porter
along roadside among
oak brush

1012 Rhus
trilobata Nutt.
dry hillsides

1013 Clematis pseudoalpina
shady slopes - Canadian

1014 Oreocarya
stony slopes

1015 Physocarpus
exposed ridges
Transition

1016 Symphoricarpos.
Subsides

1017 Lesquerella
montana (gray) Wats.
detto

1018 Castilleja
open slopes among
Pinus scopulorum.

June 28 1917.

Cañon de Arkansas
between Salida
& Cañon city
also Colo. Springs
1019 Oreocarya
suffruticosa (Torr.) Greene
dry slopes
gray soil (clay) near
Cañon City.

1020 Arenaria
~~Fendleri~~ Gray Hookeri Nutt.
stony dry hill
Canton Cañon

1021 Lesquerella
same as 1019

1022 Lappula
heterosperma Greene
Same as 1019

1023 Philadelphus
microphyllus Rydb.
near Royal Gorge

1024 Symphoricarpos
oreophilus Gray
dry hillside

June 29.
on Pikes Peak
along trail -

1025 - Prunus
melanocarpa (Rydb.) A. Nels.

June 30
between Colo. Springs
& Denver.

1026
Ceanothus velutinus Dougl.
among P. scopulorum
monument.

1027 Oreocarya
suffruticosa (Torr.) Greene
roadside near
Castle Rock.

July 2.

Boulder Colo.

mouth of Canon Gregory

1028 Corylus rostrata Ait.

1029 Ribes cereum ~~Dougl~~ Coult.

1030 Symphoricarpos racemosus, Michx.

1031 Physaria

July 3.

Between Boulder & Denver:

1032 Pachylophus ~~Lavauxia flava~~ (

barren, loose slopes at roadside flwrs yello.

Lavauxia bracteata (gray) Brit.

July 8 1917.

Black Cañon
Gunnison.

Transition Zone.

1033 Lepidium

in large perennial
clumps in rocks crevices
near rail road.

July 9 1917.

Cedar Creek
near Montrose
Upper Sonoran and lower
border of transition zone.

1034 Castilleja
chromosa A. Nels.
nearly past-conduition-
some remain in shade &
large & fresh on
north exposure.

1035 Astragalus.
Haydenianus Gray Jor!
dry South slopes

1036 ~~Crat~~ Crataegus rivularis Nutt

along the stream
coming down from
the transition zone.

1037 Chaenactis
stevioides D.C. a A.
dry stony hillside
nearly east.
N. Sonoran

1038 Symphoricarpos
oreophilus Gray.
along stream
coming down from
the Transition zone.

028

1039 Amelanchier
pumifolia Greene
very common - covering
the lower belt of the
transition Zone to
descending Long creek.

1040. Pachylophus
eximius Gray
R. R. grade.
Up. Son. Zone

1041. Ribes.
cereum Coulter.
along creek

1042 Ribes ~~longiflorum~~
R. aureum T. & G.
along creek above
station about 1 mile.
Saw only this clump.

029

1043 Schmaltzia.
Rhus trilobata Nutt.
along creek. common

1044 Castilleja

area creek - saw only
one clump - very lo-
cality out of zone -
should be Canadian pro-
bably.

July 10 + 11 1917.

Bostwick Park, Vernal
mesa + Gunnison
Cañon.

July 10.

1045 Eriogonum
Bostwickii. Dry hills.
Bakeri grume.

1046 Oreocarya
viridula Jones
Bostwick Park.

1047 Siderantheus
grindelioides (Nutt.) Britton
dry stony slopes

1048 Gilia
" congesta Hook.

1049 Senecio
multilobatus T. & G.
among junipers

1050 Physaria
dry stony slopes

July 11,

1051 Amelanchier
alnifolia Nutt. ?
Garrison Cañon
transition
Berries very fine!

1052 Castilleja

Gunnison Cañon
among shrubs.

1053 Pentstemon red
R Torreyi Benth
among rocks
Gunnison Cañon

Torreyi Benth.

1054 Pentstemon
P. Watsonii Gray
among oak brush.

1055

Grossularia
dry gulches & Slopes

Ribes leptanthum Gray.

1056 Philadelphus
mimulus Ryd.
crevices & rocks

1057 Pentstemon
Boschveckii Parks.
comarrhenus Gray
dry flats.

1058 Gilia
Gaggregata (Pursh) Spreng.
wide form —
locally excluding the
red.
toh & vernal mesa

1059 Acer glabrum Torr.
Gunnison Cañon

1060 Ribes
Wolfii Rothr.
Gunnison Cañon

1061 Fragaria
hanerflora Rydb ?
beneath rocks
vernal mesa

1062 Castilleja
linariae linariaefolia Benth
vernal mesa

July 11.

1063 Abronia glabrifolia Standley

loose adobe hillside

above Cedar Creek.

climbing & forming

a network on loose

slopes; flowers white fragrant.

(Setchell) Britt.

1064 Lappula texana

var. heterosperma (Greene) Nelson & Mac.

near R. R.

Cedar creek, U. S. 90

July 9, '17.

July 13, 1917.

Cedaredge Colo.

1063 Pedicularis centranthera
Gray.
beneath junipers.

1066 Arnica chamissonis
prunifolia Greene
Toumey creek

dryish places

1067 Castilleja sp. Elis. Wels.
alkaline dutch bank.
near town

1068. Crataegus
rivularis Nutt.
along young creek.

1069. Amelanchier
alnifolia Nutt.
moist creek bank

July 14 1917.

Cedaredge Colo.

1070
Prunus
melanocarpa (Rydb.) A Nels.
along Surface Creek.

1071 Trifolium
Rydbergii Greene
along ditch.

1072 Castilleja
along surface creek.

July 16 1917.

Ridgway, Ouray Co.,
Colo.

1073 Castilleja

rather common on
sagebrush flats where
is not too dry.
U. Son. Zone

1074. Cardamine
cordifolia Gray
along creek
Transition Zone

1075 -

Amelanchier
alnifolia Nutt.
along creek. trans. zone

1076. Ribes cereum Coulter
dry washes. Trans. zone.

1077 Amelanchier
pumifolia Greene
dry hills - U. Son. zone

1078 Grossularia
Ribes grossularia L.
along stream - at least -
1 mile from any ranch
looks like tame gooseberry but
certainly at home here 041
Transition zone.

1079 Oreocarya
flaroculata A. Nels.
dry washes - 3 mi
above town toward Ouray.

Ridgway Colo.
Ouray Co.
July 17, 1917

1080 Rhamnus
Smithii Greene

rivello like shrubs along
gulches where there is
some water. Belo
town 8 mi. U. Son. zone

1081 Œnothera

roadside ← branch from
base. 3 mi below town

1082 Ribes longiflorum
common along river &
creeks 3 mi below town

1083 Prunus ~~Rydb~~ Rydb
melanocarpa (~~Rydb.~~) A. Nels
shrub in gulch 3 mi
below town

Ridgway Colo.
July 18, 1917.

upr. gulch leading to
city reservoir.

1084 Pentstemon.
hillside.

1085 Senecio.
along brooks.

1086 Leptoseris
viridiflora (Cham.) Rydb.
wet shady slope.
flwrs fragrant. green

Iron Springs Mesa
Dunning's ranch
July 19, 1917.

1087 Coralliorhiza
multiflora Nutt.
Shady grove

1088 Castilleja
among Pinus scopulorum

Horsefly Peak.
10,500 ft.

July 20, 1917.

1089 Rentstemon
common on
slopes of peak -

1090 Erysimum
asperum DC.
slopes flowers
lt yello.

1091 Hedysarum
sintahense A. Nels.
slopes of peak

Placerville Colo.
July 23, 1917.

alt. 7,200 ft.
on the borders between
upper Sonoran & Transition Zones. South
slope of cañon below Placerville is Transition. North side is piñon belt of Up. Sonoran.

1092. Asclepias
syriaca L.
Leonard Colo.
elevation 7,500 ft

1093 Physaria
didymocarpa (Hook.) Gray var australis Payson
048 along road & on
gravel washes.

1094 Menzelia
stricta Osterhout.
along road. Stems stiff-
3 ± ft- high.

1095 Gilia
pinnatifida Nutt:
on loose clay slopes
odor disagreeable
like Polemonium.

1096 Lithospermum
dry barren slopes.

1097 mint.
Madronella parviflora (Greene) Rydb.
clumps along dry
gulches - Sandy Soil.

July 26, 1917.

Rico, Dolores Co.

Canadian and Arctic

alpine zones

1098 Grossularia
Ribes lentum (Jones) Coville
timberline

1099 Castilleja.

timberline
flowers white or greenish.

1100 Castilleja

along stream - sub-
alpine. flowers a beautiful
soft pink.

050

1101 Castilleja

growing near 1100 but flowers with a touch of brown - making them almost a salmon color. beautiful things.

1102 Castilleja

subalpine. flowers a brilliant scarlet.

1103 Castilleja

flowers scarlet - near 1102.

1104 Limnorchis stricta (Lindl.) Rydb. moist subalpine hillside scarcely fragrant

051

1105 Penstemon.

hillside - canadian 30

1106 Aquilegia elegantula
Greene

moist shady subalpine
slopes

1107 Erigeron

alpine slope
rays lavender

1108 Trifolium
stenolobium Rydb.

alpine slope.

1109 Pedicularis
scopulorum Gray.

alpine slope.

052

1110 Taraxacum
scopulorum (Gray) Rydb.
among slide rocks.
arctic - alpine zone

1111 Lloydia ?
alpine slope.

1112 Polemonium
pulcherrimum Hook.
subalpine slopes

1113 Montia
Claytonia megarrhiza (Gray) Parry
alpine slopes.

1114 Silene acaulis L.
alpine slopes

1115 Salix petrophila Rydb.
alpine slopes

1116 Clementsia
Sedum rhodanthum Gray.
alpine & subalpine
slopes.

1117 Smelowskia
calycina Mey
alpine slopes.

Dolores, Montezuma
Co. Colo.
on borders of Upper Sonoran
transition Zone.
July 28, 1917.

1118 Clematis
Douglasii Hook
clumps among oak brush.

1119. Symphoricarpos
oreophilus gray.
among pinons

1120 Lotus
Wrightii (gray) greene
dry mesas.

1121 Lupinus
pusillus Pursh.
annual - dry flat - 055
bernatti Pinus scopulorum -

1121A: Pinus tuberculata Sonora

1121 Schmaltzia
Rhus trilobata mts
rocky slopes of Mt. Lon.
Zone.

1122 Grossularia
Ribes leptanthum Gray.
dry slopes

1123 Lupinus
argophyllus Ckell.
dry flats.
flowers light-blue or
white
nearly

Cortez Montezuma Co.
Upper Sonoran Zone
July 30 1917

1124 Lycium
pallidum.

shrub 3 ft high -
dry rocky flat near
town - not common

1125 Ribes Grossularia
Leptanthum Gray.
on Mesa Verde
northern edge So of
Cortez. 8,000 ft

1126 Grayia ?
Spinosa (Hook) Moq.
dry alkaline flat.

057

1127 Carduus
luminatus (Eastw) Heller
slopes & gulches
Mesa Verde 7,000 ft.

1128 Lappula.

among rocks
Mesa Verde
8000 ft.

1129 Pentstemon
coloradensis?
on top of Mesa among
pinons 8000 ft.)

1130 Pendstemon

flower scarlet.
top of mesa

1131 Hedeoma
nana (Torr.) Greene
Sandy wash near
Cortez. 6000 ft.
Drummondii Benth
1132 Pachylophus
etimnius (Gray)
loose clay slides
on side of Mesa Verde
7000 ft.

1133 Gilea
Haydenii Gray.
Ditto

Mesa Verde Natl Park

Aug 2, 1917.

Cheilanthes

1134

rock crevice near
cliff Palace
6,700 ft.

1135 Oreocarya
?,
Same locality
6,700 ft.

1136 Parthenocissus
vitacea (Knerr) Hitchc.
Common above Cliff
Palace near spring

060

1137 Philadelphus
minutus Rydb.
rocky slopes every-
where

Mancos.
Montezuma Co.
alt. 7000 ft.
Aug 3, 1917

Aesculus
erythrocarpa

1138 Crataegus
along Mancos Cr.

Manzanos, Montezuma Co.

La Plata Mts. E. Stwn.
Aug 7, 1917

1139. Aster
. aeris L.
timberline
Eurgeron lonchophyllus Hook.

1140 Valeriana
acutiloba Rydb.
subalpine in forest:

1141 Solidago
Scopulorum (Gray) A Nels.
timberline among shale
rock.

1142 Castilleja 063
subalpine forests
flwrs pinkish red

1143 Trifolium
Subalpine
Brandegei Wats.

Bayfield Colo.
Aug. 10, 1917.

1144 Ranunculus
cardiophyllus Hook.
on road to Vallecito.
14 miles N. of Bayfield
Transition Zone

Aug 11, 1917
1145 Allionia linearis Pursh.
near town of Bayfield.
rocky hillside.

Transition zone
Pagosa Springs
Archuleta Co.
Aug 12, 1977.

1146 Ratibida

along road at
edge of town.

1147 Machaeranthera

W
Snowball Creek - 6 mi
no. of Pagosa Springs.

1148 Lappula

along Snowball Cr.
Sandy bottom

11/9 Gaura

• along Snowball Cr.
brook side
flowers white —
blooming fruits.

1150 Lilium
montanum A. Nels.
river bottom at
Bayfield Colo.
Aug 9, 1917

1151 Arabis
Thelypodium micranthum Gray.
same + 1150

1152 Valeriana
river bottom at
Bayfield Colo.
Aug 9.
ceratophylla (Hook) Piper

1153 Frasera
speciosa Griseb.
river bottom at Bayfield

Pagosa Springs
Aug 13, 1917.
Transition Zone.

115-4 Castilleja
dry mesas near
town.

115-5 Rhus
trilobata Nutt.
hillside

115-6 Prunus
melanocarpa (Rydb.) A. Nels.
dry hillside, to bush

1157 Rhamnus
Smithii greene
hillside, common

1158 Solidago
nana Nutt.
dry hills

1159 Grindelia
fastigiata Greene
along roads - all
the Grindelias here
are rayless.

1160 Townsendia
glabella Gray
hillsides.

1161 Helianthella
Helianthus pumilus Nutt.
dry slopes

1162 Lupinus pusillus
Pursh.
dry flats

070

1163 Senecampt
Newberryi Gray
a beautiful plant well
deserving of cultivation
dry slopes

1164 Ratibida.
columnaris (Sims) D. Don
The var. pulcherrima (DC.) D Don.
mean Pagosa but dark
brown or purple rays.

Aug. 14, 1917.

1165 Hydrophyllum
multiflora
beneath Abies trees in
dense forest.
San Juan Mts no. of
Pagosa Springs 18 Aug.

1166 Corallorhiza striata Lindl.
dense forest-floor
San Juan Mts.

1167 Chimaphila umbellata (L.) Nutt.
San Juan Mts.

1168 Pyrola bracteata Smith
San Juan Mts.

1169 Pyrola chlorantha Swartz
San Juan Mts

1170 Fragaria
pauciflora Rydb.
San Juans Mts.

1171 Sorbus
scopulina greene
San Juans Mts.

1172 Apocynum
androsaemifolium L.
along gravels.
San Juans Mts.

1173 Peramium
Menziesii (Lindl.) Morong.
dark forest-floor.
San Juans Mts.

1174 Ribes Wolfii ?
Rothr.
among rocks
San Juan Mts.

1175 Juercus
Gunnisonii (Torr.) Rydb.
Pagosa Springs

1176 Arabis
- Along gravelly
San Juan Mts.

Naturita Colo.
Alt. 5700 ft.
Aug. 18, 1917

1177 Fraxinus anomala.

a "freak" form having compound rusted simple leaves. I saw two bushes of this kind.

Naturita Colo.

Aug 20, 1917.

1178 Abronia
fragrans Nutt
dry flat 3 mi above
Naturita - near Golden ranch

1179 Crataegus saligna
Greene.
along river
5 mi. above Naturita

1180 Quercus Vreelandii
Rydb.
fair sized trees
Naturita Cr.

076

Naturita Colo.
Aug 21, 1917.

1181 Chrysothamnus
nauseosus
C. depressus Nutt.
dry hillsides — common.
Naturita Cr.

Naturita Colo.
Aug 22 - 17.

1182
Populus Wislizeni Engl.
Dry Creek.
along ~~Naturita~~

1183 Populus
acuminata Rydb. ?
a ruf barbat tree
a good many trees along
Dry Creek.

1184 Forestiera
a thicket down river
from Naturita about 3 mi.

078

1185 Townsendia
Fendleri grey
dry flat mean
Dry creek - prostrate

Aspen Pitkin Co. Colo.
Aug. 30, 1917.

1186 Ribes Wolfii Rothr.

4 mi above town along
Roaring fork.

1187 Aster.
Engelmannii Gray -
Ludlow's

1189
Crataegus erythropoda Ashe
~~saligna Greene~~
along river

+1190 Betula glandulosa
080 2 mi. above town along
river.

1191 Ceanothus
velutinus Dougl.
among oakbrush
on hillside

1192 Rosa.
Say. Schwein.
thicket edge.

Glenwood Springs
Aug. 29 1917.

1193. Lepidium
alyssoides A. Gray
hillsides east-
town.

1194 Juncus
Gerardii (Torr.) Rydb.
ditto.

Glenwood Springs

Aug. 31, 1917.

1195 Rubes

ceremn Coulter.

Fullbright mem cemetery

4

Glenwood Springs
alt. 5,800
Sept. 1, 1917.

1196 Celtis
reticulata Torr.
dry hillside

1197 Philadelphus
occidentalis A. Nels.
rocky slopes.

1198 Petrophytum
caespitosum (Nutt.) Rydb.
on limestone rocks.

1199 Ephedra
antisyphilitica Mey.
rocky slopes

Fish Cr. Colo-Wyo line
Sept 12' 17

1200 Betula
fontinalis Sarg.

1201 Symphoricarpos

1202 Acer
glabrum Torr.

085

Fungi collected at Fish
Cr. Colo. - near Wyo line
Sept. 12, 1917.

1203 Gymnosporangium
on Amelanchier bernicoa

1204
on Gentiana

1205 - On Mimulus
montanoides

1206
on Heuchera hastata

1207
on Taraxacum
officinale

086 1208
on Salix

1209
Erigot on Elymus

1210
on Poa alsus hemiboreales

1211 on Poa stiriaca

1212 Crocartium
on Castilleja and Pedicularis

1213
on Lupinus

1214 on Euphorbia
robusta

1215 Phragmidium

on Rosa.

Fish Creek. Sept. 18.
L. E. Butler coll.

89

List of plants noted at Dolores Colo.
July 27. 1917.

Juniperus Scopulorum
Juniperus utahensis
Pinus edulis
Pinus Scopulorum
Yucca baccata
Eriogonum umbellatum
E. racemosum.
Grossularia
Lemna
Fendlera rupicola
Cercocarpus parvifolius
Purshia tridentata
Amelanchier Bakeri
Peraphyllum ramosissimum
Lupinus crassus ?
Lupinus
Quercus sp.
Schmaltzia trilobata.

191

Lotus
Malvastrum coccineum
Opuntia arborescens
Shepherdia argentea
Oreocarya
Lithospermum
Hedeoma
Orthocarpus purpureo-albus
Pentstemon
Castilleja linearifolia
Sideranthus
Chrysopsis
Gutierrezia
Erigeron flagellaris

19 194

Driers 1 Natural

June 1917,

ordinary blotting paper
cut to size 12 x 18 - worn -
180 sheets.

Carbet felt driers
all, except few narrow
ones, cut to size 12 x 18.
170 sheets
good condition

Kodak Gray Scale
C
Y
M
© Kodak, 2007 TM: Kodak
A 1 2 3 4 5 6 M 8 9 10 11 12 13 14 15 B 17 18 19

Kodak Gray Scale
C
Y
M
© Kodak, 2007 TM: Kodak
A 1 2 3 4 5 6 M 8 9 10 11 12 13 14 15 B 17 18 19