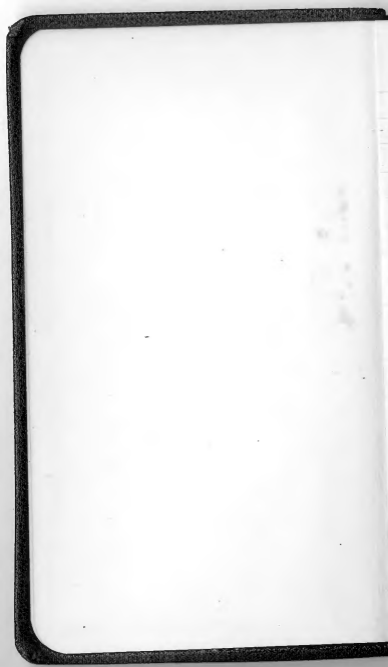


15745-16931

John Thomas Howell

2. 1  
see. Strong



2.0  
←  
ave. Speed



Collections of Sierra Club  
Base Camp Trip, 1940,  
continued.

South end of East Lake, Inland  
Co., July 31, 1940.

15745. *Luzula*

15746. *Pteridium aquilinum*

15747. *Carex brevipes*

15748. *Carex Rossii* (Beckler) n.sp.?

15749. *Juncus*

15750. *Poa nervosa*

15751. *Trisetum squarrosiflorum*

15752. *Koeleria cristata*

←  
C. S. Stevens

July 31, 1940.

15753. *Carex Preslii*

North end of East Lake, Dulane Co.

15754. *Salix orestera*

15755. *Guzonychia Nuttallii*

15756. *Guzonychia* *Cyrtanthus*  
*glomeriflora*.

15757. *Arabis Drummondii*

15758. *Muhlenbergia squarrosa*

15759. *Poa pratensis*

15760. *Carex aurea*

15761. *Menispermus pumilioides*  
var. *pilocellus*

15762. *Agrostis idahoensis*



July 31, 1940.

15763. *Senecio pauciflorus* var.

*fallax* Greenm.

15764. *Castilleja miniata*

15765. *Carex subrigicans*.

15766. *Sibbaldia procumbens*.

15767. *Lupinus confertus*.

The common lupine in meadows  
hereabouts.

15768. *Helianthem Hopsonii*

15769. *Smilacina sessilifolia*

15770. *Menispermus Tidestromii*

15771. *Pedicularis groenlandica*

15772. *Potentilla gracilis* var. *Hallii*

July 31, 1940.

15773. *Senecio triangularis* Hook.  
15774. *Agrostis Rossae*  
15775. *Juncus*  
15776. *Henthonia intermedia*  
15777. *Hesychampsis caespitosa*  
15778. *Parnassia californica*  
15779. *Equisetum arvense*  
15780. *Callitriche autumnalis*  
15781. *Isotetes*

This and the preceding were entirely submerged.

Aug. 1, 1940.

Harrison Pass Trail between Reflecting  
Lake and the pass, 10,000 - 11,000 ft.,  
Tulare Co.

15782. *Carex Preslerii*

15783. *Monardella odoratissima*  
    *spp. parvifolia*

15784. *Arabis platysepala*

15785. *Arabis rectissima*

15786. *Trisetum sequiflorum*

15787. *Chrysopsis nubigena*

15788. *Minulus leptaleus*

15789. *Hieracium hircinum*

15790. *Senecio oreopolus*

Aug. 1, 1940.

15791. *Pteroxis californica*

15792. *Linum Lewisii* var. *alpicola*  
A beautiful plant with variegated  
petals.

15793. *Crenaria Nuttallii* var.  
*gracilis*

15794. *Leptodactylon pungens* var.  
*Hookeri*.

15795. *Castilleja disticha*

15796. *Carex paucicostata*

15797. *Carex proaeptorium*  
This and preceding from marshy  
slope of lake.

15798. *Penstemon Newburyi*.

15799. *Moerhousia discolor*

Aug. 1, 1940.

15800. *Spergonium angustifolium*

At first the long ribbon-like  
liver leaves float on the surface of  
the water.

15801. *Facelis*

Submerged

15802. *Agrostis Rossae*

15803. *Agoseris retrosa*

Harrison Pass Trail east of Reflection

Lake 11000 - 11500 ft., Inyo Co.

15804. *Galium Munzii* var. *subalpinum*

15805. *Phacelia Eisenii*

15806. *Phacelia deszyphylla*.

Corolla lavender

Aug. 1, 1940.

15807. *Carex exsecta*
15808. *Stipa occidentalis*
15809. *Pedicularis semibarbata*
15810. *Gentiana Anavello acuta*.
15811. *Juncus*
15812. *Melica stricta*
15813. *Melica bulbosa*
15814. *Cirsium aculeosum*  
Flowers solid white
15815. *Mimulus Tiligji* var.  
*crallinus*
15816. *Saxifraga punctata* var.  
*arguta*.

Aug. 1, 1940.

15817. *Ayoseris glauca* var.  
*laciniata*

15818. *Delphinium lycopodium*

15819. *Tufohium tenerum*

15820. *Epilobium obcordatum*

Meadow on Harrison Pass Trail  
at about 11,500 ft., Tulare Co.

15821. *Carex subnigricans*

15822. *Pinus albicaulis*

15823. *Carex venocula*

15824. *Eriogonum incanum*

15825. *Carex fasciculata*

15826. *Carex spectabilis*

Aug. 1, 1940.

Meadow on Harrison Pass Trail  
at about 11500 ft., Inlare Co.

15827. *Erigeron acapigerum* Etnr.  
Topotype.

15828. *Carex Congdonii*

15829. *Carex multivittata*

15830. *Carex Breweri*.

15831. *Sparganium coudicifera*

15832. *Agoxeris alpestris*

15833. *Antennaria media*

15834. *Carex brevipes*

15835. *Carex phaeocephala*



Aug. 1, 1940

15836. *Scirpus Clementis*
15837. *Botriochium simplex*
15838. *Oryzopsis Kingii*
15839. *Luzula*
15840. *Kalmia polifolia* var.  
*microphylla.*
15841. *Potentilla Breweri*
15842. *Eleocharis parviflora*
15843. *Senecio Scorzonella*
15844. *Salix orestera* ♀ + ♂
15845. *Castilleja Brooksii*
15846. *Salix*

Aug. 1, 1940.

15847. *Aster Andersonii*

15848. *Vaccinium caespitosum*

15849. *Castilleja Culbertsonii*

15850. *Poa rupicola*

15851. *Agrostis exarata*

15852. *Carex abrupta*

15853. *Carex subnigricans*.

Similar to No. 15821 but from  
drier place in granitic sand.

15854. *Carex spectabilis*

15855. *Carex heteroneura*

Aug. 1, 1940.

15856. *Juncus americana californica*  
In rocks above meadow, 11500 ft.

Alpine slopes & flats, Harrison  
Pass Trail 11500-12000 ft., Inyo Co.

15857. *Castilleja pallens* var.

15858. *Arabis* - aff. *A. Lemmonii*

15859. *Erygon simplex*

15860. *Erysimum capitatum* var.  
*pauciflorum*.

15861. *Oreocarya umbigera*

15862. *Luzula*

15863. *Phacelia desyphylla*  
Crolla lavender, open

15864. *Dracopis pygmaea*

Aug. 1, 1940.

15865. *Carex Hilleri*.

15866. *Carex exsecta*

15867. *Silene Watsoni*

15868. *Rhodiola rosea integrifolia*

15869. *Aster Anderssonii* var.

15870. *Rumex paucifolius*

15871. *Ranunculus Eschscholtzii*

15872. *Salix petrophila* ♂  
var. *caespitosa*

15873. *Salix* " " " ♀

Aug. 2, 1940.

Rocky slope southern exposure  
north and north west of Reflection  
Lake, Inyo Co. ca. 10500 - 11000 ft.

15874. *Agrostis hernalis*

15875. *Eriogonum Breweri*.

15876. *Mimulus Breweri*.

15877. *Lisianthus ciliatus*

15878. *Galium Munzii* var.  
*subalpinum*

15879. *Potentilla gracilis*

15880. *Viola purpurea*

15881. *Muhlenbergia montana*

15882. *Muhlenbergia squarrosa*

Aug. 2, 1940.

15883. *Streptanthus gracilis*  
Type region.

15884. *Cheilanthes siligrosa*

15885. *Cryptogramma acrostichoides*

15886. *Athyrium americanum*

15887. *Scirpus criviger*

15888. *Aster adscandens*

15889. *Actaea spicata* var. *arguta*

15890. *Cirsium ochrocentrum* ?

Heads sessile or short-pedunculate  
in cluster at top of erect stem.

Plant with several branches from  
base. Only 1 plant like this seen.

Aug. 2, 1940.

15891. *Cirsium occidentale* var. ?  
Flowers rosy-lavender. Plants  
rather common.
15892. *Parnassia californica*
15893. *Castilleja Brooksii*
15894. *Gnaphalium Masonii*
15895. *Ipfieldia occidentalis*
15896. *Lomatium Torreyi*
15897. *Anaphalis margaritacea*
15898. *Sedum stenopetalum*
15899. *Silene Menziesii*
15900. *Linum Lewisii* var. *alpicola*

Aug. 2, 1940.

15901. *Hypericum anagalloides*

15902. *Gnaphalium polvatum*

15903. *Polygonum Kolloggin*

*capillaris*

15904. *Juncus*, (*brachystylus*)

High slopes and meadows west  
of Reflection Lake, 11000 - 11500 ft.  
Tulare Co.

15905. *Aquilegia formosa*

15906. *Potentilla Drummondii*

15907. *Viola Moultonii*.

15908. *Phyllodoce Breweri*

15909. *Luzula*



Aug. 2, 1940.

15910. *Epilobium glaberrimum*.
15911. *Hedeostemum alpinum*
15912. *Potentilla flabellifolia*
15913. *Saxifraga nivalis*
15914. *Araba Lemmonii*
15915. *Arabis retrofracta*
15916. *Carex phaeocephala*
15917. *Carex Preslii*
15918. *Salix petrophila* var. ♀  
*caespitosa*
15919. *Salix* " " " ♂
15920. *Eryngium ovalifolium* nivalis

Aug. 2, 1940.

15921. *Lupinus nanus* var.  
bicolor.
15922. *Solidago crugnosa*
15923. *Lewisia pygmaea*
15924. *Erigeron simplex*
15925. *Arabis Howatsonii*  
Only in crevices of cliffs.
15926. *Rumex paucifolius*
15927. *Lewisia pygmaea*
15928. *Araba Breweri* var. *subloxa*
15929. *Arabis platysperma*

Reflectin Lake, Inlano Co.

Aug. 2, 1940.

15930. *Arabis retrofracta*

15931. *Epilobium brevistylum*

15932. *Carex diasperma*

East Lake, Inlano Co. (South end)

Aug. 3, 1940.

15933. *Galium Broudyi*.

15934. *Mertia Chamissoi*

15935. *Hordeatherum Jeffreyi*.

15936. *Ranunculus Eschscholtzii*

15937. *Carex proceptorium*

15938. *Callitriche autumnalis*

Aug. 3, 1940.

15939. *Vernicia supyrellifolia*

15940. *Subularia aquatica*

15941. *Penstemon Bridgesii*

15942. *Luzula*

15943. *Saxifraga foliosa*

15944. *Festuca supina*

15945. *Agrostis exarata*

15946. *Cyrtopteris fragilis*

15947. *Epilobium brevistylum*  
var. *tenue*.

15948. *Carex illota*

15949. *Phleum alpinum*

Aug. 3, 1940.

15950. *Luzula*

15951. *Carex multicaulata*

15952. *Carex heteroneura*

15953. *Carex festivella*

15954. *Polygonum Kelloggii*

15955. *Rodocula curvisiliqua*

15956. *Alopecurus aequalis*

15957. *Limnolobos aquaticus*

Aug. 4, 1940.

West side of East Lake near mouth  
of Angel Creek, Inyo Co.

15958. *Ribes cereum*

15959. *Oenothera nuda*

15960. *Salix Eastwoodae* ♀

15961. *Salix Eastwoodae* ♂

15962. *Salix subcoerulea*

15963. *Heuchera rubescens* var.  
*nevadense*.

Angel Basin between East Lake and

Mt. Brewer, ca. 10000 ft.

15964. *Selaginella Watsoni*

15965. *Calamagrostis inexpansa*

15966. *Veratrum californicum*

Aug. 4, 1940.

15967. *Carex abrupta*.
15968. *Epilobium angustifolium*
15969. *Prunus emarginata*
15970. *Pyrula minor*
15971. *Castilleja Brooksii*
15972. *Kelloggia galioides*
15973. *Sphaerocodium capitellatum*
15974. *Juripeus occidentalis*  
Not common in these parts.
15975. *Castanopsis sempervirens*
15976. *Spiraea splendens*

Aug. 4, 1940.

Angel Basin, ca. 10500 ft.  
Inlano Co.

15977. *Juncus*

15978. *Vernicia alpina* var.  
*alternifolia*

15979. *Cassiope Murtensiana*

15980. *Cyrtopteris fragilis*

15981. *Poa epilis*

15982. *Oryzopsis Kingii*

15983. *Primula suffruticosa*

15984. *Stellaria crispata*

15985. *Scirpus Clementis*

15986. *Poa rupicola*



Aug. 4, 1940.

15987. *Carex stramineiformis*
15988. *Draba* - aff. *D. crassifolia*
15989. *Carex festivella* (Schickel)
15990. *Woodia scopulina*.
15991. *Carex brevipes*
15992. *Leptodactylon pungens* var.  
*Hortarii*.
15993. *Eriogonum palauense*
15994. *Saxifraga bryophora*.
15995. *Zygoderus venosus*.

Aug. 5, 1940.

Between East Lake and Reflection  
Lake, Inland Co.

15996. *Arnica mollis* <sup>2</sup>.

15997. *Vaccinium occidentale*

15998. *Carex illota*

15999. *Achillea lanulosa*.

16000. *Carex nevada*.

16001. *Carex spectabilis*

16002. *Agoseris glauca* var.  
*laciniata*

16003. *Muhlenbergia filiformis*

16004. *Muhlenbergia filiformis*

16005. *Polygonum minimum*

Aug. 5, 1940.

16006. *Mertensia ciliata* var.  
*stunataeoides*
16007. *Lilium pardalinum* var.  
*parviflorum*. Fls. fragrant.
16008. *Spiranthes Romanzoffiana*
16009. *Froscera speciosa*.

Reflectum Lake, Inland Co.

16010. *Pinus Murrayana*
16011. *Mimulus puniceoides*
16012. *Lonicera conjugialis*
16013. *Ledum glandulosum*

Aug. 6, 1940.

Mt. Brewer, 11500-12500 ft.,

Inyo Co.

16013A. *Scirpus crinitus*

16014. *Carex paucicostata*

16015. *Herba Lemmonii*

16016. *Poa Leberghii*

16017. *Arabis Lemmonii*

16018. *Carex Hillebr.*

16019. *Oxyria digyna.*

16020. *Carex Preslii*

16021. *Salix petrophila caespitosa* ♀

16022. *Salix petrophila caespitosa* ♂

Aug. 6, 1940.

16023. *Lewisia pygmaea*
16024. *Senecio Muhlii*
16025. *Penstemon Menziesii* var.  
*Davidsonii*
16026. *Pinus albicarpa*
16027. *Lewisia pygmaea*
16028. *Penstemon suffruticosus*

Near East Lake, Dulane Co.

16029. *Hockelia fluitans*  
collected by Mrs. + Mrs. Idubert  
Eloesser.

Aug. 7, 1940.

South end of East Lake, Inland Co.

16030. *Pyrola secunda*

16031. *Mimulus primuloides*  
var. *pilosellus*

16032. *Gentiana Anovella* var.  
*acuta*.

16033. *Potentilla glandulosa* var.  
*nevadensis*.

16034. *Agrostis thurberiana*

16035. *Bromus ciliatus*

Aug. 8, 1940.

Harrison Pass Trail 11500-12000  
ft., Inland Co.

16036. *Carex gymnoclada*.  
16037. *Arabis* - aff. *A. Lemmonii*  
16038. *Epilobium angulidifolium*?  
16039. *Koeleria cristata*  
16040. *Poa repens*  
16041. *Pentstemon geniculatus*  
16042. *Poa nervosa*  
16043. *Poa Leibergii*  
16044. *Polemonium eximium*  
16045. *Potentilla Lemmonii*

Aug. 8, 1940.

16046. *Eriogonum compositum*
16047. *Ribes cereum*.
16048. *Calamagrostis Breweri*.
16049. *Lewisia pygmaea*
16050. *Minulus Sutkadofii*  
with tiny yellow flowers.
16051. *Gentiana tenella*
16052. *Montia Chamissoi*
16053. *Stellaria crispata*
16054. *Pentstemon Menziesii* var.  
*Davidsonii*
16055. *Gentiana Newberryi*.



Aug. 8, 1940.

16056. *Festuca supina*

16057. *Calamagrostis purpurea*.

16058. *Carex stamineiformis*

16059. *Saxifraga fallax*

16060. *Eriogonum ovalifolium* var. *nivale*.

Harrison Pass Trail, ca. 10500 ft.,  
Inland Co.

16061. *Pinus Balfouriana*

16062. *Stephanomeria tenuifolia*

East Lake, Inland Co.

16063. *Aster adscendens* var.  
*Fremontii*

16064. *Dufourea montana*

Aug. 9, 1940.

Reflection Lake, Inlaca Co.

16065. *Gentiana calycosa*.

Collected by Ann Schultz and  
Elliott Hansen.

Between East Lake and Junction  
Meadow, Fresno Co.

16066. *Eriogonum Wrightii* ssp.  
*subcaposum*.

16067. *Silene montana*

16068. *Silene bernardina*

16069. *Prunus emarginata*

Bubbs Creek Trail between Junction  
Meadow and Vidette Meadow,  
Fresno Co.

16070. *Carex Breweri*

16071. *Pyrrola asarifolia* var.  
*incarnata*

Aug. 9, 1940.

16072. *Carex aurea*

16073. *Amelanchier pallida*

16074. *Lupinus confertus*.

16075. *Rosa ultramontana*

Between Vidette Meadow and Bullfrog  
Lake, Fresno Co.

16076. *Ceanothus occidentalis* var.?  
Flowers rosy-maroon!

16077. *Pinus Balfouriana*

16078. *Phacelia tetraphylla* var.  
corolla lavender when fresh.

16079. *Bromus cicutiflorus*

16080. *Arnica mollis*?

Aug. 9, 1940.

Bullfrog Lake, Fresno Co.

16081. *Eriogonum scapigerum*

16082. *Scirpus paniculatus*

"

16083. *Scirpus Clementis*

16084. *Carex proaeptum*

16085. *Carex brevipes*

16086. *Carex subnigrum*

16087. *Castilleja pallens* var.

16088. *Carex abrupta*

16089. *Carex Congdonii*

16090. *Carex stamineiformis*

16091. *Castilleja Culbertsonii*

Aug. 10, 1940.

Juniper Meadow, Fresno Co.

16092. *Pyrola picta*.

16093. *Colobotus Leichtlinii*

16094. *Chenopodium fremontii*

16094A. *Chenopodium atrovirens* ?

16095. *Salix Scouleriana*

16096. *Populus trichocarpa*

16097. *Abies magnifica* var.  
*abertensis*

16098. *Abies concolor*

16099. *Cirsium Drummondii*

Caulescent (1½') + aculescent together.

16100. *Cirsium Drummondii*.

Aculescent

16100A. *Erigeron Breweri*

Aug. 10, 1940.

16101. *Stroacelum lanatum*.
16102. *Symphoricarpa vaccinioides*?
16103. *Lilium pardalinum*  
var. *parviflorum*  
Between Junction Meadow and  
Charlotte Creek, Fresno Co.
16104. *Populus tremuloides*
16105. *Salix Lemmonii*.
16106. *Betula fontinalis*
16107. *Sarcodes sanguinea*
16108. *Sorbus californica*

Aug. 10, 1940.

Bubbs Creek Trail between Charlotte  
and Sphinx creeks, Fresno Co.

16109. *Pinus jeffreyi*

16110. *Salix lasiantha* var.  
*lanceifolia*.

16111. *Galium triflorum*

16112. *Oenothera Hookeri*.

Zigzags of Bubbs Creek Trail at  
east end of Kings River Canyon, Fresno Co.

16113. *Mimodella lanceolata*.

16114. *Stephanomeria virgata*

16115. *Eriogonum virgatum*

16116. *Coethogyne filaginifolia*  
var. *rigida*

16117. *Salix laevilepis*

Aug. 10, 1940.

16118. *Aspidium argutum*.

16119. *Pinus monophylla*

16120. *Epilobium paniculatum*.

16121. *Aster yosemitanus*

16122. *Selaginella Watsonii*

16123. *Lonicera interrupta*

Mouth of Butts Creek, Fresno Co.

16124. *Alnus rhombifolia*

16125. *Acer macrophyllum*

16126. *Garrya pallida* Eastw.

Type region.



Aug. 10, 1940.

Between mouth of Butte Creek  
and Mist Falls, Fresno Co.

16127. *Cumandra pallida*

16128. *Phacelia* <sup>serena</sup> ~~californica~~ var  
*serena*.

16129. *Athyrium filix-femina*

16130. *Juncus*

16131. *Agostoeche verticifolia*

16132. *Mentha arvensis*

16133. *Selaginella Hanseni*.

16134. *Eriogonum virgatum*

16135. *Mimulus cardinalis*.

16136. *Lochnera spicata*

Aug. 10, 1940.

Mouth of Butts Creek to Zimmelt  
Meadows, Canyon of S. Fk. Kings  
River, Fresno Co.

16137. *Salix melanopsis*

16138. *Chrysothamnus Parryi*  
var. *vulcanicus*

16139. *Panicum occidentale*

Zimmelt Meadows, Kings River  
Canyon, Fresno Co.

16140. *Eriogonum Wrightii* var.  
*trachygynum*.

16141. *Lesqueria leptoclada*

16142. *Huzelia sparsiflora*

Flowers open in evening, ochroleucous.

16143. *Galium pubens*

16144. *Stephanomeria virgata*

16145. *Eriogonum virgatum*

King River Canyon at Horseshoe  
Bend, Fresno Co. Aug. 11, 1940.

16146. *Eriogonum virgatum*

16147. *Buckellia* ~~B~~ *californica*

16148. *Nana Parryi*.

Hume Lake, Fresno Co.

16149. *Phacelia stimularis*. *ambrosioides*  
*ssp. subsericea*.

16150. *Stephanomeria virgata*

16151. *Eriogonum virgatum*

16152. *Eriogonum inerme*

Near north entrance to Gen. Grant  
Park on road to Fresno, Fresno Co.

Aug. 11, 1940.

1 16153. *Asclepias eriocarpa*

16154. *Ceanothus divergens*

Sprawling bushes up to 5 ft. tall, forming rounded masses intricately branched generally.

Serpentine belt west of Ruthford at elevation of about 800 ft. on the Hubert Blosser place, Napa Co. Mar. 9, 1941.

16155. *Pachystima myrsinites*

About midway between Laurel Dell and Barth's Retreat, Mt. Tamalpais, Marin Co.

Just before finding this new station for *Pachystima* on Mt. Tamalpais, I visited the place where Mr. Robert H. Menzies found the first Marin Co. specimen about  $\frac{1}{2}$  mile se. of Laurel Dell.

Mar. 16, 1941.

Apr. 5, 1941.

16156. *Minulus modestus*

Showing notable variations: one flower with abortive corolla as in *M. cleistogamiae*; a number of flowers with small (7 mm) corolla scarcely exerted from calyx and apparently not opening; one plant with large open flowers (2 cm. long). Shallow soil on tuff on edge of chopwood, Franz Valley, Napa Co.

16157. *Carex globosa*

On exposed slope near preceding, inflorescence very short.

16158. *Carex globosa*.

Shaded woods near preceding, peduncle long.

Apr. 5, 1941.

The following collections show variations in *Ceanothus divergens*.

M. M. S. Baker discovered the colony.

16159. *Ceanothus divergens* Parry  
Plants broad forming mounds, the central stems erect, those on the periphery spreading + layering. Tallest stems 5 ft. tall.
16160. *Ceanothus divergens* Parry  
Plant with unusually long erect branches or stems.
16161. *Ceanothus divergens* Parry.  
Low shrub 1-1½ ft. tall with numerous short branches, none elongate.
16162. *Ceanothus divergens*  
Low sproggly plant with plant branchlets. Growing in deep shade under other shrubs.

Apr. 5, 1941.

16163. *Selaginella Wallacei*  
Exposed rocks near preceding.  
Franz Valley, Napa Co.
16164. *Doris Fernaldii*  
Between Franz Valley and  
Calistoga, Napa Co.
16165. *Phacelia unguiculata*  
With the preceding. Corolla  
open-tubular, the segments  
scarcely closing in even in age.  
From a very robust plant on  
road cut.
16166. *Ceanothus divergens*  
Shrubs on edge of old vineyard  
ca. 1 mile sw. of Calistoga in air-  
line, on Connor's Ranch.



Apr. 5, 1941.

16167. *Ceanothus divergens*

With preceding. In habit quite like plants at Franz Valley and at Elsoesser's (cf. No. 16154).

16168. *Ceanothus* - hybrid

Obviously a hybrid between *C. divergens* and *C. scervinus* the two members of subgenus *Ceanothus* here. A scruffy bush with stiff branches. Flowers lavender-blue.

16169. *Amainskia intermedia*

With preceding. Throat open, corolla large (relatively!).

16170. *Amainskia intermedia*

With preceding. Throat open, corolla small

Apr. 5, 1941.

16171. *Amorpha intermedia*  
With preceding. Corolla throat  
closed. Corolla more orange with  
reddish blotches.

16172. *Ceanothus Panyzi*.  
Shrub 6-8 ft. tall on east  
side of Rivier Ridge, Sumner  
Co. Flowers deep lapis blue.

16173. *Ceanothus foliosus*  
Shrub about 3 ft. tall near  
preceding. Flowers lighter blue.

16174. *Ceanothus* - hybrid?  
+ lower  
A little taller than the  
preceding with which it grows.  
Perhaps 16173 x 16172?

16175. *Delphinium variegatum*?

In low wet marshy field  
about 1 mile south of El Verano,  
Sonoma Co. Flowers vary from  
bright lively blue to deep purple.  
According to Mr. Baker, plants  
similar to this from Cotati  
were determined W. Emiliae,  
by Ewan. Apr. 5, 1941.

16176. *Luzia gouldioides*

Near Klean Flat, n. side of Mt  
Diablo, Contra Costa Co. Apr. 6, 1941.

16177. *Minulus Douglasii*

Seemingly a cleistogamous form  
of *M. Douglasii*. One plant found  
in which normal corolla had  
developed but it had withered. The  
other plants look like those from  
Contra County. Plants growing on

grassy slope east of Deer Flat,  
on n. side of Mt. Diablo,  
Contra Costa Co. Apr. 6, 1941.

16178. *Streptanthus hispidus*  
Gravelly rocky ridge east of  
Deer Flat on n. side of Mt.  
Diablo, Contra Costa Co.  
Apr. 6, 1941.

16179. *Allium Breweri*  
With preceding.

16180. *Sanicula saxatilis*  
With preceding.  
The ridge on which the preceding  
rarities grew forms the east side  
of Mitchell Canyon.

16181. *Cryptantha Hooveri*  
With preceding.

16182. *Sedella pentandra* H. K. S.

Moist rocky northern slope  
near Helen Flat, Mt. Diablo.

Bloomed after I brought it

home on Apr. 22, 1941.

Collected Apr. 6, 1941.

16183. *Lupinus formosus*

Near Lone Tree, Mt. Diablo,  
Marin Co., on grassy ridge in  
shallow soil. May 18, 1941.

16184. *Cirsium quercetorum* X

Lone Tree Trail to Stinson Beach,  
Marin Co. Plants low as in *C.*  
*quercetorum*, ca. 1.5 ft. tall.

16185. *Desman Smithii*

Steep Ravine, Marin Co.

May 18, 1941.

May 18, 1941.

16186. *Oxalis pilosa*  
Steep Ravine, w. end of Mt.  
Tamalpais, Marin Co.

16187. *Trifolium barbigarum*  
Sleep Ravine, Marin Co.

16188. *Cirsium Coulteri*  
Stinson Beach, Marin Co.

16189. *Grindelia rubra* ~~var. densa~~  
Stinson Beach, Marin Co.

16190. *Castilleja*  
Stinson Beach, Marin Co.

16191. *Phacelia*  
Stinson Beach, Marin Co.

16192. *Phacelia*  
Stinson Beach, Marin Co.

16193. Minulea Douglasii

Gravelly slope near Rock Spring,  
Mt. Mansfield, Marin Co.

On May 30 on Sierra Club Nature  
Study Group walk we discovered

Minulea Douglasii in flower at  
this place. Today I return and

find M. cleistogama common!

This and other observations indicate  
that my "species" is nothing more

than a phase of M. Douglasii.

May 18, 1941.

16194. Lupinus collinus

On rocks near of Bootjack,  
Mt. Mansfield, Marin Co.

May 18, 1941.

16195. Cirsium occidentale t. laetiflorum

Near of Bootjack, Mt. Mansfield

May 18, 1941.

16196. *Phacelia*

On rocks nr. of Bootjack,  
Mt. Javalpais, Marin Co.

Corolla whitish; tubular -  
campanulate, the lobes erect,  
not spreading nor incurved  
becoming contracted as withering.  
Not glandular nor odorous.

May 13, 1941.

16197. *Arabis glabra*.

Rocky bank in partial shade near  
Bootjack, Mt. Javalpais. May 25, 1941.

16198. *Festuca dentonensis*

Gravelly soil of Fire Trail between  
West Point and West Peak, Mt.

Javalpais. May 25, 1941.



May 25, 1941.

16199. *Campanula angustiflora*.  
with preceding.

16200. *Festuca octoflora*  
with preceding

16201. *Poa Hornellii*  
With preceding.

16202. *Melica Torreyana*.  
Shady place, Arturo Trail, Mt.  
Tamalpais.

16203. *Poa Hornellii*  
With preceding.

16204. *Melica Harfordii*  
With preceding.

16205.

Near preceding on rocks.

May 25, 1941.

Arturo Trail, Mt. Tamalpais.

16206. *Bromus laevipes*

16207. *Calamagrostis purpurascens*

Rifle Camp, Mt. Tamalpais

16208. *Festuca idahoensis*

16209. *Festuca nigricans*

16210. *Danthonia californica*

16211. *Stipa pulchra*

16212. *Koeleria cristata*

16213. *Poa serotina*

16214. *Melica californica*

16215. *Elymus glaucus*

May 25, 1941.

16216. *Festuca rubra*.

Like No. 16208 but almost anther.

16217. *Poa pratensis*

16218. *Phalaris californica*

16219. *Bromus carinatus*

Peters Meadow or just to east,  
Mt. San Jacinto

16220. *Orthocarpus*

16221. *Microsacis Douglasii*

16222. *Festuca pacifica*

16223. *Briza maxima*.

16224. *Loxochampsis holciformis*

May 25, 1941.

Potrero Meadow or just to east of  
it, Mt. Sanalpois.

16225. *Panicum pacificum*

16226. *Trisetum* ~~canadense~~

16227. *Melica Geyeri*

16228. *Limonium*

Between Potrero meadows and the  
Mt. Hunter, Mt. Sanalpois

16229. *Chrysanthe polypodioides*

16230. *Festuca reflexa*

16231. *Silene jubata*

New Bootjack, Mt. Sanalpois.

16232.

May 25, 1941.

16233. *Festuca Grayi*

16234. *Delphinium hesperium*

16235. *Trifolium barbigerum*

16236. *Sitanion Hanceanum*

16237. *Stipa lepida*

16239. *Sitanion jibotum*

16240. *Melica Soneyana*.


16241. *Arabis Davidsonii*

Crevices of granite near head  
of Nevada Falls, Yosemite Park,  
Mariposa Co. May 30, 1941.

16242. *Phacelia Eisenianii*

Shallow soil in cleft of rocks  
along Vernal Falls Trail just  
below bridge, Yosemite, Mariposa  
Co. - Corolla very small, pale  
lavender. May 30, 1941.

16243. *Phacelia Duckertii*

Sandy soil at east end of  
Yosemite Valley, Mariposa Co.  
Corolla lavender, campanulate -  
funnelform  June 1, 1941.

16244. *Lupinus ochroleucus* n. sp.

Sprawly perennial. Corolla ochroleucous.  
About midway between Escalante and  
Mariposa, Mariposa Co. June 1, 1941.


June 8, 1941.

Hills ne. of San Rafael, Marin Co.

16245. *Psoralea macrostachya*

16246. *Rumex salicifolius* ~~is *rumex* *scutellarioides*~~

16247. *Phacelia*

Corolla aridid white, tubular - campanulate,  
the lobes straight or spreading very  
little , becoming involute on  
withering. Not glandular nor bad-  
smelling.

16248. *Galium*

Very common in grassy open sur-  
rounded by brush.

16249. *Cirsium ventrifolium*  
sp. *pseudocarlinsoides*

16250. *Angelica tomentosa*

16251. *Stipa pulchra*

June 8, 1941.

16252. *Hemizonia*

16253. *Quercus Douglasii*  
Not common.

16254. *Habenaria*

Flowers tinged with green.

16255. *Valeriana Kelloggii*

Common on shaded slopes

16256. *Ribes Victoris Greene* !!!

On shaded northern slopes along trail. Only 2 shrubs seen, each about 3 ft. tall and widely branched.

16257. *Trifolium variegatum*  
Exhibiting 2 distinct phases.

16258. *Navarretia*



June 8, 1941.

16259. *Paronychia franciscana*

16260. *Eriogonum nudum*

16261. *Eriogonum nudum*

Petioles tomentose! With prostr. .

16262. *Legisticum apifolium*

16263. *Agoseris trisuta*

16264. *Lupinus formosus*

Low sprawling plants on open grassy  
ridges. Flowers violet, being solid.

16265. *Arctostaphylos Margarita*

16266. *Rhamnus coccia*

Low broad bushes.

June 8, 1941.

Near Mc Nam's Landing, in a  
border of salt marsh, Marin Co.

16267. *Sagina occidentalis*

16268. *Plantago*

16269. *Centunculus*

16270. *Callitriche Bolanderi* (mixed  
with *C. marginata*).

16271. *Juglans covillei*.

16272. *Juglans montana*

In middle of salt marsh; the  
planting on the border.

16273. *Lilaea scilloides*

On border of salt marsh.

June 10, 1941.

Low flats bordering drainage ditches  
between Novato and Black Point,  
Marin Co

16274. *Allocaarya*

16275. *Phalaris Lemmonii*

16276. *Spargularia villosa*

With white flowers. Growing with *S.*  
*rubra* with narrow flowers.

16277. *Lupinus micranthus*

16278. *Polygonum lapathifolium* x *P. persicaria*?  
Flowers yellowish green.  
cf. *peruvianum*! (G.M. 1/63)

16279. *Polygonum Persicaria*

Like preceding + growing with it but  
flowers very pink.

16280. *Pleurapogon californicus*

16281. *Dactyloctenium dentriticum*

June 10, 1941.

Hills n.w. of Black Point, Marin Co.

16282. *Agoseris plebeia*

16283. *Lupinus* ~~formis~~

Hills just s. of Black Point, Marin Co.

16284. *Madia*

16285. *Centaurium*

16286. *Habenaria*  
Flowers green.

16287. *Cistus villosus canarius*.  
Petals lavender-rose, yellow at  
very base. Naturalized.

16288. *Cirsium Coulteri*  
Flowers deep red.

16289. *Madia*

June 10, 1941.

16290. *Grindelia hirsutula* var.  
*hirsutula*

16291. *Castilleja*

16292. *Sitarion jubatum*

16293. *Festuca idahoensis*

16294. *Agrostis douglasii*

Novato, Marin Co.

16295. *Phalaris angustata*  
*tuberosa stipularis*

Large clumps near highway.

Grassy fields & along stream bed,

9 miles w. of Novato, Marin Co.

16296. *Brodiaea teretica*

16297. *Gutierrezia*

16298. *Eleocharis macrostachya*

June 10, 1941.

With the preceding.

16299. *Carex densa*

16300. *Juncus phaeocephalus* var.  
*pauciflorus*

16301. *Ranunculus aquatilis* var.  
*isabellus*

16302. *Eryngium armatum*.

16303. *Rumex crispus*

16304. *Stachys*.

16305. *Loatheria glaberrima*

Summit between Lucas +  
Gallinas valleys, Marin Co.

16306. *Eryngium nudum*  
Stems tomentose + glabrous together

16307. *Layia*

16308. *Phacelia*

Corolla sordid white, open-tubular-compound  $\cup$ .

16309. *Sedum radiatum*

Hills sev. of St. Helena, between  
them and Mt. St. John, on Herbert  
Elliott place, Napa Co.

June 21, 1941.

16310. *Antirrhinum vagans*

On crumbly soil mixed with  
serpentine.

16311. *Navaretia viscidula*

16312. *Galium Nuttallii*

16313. *Eriophyllum confertiflorum*

No rays!

16314. *Polygatum Dudleyi*.

16314A. *Cirsium amblylepis*.

With the preceding.

June 21, 1941.

16314A. *Cirsium amblylops*.

16315. *Loposiphium taternatum*?

On serpentine

16316. *Linum sparganium*

On serpentine

16317. *Centaurium tricanthum*

16318. *Navonitis heterodoxa*

Corolla less showy & more lavender-  
mauve than in no. 16311 &

Leaves more showy.

16319. *Mimodella viridis*

16320. *Ceanothus divigena*.

Where no. 16154 was collected.



Serpentine slope near preceding  
June 22, 1941.

16321. *Chamaetis glaberrima*

16322. *Streptanthus glandulosus*  
Sepals purple - black.

16323. *Mesocentrus fallax* Greene  
Type locality. Petals purple  
with broad white margin. On  
raw serpentine.

16324. *Galium pumilum*  
On grassy slope in clay soil.

June 29, 1941.

Mill Valley, Marin Co.

16325. *Lapsana communis*

Sidewalk weed.

16326. *Linum catharticum*

South side of Mt. Tamalpais on

"Troop 80" trail in partial shade,

just east of Camp Van Wyck, Marin Co.

16327. *Melissa officinalis*

On rock n. of Rock Spring, Marin Co.

16328. *Amelanchier pallida*

Ripe fruit blue-black + juicy.

16329. *Centunculus*

Near preceding.

16330. *Halenia*

June 29, 1941.

Edge of marshy place between Rock  
Spring and Laurel Dell, Marin Co.

16331. *Festuca rubra*

Shallow soil overlying serpentine near  
pocket.

16332. *Centaurea*

Central flowers both sessile + pedicelled.

16333. *Ptilimnion Housmanii*

16334. *Colanogrostis purpurascens*.

16335. *Festuca Eastwoodii*

16336. *Bromus laevipes*

First canyon e. of Laurel Dell, Marin Co.

16337. *Juncus sphaerocarpus*

June 29, 1941.

Wet ground along stream between  
Rock Spring + Laurel Dell, Marin Co.

16338. *Equisetum*

16339. *Juncus Covillei*

16340. *Panicum pacificum*

Laurel Dell, Mt. Tamalpais,  
Marin Co.

16341. *Elymus glaucus* f. n.  
*Ageripogon*

16342. *Elymus glaucus*  
*Ageripogon*

16343. *Phytocarpus capitatus*

Shady woods between Laurel Dell +  
Rock Spring, Marin Co.

16344. *Trisetum cernuum*

June 29, 1941.

Rock Spring Trail, Mt. Tamolpais,  
Maric Co.

16345. *Ceanothus*

Fruit dark-colored, the top  
between the horns tuberculate, the  
horns roughened. No intermediate  
crests.

16345<sup>5</sup>A. *Lupinus* - see below.

Cascade Canyon, Mill Valley, Maric Co.

16346. *Rumex obtusifolius* L.

Broadly branched leafy plants  
about 2½ ft. tall. Looking like  
a cross between *R. crispus* + *R. pulchellus*  
but neither parent immediately present.

16345A. *Lupinus fallax*

South side of Mt. Tamolpais near  
West Point, Maric Co.

July 6, 1941.

Rocks nr. of Bootjack, Mt.  
Tanolpis, Marin Co.

16347. *Phacelia*

Where no. 16196 was collected.

Gravelly flat in serpentine south  
of Bath's Retreat on trail to Camp  
Zeisler, Mt. Tanolpis.

16348. *Streptanthus botrychoides*  
Locally rather common.

Bath's Retreat, Mt. Tanolpis

16349. *Centaurium*

Lint pale pink. Dry grassy slope.

Peters Meadow, Mt. Tanolpis

16350. *Galium*

In damp grassy place near  
*Azalea* + *Lilium pardalinum*.

July 6, 1941.

Kent Trail at Willow Meadows,  
Mt. Mansfield, Maine Co.

16351. *Navaretia*

16352. *Centaurea*

Soil rocky. Flat where water stood.

16353. *Stachelia Michxereri*

Border of chopwood near preceding.

16354. *Juncus Kelloggii*

16355. *Juncus sphaerocarpus*

This + preceding with No. 16352 + 51.

16356.

Moist soil among willows.

16357. *Ribes divaricatum*

Spreading shrub among willows.

July 6, 1941.

With preceding.

16358. *Botrychium*

2 plants seen.

16359. *Cicuta Douglasii*

Numerous plants in bog.

Hidden Lake, a little west of  
middle part of Kootenai Trail, Mt.  
Tanzelhorn.

16360. *Saxifraga*

Submerged.

16361. *Gratiola*

Submerged except for upper  
flowering part. Corolla pale yellowish  
with light pink margin.

16362. *Eleocharis Engelmannii*

Wet meadow. Also Nos. 16354, 5.



July 6, 1941.

16363. *Juncea phaeocephala* var.  
*pumilata*.

16364. *Quercus garryana*  
Clump of low trees or arborescent shrubs  
10-15 ft. tall.

16365. *Thermopsis macrophylla*.

Camp Hogan, a little east of  
Kest Trail, Mt. Sanalpas

16366. *Deschampsia elongata*

Border of chaparral on grassy slope  
between Camp Hogan and Rabbit Ridge  
Fire Trail, Mt. Sanalpas

16367. *Navonnetia*

Corolla bluish - lavender to mauve.  
Herbage pungently odorous but  
scarcely mephitic

July 6, 1941.

Roddy Ridge Fire Trail near  
intersection of Hidden Lake Trail,  
Mt. Inselparis.

16368. *Navonina*

The commonest species of n. on  
sagebrush on n. side of Mt. Inselparis.

16369. *Cuscuta*

Lake Lagunitas Meadows., Marin Co.

16370. *Centaurium*

On flat grassy place, wet earlier.  
Limb road.

16371. *Agrostis* ssp.

with preceding.

Fish grade, Marin Co.

16372. *Cirsium* *Cochlear*

16373. *Plantago*.

Phoenix Lake, Marin Co. July 6-1941

16374. *Jypha*

Swampy place at Boljack,

Mt. Tampeis, Marin Co. July 16, 1941.

16375. *Polygonum dentatum*

16376. *Juglchin maritima*

Serpentine slope se. of Laurel Hill,

Marin Co. July 16, 1941.

16377. *Medea*

Meadow near Rock Spring, Marin Co.

July 16, 1941.

16378. *Titania Hansenii*

16378A. *Spiranthes perfoliata*

July 22, 1941.

Mono Pass between Inyo and  
Fresno counties, 11500 - 12000 ft.

16379. *Senecio Muriei*

16380. *Lesqueris Muriei*

16381. *Draba sericea*

16382. *Carex phaeocephala*

16383. *Eriogonum radiatum*

16384. *Carex Rosarii*

16385. *Arabis Lemmonii*

16386. *Arabis Howellii*

16387. *Phlox caespitosa*

16388. *Sparganium umbellata*

July 22, 1941.

16389. *Potentilla pseudosericea*.
16390. *Eriogonum ochrocephalum*  
var. *agullum*.
16391. *Draba oligosperma* var.  
*subsessilis*.
16392. *Draba Lemmonii*.
16393. *Erysimum asperum* perenne.
16394. *Lupinus Lobbii*
16395. *Leuzisia pygmaea*.
16396. *Castilleja nana*.
16397. *Spergularia candicifera*  
a couple of hundred feet higher than  
No. 16388.

July 22, 1941.

Lower part of Mono Pass Trail  
near Mosquito Flat, Inyo Co.

16398. *Phacelia* ~~sp.~~  
~~sp.~~
16399. *Ivesia lycoperdivides*  
*megalopetala*.
16400. *Castilleja adenophora* n. sp.  
T. J. H.
16401. *Salix ovestera* ♂
16402. *Salix ovestera* ♀
16403. *Carex brevipes*
16404. *Vaccinium caespitosum*

Mosquito Flat, Rock Creek Lake  
Basin, Inyo Co.

16405. *Cryptantha glomeriflora*
16406. *Amelanchier siskiyouensis*.

July 23, 1941.

Agnew Meadows, Modera Co.

16407. *Allocarya hispida*

16408. *Senecio Covillei*

16409. *Carex heteroneura*

Between Agnew Meadows and  
mouth of Garnet Creek, Modera Co.

16410. *Salsola Xanthii*

16411. *Lupinus fulcratus*

16412. *Donatium nevadense* var.  
*Pavshii*

16413. *Erigeron Elmeri*.

Rays pale, lavender or pink.

July 24, 1941.

In vicinity of camp on middle  
part of n. shore of Garnet Lake,  
Madison Co.

16414. *Cassiope mertensiana*  
16415. *Streptanthus tortuosus* var.  
*orbiculatus*.  
16416. *Phyllodoce Breweri*.  
16417. *Saxifraga oprica*  
16418. *Poa nervosa*  
16419. *Carex stramineiformis*  
16420. *Pellaea Breweri*.  
16421. *Lupinus dorsalis*.  
16422. *Castilleja Penzancei*.  
16423. *Arctostaphylos nevadensis*.



July 24, 1941.

16424. *Ribes montigenum*

16425. *Poa gracillima*

16426. *Eriogonum compositum discolor*

16427. *Carex exsecta*.

16428. *Carex brevipes*.

16429. *Juncus Parryi*.

16430. *Achillea lanulosa alpicola*

16431. *Allium parvum*.

16432. *Arenaria capillaris*

16433. *Silene Watsonii*

16434. *Lewisia triphylla*.

July 24, 1941.

Near camp, Garnet Lake, Meade Co.

16435. *Eriogonum incanum*
16436. *Vaccinium cespitosum*
16437. *Eriogonum asperum*  
(= *E. nevadense*).
16438. *Lewisia nevadensis*
16439. *Lewisia pygmaea*
16440. *Antennaria media*.
16441. *Salix petrophila cespitosa*
16442. *Eriogonum simplex*
16443. *Penstemon heterodoxus*
16444. *Carex Rossii*
16445. *Vaccinium occidentale*

July 25, 1941.

Between Giant Lake and mouth of  
Giant Creek, Modera Co.

16446. *Lupinus Lobbian*

Between Agnew Meadows and San  
Joaquin River, Modera Co.

16447. *Penstemon azureus*

16448. *Amelanchier siskiyouensis*

16449. *Sonchella laevis*

Agnew Meadows, Modera Co.

16450. *Polygonum Kelloggii*

16451. *Fimbristylis bella*

16452. *Penstemon heterodoxus*

16453. *Descurainia Richardsonii* pop.  
*incisa*

July 25, 1941.

Agnew Meadows, Modera Co.

16454. *Horkelia fusca pauciflora*.

16455. *Galium bifolium*

16456. *Carex abrupta*.

16457. *Juncus orthophyllus*

16458. *Carex scopulorum*.

16459. *Carex integra*

16460. *Carex albostachya*.

16461. *Carex Rossii*

16462. *Eriophyllum lanatum monense*

16463. *Phacelia frigida* var. *daucifolia*

16464. *Phacelia frigida* var. *daucifolia*

Both growing in primitive gravel.

July 26, 1941.

Agnew Meadow, Modera Co.

16465. *Luzula multiflora*

16466. *Carex jonesii*.

16467. *Symphoricarpos vaseioides*

16468. *Anemone siskiyounensis*

16469. *Ribes inerme*.

July 27, 1941.

Lake Clair, Shadow Lake Trail,  
Modera Co.

16470. *Corallorhiza maculata* ?

Flowers yellow + white.

Canyon of Md. Fk. San Joaquin River  
opposite Shadow Creek, Modera Co.

16471. *Sedum obtusatum*

Near camp, Garnet Lake,  
Modena Co. July 28, 1941.

16472. *Luzula divaricata*

16473. *Salix orestera*

Between Shadow Lake and Garnet Lake,  
Modena Co. July 29, 1941.

16474. *Heperochiron*

Near camp, Garnet Lake, Modena  
Co. July 30, 1941.

16475. *Fritillaria pinetorum*

Det. Dorothy Beetle

16476. *Potentilla flabellifolia*

16477. *Penstemon Newberryi*.

16478. *Castilleja Brooksii*

16479. *Arnica nevadensis*

July 30, 1941.

16480. *Eriogon salicifolium*.
16481. *Senecio lugens* var.  
*exaltatus*
16482. *Carex heteroneura*
16483. *Bromus cuneatus linearis*
16484. *Heuchera rubescens* var.  
*Rydbegiana*.
16485. *Carex spectabilis*
16486. *Dodecatheon alpinum*.
16487. *Carex nigricans*
16488. *Mitella Borealis*.
16489. *Leptodactylum pungens*  
*tennifolium*
16490. *Silene Hystrix californicum*.

July 30, 1941.

Near Camp, Garnet Lake, Modoc Co.

16491. *Stipa californica*

16492. *Sitanion* [*Hystrix*] *longifolium*

16493. *Stipa occidentalis*

16494. *Monardella odoratissima*  
    *ssp. parvifolia*

16495. *Scymnella nutans*

16496. *Imatiium nevadense* var.  
    *Parisii*

16497. *Lithophragma acutella*.

16498. *Luzula spicata*

16499. *Linanthus ciliatus*

16500. *Castilleja adenophora*.



July 30, 1941.

16501. *Spiza denaiflora*  
16502. *Melica stricta*  
16503. *Holcus Boursieri*  
16504. *Eriogonum Elmeri*.  
16506. *Carex multicaulata*  
16507. *Carex fissuricola*.  
16508. *Halfordium Fendleri*.  
16509. *Luzula subcongesta*  
16510. *Kalmia polifolia microphylla*.  
16511. *Viola MacDougalii*  
16512. *Eriogonum scapigerum*.

July 30, 1941.

Near camp, Garnet Lake, Modoc Co.

16513. *Veronica alpina* var.

*alterniflora*

16514. *Cryptogramma acrostioides*

16515. *Juncus nevadensis*

16516. *Epilobium angustifolium*

16517. *Brodiaea - Tritaleia eximius*  
var. *aralina*

16518. *Lithophragma glabra* *albifera*.

16519. *Saxifraga - Micranthes montana*

16520. *Arabis lignifera* ?

16521. *Sparganium umbellata*

16522. *Collinsia Wrightii*

16522A. *Collinsia parviflora*

16523. *Minulus Breweri*

July 30, 1941.

16524. *Poa secunda*

Near Thousand Island Lake,  
Madison Co.

16525. *Sphenosciadium capitelatum*

16526. *Poa Leibergii*

16527. *Selaginella Watami*.

16528. *Antennaria rosea*

16529. *Carex filifolia*

16530. *Gayophytum Nuttallii* var.  
*intermedium*

16531. *Carex stramineiformis*

16532. *Luzula spicata*

16533. *Saxifraga hypnoides*.

Near Howard Island Lake,  
Modena Co. July 30, 1941.

16534. *Potentilla Breweri*.

16535. *Solidago conyubosa*.

16536. *Antennaria media*

16537. *Erygon simplex*

16538. *Minulus leptaleus*

Agnew Pass Trail between San  
Joaquin R. and pass, Modena Co.  
July 31, 1941.

16539. *Osmorhiza occidentalis*

16540. *Fritillaria pictorum*

16541. *Cymopterus terebinthinus*

July 31, 1941.

16542. *Silene montana*.
16543. *Hastelia floribunda*
16544. *Mertensia Chamissoi*.
16545. *Castilleja Breweri* var. *truncata* var. *pallida*.
16546. *Delphinium leucopurpureum*.
16547. *Gilia aggregata*
16548. *Dodecatheon alpinum*.
16549. *Colochortus Leichtlinii*
16550. *Allium Arutiniae*
- 16550A. *Allium bisceptrum*
16551. *Anabis Drummondii*
16552. *Sambucus strobilata*

July 31, 1941.

Agnew Pass Trail between San  
Joaquin River and the pass, Merced Co.

16553. *Allium validum*

16554. *Helophium patens*.

16555. *Carex multicaulis*

16556. *Carex heteroneura*

16557. *Hordeum nodosum*.

16558. *Carex abrupta*.

16559. *Carex specifica*

16560. *Carex jonesii*

16561. *Carex abrupta*

16562. *Luzula parviflora*

July 31, 1941.

16563. *Carex nevadae*.
16564. *Ranunculus alismifolius*  
var. *alismellus*
16565. *Carex multicaulis*.
16566. *Carex Whitneyi*.
16567. *Polemonium occidentale*
16568. *Eryngium umbellatum*  
ssp. *polyanthum*
16569. *Trisetum spicatum*.
16570. *Poa secunda*
16571. *Carex Jonesii*
16572. *Juncus nevadensis*
16573. *Carex Lemmonii*.

July 31, 1941.

Agnew Pass Trail between San  
Joaquin R. + Pass, Modoc Co.

16574. *Carex subfusca*.

16575. *Mnandella odoratissima*  
ssp. *pinetorum*

16576. *Castilleja Breweri* var.  
*pallida*.

16577. *Mimulus Breweri*.

Agnew Pass, Modoc Co.

16578. *Linum Lewisii*

16579. *Potentilla gracilis Nuttallii*

16580. *Arabis platyepilosa*

16581. *Arabis oligantha* aff.

16582. *Arabis lignifera*



July 31, 1941.

16583. *Arabis incensis* ?  
16584. *Arabis retrofracta*  
16585. *Valeriana californica*  
16586. *Potentilla Breweri*.  
16587. *Lupinus lobbia*  
16588. *Aster occidentalis*  
16589. *Azoreis glauca lociniata*  
16590. *Phacelia* ~~hirsuta~~ ~~521~~  
~~hirsuta~~  
16591. *Luzula congesta*  
16592. *Senecio Covillei*  
16593. *Mimulus unguis*

July 31, 1941.

Agnew Pass, Modera Co.

16594. *Ranunculus Eschscholtzii*

16595. *Cactilija Breweri*. var.  
*pallida*.

16596. *Cepis acuminata*

Summit ridge between Agnew Pass  
& San Joaquin Mt., Modera Co.

16597. *Muhlenbergia agnovae*.

16598. *Carex stramineiformis*

16599. *Chaenactis Evermannii*

16600. *Eriogonum vivanum*

16601. *Mimulus cocconius*

16602. *Raillardella serpyssa*.

July 31, 1941.

16603. *Arabis Howellii*
16604. *Streptanthus tatorocus* var.  
*orbiculatus.*
16605. *Ranunculella arguta*
16606. *Eriogonum spargulium.*
16607. *Castilleja Breweri.*
16608. *Castilleja nana.*
16609. *Pyrocoma spongoides*
16610. *Arabis inyoensis?*
16611. *Lupinus Lobbii*
16612. *Arenaria capillaris*
16613. *Leptodactylon pycnanthum*

July 31, 1941.

Summit Ridge between Agnew Pass  
and San Joaquin Mt., Modoc Co.

16614. *Eriogonum ovalifolium*  
var. *nivale*

16615. *Purshia tridentata*

16616. *Potentilla fruticosa*

16617. *Achillea lanulosa alpica*.

16618. *Eriophyllum lanatum* var.  
*nivale*

16619. *Astrogalus lectulus*.

16620. *Eriogonum compositum* var.  
*diversifolium*

16621. *Lupinus nanus*

16622. *Sarcocolla ovipila*

16622 A. *Minimus Sutsdorfii*

16623. *Cryptantha glomeriflora*

July 31, 1941.

16624. *Cryptantha ambigua*.

16624A. *Gnaphyllum Nuttallii* Tyronem

San Jacinto Mts., Modeno Co.

16625. *Eriogonum ochrocephalum*  
var. *agallium*.

16626. *Leptodactylon pungens* var.  
*tonnillidum*

16627. *Chrysopsis rubiginosa*

16628. *Ribes cereum*.

16629. *Caloglyphis purpurascens*.

16630. *Festuca brachyphylla*

16631. *Koeleria cristata*

16632. *Carex phaeocephala*

16633. *Carex Breweri*.

16633A. *Arabis Lyallii* var. *rubiginosa*

San Joaquin Mt., Modeno Co.

July 31, 1941.

16634. *Pentstemon glaber*

16635. *Eriogonum radiatum*

16636. *Eriogonum Lobbia*

16637. *Phacelia* . . . . . ss.

*laevigata*

Garnet Lake near Camp, Modeno  
Co. Aug. 1, 1941.

16638. *Carex abrupta* .

16639. *Stipa Lettermanii* .

16640. *Cyatopteris fragilis* (L.) Gilib.

16641. *Eleocharis paniculata*

16642. *Carex subnigricans* .

Aug. 1, 1941.

16643. *Luzula angusta*
16644. *Thaba stenoloba*
16645. *Arabis Drummondii*
16646. *Symphoricarpos vaccinioides*
16647. *Muhlenbergia squarrosa*.
16648. *Pleurum alpinum*.
16649. *Galium bifolium*
16650. *Zygadenus venenosus*
16651. *Juncus (brachystylus) Tichonii*  
+ *J. bryoides*
16652. *Juncus nevadensis*.
16653. *Aster Andersonii*

Aug. 1, 1941.

- Janet Lake, near camp, Modoc Co.
16654. *Pedicularis attolens*
16655. *Polygonum Kelloggii*
16656. *Mimulus puniceoides*
16657. *Heschampsia cespitosa*
16658. *Potentilla glandulosa* var.  
*nevadensis*.
16659. *Melica bulbosa*
16660. *Juncus mexicanus*
16661. *Eragrostis umbellata*  
ssp. *polyantha*
16662. *Agropyron pauciflorum*.
16663. *Artemisia discolor*
- 16663A. *Woodia oregana*



16664. *Woodsia scopulina*

16665. *Adiantum pedatum* var.  
*alenticum*

16666. *Oryzopsis hymenoides*.

16667. ~~*Bromus*~~ <sup>*agropyrum*</sup> *subsecundum*.

16668. *Bromus caviatus* *lucianii*

16669. *Saxifraga bryophora*.

Garnet Lake, near Camp, Modoc Co.  
Aug. 2, 1941.

16670. *Botrychium simplex*

16671. *Scirpus Clementis*

16672. *Sambucus racemosa*.

16673. *Hieracium gracile detonsum*

Aug. 2, 1941.

Garnet Lake, near camp, Modoc Co.

16674. *Carex spectabilis*

16675. *Rumex paucifolius* var.

*gracilissimus*

16676. *Potentilla gracilis Nuttallii*

16677. *Castilleja miniata*.

16678. *Ledum glandulosum*

16679. *Sitanion* [*Hystrix*] *longifolium*

16680. *Carex Hoodii*

16681. *Carex Congdoni*.

16682. *Phacelia laevis* Nutt.

*decaphylla*

16683. *Gnaphalium lasiospermum*

Greene.

Aug. 2, 1941.

16684. *Potentilla gracilis Nuttallii*
16685. *Ruellandella scaposa*.
16686. *Polygonum minimum*
16687. *Eriogonum Wrightii* var.  
*trachygoum*.
16688. *Athyrium americanum*
16689. *Carex spectabilis*
16690. *Lianthus Hookerianus*
16691. *Scirpus cingens*
16692. *Trisetum Wolfii*
16693. *Cirsium toganum*
16694. *Senecio triangularis*

Aug 2, 1941.

Jacob Lake, near Camp, Modeno Co.

1 16695. *Minulus Lewisii*

1 16696. *Senecio Covillei*

1 16697. *Minulus unplexus*

11 16698. *Pyrocampa aparoides*

11 16699. *Crepis acuminata*

11 16700. *Arabis platysperma* typical

11 16701. *Arabis Covillei*

16701A. *Arabis lignifera*

1 Near Thousand Island Lake,  
Modeno Co.

11 16702. *Botrychium simplex*

11 16703. *Scirpus clementis*

{ Aug. 2, 1941.  
Aug. 3, 1941

16704. *Isaetes Bolanderi pygmaea*  
Submerged in shallow pond.
16705. *Salix petrophila cespitosa*
16706. *Costilleja nana*
16707. *Potentilla Sibboldii*
16708. *Costilleja Peruviana*
16709. *Costilleja Culbertsonii*
16710. *Juncus (brachystylus) bryoides*  
16710A *Arabis divaricata*.
- Garret Lake, camp to outlet, Modoc  
Co. Aug. 3, 1941
16711. *Habenaria leucostachya*
16712. *Penstemon Davidsonii*

Aug. 3, 1941.

Gambel Lake, camp to outlet, Modoc Co.

16713. *Agrostis alpestris*

16714. *Arnica mollis*

16715. *Linnaea involucreta*

16716. *Haskelia flourensii*

16717. *Barbarea orthoceras*

16718. *Trifolium monanthum*

16719. *Potentilla fruticosa*

16720. *Poa Laebergii*

16721. *Poa epilis*

16722. *Festuca brachyphylla*

Aug. 3, 1941.

16723. *Carex phaeocephala*.
16724. *Aquaticus doloresis*
16725. *Arnica californica*
16726. *Pedicularis groenlandica*.
16727. *Hanthea intermedia*
16728. *Hanthea unispicata*
16729. *Polygonum sparganium*.
16730. *Anemone siskiyouensis*
16731. *Polygonum Douglasii*
16732. *Epilobium brevistylum*
16733. *Lesquerina californica*

Aug. 3, 1941.

Garnet Lake from camp to outlet,  
Modoc Co.

16734. *Carex Goidreui*

16735. *Oryzopsis Kingii*

16736. *Antennaria discolor.*

16737. *Solidago corymbosa.*

16738. *Sorbus californica*

16739. *Gaultheria humifusca*

16740. *Lilium myense* var.

16741. *Juncus nevadensis*

16742. *Carex panicostata*

16743. *Carex illota.*



Aug. 3, 5, 1941.

16744. *Helianthus Bigelovii*

16745. *Coryx festivella*

16746. *Calochortus Leichtlinii*

16747. *Agrostis Rossae*

16748. *Muhlenbergia filiformis*

16749. *Minulus monochotus longiflorus*

16750. *Gilia gracilis* var. *nova*

Between Garnet Lake + Banner Park,  
Modoc Co. Aug. 5, 1941.

16751. *Crotilleja Perisomi*.

16752. *Primula suffruticosa*

16753. *Saxifraga Dolnicii*

Aug. 5, 1941.

Between garnet Lake and Banner  
Park, Modoc Co.

16754. *Senecio trugulosus*

16755. *Arabis Howellii*

16756. *Polygonum stratum*

16757. *Hieracium loricatum*

16758. *Eriogon simplex*

16759. *Carex Helderii*.

16760. *Carex phaeocephala*

16761. *Selaginella Watsonii* Underw.

16762. *Arenaria capillaris*

16763. *Castilleja nana*

Aug. 5, 1941.

16764. *Disetum spicatum*.

16765. *Carex brevipes*

16766. *Carex festinella*

16767. *Carex Breweri*.

16768. *Carex leporinella*.

16769. *Carex spectabilis*

16770. *Carex venoculata*.

16771. *Carex spectabilis*

16772. *Poa epilis*

16773. *Poa secunda*

16774. *Poa gracillima*

16775. *Epilobium alpinum*.

Aug. 5, 1941.

Near camp, Garnet Lake,  
Modena Co.

16776. *Saxifraga saxifroides*

16777. *Saxifraga punctata* var.  
*angusta*

16778. *Epilobium glaberrimum*

16778A. *Agrostis exarata*

16779. *Ligusticum grayi*

Head of Shadow Creek between

Garnet + Deberg lakes, Modena Co.

Aug 6, 1941.

16780. *Imation Douglasi*

16781. ~~Bromus~~ *agropyron Pringlei*

16782. *Draba Lemmonii*

Ridge sw. of Garnet Lake.

16782A. *Salix ovestera*

Headwaters of Shadow Creek se. of Mt.  
Ritter, Modena Co.

Aug. 6, 1941.

Lake Ediza, Modeno Co.

16783. *Carex Preslii*

16784. *Carex stramineiformis*

16785. *Carex festivella*.

16786. *Castilleja Parsonii*.

Sheldon Creek below Lake Ediza,  
Modeno Co.

16787. *Epilobium alpinum*.

16788. *Tofieldia occidentalis*

16789. *Carex multicaulata*

16790. *Chrysopsis Breweri*.

16791. *Lomatium Torreyi*.

Aug. 6, 1941.

Shadwin Creek below Lake Ediza,  
Madras Co.

16792. *Pyrola secunda*.

16793. *Lilium ingense* var.

16794. *Carex rostrata*

16795. *Heuchampsis cespitosa*

16796. *Muhlenbergia filiformis*

16797. *Hypochaeris anagalloides*

16798. *Carex illota*.

16799. *Eryngium Elmeri*.

16800. *Phacelia*

Corolla lobes pale lavender.

Aug. 6, 1941.

Trail between Shadow and Garnet  
Lakes, Modoc Co.

16801. *Calamagrostis canadensis*.

16802. *Carex heterochaeta*.

16803. *Arabis rectissima*

16804. *Luzula parviflora*

16805. *Valeriana californica*

16806. *Muhlenbergia nutans*.

16807. *Hieracium albiflorum*

16808. *Ageris elata*

Garnet Lake, S. side, Modoc Co.

16809. *Rhodiola rosea integrifolia*

16810. *Ranunculus Eschscholtzii*

Aug. 7, 1941

Near Camp, Garnet Lake, Modoc Co.

16811. *Cuscuta Andrewsii*

16812. *Hazardia Whitneyi*.

16813. *Polygonum sawatchense*

16814. *Gilia subalpina*

16815. *Trifolium parvum*.

Aug. 8, 1941.

Between San Joaquin River at  
mouth of Garnet Creek and summit of  
ridge n. of San Joaquin Mt., Modoc Co.

16816. *Aconitum columbianum*

16817. *Wyethia mollis*

16818. *Lupinus procerus*

16819. *Phleum alpinum*.

16820. *Hesperopsis elongata*

16821. *Apocynum androsaemum* var.  
*flouibundum*



Aug. 8, 1941.

16822. *Senecio triangularis*  
16823. *Haracleum lanatum*.  
16824. *Geranium Richardsonii*  
16825. *Delphinium glaucum*.  
16826. *Carex Hassaei*.  
16827. *Habenaria sparsiflora*  
16828. *Eriogonum Coulteri*.  
16829. *Mimulus Tilingii*  
16830. *Lupinus albiculus*  
16831. *Cardamine Breweri*.  
16832. *Trisetum Wolfii*.  
16833. *Salix ovestera*  
16834. *Gnaphalium Nuttallii Abramsii*  
16835. *Aster integrifolius*  
16836. *Juncus (brachystylus) hyoides*  
16837. *Allocarya hispida*  
16838. *Polygonum Kelloggii*  
16839. *Poa secunda*  
16840. *Poa Bolanderi*.  
16841. *Navonnetia Breweri*.  
16842. *Limonium Hookerianum*

Aug. 8, 1941.

With preceding.

16843. *Polygonum sawatchianae*  
16844. *Viola purpurea venosa*.  
16845. *Azostachya utricifolia*.  
16846. *Trifolium cyathiferum*  
16847. *Collinsia linearis*  
16848. *Nemophila*  
16849. *Orthocarpus lacinus*  
16850. *Mimulus mollis longiflorus*  
16851. *Epilobium paniculatum*  
16852. *Mimulus guttatus depauperatus*  
16853. *Myosurus aristatus*  
16854. *Hesperanthes Richardsonii* var. *virca*?  
16855. *Collinsia pauciflora*  
16856. *Juncus orthophyllus*  
16857. *Agoseris glauca dasycephala*.  
16858. *Stellaria longipes*  
/  
/

Aug. 8, 1941.

East slope of San Joaquin Mt.,  
Mono Co.

16859. *Luzia lycoperdivides*  
16860. *Anemone compacta*  
16861. *Androsace septentrionalis*  
Only 1 plant found.  
16862. *Poa Leibergii*  
16862A. *Ruellia chilata*  
16863. *Sitanion Hysterix*  
16864. *Carex Helleni*  
16865. *Saussurea Muirii*  
16866. *Phlox diffusa*  
16867. *Pendemon heterodoxus*  
16868. *Prostanthera Davidsonii*  
16869. *Salpiglossa Watsonii*  
16870. *Ranunculus Eschscholtzii*  
16871. *Anemone Nuttallii gracilis*  
16872. *Trisetum spectabile*  
16873. *Carex Preslii*  
16874. *Arabis ~~compressa~~ <sup>divaricata</sup>*  
16875. *Lupinus danicus*.

Aug. 8, 1941.

San Joaquin Mt. + ridge to  
north, Modeno Co.

- 16876. *Chrysothamnus monocyphalus*.
- 16877. *Draba oligosperma subvialis*
- 16878. *Agoseris alpestris*
- 16879. *Mammaria suffruticosa*.
- 16880. *Chaenactis alpina*

Agnew Pass, Modeno Co.

- 16881. *Rumex utahensis*?
- 16882. *Juncetum canum*.
- 16883. *Epilobium obcordatum*.
- 16884. *Costilleja Howellii* n. sp.
- 16885. *Sonchus foliacea*

Agnew Pass Trail, Modeno Co.

- 16886. *Eriogonum deductum*
- 16887. *Cirsium Andersonii*

Between San Joaquin River and Gambel  
Lake, Modeno Co.

- 16888. *Aquilegia truncata*

Aug. 9, 1941.

Garnet Lake, Madras Co.

16889. *Sedum stenopetalum*  
16890. *Oxyria digyna*  
16891. *Parnassia colquhounii*  
16892. *Lomatium Torreyi*  
16893. *Rodricula curvicalyx*  
16894. *Aquilegia pubescens*  
16895. *Oryzopsis Kingii*  
16896. *Arnica mollis*  
16897. *Gentiana colquhounii*  
16898. *Delphinium lupulinum*  
16899. *Calamagrostis canadensis*  
16900. *Arabis* <sup>*divaricata*</sup> ~~*major*~~

Summit of trail between Garnet +

Shedler Lakes, Madras Co. Aug. 10, 1941

16901. *Macromma suffruticosum*  
16902. *Macromma discoides*  
16903. *Cottilegia adenophora*.

Aug. 10, 1941.

Just above Shadow Lake, Modoc Co.

16904. *Salix Lemmonii*.

16905. *Salix Jepsomii*

16906. *Agrostis hiemalis*

16907. *Lonicera conjugialis*

16908. *Carex aurea*.

16909. *Hazardia Whitneyi*.

16910. *Bromus caryophyllus*

16911. *Cotoneaster sempervirens*.

16912. *Crepis acuminata*

16913. *Eryngium Breweri*.

16914. *Carex rostrata vesicaria*

Shadow Lake, Modoc Co.

16915. *Salix orestera*.

16916. *Populus tremuloides*

16917. *Populus trichocarpa*

Low shrubby plants only 4-5 ft tall

16918. *Smilacina amplexicaulis glabra*.

16919. *Salix Scouleriana*

Aug. 10, 1941.

Between Shadow Lake + San  
Joaquin River, Modera Co.

16920. *Quercus vaccinifolia*  
16921. *Cornus stolonifera*  
16922. *Panatenum Bridgesii*  
16923. *Muhlenbergia squarrosa*  
16924. *Kalloggia galvodes*  
16925. *Chaetanthes villosa*  
16926. *Alnus tenuifolia*

Between San Joaquin River and  
Agnew Meadows, Modera Co.

16927. *Staphaneria tenuifolia*  
16928. *Chaetanthes gracillima*  
16929. *Aster ascensus Fremontii*

Agnew Meadows, Modera Co.

16930. *Carex rostrata*

16931. *Lesqueria lololena*

Tamalpais Valley, Marin Co.

The first specimen I have seen  
south of Mt. Tamalpais, collected  
on trip to Marin Co. with Mr.  
R.C. Barneby & Lewis Rose.

Oct. 11, 1941.



