Newfoundland
1927 September 4 - September 21
1929 June 18 - September 17

R. B. Kennedy
To Gray Herbarium 10-8-39

Collector Newfoundland 1929

Names all verified by M. L. Fernald

+ Name supplied by M. L. F.

- New to Nfld.

Dec. 1-129

112 Acer rubrum 2 9-13-29 20 ft. 2 ft.

48 Achillea 7-20-29 ft.

9 Actea rubra Willd forma neglecta Robinson

8-6-29 ft.

10 Actea rubra Willd forma neglecta Robinson

8-6-29 ft.

12 Actea rubra Willd forma neglecta Robinson

9-13-29 ft.

11 Actea rubra Willd 8-6-29 ft.

13 Actea rubra Willd 9-13-29 ft.

45 Aquatica alba var. maintuna

G. F. W. Meg 7-17-39
+46 Agrostis alba, var. vulgaris
7-24-29

+47 Agrostis alba, var. vulgaris
8-31-29 Nonote made 8-8-29

17 Amelanchiers obgocarpa Brown 6-18-29

106 Ammophila arenaria Link 8-19-29

+91 Anemone riparia Fernald 7-23-29

+103 Artemisia Canadensis Michx 8-11-29

+14 Aspidium spinolesum Sw. var.
Americanum —
6-20-29

133 Asplenium viride Huds. 7-20-29

64 Aster radula At 8-5-29

+65 Aster foliacens Lindl
8-6-29

+66 Aster foliacens Lindl
8-9-29
+85 Botrychium matricarioides
9-13-29

+44 Brassica juncea Corson 7-13-29

102 Corylus rostrata Cist 8-8-29 ft.

+58 Crepis biennis L. 7-27-29

90 Cystopteris fragilis Bernh. 7-20-29

+1 Draba incana L 7-8-29

+2 Draba incana L 7-10-29

+3 Draba incana L 7-17-29

127 Drosera longifolia L 8-28-29

+214 Eleocharis palustris Rvs. 6-28-29

+35 Eleocharis uniglumis Pallas var. halophila Fernal d v. Beachey. 8-13-29 ft. See Rho ladora Aps. 1929. M. L. Flora spes from same vicinity
4 Epsilobium latifolium L.  
between 7-22 and 8-11 1929

128 Epsipactis repens A. Dietz var. 
sphacoides A.A. Eaton 8-31-29

129 Epsipactis tessellata A.A. Eaton 9-10-29
I-very withered.

108 Erigeron racemosus B.S.P. 8-28-29

68 Eriophorum virginicum L 8-5-29 ff.

69 Eriophorum virginicum L 7-13-29 f

+ 35 Festuca rubra L 7-3-29

+ 36 Festuca rubra L 7-17-29

+ 37 Festuca rubra L var. juncea Richter 7-17-29

+ 88 Festuca rubra L 7-17-29

125 Gentiana Americana var. pura Heslop 8-19-29

+ 5 Gentiana nesophila Holm 8-19-29
105 *Sparpholium sylvaticum*  8-19-29

117 *Habenaria hyperborea* R.Br.  7-10-29

118 *Habenaria hyperborea* R.Br.  7-15-29

121 *Habenaria obtusata* Richards  7-12-29

123 *Habenaria obtusata* Richards  8-5-29

70 *Hieracium Canadense* Michx  8-11-29

71 *Hieracium Canadense* Michx  8-31-29

92 *Helenium lanatus*  7-27-29

- 89 *Hydrocotyle americana*  7-12-29 fl

- 113 *Impatiens pallida* Nutt  9-13-29 fl f1

31 *Leia versicolor*  7-2-29

32 *Leia actosa* Pall var *Canadensis* Fosler  7-3-29

32a *Leia actosa* Pall var *Canadensis* Fosler  7-3-29
33 Driscula pulvri Canadensis Foster 7-17-29

109 Juncus missouriensis Bigel 9-8-29 ft.

111 Juncus nodosus L 9-5-29 ft.

77 Ligustrum cotinum L 8-19-29

49 Listera auriculata Wiegand 7-27-29

56 Listera auriculata Wiegand 8-1-29

51 Listera auriculata Wiegand 8-31-29 unwp fr.

119 Listera cordata P.B. 7-12-29

120 Listera cordata P.B. 8-5-29

+6 Lobelia palment L 8-28-29

+7 Lobelia palment L 9-15-29 fr

- 93 Lotus corniculatus L 7-27-29

114 Matricaria maritima Buchanana 9-17-29 ft
Melampyrum lineare Lam 8-5-29
+ 60 Mentha arvensis L 7-27-29
+ 61 Mentha arvensis L 8-14-29
62 Mentha arvensis L 8-6-29
+ 63 Mentha arvensis L 8-11-29
83 Menyanthes trifoliata L 8-26-29 26 fls fr.
86 Microstilis uniflora BSP 9-13-29
99 Monokrofa uniflora L 8-6-29
100 Monokrofa Hypopitys L 8-6-29
84 Muhlenbergia racemosa BSP 9-5-29 fr
18 Pansoria arvensis till 6-16-29
41 Parnassia palustris DC 7-10-29
42 Parnassia palustris DC 7-15-29
43 Parnassia passiflora 7-20-29
164 Phalaris arundinacea 8-11-29
+ 76 Plantago major 8-13-29
34 Poa *being studied* 7-6-29

+ 57 Poa *saltuensis*
  Formerly *P. debilis* Tieb.
+ 75 Polygonum *Ragi* 8-13-29

- 78 Potamogeton *philiformis* Hagehöfn 8-23-29 (on authority of Prof. C. H. Linton of Copenhagen)
+ 79 Potamogeton *philiformis* Pers 8-26-29
+ 80 Potamogeton *natans* L 8-31-29 Young fr.
+ 81 Potamogeton *alpinus* Belb 8-31-29 Dep. fr.
+ 82 Potamogeton *gramineus* L (= P. *heterophyllus* Schult.)

107 Potentilla *Anserina* Lvs. Condest. Ser 8-19-29
26 Primula mistassinica Michx 7-3-29
27 Primula mistassinica Michx 7-20-29
28 Primula mistassinica Michx 8-6-29
+29 Primula laurentiana Fernald 7-3-29
(has little passed as P. farinosa L. of Europe, see Rhodora Apr. 1928)
+30 Primula laurentiana Fernald 7-20-29
22 Prunus pennsylvanica Lf. 6-28-29
23 Prunus pennsylvanica Lf. 7-15-29
52 Pycnola acarifolia Michx 7-27-29
53 Pycnola americana Sweet 8-3-29
54 Pycnola chlorantha Div. 8-6-29
20 Pycnola melanocarpa Willd 6-20-29 Bud
21 Pycnola melanocarpa Willd 8-7-29
94 Ranunculus recurvata Pois 7-29-29
+ 97 Ranunculus Macounii Britton 8-1-29

59 Rhinanthus

(thought by R.B.R. to be R. stenophyllus Schinz & Telling. M.L.F. makes no decision)

72 Rynchospora alba Vahl 8-9-29 fl

73 Rynchospora alba Vahl 8-28-29 fl. fr.

74 Sagina nodosa Fenzl var. glandulosa Rad 8-19-29

124 Saxifraga aizoides L 7-20-29

67 Senecio Balsamitae Muhl 8-11-29

110 Sparganium minimum Fries 7-5-29 fr

39 Stellaria borealis Bigel 7-11-29 Style 3-4-5

40 Stellaria borealis Bigel 8-31-29 Style 3-4-5

115 Streptopus amplexifolius DC 6-20-29
15 Streptopus roseus Mieli x 6-18-29 Redunells
16 Streptopus roseus Mieli x 8-6-29 Redunells
101 Thlaspi arvense 8-6-29
95 Trisetum melicoides Vasey 8-1-29
96 Trisetum melicoides Vasey 8-11-29
116 Artica arvensis 7-2-29 Fl 13-3/4 in high
19 Viola labradorica Schrank 6-18-29
87 Viola cucullata Ait 6-28-29 Fl
88 Viola cucullata Ait 7-15-29 Steir. fls.
8 Viola Delafleurii Pursh 6-20-29
+55 Viola meophrophylla Greene 7-3-29
+56 Viola meophrophylla Greene 8-1-29
126 Xyris montana Riea 8-28-29
Newfoundland.

9-4-27 Dicynosorus canadensis L. & G. 494
Spruce Blk. Calyx tube greatly constricted at
throat, as to make ovary seem inferior.
Sepals greenish stripe in center, broad white
edges. Peduncle ridged with sparse, short
brownish hairs.

9-5-27 Cirsium muticum Miéh. A 858 BvB III
553. Swamp Thistle. Trail up Spruce Blk.

9-5-27 Heracleum lanatum Miéh. 621 BvB II 635
Fl. only. Spruce Blk. by log cabin

9-5-27 Angelica atropurpurea L. 8622 BvB II 637
Fl. only. Not above

9-5-27 Ribes lacustre Poir. A 452 BvB II 536 Fl
Path up Spruce Blk. near beginning.

9-5-27 Ranunculus repens L. 8 377 BvB II 115 Fl.
Trail up Spruce Blk. Very common in places.
Corresponds with description of 6-7 ft. long, 3+ in. high, spot on ovary not as long as ill. Rehner might indicate creeping by runners. Scheme marginal. Irw (not Hutch) (see 9-10 IV 27)

9-5-37 Viburnum paniculatum. Ref. #37 836 59 270
F. Near Ribes lacustre. 1/2 in. shallowly lobed atop
F. aline red like currants.

9-5-37 Taxus canadensis. March 80 84 56 12
Trail up Spencer’s Bl. Prob both prob. This is not very
evident as to parts. Petiole decurrent on at.
broading to both the leaf.

9-5-37 Scirr macrophyllum. Wild #485 836 59 271
F. young fr. Trail up Spencer’s Bl. Fl not more than 4
lines broad. Achen long, hairy on back. Elongated
style gland-punctate.

9-5-37 Scirr striatum. Ref. #485 836 59 271 F.
Trail up Spencer’s Bl.
9-5-27 *Euphorbia sylvestrii*um L. 4839, 39617
+56 Spruce Bk. in fields near saw-mill [9-10-27 Rd from Highlands Camp to Butte. 7th, Stonew. 3 mm. wide, linear. Basal ov. ob lanceolate*]}

9-5-27 Hieracium canadense Michx 804 Bv 3
# 339 Spruce Bk

9-5-27 Polygonum lapathifolium L. 9360 = Persicaria — a Bv B1 666 Spruce Bk. Pacensis erect (as in G)

9-5-27 Streptopus roseus Michx 8372, Bv B1 5520 Spruce Bk. trail near Täxen, Frindlev Range, mostly in pairs (Bv B3 says "rarely 2-3")

9-5-27 Habenaria dilatata Gray 8308 = Limnes- clin — Rd Bv B1 557 Rl fading Spruce Bk
above bridge, parts above log clinic

9-5-27 Solidago macrophylla Pursh 8 790 Bv B1
Spruce Bk. trail.
9-5-37 Uncolea Struthiopteris Hmp B 45 Mattuccia Toddoro Bv BII Spruce Bluff bet seawolves bridge Fr "Elevated receptacle & indusia not evident.

9-8-37 Campanula rotundifolia Hmp Bv BII 295 Fr Bet Greats Station Highlands Pond. Angulylabus vine declining at with 1 ft (large in proportion) corolla 1 in long.

9-10-37 Ranunculus aerial Hmp B 392 Bv BII III Fl Highlands Pond.

9-10-37 Ranunculus reflexus (see 9-5-37) 2 flofs H.P. ivory blotched

9-10-37 Prunus pensylvanica L. Hmp 495 Bv BII 328 Fr near H.P. more rounded & here than ill suggests.

9-15-37 Phegopteris Dryopteris Fee Bv 155 Dryopteris Better B 33 Botta B half seawolves site
9-10-27 Zeiripsa protentosa Fern. 1875 Bv3 537
Swamp en route to Butte Bk (13v13) consider this may be variety of S. epernensis vitata which Bv3 has underlined in this instance.

9-10-27 Conioselinum climerianum BSP. 622 Bv4 636 Floor & Butter Bk at mill. Frequently only beard developed giving a distorted slope. Two flecked
3 styles vs. 3 styles only in each case matching.
In one case inflorescence having pedicelate tracted fls appearing on 2nd pedicel below ultimate umbellate. Peduncle somewhat papillate on side at top of primary pedicel the same as main
side. Florets very small.

9-10-27 Vernonioa heterophylla L. Bv3 238, Bv3 II 202
Butte Bk above dam. Fls. Lx5 10x8 mm.

9-10-27 Veronica uniforma Hay Bv3 671 Fls
with remains of staminea Butter Bk abovedam (see
9-14-27)

9-10-27 Pyrola secunda L. Bv3 238, Bv3 Il 671 Fls.
Butter Bk slightly east of Brook.

9-10-27 Helinia deflexa laevif 2659 BV B 15 Fr v wither ed in Butter Bk field near James Wells.


9-10-27 Layco for Fr. Long, very slender at base from tree. Base not tuberous. Hence might bed, virginiana except that Nfld is not given as locus. Walks to Butter Bk.

9-10-27 Emiliaea trifolia Def. 237 Vagnna - Among BV B 576 Fr. Past to Butter Bk v common on road bet. campus school house.

9-12-37 2 pilocumas
same as 9-16-37 no flowers, sand spit above inlet to Highlands Pond.

Site sandy, rarely nodding both are too long, with divisions too many, leaflets too small to be A. canadensis Michx. var. sinefusceens. Michx. var. A. L. Helme. Many bladders. Winter buds numerous.


Small, flat, N.P. Plants very submerged, partly covered with leaves. On the surface in the middle of the river, almost equal in size, sessile, enclosing not conspicuous leaves smaller than
flowers. St. Convex on sides, grooved on other alternating with nodes. In each axil of small bracts, and an elongated growth (1/8-1/2 in) with small of up to 10 scales, reddish.

If they are the small bracts that sheath the base they are prof. red dotted lacinate fimbriate but at the dry base if "nicer" tip. Sometimes with long acuminate tip sometimes short rounded. Spikes .5-8mm. ovate rather than obovate, more lobed than oval. validus (T). Reddish. Scales distinctly red dotted, fimbriate. In some cases with rib excurrent. Below 2mm wide shorter than scale but flat like on one side while convex on the other. Difflent lax. Prof. D. occidentalis. (Plants had been completely under water for more than a day. Tallax the Isaac responded to pack salmon for shipping)

9-12-37 Potamogeton natans 1.472. Bv B 75. [R.] Does duplect? Smaller & seeded mean the same? If so put on sides not evident. If seed & mullet mean something inside (as T. say p. 70) RA1 not able to remove pericarp.


9-13-37 *Sarracenia purpurea* L. A. BvBT II. Behind Camo H. P. Salinar complete flat sedge, 3 sedge one scapae ! Had 6 sepals & 3 stamens, the others 4 sepals & no stamens. Petalavat amnna fallen. ilvaceous styles adhered normal.


9-16-37 *Vaccinium pennsylvanicum* L. G 637 See V. angustifolium. A 7 BvBT 701 Fl. Behind Camo H. P.

9-14-37 *Nolitella nuda* L. #448. BvBT II 229. Highlands River abn bridge Fl. Capsules wide open very slightly recurved. Seeds 2 mm. &it shiny black in 2 groups at base line near edge, largest of nearly 1 in wide.
9-14-37 Scutellaria marilandica L.K 610, BU57 625
Fr. v37.3 fr. Highlands Pond, 2.9 ft. outlet.

9-14-37 Polystichum Brunnii Fee A 41, BU57 17 High-
lands River above bridge.

9-14-37 Potentilla fruticosa L. K 483 - Daisyleaf
— Rydb. BU57 62 N.P. Calyx lobes yellowish on
underside.

9-14-37 Viburnum Opulus var americanum At
Fr. Prolat outlet 1 N.P. "Trump bery not so good for
jelly as squash bery as not so much swee." A.
Cynrea more heavily fruited \\ more solid than V. pensileatum 9-16-37

9-14-37 Fern Highlands River above bridge. Looks like ill B
Apicodium Bostii Clute 142. Indusium fr. glab-
lar. Sp. very much smaller than that of A. spinulosum var dilatata found in
same vicinity (Indusium fr. fr. seemingly
glabrous). But found somewhat glaucous on
back, hence.

••••
9-14-27  
Poa a. stenophorum var. intermedium  
(Alas 9-18-27)

9-16-27  
Populus canadensis  
Mil 329  B 53  585  

9-16-27  
Rosa virginiana  
Mil 497  B 53  385  
Fr. Crabtree River near Whitelip, S. F. prickly below but not on young growth. Infrutescules spines 1 to 2 slightly curved or straight. 5 to 7 mm, often an odd. petals much smaller, one. Stipulae narrowly obovate, sometimes with leaf-like appendages. Calyx lobes hairy inside, glandular hairy outside, very long, often broadened at end or often bearing loose or otherwise cut. Fr. smooth.

9-16-27  
Shepherdia canadensis Nutt.  
Area 576  Cape Ray, Crabtree River, Whitelip
9-16-27 Radicula Nasturtium Aquaticum Bottn Pjindle B 451 = Siagnium 2 B 29 3/4 2 1/2 ft. in brook from spring Whitecliff Cabin. Whole plant 10 in high. 2 few lower br. with 3 ft., the lasted new small v. 1/2 ft. long terminal 3-clft. as suggested ill BvB. Dicape 2 ft. 1/2 ft. long. Terminal v. longer. Pod after dropping seeds more erect. V. more definitely bent from pedical than ill BvB. suggests. Pod 8 in. long, pedicel 1 1/2 in. long. Seeds minutely reticulate, papillate.


9-16-27 Callitriche palustris L. A 550 BvB 4 7/8 F 20 fr. Ditch pond beside road. let Crate Stivy & ChenBin River. F 2 1/2 in. high. Lvs. look to some degree punctate but (3 x) not with reticulate scales. Upper broader. Lvs. 3-nerved only midly distinctly. No style recognized.
9-16-27 Epilobium
Fr. Crafts River in little jacket Whiting, upper cabin & on beach at Whitecliff. On gramineae because seed have tufted silvery phase Epilobium. Plant comprises blue-green leaves, erect stems, few branched, very leafy, branches St. purpurea. Low gullet, sessile lanceolate, entire, largest 3\% in but mat 1\% in. Margins not revolute. Capsules about peduncled 8\% in with hairs like rest of plant. Corn white, seeds black, and (\&x) minutely roughened in lines. F. molle 7912 & 596 = F. virescens Weld 892 seems best guess.

9-16-27 Betula
Fr. Prof. bet. Crafts Sta, & Whiting mill lower Camp Crafts River. Very like all B. 1861. BwRI 612 (in A) Dune of frutiginae bracts 3 lobed. Twigs pubescent & only very sparsely (if at all) glandular hairy. Not obviously glandular dotted below. Hence not B. glandulosa Michx. Winge breast thick, not wider than body of fr. fronds flat, ciliate, covering only body of fr. fronds 1\% (projecting on both sides), prominently embossed below then curved in and tip curved outward.
again. Scale with bases dark as brown, as long as petiole, petaliferous, ovate to oblong, ciliolate, 1 cm long. Veinlets broad, glabrous both sides, reticulate venous, flat on top & distinctly cuneate at base.

9-16-27 Pinguicula vulgaris L. 759. BV 112 2026

9-16-27 Juniperus horizontalis. Moench. 67 BV 112
67. Dr. Brown's Pasture on way to Crabbe's River Camp.

9-16-27 Juniperus communis L. var depressa Prof. 67 L. 67 = J. sabina Bong. BV 112 66

9-16-27 Viburnum paniculatum Raf. 4.759. V.
— Dr. White BV 112 270. Crabbe's River. "Excellent berry, makes excellent jelly or jam. Has much wine" says Alan McIsaac Vittles. Lvs. often ovate or not lobed, uppermost lanceolate to oval.

9-16-27 Agrimonia striata Michx. 4.494. BV 112
268. Crabbe's River. Has several stems with Bv R rather than A. gryposepala. Fruitings calyx
9-16-27 calyx
9 mm. long. No bristles reflexed. Hairs green more
white vellum than short brownish. Sometimes
for A. gypsophila.

Possibly U. intermedius Hayne G737, Bob III 228.
No flat leaf. Leaves in nucleus. ill. Written buds pre-
ent.

9-16-27 Vaccinium — Bob V. Oxycoccus 2.
G 641: Oxycoccus — Mac M. Bob III 764 Fr. En route
to Crabbes River Camps, near Junipers. Fr. ter-
ninal oblong below middle greenish.
"Mac trouble." A. M. B. v. alp. he checks at Corner
Book. "Better for pine than Partridge
Berry" says A. L. (9-21-27)

Plant a remains 8 ft. Near Camp at Highlands Pond
Calyx lobes hairy on outside. Rest of plant very
slightly hairy.

9-18-27 Nicotiana — ? Indigo-plant of Mrs. McS. Stein low, rasoile, very decurrent, about 6 x 3 in. Leaves lanceolate to oblanceolate 2 3/4 x 3/4 in. Flower late, 2 3/4 ind wide, tube 3 in. long. Anther stamen shorter than others which extend just to mouth of tube. Antlers purplish, reticulate (38x), heart-shaped but cleft below. Calyx 3 in. long, tube slightly longer than narrow, acuminate lobes

9-21-27 Vaccinium Vitis-Idaea var.minor Lodd. G 641 = Vitis-Idaea — Button BoB II 697 Fr. (no plant) sold in shop at Carrier Block as "Partridge Berry." Miss — (cot) furnished one from St. Anthony. "Bord to me in sauce like cranberry, says shopkeeper.

Miss — mentions as used for food at St. Anthony: Partridge Berry; Capellaire (Chionogone hirsipulda), Bake Apple; Squash Berry (Viburnum paniculatum) "excellent jelly somewhat like currant" and Black Berry (species listed like Empetrum nigrum).
6-18-29  *Aster Actae*

Fl. Spence Br. north. along R. R. A 407, BVB II 90
(See note in BVB 9-5-27. Perhaps A. suba Villa
forma neglecta Robinson (see A 408) (see BVB 90 un-
der A. alb.) Stamens 6-8mm. Petals 4-5mm,
lobicles spatulate, acute, not truncate, at apex.
Upper part of plant, esp. peduncle v. pedicel, v
the beneath purerent. Flowers white. (Also
6-28-29 Spence Bk. Trail.) Stalk 19 1/2 in to point
of branching.

6-18-24 ?? *Viola pallens* Br. 1111 G 584, BVB II 556.
Fl. Spence Bk. R.R. track north. Fl. white with
purple lines on 3 lower petals not noticeably
fragrant. Lateral petals beardless (except in case
of D). 6 of the 30p recorded from V. pallens;
remifolia, intermixta v pallens, this would
make it remifolia. But the same plants
have more and less hairs on petals, peduncle
v. undermild. Note. 1. If few hairs on upper side,
none as hairy as V. remifolia is somewhat
entirely glabrous. 1. If. like larger of *Jill* but
most are pointed at apex like the lower in *Jill*.
Plant 3 in height. 4 well above 1. 6 1 3 5
Plant brought in by Miss Whittington (no fl.)
but fork the same), with the same vertical white hairs on peduncles back of loc., has long slender runners. (See 6-20-29)

# 19

6-18-29 Viola labradorica Schrank; G 586, BvB II 561 Fl. Spurce Bk R.R. northward. But style has no beard. (BvB # 547) calyptrae are not entire except at base (BvB # 547 & 561). Some loc. hispidulose above, others quite glabrous. LG 586; BvB II 561. 1v2 1/2-3/4 in.


# 15

6-18-29 Strophostyles rovens Miélex. G 392, BvB I 520 Fl. Sp. Bk R.R. north. 1 spec. (int # 13) had a few 2-fl. peduncles (Peduncle 2 1/2 in long. pedicles at its end 1/4-3/8 long. (See 9-5-27). 6-20-29 Sp. Bk Trail. The 2 spec. collected (many observed) had several 2-fl. peduncles pedicles being 1 in long.


# 17

6-18-29  *Amelanchier* oligocarpa Roem G 460 = A. Barbamiana Roem B 133 293 Fl. Sp. B 6 P.P. northward. (Seen in profusion, bushes 3 ft. high from Train Park; aux Banques & Spence Bros.)

6-19-29) Flowers in groups 3 or 4. Petals 10 x 5-7 mm. Long. Sometimes acute but usually obtuse or rounded at base (as in ill) Ligie, wait head at Hotel calls it "Wild Plum." Inside calyx lobes wolly-pubescent. Base petal lobes very very densely so. Very young balls quite glabrous except for long wooly hairs on edges and on mid-rib above. Petals long woolly on upper side. The mature leaf (at this time) have lost most of these hairs. Stipules long hairy.

Also 6-25-29 Sp. B 6 Trail. Stipules narrowly linear 6-8 mm. long.


Also 6-20-29 Sp. B 6 Trail. Long glabrous except hairy edges. Fruits remain 6-7 ft.


6-18-29 Fragaria

F. Spence Brook. Seen everywhere near Port aux Beaux

Not studied.

6-18-29 Epigaea repens L. G 636, BVR II 629. Flos. going by Spence Bkr P.R. northward. Also 6-20-29. Canella tubé 5/16 in. high. limb 5.7 in. across

6-18-29 Lecidum groenlandicum Oeder. G 630, BVR 13


niph. recurvus dotted finely ciliate. Also 6-20-29.

6-18-29 Cornus canadensis L. G 624. Chamaejasme

Chamaemium canadense. BVR II 664. Bud. (Notably as at Passecrapony) Spence Bkr P.R. northward. Also 6-20-29 Spence Bkr Trail.
6-18-29 Linnea borealis L. var. americana. Reddish
R.P. not thin. Also 6-20-29. Frequent

6-18-29 Osmanthus claytoniana L. G 46. BvRII &
Fetish from unfolding to fruiting. Sp. Bib R.P.
not thin. Petals densely covered with long
rusty wool.

Trails east from bridge elsewhere.

6-18-29 Alnus crispa Pursh G 336: A. Alnobetula
K. Koch BvRI 612. 0/10, 8 flowers per 1/4 (with thin
winged seed) vs. young leaf. Sp. Bib R.P. not thin. Skinner
red. 6-20-29 Sp. Bib Trail. Not frequent. Bark duller
& less smooth than A. americana (6-20-29) and no
conspicuous lenticels.

R.P. not thin. 1/2 dark in center.
6-18-29 Ranunculus repens L. G 397, BoBI 113. No fl. fr. Sp. B. P. R. norther. Also 6-20-29


[6-28-29 No fl. fr. Barachois Bl. Mt. bank just above P. R. Bridge, prob. same as above has petiole finely pubescent. (see 9-15-29)]

6-18-29 Equisetum sylvaticum G 52, BoBI 48. Spores all abed. Sp. B. P. R. norther. Spinules very small not evidently (20X) resolved. Also 6-20-29 Sp B. B. Trail. 2 fertile stems smooth, no spinules along. 1 sterile stem spinules more or less resolved.

[7-20-29 Fertile Bl. Port au Port near lime quarry. Rv 8 in ravine to westward.]

6-18-29 Equisetum fluviatile L. G 53, BoBI 41. Fertile in sterile stems. Sp. B. B. R. P. norther. Spores undeveloped. [8-12-29 in large patches in Hare's Bl. below White's Bridge]

with longitudinal white hairs above vem mid vein
beneath; same hairs on upper side B petiole.

6-18-29 Kalanica angustifolia 2. G6 33, Bu 871 683.
curved. [Also prob. this 6-20-29. Sp. Bk. Trail, 2nd
marsh west of Gladys' Camp]. [6-19-29 Forte.
Plain Marsh, E.

6-18-29 Cornus
just appearing. Might be leathier C. Amoenum.
ill n. C. stolonifera. Viola (the only 2 reported
from N. H.). [1937 C. stolonifera very frequent in this
region. C. Amoenum never found by R.B.]

6-18-29 Salix
Anders. Bu 871 966 but outline? young lvs. is
oblong-ovate, slightly acute at apex, tapering
to base. St. reddish brown (a little brownish than
the Cornus, above). Young lvs. thin reddish. Low
serate (or crenate) with incurved gland-tipped
tooth. Stipules small, oval or ovate glandular
on margins. Base of young twig has opaque
long white hairs. Twig usually side of petiole
white hairy but even very young lvs. glabrous
valining. Stems 1 in. long in blot.
6-18-29  young twigs with lvs. below. Paehio v
scales long white hairy. Stamens 2. No odor
of balsam noticed this vague whitish dots
on upper surface of lvs. observed (20X)

6-18-29  Fraxineus nigra  March 6 65  BUBI  727
4" buds. lvs just unfolding from bud. Sp R.B.
R.R. mottled. Petioles broad at this stage. l.f. buds
scales very dark. l. fl. 8tu. crowded panicle
No calyx. The 2 purple anthers accise by pedicel
notched bears at its apex (bet. the anthers) what
seems to be rudimentary ovary with 2 carp
style [8-1-29 Not. fr. Haven's Island "Biggesto's Farm"
l.d. pubescent beneath e. remains sessile.
Young twigs light green with black spots at aulticles

6-18-29  Abies balsamea Mill 66  BUBI  63  Nothofr.
Sp. B.B. R.R. mottled. lvs. minutely 2-fothul at apex
[Also 6-20-29  Sp Blottail  Scales of l.f. buds tinged gray
joints unfimbriate]

6-18-29  Taxne Canadensis  March 62  BUBI  67  Sp B.B.

6-18-29
Firm. sporangia showing as frondistle. Stipes
dark at base Schaffy. Paehio v mottled f. pennae
with stalked glands, esp. on fertile frond.

6-18-29 Carex
Fl. Sp. Blt R.P. Rootless. 9-10 in. tall, slender, solitary
with lateral (false) rhizome.) in creeping root
stock. 4 spike tops culm, with 2-3 slender peduncles
few-fold 4-pithed below.

6-20-29 Larix loricina Koch G65, BVB160. No fl. No
Sp. Blt Trail. Note: under side of Y Y. whitened each
side mid rib as in Abies. Some lin. solitary set
the fascicles at tips of twigs.

6-20-29 Lycoctonum annotinum L. G 56, BVB46
Last year's piths. Sp. Blt Trail at Camp just east
of fold. 7-31-29 Hike west of L. C. Cabin. Site place possible
but not perfectly remembered.

Blt Trail & Sammiller Bridge. [Alas 6-21 to 7-10
at Barachois Proj.]
6-20-29 Coptis trifoliae Salic. G 494, BvBT II 88
Sp. Blk Trail

6-20-29 Ranunculus abortivus G 396, BvBT II 112

6-20-29 Smilacina trifoliae Deh. G 291, Wagnera-
Camp. 1500 ft above the elevating nealwat brea.
Stellaria purpurata (26x). Note streaked horizontal
15-28-29 carbonized specimens in fl. highlands region

6-20-29 Viola Selkirkii Pink. G 584, BvBT II 555
Sp. Blk Trail 2200 ft up swampy ground at edge of
cult. field east of bridge. 2½ ft high.

6-20-29 Angelica Kofuniwana L. G 622, BvBT II 627.
Norfl at Sp. Blk Trail Frequent

6-20-29 Chimonactis hispidae T.v.G. G 637, BvBT II 708
Sp. Blk Trail. Calyx tube white, hairy Conn. almost
fluorescent below opaque tip (or not)

6-20-29 "Viola pallens Brained G 584, BvBT II 556
Sp. Blk Trail just at
west edge of cult. land just east of bridge. All agree
have a few hairs on lateral petals. Some plants
quite glabrous, others show a few the verti-
cal white hairs (on petals v. dark, young lack)


6-26-29 Anacalca Struthiopteris Hoffm. G 45 = Mattanaea — Bv. Bt. Bv. BT 11. Sterile fronds 18 in high vellum curled at tip. Remaining last year's fertile fronds. Sp. Bk. Trail, frequent cape at east end. Sterile fronds, clear green, both glabrous but shiny (20X) remaining having dark, stalked glands which are found on youngest part. Stem, deeply grooved, has few brown scales. Stem.) Both sterile and fertile fronds broadened at flattened dark colallath base. On sterile frond pennate as a mile so that lower lobe seems to clasp rachis, the one above being twice as long as one below plicate. [7-22-29 Flesg Sword Fst. Cabin. Sterile fronds]

6-20-29. #14

A. spinulosum Sw. var. americanum was among these. Pennae distant. Sporangia showing de pronds unroll.

6-20-29. Pheugofetis Dryopteris, F. G. 35. Dryopteris


6-20-29. Stenopticus campesitus, De. G 292, Bo BL 520.
--- Early buck. Sp. Bk. Trail. 1st was only found. [8-3-29 Upriver from Red Rock Pool, Haury's Blk. 8-31-29 F. 2. Highlands Blk. above Pond.]


6-20-29 Senecio
linear (pod 3. condensed) or young bro 1 in
inflor (perhaps on bracts of infr.). Basal 1 1x1 in
at base (hence not like ill. 2e. 3.) distant
by lfr to top. Lvs becoming lycote. (Number of
lateral segments increasing toward tip.)
Petiole super 1-2 narrowly winged & expand-
ed at base into toothed, clavate base. Heads
discoid. Basic of involucre ciliate sparse at
tip Lfl 3. 8-2-29 since this was in early bud it
may have had rays not yet distinguishable.
The rounded cordate base strongly suggest
S. aureus which is common in Davis's Bk
esp in clearings. See 7-22-29


6-20-29 Kalemia polifolia Wang. G 633, BuLB 6814
Bsk. Sp. Bh Trail with above. Fls in axils of small brs,
6-20-29 small brs., each pedicel issuing from bet. 2 concave bracts


6-20-29? Vaccinium pennsylvanicum L. var. G 639
Ericaceae. Pro & bluish huckleberry. Bud very young. Brs. Spec. unpub. bing. Sp. BkI. Trail. Perhaps with Kalmia polifolia (above). St. green, warty with whitish spots, with minute pubescence which seems to be in 2 lines. The 2 bracts at base of pedicel x ovary, glabrous, with an ant-like appendage just below tip which is coneave minutely toothed.

Bract, exclusive of appendage, 2 mm x 1 mm. Pedicel 1 mm, pubescent. Calyx glabrous entirely glabrous, its ovate lobes 1 mm deep. The 10 stamens in short flattened filaments which show no signs of pubescence. Anths prolonged in tube upwards but not awned. Corolla still green but paler. Hinge broad on
edges. For clusters on short peduncle, terminal on long, last year, the winter makes dense, some at least, acuminate. Peduncle glabrous (not pubescent like pedicels). Bracts about 3 mm orbicular, glabrous, minutely (20×) ciliate on edge. Pseudobracteoles, the single oblong were making less tip just below minutely toothed apex (but notawn like as in the true leaves). Stipules consists of 5-fld but (2) more had evidently formed but not dehiscent. Basal appearing on uppers include only below that their base, its buds not yet at base of leaf. In no. entirely glabrous except finely (20×) appressed ciliate, but its edge base very noticable (20×) at leaf glans (or perhaps these should be considered very minute teeth with glands at apex) Cordia gannaphalos. No resinous dots evident on plant. [See 6-28-29]

6-20-29 RUBUS LACUSITHE POS. G 432, S1 B1 II 236 R. Spore. Bob Trail. Glands on pedicel very purple Stigmas bright white [Alas 6-28-29 Barachinable, 1st bank just above R.R. Bridge, Stigmata have not the white exudation. G 6-20-29 (Path problem will be studied soon after collectors) [8-19-29 15. R. R. from Highlands Ponds toward mouth of Butte River]

6-20-29 RUBUS IDAEUS L. var. ACULEATISSIMUS REGEL Tilling G 486 = P. EFFIGIENS NICKER B0 R1 II 237. Early bud, Sp. R1 3. Trail. Calyx bristles gland tipped; calyx yellow. I a still brown (veins green) are pubescent esp. on veins beneath.
6-20-39 beneath but hardly "whitish downy". St. not glaucous, thickly beaded with weak bristles.

[7-12-39 B.C. R. Bell Cooper. Barachois. Low whitish down beneath]

Frequent. Bark smooth, brownish-gray with conspicuous white lenticels. No remains of flowers.
Lvs. elliptic oval. Rounded at base. Youngest growth with veins. Lvs. have whitish (resinous?) dots which seem to turn brown later. Charlie Legge calls it "Red Alder."

6-20-39 Acer
6-26-29 Chex

Very young larvae. No hair. Twigs reddish, smooth, velvety, especially at tips. Leaves suggest A. rubrum.

(See 6-13-39)

6-26-29 Cornus


Twigs reddish, smooth except very young, which have short appressed white v. brown hairs. Petioles of lvs. both sides with short appressed white hairs. Petioles beneath midrib beneath, similar brown hairs.

6-26-29 Viburnum Cassinoides L. G760, BvB III 372

Foliage buds half grown. Leaves light. Both sides, esp. beneath, brown sear. Punctate. 8-5-39 Very young

(See Marsh bet. F. C. and S. R. P.

6-26-29 Caltha palustris L. G 404, BvB III 85 Fr. (falling)

Spencer Brook Trail

6-26-29 Geum macrophyllum Willd. G 495, BvB III 271

Paul.

Spencer Brook Trail.
6-20-29? Epilobium angustifolium L. G576.
Chamaenerion — Sept. 30th, 890, Short, in hig.
No fls fr. Sp. Blk Trail. St. red at very base. The lower
11 inches have very much reduced (stamen).
Mid-vein fls. very distinctly white. Young leaves
have margins very revolute. [Very common in
obersk 14.29, 14.30 v 1937]

6-20-29 Trifolium americana Pursh. G 646, Blk 7/5.
Sp. Blk Trail. In 2 sp. col. Pedicels finely gla-

6-20-29 Galium
No fls fr. Sp. Blk Trail. In soil 6-5, slightly rough on mar-
gins mid-rib. Angles not roughened. Backward 1-2-
ranulolate but not very narrow at base. Possibly
G. trifarium Michx. G 756, Blk 17 7-26 2. [Common in
this region & found frequently later]

6-20-29 Gentianopsis
Glade, Camp St. reddish brown, smooth-looking but
pubescent toward tips. Yu. st. 1-2 scales red-brown, in
ne, longer ones yellowish at base with rich red-tip
very striking just now). Glabrous except for one or
less recessions to ciliated. Yu. glabrous above and
beneath, ciliate, co-pr many yellow recessions
dotted beneath Prs, G. dumosa TV, G. or G. bellata T. Rock - the only Gs listed for NPL.

6-20-29? Equisetum arvense L. G 52, BuB I 39, Steil. Sp. Blk Trail. Found near a fertile st. J. E. arvense (branches compound) but branches are simple, bunched or winged, their sheaths with 3 teeth, solid. Sheath teeth on main st. 10, sharply acuminate brown tipped. Cross section like F. pratense E. Hille or E. arvense L. G 52, but spines Pratex not distinguishable as the arrangement in 5o. Centrum is 1 mm i.e. slightly less than diameter of stem. Sheaths not tight fitting. Would be thought E. pratense if reported from NPL (see 7-6-29) [x there is original but surely a function omitted]


6-20-29 Heracleum lanatum Niela G 631, BuB II 635. No fr. Spuce Blk Trail, frequent

6-20-29 path, shortly above. Small, milp. Matte, long runners, rooting at nodes. Almost entirely glabrous. Lab. 3-6 lin., veins distinct, projecting in almost but low teeth. Lfts. short stalked, pubescent. Stipules slightly hairy. Stipules from a tubular sheath, bottle like above, which enlarge prolonged into 2 subulate teeth on back. (see 6-15-29)

6-21-29 No fl. No leaves def. Toothed. Stalks reddish. Some lfts. allowing whiteish marks in center.


6-21-29 Anthoxanthum odoratum L. G: 121, B: 21, P. R. from Hotel Spencer Brook. With ab. Midrib of leaf hardly distinct from other veins.

6-28-29 Primula mistassineica Miels. G: 44, B: 25, P. II 208. Fl. Very common at Barachois Camp. (Infl. 6-21-29) in leaf blade slightly (sometimes very little) v. Lobes inside, copiously covered with very pale pulvini (almost white) colored meal. Scale bracts v. outside v. calyx. Alum pubescent, only traces of mealiness or possibly very minute projections that seem neither hairy nor glanded. (84x) Scale 2-3-5 inches. Pedicels 1/4-1/2 in long. Bracts 4 mm
lanceolate—not turbinate. Calyx 4-5 mm, hence shorter than any 8 pedicels. Scapae 1-8 fl. Corolla tube yellow, exserted 1 mm. above calyx tip. Corolla limb ½ in diam., white (usually pale as Trifolium; occasional ones pale lavender) with yellow eye, definitely notched. Lips not longer than 15 mm (including the broad or narrow petiole) nor wider than 5 mm and are mostly smaller. [See 7-8-29, 7-26-29, 8-6-29, 8-14-29 fl. October Butter 184]


6-28-29 Veronica serpyllifolia L. G 728, B 185 III 202 Fl. With above.

6-28-29 Potentilla Arenaria L. G 484 = Argentina Rydb. B 185 III 238. Very common Barachois Camp (In fl. 6-23-29)


[As 7-27-30]

duplicate in variation. Petals not more than 7 mm long. But note: as in O. P. nigra. "The
doubly crenate-acerate, the teeth gland tipped v
often ir 2 red glands on pistilate dt base of plant,
but calyx lobes entire! Stipules prota-lanceolate,

v deeply toothed. Stems longer than broad.

See 7-15-29


B/3 Meadow on st. bank of Barachois Bk. just above

Camp. E 7-12-29 Fl. Common in fields of Bill Cork etc.


bridge & only studied.

6-28-29 ? Viola pallens Brained G 584. B/3 II 556

Fl. Barachois, southeast of ford road (then swamp
road just beyond R.R. track) No hairs on lateral petal,
but sometimes "Scattered hairs on petals".

6-28-29 Viola cucullata Ait G 581, B/3 II 552 Fl.
Frequent along Barachois Rk [7-6-29 Cleistogamous fls. are long, slender, erect. Normal fls. on different plants vary greatly in color - dark to very pale.

6-28-29? Vaccinium pennsylvanicum Lm G 639
V. angustifolium Ait. B&B II 707 Fl. Barachois Rk south end of first load three swamps. Same as 6-20-29 The bracteoles at base of pedicels (see 6-20) seem to be deciduous uplands on back of hill seem to be missing on the more mature Gr (as found on others). Filaments are pubescent [7-6-29] St. distinctly puberulent in lines. Fls. white or more or less tinged pink.

6-29-21 Carum Carvi L. G 614 - C. Carvi L. B&B III 657 Fl. Barachois region. A common troublesome weed in hay fields which are sometimes white with Colored "Caraway" or "Caraway Seed" by natives. Seems the same as seen 6-15-21 at North Sydney.

6-28-29 Poa pratensis L G 156, B&B II 253 Fl. Fields from Camp to Actonville Tufted with running rootstocks hence P. pratensis (see G 155). Calix only 1 or 2 n. (perhaps because in grazed field) Intermediate nerves of lemma not distinct from outside. Otherwise as described except ligule only 1 mm long.

L lemma
6-28-29 Lemnae often plentiful type [probably this was same as #348]. 7-6-29 on which M.L. Ferrall 10-8-29 "resumed decision."

6-28-29 Juncus filicinus L. G273, B1814767 Fr. Mudflats Barachois Blk. prob. just above R.R. bridge. Stamina 6, anthers shorter than filaments (not as in J. battus) but perichaetium more coppery than green in color.

# 27

6-28-29 Eleocharis
Fr. Barachois Blk. in mud on R.R. bank. Culms slender, somewhat flattened, 5-in. high, tufted. Spikelet thicker than culms; style 2-odd; upper almost not "loose with white, sericeous tip." Hence prof. E. drapèia; E. ovata; E. obtusa or E. Engelmanni G186.
Scales purple brown, the green mid-line extending to tip, edges not conspicuously hyaline.
E. palustris var. G173, B181374


6-7-2-29 Fr. when only 1-2 in high. Robinson's along roadway.
6-28-29 *Hydrocotyle americana* L. G61, BRVIII 658
No fl. 41. *Barachois* Blk. St. bank, shorty above
R.R. bridge [See 7-12-39]

6-28-29 ? *Equisetum palustre* L. G 52, BRVIII 658 (Should
be studied again) [See 7-6-29]

6-28-29 *Vaccinium Oxyccorus* L. G64, = *Oxyccorus -
MacM. BRVIII 704 Buick Ditch, east side of R.R. track, Castiglione

6-28-29 *Barachois* Blk. ford road.
*Salix polifolia* Fl.; *Salix angustifolia* Nofl.
*Ledum groenlandicum* Fl.
*Rhododendron canadense* Fl. Dark to light colored.
[N.B. Season evidently later than 1930 or 1937.

6-30-29 *Dipsacaceae* Pall. var. *Canadensis* Fote vs
G 306 = D. Hoehrei Penny BRVIII 536 Fl. (1st Dips. seen here)
olive, st. bank, *Barachois* Blk. slopes in high vs
flavescen; more over 5% in wide. [See 7-3-29

6-30-29 *Juniperus horizontalis* Moench. G67, BRVIII 67 Fl.
Fr. Bluff, southwest month of *Barachois* Blk.
Forms a dense carpet
6-30-29 Draba incana L

Fl. v. g. 2. Gravelly headland at st. bank, mouth of Barachois Blk. All fr. stem, pedicels various, stellate pubescent. I. s. have also longish simple hairs on edges towards base, upper face side
most of hairs are simple. Sepals usually densely pubescent, with some stellate vs. some simple hairs. Plant 4 in. high [See 7-3]

6-30-29 Potentilla Tridentata Ait. LG 483

Sebaldopsis — Rydb. RVR1262 Pl. Plateau on st. bank at mouth of Barachois Blk.

7-2-29 ? Ranunculus Cymbalaria Rus. LG 391

= Halesperis — Greene RVR117 Pl. Left bank Robinson Blk at mouth. I. s. stem to largest of is only 8mm wide subglandular, about 10mm wide. Many with only 3 fr. at top, this maybe ranuncular. Octo. 1-571, lower ½ is turgid than rest. Nectars bit thick, mixed color. no purse. (R. aeris 7-52) has a very definite s. A. room for means to view drusen in 

7-3-29 Fl Barachois Blk at south end of barachois in mud v. on bluffs to south. All have a
more or less definite dark spot in lvs. Those on bluffs have some lvs to 13 mm. wide.

7-2-29 Sagina procumbens L. G 379. BV.II 51
Fl. Robinsons Bk, st. banks at mouth and in moist ditches along roads Robinsons village. Sepals always 5; petals 0-5. Sepals with very narrow edge 1 white L 7-10-29 Fl. Common seaward bluffs south of Barachois Bk.

7-2-29 Stellaria media Cyril G 382- Alkine — L.
BV.II 43 Fl. Robinsons, moist road-sides. Flowering when less than 1 inch high & general appearance not much as generally seen but ans. desc. esp.asto line of hairs down stem.

7-2-27 Bellis perennis L. G 799. BV.II 402 Fl. One plant only in ditches approaching Robinsons from ferry. L 7-6-29 Growing luxuriantly in garden of Martha Jane Nolan & opp. banks Deer Brook where it covered with snow they survive the winter perfectly.

7-2-39 *Verticordia lanceolata* L.G. 277, B0B1 635 51
Roadside Robinsons 1½-2½ in high

# 31
7-2-39 *Iris versicolor* L. G. 277, B0B1 537 Fl. Robinson let Ferry the 1st store beyond P.O. [later found plentiful along Barachois Blk]

# 32
7-3-39 *Iris setosa Pall. var. canadensis* Forst. var. 300 = J. Nothuri Penny B0B1 536. Fl. v. lady's p. frl. Very frequent on barachois al. mouth of Barachois Blk as near as any vegetation to the shore. Longest spike 6 in. Total 3 in. fl. No br. longer than this. Widest 1½. ¾ in. No observable diff in color vining fl. from bru 3. v. versicolor (07-2-39). Petals short tubular as desc. also almost pointed. Style branches def. toothed (pin 1/2 entire or obscurely toothed) Sepals abruptly widened below middle into an almost tubular blade, lobe 1½ in across (3½ is widest above middle into oval lobe 3½ in or less across). Fl. 2 (sometimes 3) at end sessile, in one case observed, a fl. bearing peduncle issuing from the spathe which is lower on scape (as in v. ½). Plant purpulish at base. Dried pods 3½ in high, no sign of transvas.
veins. Seeds 3mm wide

7-3-29 Draba
Fl. refuge on roto B. old building on Barceloia. 1 mount. 3 Barceloia Bk. (See 6-30-29) Plants 1½ in. high. No distinct rossette of basal leaves in ill D. A. Plus 3 basal leaves entire. Basal leaves with 2-3 sharp teeth on each side. Remains of last yrs. flowering stem show pods probably twisted. D. incaud 1. C. B. III 150

7-3-29 Primula mistassinica Michx. G 644. BvBII 708. Fl. large plants had scape 5 in. fls. 8 longest 1/4 with velveta 3 cm long.

7-3-29 Primula latifolia, G644, Bothe 708, PA.

Barachois Bluff just 20. 2 months on greatly reduced base bluffs facing sea. (cof with P. commutata camp, see 6-28-29 7-3-29) This corresponds more nearly to description of P. latifolia. Sepals 3½ in close.

3 pedicels, sterile, darker than 4 at camp where Sepals is slender. Slight green. 1 vs. beneath, sepals v. outside calyx (as well as inside) conspicuously mealy (sulphur-white). Calyx rattle inflated.

(6 at camp, slender) its lips purplish dotted at tips. Corolla a distinct lavender with yellow eye and about ½ in less dense than at camp.

Pedicels almost equal, about ⅛ in shorter than ⅛ in (instead 3½ vs. ½ lengths varying on one scape from ¼ to ½ in.) hence shorter than the ⅛ in calyx. Corolla tube exserted about as in 6 at camp, perhaps a little more to almost 2 mm. 1 Petal, corolla straighter on sides than 6 at camp (i.e. less distinct in middle), narrowest part at base) late and widest part

Marigold corolla entire except for closed petals. (6 at camp less corolla margins at apex more or less toothed or semi-sinuate besides being cleft.)

1 vs. show indented veins on upper side (as P. at camp does not), are more definitely petioled than many lips at camp. 1 Margin is cut into wide, while these at
7-3-29 Festuca
Early fl. Barachois at mouth of Barachois Rk. Culm 3-7½ in. Sheaths overlapping. Three lower to culm v all lax. Mistress sheath pubescent (the lowest one purplish), some unquestionably closed, others open as usual. Blades very narrow v involute, glabrous v shining outside, ridged silvery inside. Spikelets smooth, bright green somewhat glaucous, the tips glaucous sometimes purplish. Lemmas 5mm, slightly longer toward apex on back. Terminating in sharp point or a round 1± mm. Paleas almost as long as lemma, minutely 2-toothed at apex, ciliate on keel. Minutely pubescent on upper half of back. First glume 1-nerve, 2nd glume 3-nerve. Lemmas (not prominently) 5-nerve. Stamens 3. Plants from creeping rootstock. Seems not to be F. rubra or any one of Forma. See G 161, BvB1 269.
F. rubra, L. G 161, BvB1 269
7-3-29 Arenaria lateriflora L. 380
Moehringia — Fenzl 6075. Bud. Barachois
on Barachois Br. Filaments profusely. Ants
white. 7-6-29 Fl. Meadow at back Barachois Br
bet. Campov Ford. 8-14-29 Fl. Ann, St. Johnville, Camas
Appendage at hilum clearly seen.

#34

7-6-29 Poe
(See 6-28-29) On 10-4-29 M.L. Festell reserves.

7-6-29 Minusulus monileatus Doug. 393, B0B114
191. BM. 6C.P. 681 Fl. Roadside by house left side
Robinson's Br near mouth. "Established long ago
Fl. thrown out many yrs. ago. Called House
Musk -- is very sweet scented when grown in
house." Says Miss Helen who lives near by.

7-6-29 Triglochin palustris L. 380, B0B112 Fl.
Marsh (pond & saline) at bend of road bet. Barachois
Br & Robinson's Br. 5 in high. 7-16-29 Fl. young
Fl. Seaward bluffs bet. Barachois & Rabbits, tallest
3 feet 7 inches.

7-6-29 Stellaria graminea L. 381 = Alpine —
Britton 6B21145 Fl. Roadside, left bank Robinsons
Br. 7-20-29 Fl. Meadow, Petit Port.
7-6-29 Stellaria borealis Beigel. G 381
Petals none. Agrees with desc. except style, occasionally 5, are usually 5 quite distinct
or with one. Note 4 divided part of its length
into 2 parts giving the appearance of
St. angled much as in S. graminea. 1/2
larger. To 1 1/2 x 7/8 in. fl. uniform width
throughout. Leo. from v. Rome, e.g. upper ones.
ciliolate. Petals none. Sepals narrowly whitish
on edges. I see 7-11-29

7-6-29 Veronica americana Schuwein G 129
Bo B III 200 B. 6. Crossed meathum at mo. end.

7-6-29 Leontodon autumnalis L. G 869 = Apargia
autumnale (sic) Bo B III 316. FL. Meadows, st. bank
Barachois Bl. st. Campus field. Involv. a
smoky green. Tips of bracts dark, somewhat
webby with white hairs. Otherwise glabrous ex-
cept for straight darkish hairs on mid ribs. Some
bracts 1 x 2. Like ill B. V B. I see 7-10-29

7-6-29 Chrysanthemum Leucanthemum L. G 847, Bo B III
518 FL. Meadows Barachois Bl.

7-6-29 Drosera rotundifolia L. G 440, Bo B III 303 Bld.
Along road • light bank • Robinsons • Brook.
7-6-29? Equisetum palustre L. G 52, B0 BI 40. Sterile stems. Meadows r.t. bank Barachois Bk and sterile v.pyte (apart very young pasture r.o. side road, left bank) Robinson's Bk near mouth. 7'3' high with long unbranched tip. Teeth 9. Hack with hyaline white margins, branches 5-angled. Same design in cross section as stem. But sheath at very little if at all "wider upward in loose fitting" & the central canal is certainly more than 1/3 of stem's near 1/2-1/3 of stem.

7-6-29? Equisetum arvense L. G 52, B0 BI 39 Sterile at only. Meadow r.t. bank Barachois Bk. Branches 3 or 4 angled, their teeth long acuminate (7-6-29). Centrum about 1/2 total diam.

7-6-29 Cicuta alpin a L. G 662, B0 BI 612 Fl. sub. Common in Corn is not along Barachois Bk. N.B. Stipe not capitate but 2-petal 7-6-29. New jard marcel v. B said to 7-12 in-life.

7-6-29? Viola pallens Brainerd G 548, B0 BI 556 Fl. So. end f. food road Barachois. Vigorous clump at edge. 1 running water had one plant with luscious, sparsely hairy with straight white hairs as on petals. Other plants l.v. glabrous beneath. Assumes bear 1f. v. elatostegon fl.
7-6-29 Callichroa
Fl. Ditch near mouth J. Robinson's Bl. left bank
Fls. (at least some) perfect or perhaps to be consid-
ered as 10 fl x 19 fl in axil of same fl.

7-6-29 Moneses uniflora Gray G 628, BoBII 671 F
No. east corner of cross rd. (at cross)

7-6-29 Carex amuria Nutt G 232, BoBII 397 Young fl.
Rt. bank Baraehos Bl. shortly above Campo. Thing
Perigynium globules 3½ mm. diameter, orifice seems
closed except for protruding (2) stigmas, flecky pale
translucent green. Achene lentcular. Stalks
spikes sometimes direct them an empty per-
igynium sessile in axil of bract. Scales broad,
white to brown, with green mid rib. [See 8-19-29]

7-6-29 Glycycta nervata Trim G 159; Paniculata —
Kunze BoBII 264 Fl. Meadow, St. bank Baraehos Bl.
But 1st glume almost (certainly more than ½) as long as
2nd glume 2.

7-6-29 Phleum pratense G 129, BoBII 191 Fl. with above

7-8-29 Taraxacum officinale Weber G 865 =
Leonotodon Taraxacum L. BoBII 315 Fl. Campo Baraehos

7-10-29 Parmassia
Adv. and Coast of Barachois River Crabbes River. North of the runlet with buildings and boats at its mouth & just north of a bit of overhanging fence and a slide in lower part of bluff. No sedges more than 3 1/2 in. scene angle, usually (at least) with small sessile oval leaf well below middle (of some see base scene looks leafless) largest leaf basal. 5/8 x 1 1/2 in (often slightly cordate), petiole 3/8 in or less, rather flat & broad. Laminaeidea 3-5 segments. unit below. [See 7-15, 7-20, 8-19-29]

P parviflora (.) G 441, BvB # 218

7-10-29 Habenaria hyperborea R. & B. G 308 = Limnorchis Rydb. BvB 554, Fl. Field near coast shortly no. 8 Crabbes River

7-10-29 Gentianaceae. See G 654, BvB III 1.
Very early bud. Seaward bluff. 20 of Barachois Rk.
1 in high, light green, glabrous in pap. narrow, oblong 1 3/16 in. sessile. plicating, rounded
at apex, narrowed somewhat into petioles. Flo. solitary in axils upper leaf. Calyx with 4 deep lanceolate acute lobes. Corolla with 4 rounded almost entire lobes. Stamens 4, inserted at sinuses corolla.

Every almand shaped, flattened. Style more. Stigma 3-5-lobed, their apices 2 fimbriate. Crown & stamens with no peculiarities. Anthers at this stage, more than twice the length of flat filaments. 3 st. internodes very short & being close together with shallow, narrow groove down each side from edges of flo. Calyx in bud with lobes upright, flattened, 2 lobes with faces together, the other 2 (a third longer or perhaps narrower) each folded on midrib over the edges of the others. 2 (See 7-17, 8-19-29 Gentiana neapolitana Holm 5) 30BIII9

7-10-29 Gentianaceae
Very early bud, general locus above. 2 in length. Differ from above in darker color, internodes longer; at wing 4-angled. Lower, acute lanceolate, several nerves from base. Flo. mostly 5-merous. Corolla lobes with signs of fimbriate crown at base of lobes. Stamens much smaller than in above. Calyx lobes spreading in bud, not flattened as in above.
Prof. Gentiana Amentella 1 var. acuta Heerle
G 657 = G. acuta Michx 30BIII9 7-17-29 Same locus.
7-10-29 [locus. Buds larger, vivid. aurea]

7-10-29? Habenaria fimбриata P.B. G 311 = Blerhais-glottis grandiflora Ryd. BvB 335. Bud. Edge groomed at top. Rachis red. Herb at Cypress Flats. G 438. 3rd awalce beyond the one with road leading to shore. Lip broadly fan-shaped, fringed, Petals cut with Bud white but since it is very small (only 1/2 in exclusive of stem) probably this. 7-17-29 Santa locus. Buds still white. Largest is 3+ in (when fresh open) from tip upper sepal to tip of lip.


7-10-29? Leonotis autumnalis L. G 263 = Apargia autumnale N. Pur BvB 310. Bud with Habenaria fimбриata in tall grass in wet spot. Cfr. with form like one Col. 7-6-29. 10 to 10+ in upright (instead of less than 1/2 that length flat on ground). Discise. Shape to 12 in wide by 1/2 (3 3/4 in long) where branched near top, but no scales toward top; scale short, Inflo. bracts more woolly on edges outside of tip than in other form.
7-10-27 Plantago macrophylla L. G 745, BrB III 245
Fl. young fr. Sands of Coast bet. Barbara’s Blk
v Crabbs

7-16-29 Ranunculus repens L. G 397, BrB II 113
Fl. Sands of Coast bet. Barbara’s v Crabbs Rivers. Seen in
fl. 7-6-29 near Robinson’s Blk.

7-16-29 Spargula arvensis L. G 397, BrB II 57 Fl. young fl.
Field bet. Barbara’s v Crabbs. Aspect peduncled,
pedicles w outer sepals gland-fascicled. Seeds papery.
[8-19-29 Rd to Monts Bute Butter Bank (Crabbe Stopping)]

7-16-29 Campanula rotundifolia L. G 767, BrB III 295 Very

than remembered but undoubtedly C. and aludes
runners at base have the round cotyledonary base. St. has
many, lanceolate, all but those at very top, narrowed
into petiole, very remotely veiny, yellow-tinted, 1½ in (inc.
petiole 3½ in) x ¾ in. [7-13-29 Fl. Bill Cortis fields. None
There were some plants are like these here. pr 7-10-29.

7-10-29 Hypericum virginicum L. G 575: Treadium
Barbara’s v Crabbs. Lvs. distinctly purple beneath.
Sinapis — L. BuB II 193. Fl. Field on "high road" bet. Barachois & Cables. 6-18 in., very slender (with small b/o, twisted but unlobed) to very stout (with large b/o, somewhat lobed & set toward base). Plants hirsute with scattered stiff hairs. No b/o, creeping down beaked, with achen in bract. Fls 1/2-1 in. acro. Petals 11-13 mm x 6-7 mm. The 4 green glands at base of tepals prominent.

# 2
7-10-29 Discaria incazéla. (See 7-3-29)

# 39
7-11-29 Stellaria borealis Regel G 381: Alenis — Button (See 7-6-29)

# 44
7-12-29 *Brassica juncea* Corson. G 429, BuB II 193 Fl. Weed in potato patch, left side Robinsons Blk. near mouth. Fl. about same color as *Siganus* B. arvensis (7-10) but plant quite glabrous & somewhat glaucous. Pods have not the flattened beak. 7-12-29. (Spec. brought in by S. Charles Legge) See 9-10-29

# 119
7-12-29 *Listera cordata* P. Be. G 316: Ophrey — 1. BuB II 568 fl. In sphagnum, many w/m. woods on side of road near Barachois Blk. towards Robinsons
Fl. 3-4 mm across. Segments of lip not ciliate. (See BuBI) Forward curving teeth at base of lip very definite with a ridge connecting them, making effect of ox-yoke. Of 2 spec. collected, 1 had 2 tetra. In the other, had 4 at expected pet. and at opposite side of scape just below infl. width 1/2 in. axil

# 121

7-12-29 Habenaria obtusa. Richards G 309
= Lysiaella — Richards BuBI 556 Fl. Same swarm as above, but not close by. Of 2 spec. collected, one had small lip (or large bract) on st. 1/2 in. below infl. Column makes very deep semi-circular cells. 17-20-29 Fl. Partam Port. Ranine west, Iowa.

Dually lip to 8 mm long

7-12-29 Gennum macrophyllum. Wild G 485, BuBI 321 Fl. By stile on path from Bill Cook's out in Mankato.


17-23-29 Fl. Between Highland's Camp & McClean's Pond.

7-12-29 Juncus articulatus. G 377, BuBI 477 Fl. Bill Cook's, near stile. 3 1/2-3 3/4 in. 1/2 from outside do not show sepals. Branches less wide, spreading than expected from deck.
7-12-29 Nemophila micrantha Relesse G 555  
Burb. 490 ft. Marsh, east side for R. Barcelos

7-12-29 L. only from garden of Elsie Cook, called "Barn Gilad". Basally with petiole 7/8 in long, triangular with shallow wide groove on top. Blade of long \[3/4\] x 2 in, apex blunt, base inequilateral, finely toothed, light bright green. Both sides appressed pubescent (perhaps glabrous later) with many oil glands (20x). The few definite central veins branch v rebranch so that the many ultimate veinslets terminate each near tooth of the edge (each tooth having a veinlet). Pungent odor (St. ridged as observed in garden early 6/6 P.P. Cartersville 7-15-29) Reported as not flowering

7-12-29 L. only. "Lady's Love" from garden of Elsie Cook

7-12-29 Linnaea borealis L. var. americana Relesse  
route to Elsie Cook's house. Pedicels bracts, calyx all  
glandular pubescent. One pair the largest bracte  
at base, lower very densely glandular. Elsie calls  
this "Maiden's Flower". It is blossoming in sheets  
in marsh east of the road.
7-12-29 Prenex acetosella, G357, BvBI 653
on fl. Marsh east 4th road.

7-12-29? Aspidium spinulosem Sw. G43
= Dryopteris spinulosa Kuntze BvBI 21, Bill Corso
fluff, overlooking Robinsons Bk. Indusia entirely
glabrous, distinguishably toothed. Stipe chaffy
with more than few scales which are light
brown (Certainly have no dark brown center)
"Sori terminal on veins.

7-12-29 Phegopteris poly radioides Fee. G28

7-12-29 Galium triflorum Mill. G750 BvBI 362
Fl. * young fr. Bill Corso's ravine near Styline

7-12-29 Sicyrinchium angustifolium Mill. G302
BvBI 573, Fl. Bill Corso's ravine elsewhere (seen in fl. 6-28-27)

# 8

7-12-29 Hydrocotyle americana L. G611, BvBI 650
fl. Baradello's camp New As Nfla

# 23

7-15-29 Prunus pensylvenica L. G498, BvBI 328
young fr. from same tree as 6-28-29 # 22.
Fz. (a. t. s.) f. Indusia thin. Stone a little ridged
on side
7-15-29 Ranunculus Flammulata var. filiformis
Hook G 395 in R. restekanl. B R III 107
Lvs. very filiform. [7-27-29 Fl. Tract Br]

7-15-29 Ranuncula parishiana DC. G 449, B R III 103
Fl. Rt. bank Barachois Br. First meadows above camp.
1 or 2 sterile 7-10-29 but staminodia occasionally
3-4 are usually 5-6 (the 6th ± well developed)
7. St. angust. The sessile 4 which is on most, the
stem is almost always well below the middle

7-15-29
With above. Very early bud. 2ft. 5 in. high, very slender,
angulate from bases of the alt. lvs., a few hairs at base
otherwise glabrous. St. lfts. to top. (lvs. few, 6 in alt.)
St. lvs. narrowly oblongate ¾ in. x ½ in. 1-nerved,
very long tapering to base, almost entire but
with very low callous spines like teeth (distant) of
a similar callous at blunt end. The 2 leaves lvs.
(white ½ in. at base 2 ft.) similar but broader. ¾ in.
2 more def. narrowed into petioles which (like
st. at this point) are sparingly hairy. Stalk panicles
late, terminal. 2 or few fl. in axile 3 bracts like
lvs. but linear. Calyx 5 like lvs. or calar; corolla
either 5-petalled o 3-petled. Stamens 5. Anther
inferior, with 2 cells. Many ovules on style.
placentae stigma 2-lobed (above each ang. glottis nothing as possible) Red callus have 2 glands at apex.
(Perhaps Campanula rotundifolia v. glands are beginnings of fracts on pedicel. Callus spots similar found on C. 2 - 7-17-29) The ovary spineless

BoBt 612 I. Young fr. Pt. Knob Basadieostra 3. P.R. Bridge 
II Young shoots Bill Cobbey path 6/22 with 
III Aimee Moensli growing near I.
Bark not as unlike as previously thought. The I is grayish
as the thin white velv were drawn over it. I have.
markedly diff. Those to comparatively smooth above with yellowish cast beneath. II has brown
withe veins impressed above x very prominent
beneath. III smooth above x whitish beneath.

7-15-29 ? Populus Candicans Ait. G329, BoBt 588. Same 
Tree as 6-28-29. Many hrs as def. cardiacate broad as ill.
(BoBt) the others are narrow rounded or truncate.
Petiolar v. bro. beneath very finely pubescent. (BoBt) 
shows yellowish reniform deposits in dark green
above, white beneath. Strongly adheres. Sculptae
freely from its. mar. bro. oval, rounded at base
not at all like mar on tine. Bark gray, broken
Ni 74 fi. Jr.
7-15-29 Juniperus communis var. depressa Rusby. G 67: J. arbutifolia BURB 66

7-15-29 Polypodium vulgare L. G 34: BURB 36 young sp. Barachlo's Pt. from meadow Bill Cart's house. 16-20-37 Dick Cole, Elsie's father, brought specimen from a few miles up Barachlo's Blar. Rarely seen when people came from a distance to gather it for medicinal use.

7-15-29 Aspidium spinulosum Desm. var. intermedium DC Eaton G 49 = Dryopteris intermedia Gray BURB 22 Sp. Near 3rd house east J. P. O. Station (Cattail) Pr by young spec. as fronds only 5 in. long. Scales not noticeably dark centered but midrib are "denticate" and base with stalked glands. Some stalked glands also on lower surface of frond. Frond has flat effect.

7-15-29 Galeopsis Tetrahit L. G 69, BURB 119 Fr. Meadows by Barachlo's Bl (a very common weed at Bill Cart's). Upper lip 5. corolla tubular at summit (See note). 7-14-29 Middle lobe 3. lower lip sometimes only truncate.


7-15-29 Habenaria hyperborea R.B. G 308
(3) Limnorchis — Rydb. BuBI 554 Fl. Rt. bank
Baraclio's Blk. Meadow slightly above camp.

7-15-29 Viola cucullata A x G 587, BuBII 552. Meadow
rt. bank Baraclio's Blk.

7-16-29 Habenaria dilatata Gray. G 308: Limnorchis
— Rydb. BuBII 554. Fl. Brought in by Charles Aega
from 12th meadow above camp, rt. bank Baraclio's
Blk. Gfd with H. hyperborea 7-15-29
7-20-29 Fl. Port au Port. Meadow in front gate at
Line Quarry & in ravine west of Line Quarry.
8-23-29 Fl. Highlands Pond, rt. edge east of
1st Elm's Valley. Note: very often tip of lip remains
captured in tip of capsule even after pollen is
gone.

7-17-39 Draba incana (G), BuBII 150 (See 7-8 and 7-10-39)

7-17-39 Drisacea; Pall. Canadensis Forst. G 300;
St. Horatius Perley BuBi 586 Flumujape &. Shore, rt. bank
Baraclio's Brook. (See 6-30 and 7-3-29)
7-17-29 Helianthus complanata Griese. G 657, Br. ID 15 Fr.
Fields 30. J. Barachiosis Bk and (in very early bud) on second bluff below. General look of Helianthus canadensis. Distinguished from Gentiana amarella var. acuta, when not in fl., by leaf not being coriaceous clasping at base and unigl grooves at alternate in the nodes
middles versus distinct.
[8-19-29 Fl. unigl. var. Fields bet. Highlands Camp
and mouth of Butte Bk. Placentals project in-ward in 2. mostly folded]

7-17-29 Gentianacea
Same as 7-16-29, same locale. Very young buds only.
Cf. with Gentiana amarella var. acuta. Nether
(8-7-17-28 ident. unquestioned). Anthros at this stage
2 mm., reaching almost to tips of corolla lobes with
G. A. - a. has anthros 1 mm. reaching less than
halfway to tips of corolla. Flower plates than G. A.
but stigmas seems the same. In some
covering most 2 inner surface while in G. A.
there are 4 distinct rows. On each side another
Filaments affixed only slightly below sinus
corolla while in G. A. they are affixed near
dome corolla tube. This is not as common as G. A.
which, in turn, is less common than Helianthus
deflaxa. All above found near mouth of Bar-
achiosis is the brooklet where there were a few-
buildings and a boat beached. 1/2 in. almost heeled at base. Midrib apt to be purplish on back
[See 8-19-29 (Centaurea nesophila Holmii), 325 1939]

7-17-29
Seedlings 1/2 in. high in a clump. Seaward cliffs. 20. 1 Barachois Blk. Thought at first to be Panunculus
Cymbalaria Pursh, but leaves often 3-parted at base, each segment with 3-5 teeth, sharp as usual in P.C. and for each segment sharper at base. St. petioles 3-edged & brownish.

7-17-29 Campanula rotundifolia L.
N.B. the early round br. distinguishable from violet dark by the calyx spots which serve as teeth.

7-17-29 P. Lycopodium uniflorum Michx. G 769, 805 1847. Very early bud (not examined) but tuberous as evident. Seaward cliffs. 20. 1 Barachois Blk. 
[8-13-29 Fr. Stephenville Crossing black back of Inn & elsewhere.

7-17-29 Deschampsia flexuosa Trin. G 140, 205 1854.
Fr. Fields on top Johnstpo. S. mouth of Barachois Brook. Distinguishable from D. cespitosa (see 7-26-29) by the very
7-17-29 very fine bristle-like les, the much fewer & slightly larger floras & the twisty ones that are exalted. Pulm. 6 in lift. 7-17-29 Meadu along Trout BK to 3 in lift. In both cases a prolonged racilla not found or very minute.

# 45


mouth of Barachris Rk. Perhaps on seaward bluff to 5-11 in lift. Spikelet 2 mm long. Glumes equal, the 1st keeled, unipilose on upper part of keel, 2nd broader, rounded vamth on back. Both 1-nerved. Lemma bonyline, 3-nerved about 1/2 mm, very finely toothed at & Henenate apex. Palet 1/2 as long as lemma v. unirnerved.

± 36, # 38

7-17-29 Festuca

Fl. Seaward bluff to 8 month of Barachris Rk

4-7 in lift. Spikelets 10 mm, including awns. Lemma excluding awn 5 mm. (The awns, etc. suggest this rather than exact)

F. rubra L. G 161, BuBI 270

# 57

7-17-29 Festuca

Fl. Perhaps in meadows about the seaward bluff. 13-17 in. Spikelets 15 mm including
At

7-19-29 Calamagrostis canadensis Beauv. var. acuminata Vesey G 135 in C. — Beauv
BvBT 209 Early ft. Bill Corbin's near path. 2 ft.
pale green. Slightly longer than internodes
Glumes downy pubescent. But has otherwise,
main characteristics. Spikes 4 mm long.
[7-26-29 Henry's Brook, common around Ford & Skin
Cabin. Spikes 4 mm long. (Consider
pres. J. C. Langdon) since lemma seems
always dentate]

Marsh along west side R. P. moj. Stephenville
Crossing frequent and seen in pers. mission
from train in various marshes at Cartville
& Stephenville Crossing. About 6 in tall.

7-19-29 Calopogon pulchellus R. Br. G 312
= Limodorum abortivum L. BvBT 563 Fr. with
above, in dryer spots and much less frequent
only a few still. Found. Seeped 6 in small with
2 ft. [7-31-29 Marsh near Frock to Plain Cabin
X question
1937
7-19-29 Andromeda glaucophylla Link G 635
inc. in A. Polifolia L. Br. B 27 689. Very young fr. March along R.P. no. 3 St. Crossing. Gt. with Fabricia Polifolia same locus. N.B. as diff. this br. are alt. were ranked above (like some kinds of lettuce)
[7-5-29 Young fr. Force-b-Plain March. Young fr. usually much more green & strongly revolute, like older ones, but not infrequently also to base pink or red, much broader (to 3/8 in.) revolute on flat]

7-19-29 Pyrus melanocarpa Well. G 457: Acoma — Britton Br. B 29 291 Young fr. Low about along R.P. no. 3 St. Crossing (see 6-20-29) but same fr. Stalked pedicel & calyx are present (hardly noticeable) possibly Parabutellia I. J. var. atropurpurea Robinson. Calyx lobes somewhat glandular. Points of teeth curved inward (on upper side) 8-9 so that only the rounded back is visible to eye.

7-19-29 Vaccinium pennsylvanicum haw. var. angustifolium Gray G 639. No. fr. Witheron largest of 1 ½ in. 5. [8-5-29 Young fr. in Force-b-Plain March of with V. pennsylvanicum same area & locus]

N. B. Lilacs in blossom at Portan Post 7-20-29


7-20-29 Aspidium
Prob. media above but not in Crevices peck hole. on alpess below. Thi-pinnatifid the pinnules not sessile & deeply cut. Indussia velvetinglandules. Indusia still intact & white, transluscent as spores from black valve through.

7-20-29 Polygonum viviparum L. G359: Bioretta vivipara S. P. Gray BuBI 671, FR. Portan Port. Cliff seaweed bag, 22+ leaves, brown. Zephyr, at end grass, sulfur green at base, white above; all the seed of the thimble, beak subulate, green, aged.

7-20-29 Phlegopteris Dryopteris Fee G35: Dryopteris — Better BuBI 23 Spores. Portan Port. east side near, with Viola Nut. leaves, var. minus. Limestone under the roof) Blades erect. Pinnae external, unbranched, lacking with segments curled back, perhaps because growing in sun—not all flat, fresh looking like those growing in shade. But job not P. Robertiana since no glands discernable. Fronds as pressed had not unthrew since collecting.

7-20-29 Phlegopteris poly podiosides Fee G35: Dryopteris Phlegopteris C. Clr. BuBI 23 Spores. Portan Port. Luce scooter, prob. on east side. 71x7 in. Many hairs on margins of midrib primarily branched or (since, esp. on midrib, the central portion is broad) these may be considered as scales with hairy edge (15.15). If scales note that they are white translucent like hairs, not like the brown, chaffy scales whose margins are not hairy, their acumenate tips often turning brown.
7-20-29 Cirsium muticum Mioks. G 858, BvIII 583
Fl. Road east J. Highlands camp. 1 no only slightly later. 1927-29 var. subpinnatifidum Fernald. Fl. Main st. had been destroyed 20 that same evening.
3 lower branches which may account for it.
8 dif. shape than in species.

7-20-29 Gennian riziale L. G 486, BvIII 723 Fl. P. Port au Port. Ravine west J. Quarry [Also 7-21 fl. near around Force-
le-Plain Cabin]. St. ato. v. peduncle purple. Pedicels out of calyx. V. lower part of style gland. pubescent.

7-20-29 Semicula marylandica L. G 610, BvIII 623 Fl.
Near above.

7-20-29 Pyrola acuminata L. G 628, BvIII 671 Fl. v. remains
plast. 1. P. Port au Port. In vac. Mato. area from above
at Line Dray. Resumes around. Pedals finely dentin-
late.

7-20-29 Consolidaque trifida Clairtaus. G 317 z C. Coral-
loosriza Kaut. BvIII 574 Fl. very badly withered. P. ex Port in wet scrubby meadow below store at
Line Dray. in shade.
7-20-29 Saxifraga aizoides L. G 416 c. Lephtasea—New B 0 B III 217 Bud. at foot of gypsum cliff, Kittenas River (bunch only found in which part only collected) Studied 7-31-29 when fl fully opened in boxes. Not glabrous (see B 0 B) but punctulate.


7-20-29 Allium Schoenoprasum L. var. aubriicum Haskin. G 287. A. aubriicum L. B 0 B I 477. Bud. Meadow in front of track. Line Dune. Port. Port. Fl. seems malformed as the inside the normal stamens are 3 or more small scales (perianth parts?) each subtending a small stamen.

7-20-29 Empetrum nigrum L. G 551. B 0 B IV 478 Nof.

7-20-29
7-20-29 Primula laurentiana Fernald
Young fl. on limestone cliffs in little bay east of lime quarry, Porton Point. (See 7-3-29)

7-20-29 Primula mistassinica Miéls. G 644, B 31708
Further back in meadow than # 30

7-20-29 Achillea
Fl. Porton Point. Rocks in bay east of lime quarry. 3 1/2 - 6 ft. high. Bracts all brown undamaged. Stalks woolly, less beneath leaves. Blade of rays 2 1/2 mm. which is fully half the height of involucre. Prob. only A. Milleriense L. G 845, B 31705 but could not pass. Le A. borealis Bouquet. G 845, B 31705.

7-20-29 pedicle v. rosy, these latter (and similar hairs on young shoots, petals & veins beneath) sometimes turning brown 7-22-29 around Forest & Plain Cabin.

7-20-29 Brassica Campesiris L. G#28, BvB#179 P. young fr. Field at Stephenville Crossing & Stephenville. Quite glabrous, glabrous except the very lowest (cutting), leaves which are hirsute dorsally both sides. Fl. bright yellow, about \( \frac{1}{2} \) in. wide. Petals 11-12 mm x 5-6 mm. The glandular evident as in B. vegetables 7-10-29

7-20-29 Polystichium Braunia Fee G#44, BvB#178 P. Kittens River foot & gypsum cliff 17-22-29 Common on Nancy's Blk around Forest & Plain Camp

\# 43

7-20-29 Pterospermum paniculosa DC. G #449, BvB#213 P. cliff j little by just east of Lime Quarry, Pטור by P. Staminalide 5-6, P.B. know this is also 5-6 perhaps also this causes to be true. See 7-15 & 7-15-29

7-20-29 Fragaria young fr. Portland West Bluff in front Jasper at Lime Quarry. scape as high as 2.5 ft. compound. Sepal v. esp. petals marked by spiraling pubescence. 2fts patent tend. knot & calyx above. Cfl with
F. J. 7-22-29.


7-22-29 Senecio Balsaminus Muhl G 854. S. panpeculatus Meier x B 3 III 545. Fk. near above. Thin high. Fk head smaller (3/4 in. across). 1/1 in. high. Corresponds to sec. B 3 except glabrous throughout, not so well to dense. 3. Young calices look as tho they would be lin. pubescent on edges. E 8-11-29.


7-22-29 Shepherdia canadensis Nutt G 570 — Leptonychodes — Greene BvB II 5%. Young Jf. F. P. Cabin.

7-23-29 Anemone virginiana x G 402. BvB II 99 Fl. Harris’. BvB II 4 F. P. Cabin. Fl. 1/2 – 1 1/2 in. diam. Sepals more or less lacerate at apex. A. riparia Fernald New to As. Fl. G

7-23-29: Descurainia nuda Gray G 253 BvB II 489 Young Jf. short pedicellate, clustered. Stigmas seem to be 2-parted, sessile (judged by remains of Jf. Most have fallen leaving a small, almost circular, disk. A. stem end is an almost circular disk from which small 3-nerved lanceolate, acute, not ciliate, thin, dried lobes are falling (number
not ascertainable) Fr. contain 3 flatish petals. In alt. value were 3 3/4 x 1 3/4 in. Petioles 1 1/8 in. Stipules small, narrowly linear acuminate, still persisting but drying up past deciduous. In acute or acuminate at apex, those at base, lateral nerves strong (recess). In. subulate but tips of teeth turned inward so that only its rounded back is visible to eye. Leaf dark green above, somewhat lighter, valinina below, glabrous except pubescence beneath. R.R. back
Hev. Brook 19 F. B. P. Cabin
6-29-29 Some fr. has turned from red to almost black. This is Rhamnus alnifolia L’Her.
G 561, BVB II 583
8-19-29 No fls fr. Rid Highlands Camp toward mouth of Butter Brook; 9-5-29 F. (poor trees) in 1st marsh east of Highland Camp.

7-28-29 Prunus virginiana L. G 498 - Radus manna
Roeves BVB II 329. Young fr. brought in by Charlie from near F. B. P. Cabin.

7-25-29 Mentha arvensis L. G 711, BVB III 152. F.R. Hayno
Rk. Shortly below Capt. Campbell’s house, leaves broadly oval, rounded at apex, almost sessile. Upper part ovate, acute, petiolate, v. much more abruptly renate (section not “close”, see G)
7-25-29 Santellaria lateriflora L.G. 694, BR III 106
Bud v. 2-fl. Harry Bk nd Cap. Campbells. [8-26-29 Fl. west end Highland Pond]

7-25-29 Agrimonia striata Mielx G. 494, BR III 268
Early fl. Numerous litton f. beneath plentiful but invisible only mag. (20x). No glands on achene.
Rootstock with several enlarged projections (prot. buds for next year) but less POSTENfort at full enlarged tuberosa. [7-27-39 Fl. Trout Bk. Dept. rep. Calyx tube seems minutely glandular.


7-25-29 Sphenopholis pallida Scribn. var. major G. 188 s. - S. - Scribn. BR III 244 FL. F. l. P. Catin v. Cap. Campbells. [See 7-24-30]


tap with long woolly hairs system below sparingly pubescent with similar the shorter hairs


7-25-29 Triochium melicoides Vasey G. 199


7-25-29 R. linariae

From 7-25-29 notes. St. without black markings. This might be considered P. oblongifolius but los are deltoid lanceolate, long pointed and are minutely softly pubescent above (not seceded), more nearly glabrous below (7-12-29 P. with no black marks on flat yellow flat found in fields about bluffs). Month of December.

[See 8-5-29]


[See]


7-25-29 Artemisia Canadensis Miéls X G 848. B 133 III 523 Bk. Lt. bank Harry's Obi. sand and gravel. St. purple

7-25-29 Smilacina stellata Dep. G 291 = Vagnera
7-26-29 Deschampsia californica Beauv. G 140, BooI 275
Fl. Edge & Harry's Pt. F. de P. Cabin. Irregularly involute
(some flat) not at all as finely responded as
D. flexuosa (7-19-29). Spikelets in this & in D. f., a
silver mane very beautiful in sunshine. Delic.
ated rachilla very evident.

7-26-29 Poa triplora Gilib. G 136, BooI 236 Fl. Common along
F. de P. Cabin.

7-26-29 Poa
Fl. Bed. F. de Plain Cabin & S. John Campbell, woods path.
[Redacted, possible error]

7-27-29 Poa debilis Torr. G 157, BooI 255
(Same as 5-7) Fl. Somewhere along Tract Bk. Very weak,
slender. Floret 5mm (not 3.5mm) vs. 0 to 2 mm
wide (not 2 mm). See G, but lemmas quite naked
except for sparse webbing at base, not this is only
possibility
7-27-29 Composites - Liquidambar
Full fl Field at month. Thorn. G. 34 in. high. St. below more less distinctly purple-stripped, the leaves (in mostly purplish, or reddish) ridged & more or less rough. Three-nut but never with thestellate hairs) Hieracium Canadense (7-25-29). Leaf to 6 in. all narrow, bicinate, pinnatifid Bases looser at. ho. or long petioles, the upper erect, but hardly, if at all, creeping. Basal leaf with petioles 1½ in. St. to 4 in. St. to have 2 progressively (unarmed), very narrowly elongated. Incuritate below, cap or veins, almost glabrous above. Infl. Carinate or
paniculate. Head yellow, ½ in. acroths. involv. ½ in high. Principal series 1. bracts appearined, with thick bases, pubescent outside, mostly green, colored outside, with thick dark hairs from base to about the middle. These bracts surrounded at base with bracts about ½ as long, spreading, esp. after anthesis. These abotic bracts similar to the others but without any of the thick hairs or without thickened bases.
Achene (fr. young) cylindrical, beadless, not conspiciously mahoner, at either end, glabrous, ridged (12-13 ridges counted) the ridged minutely papillar.
Pappus white (a. ½), not esp. fringed, dentate, but less so than in Hieracium Canadense. Roots thicker, about ¾ in. long. Receptacle flat, minute. A. intrillate. Fr. J. 870
7-27-29 Viola

1 fading fl. several plants (d) which past taken in grant on island off mouth downstream.

Trout Bk. Plant glabrous except for tufted few hairs in axils of some of the leaves on upper side of brl. blue with white lined center. All petals bearded. Fl. large \(^\frac{3}{16}\) in. from tip. Lower petal to end. Upper petals (apart) hardly \(\frac{1}{2}\) in long. Stamens rounded. Lower petal shallowly 2-lobed. Stamens. Cleistogamous flower, ascending peduncles, ovular. Cns. cordate, basal sinus rather broad.

[V. nephrophylla Greene G581, B1311 551]

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Under creel in field at mouth of Trout Bk. Numerous there - spot not kept. Wet or swampy. Petals very pale pink, the pinkish effect fl. heightened by petals in stamens. Most fls. distinctly cardate not rounded at base. (Loosely found near F. E. P. Cabin 7-24-29.) Plants 6-8 in. high. Fls. 3\(\frac{1}{2}\) in across. Anthers race with slight protuberances at end of p. opening. Lvs. to 1\(\frac{1}{2}\) x 1\(\frac{1}{2}\) in. Scapes bracted.

7-27-29 Pyrola secunda. G 628, B 875. B 671. B 875. With above and much more common. Note: in our initial all basal as in the 2 species; these are scattered along an erect at about 1 in. high from top on which scape arises. 8-5-29 Fl. Strip words on path F. L. P. Cabin Vol. R. P.

# 49

7-27-29 Listera auriculata. Weigand G 316 = Opheya
— House B B 568. Fl. badly faded. Trout Bk in alcoves behind our little lunchroom beach. No sign of elevation on lip. Otherwise as dese.

7-27-29 Viola renifolia Gray. G 584, B 875. Flat.
— near Pyrola. 1-2 petalules or stoln., usually very round at apex; sinus deep but narrow. Spor. often overlap. I usually put out above base with scattered exerted hairs; petals the same.
glabrous. Clas. fls. very small on slender, hoof-shaped peduncles.


# 92

7-27-29. *Holcus lanatus* L. G137 = Notholocus — Nesc. BU31. 4. Fl. Meadows along Trout Bl. Panicle not "purplish" but white, the glumes being bright white with green nerves. Anom. not looked at as far as observed.

7-27-29. *Festuca*

Early fl. Dry, on soil, upper part of field, south of Trout Bl. Culms 4-9" in slender vining, rarely being naked, as the few lvs. are on lower part with involute blades less than 1/2" long. Panicles 1-3/4" in long, purplish. 5 more, less glumes. Culms purplish above. Basal lvs. none longer than 5/8" in often much less. Spikelet usually 7-8 mm long including awns (longest 16 mm). Lemma 5-7 mm incl. the 1-2 mm awn. Lemma mostly smooth but one culm from same clump had lemma definitely dentate. Perhaps *F. rubra* L. G161, BU376.
9-27-29 Lolium perenne L. G/65, BR/III 28, Fl Meadow

left bank Trout R know. tram. beach. Panicles very narrow about 1 in wide (1-2 inches). Spikelets slightly flattened
3 mm. Arms exserted about ½ mm.

9-27-29 Galium palustre L G/49, BR/III 265. Fld. young
fr. with above.

# 46

9-27-29 Agrostis alba L. var. helgarensis Thu. G/132 in me.
A. alba L. BR/III 203 Fl Meadow no bank Trout R. Cull
12-17 in. high. Stem very short extending to become involute, at least in drying. Ligules less than 1 mm.
Spikelet 2 mm long. Lemma ½ mm. Paleae about
3 mm. Glumes purplish except at light colored
tip. Whitish effectively anis.

9-27-29 Arrhenatherum elatius Beauv. G/141, BR/III
220 Fl Meadow. Rt bank Trout R near fishing
hole. Cullus hairy. Grain globular. panicle erect. Nodas
½ in. long. enlarged conspicuous. In 6-29 Meadow
at mouth of Trout R & near Red Rock Pond. Straight
Bomgiano had short awns on upper lemma.
7-27-29 Cinna latifolia Gristet G137, B018 302 Fl. In woods, at bank Trout Bk. near Pyrola mines P. secunda. Fl. Prob. to 3 ft. no 6 mo more than 6 mm wide. Spikelets seem preserved only, hence perhaps C. arundinacea (not like 691 Bt). Ellipt, very slender. 4 mm long or slightly more. Glumes not more than 1/2 mm dif. in length. Spikelet with awn being not in the 4 mm, the 2nd glume at erecting the lemma. Glumes v lemma seem smooth ex caput near.

8-5-29 Fl. Cape T Campbell Rd. near Black Duck Sta 142.12 mm wide. Panicle 12-15 in long, 2555 mm. 17-29-29 space. Prob. not well developed. 2 nerves 9 mm wide not distinguished. Lemma seems to be erect tip. 2 others broad flat look. Panicle shining light green. 8-19-29 Fl. Highland Pond on rid 3rd. James Gale's place.

7-27-29 Danthonia spicata Ream. G 142, B018 225 Fl. Meadows along Trout Bk.

P. 93 New to Nfld

7-27-29 Lotus corniculatus G511, B018 359 Fl. on young fl. Meadows at mouth of Trout Bk. One plant only seen.

7-27-29 Festuca elata G 162, B018 372 Fl. Meadow along Trout Bk.
7-27-29 Oenothera missouri. s. G. 578/B 593 Fl. nullis. Bt. Bank. Trout Pk. at fishing lls. To 6 ft. high. Some have borne the enlarged (but not red) seeds. Lower flos are certainly in axils of foliage lvs.

# 60


7-27-29 Betula
Well developed fl. Trout Pk. Medium sized tree. All lvs under 6 cm. hence perhaps B. alba. 7. 935. Otherwise var. papillosa. Sp. Fl. flowering has lateral lobe rounded v. at sinus somewhat overlapping the narrower ovate central lobe.
7-31-29 Habenaria

? psycodes Sw

A. 16 in high. Raceme 3½ - 4 cm thick. Lip 15 mm wide. Fringe cut to varying depths but on lateral lobes is sometimes cut half the length of lobes. Color not deep. Sinus between lobes not conspicuous, no wider than cut in fringe.

B. 16 in high. Raceme 3½ cm thick. Lip 12 mm wide. Division narrower with sinus wider than in A. Fringe noticeably less deeply cut, hardly ½ more than ⅓ length of lobe. Color rather deeper than A. Has seen perhaps narrower than A.

C. 13½ in high. Raceme 3 cm thick. Lip 12 mm wide.

Small pollinia green.

B. small prob. H. psycodes Sw (G 311 - Blephariglottis)

A. may be H. fimbriata R. Br. G 311 = B. grandiflora R. Br. (B 315 558).

Fl. one 2½ in high. Raceme 3½ cm thick. Lip 15 mm wide, not fringed more than ½. Sinus very wide. Shade about as A. No doubt same species as B. C.


7-29-39 Hieracium canadense Mielix G874, B&O III 929. Early Fl. Near F.& P. Cabin near other places along Humpy Bk. 2 ft + in high. 4½ dm. except that stems of inflo. are minutely fuzzy with stellate hairs. Among those on pedicels are mingled stout dark hairs with long white tips. Stalk dark hairs without the long tip on beak of an.
volucris. I've more acuminate than illus denate, mostly below middle.

7-28-29 Nymphaea alba var. G 390 = N. — Soland
B & B II 78.F. (only) brought by Charlie from marsh F.C.P.
ca, since the outer 3 much smaller. Sepalae are
green outside, purple inside, p. var. variegata
Fernald. (Lo and Behold) Stigma yellow. Alary
bright red. 5x. 28-29 Fl. Mc Clellan's Pond (Caddo)
Carpels broken apart floating about.

# 41 #

7-29-29 Ranunculus recurvatus B & C 397, B & C III

7-30-29 Calicum asprellum Michx G 750, B & C 365
just coming into fl. F. & P. Cabin (8-19-29 Fl. T pays bluff
near mouth of Highlands River. Noticeably hay-
scented

7-31-29 Habenaria lepidocladiella Toss. G 318
=Blephariglossis — Hynd. B & C 357. Pollinia stiudilis
yellow. Marsh, west of F. & P. Cabin, Fl.
7-31-29 Gaylussacia dumosa TvG. G 634, BuB3 II 696. F.L. March west of F.L. P Cabin. 6 in. legume more or less young growth with stalked resinous glands, esp noticeable on mostly vilious upper surface. Too large 8 + open bell shaped, white, 7 mm long x 7 mm across, glabrous inside and outside. Charlie says fr. "blackish villous, large bellish than "blueberry"

[8-5-29 F.L. Same town. A Same as 7-31-29;
B Same with corolla pink; C Corolla reddish pink v. small, 6 mm long x 1 mm across, v. less openly campanulate. Suggesting G. occidenta but prob. not since leaves sessile v. lanceolate. Corolla not resinous dotted v. ovary is glabrous.]

B.F. Bracts large.

7-31-29 Vaccinium macrocarpon Ait. G 641 = Oxy coccus macrocarpus Pursh. BuB3 II 705 F.L. March west of F.L. P Cabin. Largest leaf 8 x 3 mm Corolla reg. 9 mm.

8-1-29 Impatiens biflora Walt. G 569, BuB3 II 440 F.L. Monchy Trout Rk (Plants were common at Barachois Barth Rk. Region

8-1-29 Scutellaria galericulata L. G 625, BuB3 III 109 F.L. Trout Rk. Only 1 plant seen (seen 7-15-29 in bed on Barachois Rk) [8-26-29 F.L. West side 6 inlet to Highlands Pond. Note: For fight with S. latifolia]
8-26-29 in very shut petals, otherwise than bracts, leaves lower, upper surface more sugary looking.

# 97

8-1-29 Ranunculus
Fl. well adv. fr. Trout Bk. Stems to 8 ft. Root long at nodes. Seen & studied from same place 7-27-29 [10-8-29 M. S. Ermold identified this as R. Macounii Button G 398, B x B II 12 butt

# 50

8-1-29 Viola
Fl. Sandy island opp. Capt. Campbell (i.e. near #55)
One flower. Blue lateral petals bearded not heavily & not at all clarately. Odd petal narrow x boat shaped, apolare bearded. Plant less than 3 in. high. 45% in. glabrous. Growing in pure sand. Other plants in vicinii but none in front.
V. nephrophylla Greene G 581, B x B II 551

# 50

8-1-29 Listera auriculata Wiegod & G 316: Opheya
— House B x B II 568 Fl. fading fl. bank Hare's Bluff.
Red Rock Hbl. • with Pyrola • scarce.
8-1-29 Daestyliis glomerata. l. G.157, BrB1351 R.
Meadows along Trout Brook.

Agrees with desc. will see to it. By far the best of this stage, the 5rib leaves are almost equal, the lateral ribs not at all winged. 8-31-29 Highlands Rk. above Pond. Wings 2/3 scale not yet developed.
9-7-39 Immature fe. Wet meadow, no side. 3
Highlands Pond near Camp. Galé Fl. now definitely winged.

8-1-29 Glycium nervata. Trn G159: Paniculata — Huntz. BrB1364. Trout Bank Fl. Stamens have shed pollen, lemma & palea are closed. Seems to ans. no other desc. but not as G. nis remembered. Spikele, 15½ in tall. Panicles 4 in. tall. Strict, Spikelet 2-fl. 2 mm long, lemma 1½ mm long, 2nd glume 1 mm. Stamens 2.
Sheath closed to top. Perhaps var. stricta. Scrub G159. Culm greatly flattened, at least below.

8-1-29 Circa alpina l. G602, BrB 1561. Fl. young l.
At "Biggersotte Farm" Harry B. Brkle. Specific
12 in. high. Slightly branched; vittate stems present; increasingly 20 toward tip. Fr. 1-celled.


8-1-29 Scirpus canadensis L. G 190, B & T 328. Fr. Marsh near Red Rock Port. 5-3-29 Fr. Marsh near east side of McClernand’s Pond (Highlands) Slight spongy texture, brownish front but with lighter brown ridge down middle, front like that on lateral edges. In some cases infected with smut.

8-1-29 Saracenia purpurea L. var. heterophylla Tour. G 441 in S. P. — B & T 262. Fr. Marsh near Red Rock Port. No petals in brown calyx (petals flushed with the typical form)

8-1-29 Epilobium adenocaulon Hausk. G 597, B & T 599. Furn. young fr. “Bbrigerton Farm” on Harry’s Brook (8-5-29 Fr. & 5-14-29 Fr. Fay’s Capt. Campbell Rd. near Black Duck Creek, Comma niveus) 8-31-29 Fr. By John Hall’s log barn left bank Highlands’ BH slightly above inlet. B. 41 in. high. Pubescent.
8-1-29 [Pubescent, glandular above. Small rosette at base with less bright yellow-greenabundant below (lobes artificial?)] and 8-31-29 F2. P. from Highlands Camp to John Hall's. No glands on pubescence. Note: Contraction of leafy calyx neck very obscure in all plants examined.

Fl. Culm to 19 in., very slender. Floret 8 mm.; or nearly, excluding awn, exerted 1 mm. Both glumes elliptic, pointed, the 1st slightly longer (about 2 mm.) or more gradually tapering. Both nerves 1, viscid on back, capaless, otherwise glabrous. Val firing, thin, purplish except for bright green stripe on back. Lemma thin, 2-mm., down 3 mm. Palea 1/4-mm., lemma bear turgid tuft of hairs (20x) at base at each side of palea. L. blade 1/2-2 1/2-mm. wide. Ligule 2-3 mm.

[In 1937 P.B.K. April 19, 1937?

(B) has short recurved hairs on angle of leaf, sides flat. *Glabrescent* (A) has longer, more spreading hairs on angle of same or sides, erect to exa
being much more hairy. (B) has less darker green than (A) with few short hairs above, but hair mostly on veins below (A) similar, but has hairs perhaps longer more abundant. (A) has much more bristles than (B) and all 12 rays much broader at base, veins at apex, more rounded at base veins of (B) (Scales 9/3, 27-29). (A) seems to be same as Mentha groenlandica of F. Le P. Cabri.

8-1-29 A spiculum spinulosum Sw. var. intermediu D.C. Eaton G 43 = Dryopteris intermediu Gray BrBI 22. Woods entering "Biggeron's Farm" from marsh path. Frond long narrow, 19 x 8 in. Basal pinnate no longer than those above (slightly shorter) without conspicuously elongated pinnules on lower side. Undusia vraeuilis glandulosa. Scales on stipe plentiful var. darkened at their bases.

8-1-29 A spiculum spinulosum Sw. var. dilatataum Hopt. G 43 = Dryopteris dilatata Gray BrBI 81 mitabore. (B) Frond short broad, 12 x 12 in., the lower pinnules longer than those above, with greatly elongated lower pinnules. Undusia glabra var. includia var. stipe (Outline from the vehicle. P.B. has been considering correct for var. dilatata) Scales on stipe.
8-1-29 stipe not abundant.
(C) like (B) as to being glabrous v. v. to elongated lower pinnales. But frond not as triangular in effect, 20 1/2 in x 12 in. Scales of stipe numerous, darker at base.
Pinnales in (B) v. (C) seem more decurrent than in var. intermediate of 8-1-29.

# 95

8-1-29 Trisetum melioides Reb. var. major Hitch. GI39 (See Graphiphyllum melioidesum Behur BRT 262). Bud in sand on island opp. mouth
Trout Rh. Tufted, 12 in. (2) per frame in full fl. Roots fibrous, thickly matted, yellowish.
Lower sheaths decidedly pubescent. Blades
sparsely pilose on upper surface. Spikes 7 mm long. Glumes unequal, the 2nd broader
longer, equaling the 1st lemma. Edges slightly
byadinate. 1st glume 1-nerved, 2nd 3-nerved, sef
rons or beard. Racemilla prolonged beyond 2nd
flt. V. like Callus, hairy. Lemma either minute
abrons or stipe (heel not very definitely
below), acuminate or with minute arm (not
more than 1 mm) placed about 1 mm below
the tip. Apex not markedly acute v. obtuse.
Lemma obscurely 5-nerved, the nerves
often made indistinct by the broad hyaline
margins at tips. General effect silvery-
green. [Pressed specimen cf 10-7-29 but not with microscope — with speck 8-25-29 &
seems the same.]

**# 53**

8-3-29 Pyrola americana Sweet G.C.29, B. & B. II 668 E.F. Brownly by Charlie from P.R. Track let F.E. P. v
Black Duck. 8½-10 in high. 14 to 15 fls (not counting several aborted buds) 1½-1½ in. None small.
but scapes bear only 1 bract ½ in long in
addition to the 1-several at its base. In bloomin
ring. Fls ½ in across, white (could hardly be
called greenish) another sale microrolate
at back, no “distinct neck” obvious but the
calyx lobes are certainly no more than ½
length of petal. Tip not very acute but
slightly spreading L 8-5-29 Plantsocean west
P.R. very short after leaving mark going
from F.E. P. toward Black Duck. See 8-6-29 P.P.
chloranthera

**# 120**

8-5-29 Listera Cordata R.B. G 316 -Opales -L. B. 075625
Fl. (evidently withering) in belt of Oak trees roads
on path from F.E. P. Cabin to P.R. Cookies 4 mm long
swollen roads to be almost globular split down
rides into 6 sections (3 narrow & 3 wide) but
evidently not ripe as few unopened ones
remained
8-5-29 remained on placenta inside. Sepals and petals still fresh looking tho lip withering or fallen. Sepal 2 1/2 x 1/2 in. greensch with slightly reflexed. Petals similar, at right angles. Lip withering but darker as tho perhaps purplish, longer than sepals (perhaps 1/2 times as long) cleft for at least half its length, at which point it is about 3/4 mm wide. Lip with a very deep curve to the on each side at base. Column short. St. pubescent above the lo, but upper part of the parts glabrous. Lip narrowly abruptly to sepal base Must be L. cordata. See 7-12-29, which is resemelal as having sepals and petals purplish. But if sepals & petals were spreading instead reflexed fl. would be almost 5 mm across.

8-5-29 Habenaria obtusa Richards G 369:
Lyssella — Richards B 41 556 Fl. with above. Note; lip sometimes 9 mm long valves with 2 ridges at base protruding upwards these not mentioned before. but indicated nivill 13 31 B 7-3-29 unique fl. Wooded point on east side. M. Cleburne. Pond. He left a part from Highlands Camp.

8-5-29 Utricularia Cornuta Michx. G 738: Stomoxia
linear tvs found but mostly not remaining attached at base of scape [8-28-29]. Very evident on far side of McLean's Pond (Highlands) with V. niglores var. americana. 8-26-29]

8-5-29 Rhinanthus
From young Dr. Black Duck Station. S. side of beginning of road to Capt. Campbells Main St. just at almost first flowering. Branches instruct leafy, seemingly normal fla. St. black lined at. This suggests R. tetragonellus Schinz & Thellung G 735 but base & calyx not noticeably purple tinged.
8-16-29 M. E. Female resembles R. cristata galei. Seems inclined to be a 'lumpet' in this species.

# 78
8-5-29 Melampyrum lineare Lam. G 733, B & B # 224. Fl. woods on Capt. Campbells Rd. from Black Duck. 8-6-29 Both. Rt tank Harry Rd from Red Rock Br. to Capt. Campbells.

# 64
8-5-29 Aster
Fl. (1st at spring in fl. 1929) West RR. near Black Duck. Shrubbery to 37 in. Glabrous below. Roughish pubescent above. St. naked at base. Lower sessile, the upper ones slightly cuneate to clamping (not markedly 20) lanceolate-acuminate.
8-5-29 aluminite, rough above, roughish putty or veins beneath. Lower few approaching entire but upper ones serrate with low but sharp teeth except at base of tip. Fl. 4 on marple, 9 on another, symphy- the lower on long slender branches which bear 1-3 very small br. near summit, scaling to terminal fl. Fl. lineaceous, violet (not dark), 32-38 mm. Involute % in high, fract in several areas, acute obtuse. Tips markedly spreading (very noticeable in bud). Tips green with whitish border which is not entire nor yet consistently ciliate. At base age lime, papery but not pure white but at least. In a dark bright green, only a little lighter beneath.

Sel. A. Radula Art. G 805, Bo B III 425 (this for in outline are more like ill 8A. non-belgik. G 813, Bo B III 431). spec agrees with description G as to scabrous br. [Evidently same as
8-18-29 Fl. Rd. shortly east of Highland's Camp with f. A. radula then in proportionally narrower than in ill G and B 813.

T. trifoliata

8-5-29? Prenanthes trifoliata Fernelot G 871

Nabalus trifoliatus Cass. Bo B III 336 Fl. Near above 22 in High. St. purplish below 8+ papules seem likely to be dark enough for R. A. and lower node divided, being irregular triangle.
halbed formed. But since Palza recorded only as far north as Maine not that none primary bracts have broad scarios margins vangriner. outer calyculate bracts are 8 mm long. No fragrance noticed. Bracts, flo11[8-23-39]Fl. woods by side of road above Highland River bridge. Some flowers for 3-clad otherwise as in 8-5-39 justifying assumption that both are P. triplicated and P. palza.


8-5-39 Erishops virginiense L. G197, BUR 326 Fl. in all stages young fl. But at times seem always 2. Broad white margins to scales, white filaments, v. light yellow anthers give this a whitish look at Anthesis. (Collected & studied also 8-1-39 from marsh opp. Red Rock Rd). 68 from marsh west J.C.P. Cabrini.


[Prost. 8-18-29 v. prob. Rd. slightly east of Highlands Camp. 2 ft high. Floret 2½ mm long, lemma with dorsealum]
8-5-29 [Late] not more than 1/2 mm which does not reach its tip. No other species seems possible.

8-9-5-29 Fl. Marsh east Highlands Camp. 2-3 ft. Profiles to 1 ft. the larger branches to 7 in. But this but profile seems larger than expected. Lemma with aorn 1 mm or less inserted 1/3 distance from base v. sometimes slightly overtopping. Lemma. Spikelets 3 mm. See 8-8-30 [p. 9].

8-5-29 Anaphalis margaritacea. Bov. G 822, Bv III 516 or L. R. P. Track near Black Duck (No 7. 35 acres). Dorsiventral leaves have definite black band bet the greenish lower part v. the white tip, between in inside. Style is divided about 1/4 mm. Bristles roughened.

8-5-29 Castalia odorata. W 27. R. W. G 391, Bv III 79 ft. Marsh west of L. R. Cabin, in little pond just no. 7. 35 acres. To path 6 ft. with Anaphalis, advena. Perhaps was navigate Fernelde from near by. 8-28-29. Fl. Near path at. Highlands Camp 6 McEwings Pond. Lea 5 in. long. Have notch 3 in. across. Fl. 3 in. very frapant. Peduncle (as pulled up) 1. 5 ft. Air channels 5 petioles up peduncles hair atangrians (few) in side.


8-5-29? Achillea Millefolium L. G 845, RV BI III 515. R. P. Hacket. Black Duck. surely this: flat-topped, hala. 2½ mm. but all tracts brownish at black at tips von marging. [8-14-29 Fl. Bluff near mouth of Highlands River. Infl. flat-topped v. at. lfy. Seems surely this but blade of frays are 3 mm. long i.e. ½ as long as involucr.


8-5-29 Solidago eleginosa Nutt. G 79, RV BI III 387. Early. H. Pr. E. R. P. March 18-6-29 Rud. March just west of Red Rock Point on path to Capt. Campbell's None over 12 in. lower lfy. 4 in. (including the 1-in pedicle) x ½ in. and 8-19-29 Fl. Rd. to mouth of Butter Rd. from Highlands Camp. But as hences, at this stage, not entirely glamous.
8-5-29 Aster
Same as #659 8-6-29 and #66 8-7-29

#65
8-6-29 Aster
Fl. Left bank Harry’s Bed. Menthol Trout Pt. v Red Rock
Pol. St. dark purple, 13 in high, glabrous below v white—spreading pubescence above, rough at tip,
1 ft. to base. In lancedolate, acuminate, arranged somewhat to somewhat clasping base.
Smooth above v below, except rough on edges, almost entire. Flower heads 7, 1/2 in across. Bracts as in #66 but barely ciliate. Varies on inner surface very few. Some 2 outer bracts longer than linears foliaceous. Achenes hairy
[FB. P.K. thought there might be A. nov-belgii.
G 8/18, B139 (Pt. 421), but acc. to M. Fernal they are A. foliaceus Lindl (G). B9B IV 422

#11
8-6-29 Aster - rutba Willd G 407, B9BE 90 Fr. Ned.
Left bank Harry’s Bed. Trout Pt. v Red Rock Pol
Peduncle v slender pendulous pendant

11:10
8-6-29 Aster - rutba Willd forma neglecta Robinson
Within 5 ft 9
Fr. white otherwise the same. 
Actaea
8-6-29 Actaea rubra Willd. forms neglected Robinson
Park, back Haury Rd. words path Dr. Red Rock Rd.
Capt. Campbell's (i.e., top Nov. 14th), within stretch of
less than a mile. E. white variegated as #10.

# 62

8-6-29 Mentha arvensis L. G 711, BuB I 152 F.
Capt. Campbell's path as blouses, towards vegetable
Garden

# 72

8-6-29 Streptopus roseus Mið lax G 292, BuB I 520
[kept to see if br. clumping enough to be S. drepanum
Fernald BuB I 520]

8-6-29 Dris Persicaria L. G 306, BuB I 543 F. Grove
pond at Capt. Campbell's Sepals yellow with dark
markings at base of blade; von claw. Planted and
persisting

# 100

8-6-29 Monotropa hypopitys var. G 630 with hypopitys americana
small or H. Langtona Nut. BuB I 675 F. Woods
Pt. back Haury's Brook at Red Rock Rd. St. free glabrous
or nearly so. St. somewhat pubescent at tip. Sepals
petals only slightly pubescent outside. petals
Petals conspicuously pubescent inside. Stigma
8-6-29 Stigma "narrowly bearded," Scrib. [H. lanuginosa] BS 2775. Also 8-5-29 fr. Anstriped woods on path from F. L. P. Cabin to P. P.

8-6-29 Monotropa uniflora L. G 642, BS III 674. R. P. E. Hanks. P. H. Red Rock Prof. Also 9-17-29 woods on path up mountain at Tompkins. Fl adv to stage where capsule is erect. Plant flesh colored, capsule def. pale pink.

8-6-29 Chelone glabra L. G 723, BS III 81 Burl. w. H. Woods path at back, Hanks P. H. Red Rock Prof. Capt. Campbell's vat Capt. Co Grove Park with trio Psoraleas.

8-6-29 Tricentron americanum Perdue G 646, BS III 715 P. Along path here above. (Seen commonly in fl. at Bill Corbin elsewhere at Bacealis 6-21 to 7-19-29) Note the white mealy membrane around seeds

8-6-29 Pyrola chlorantha Sw. G 629, BS III 669 F. (See P. americana 8-3-29 #53) 9 in long. 8 fr. Largest fr. ¾ in. Petale ¾ in. All low, longer than petals. Sepals with bract ¼ in long in addition to sepal at its base. ½ in. dull. Fl ½ in across, greenish white. Anther does mucronate at base w. a distinct neck. Carp. lobe not more than ½.
length of petal, triangular-ovate, tips not at all spreading.

8-6-29 Viburnum panceiflorum Raf. G 757 = V. p. Rhyt. 37 120 Unripe 12. Harris’ Rb. left trunk no. 3 Trout Rb. Note: some 3 lobes at tip of twig not labeled. In. cf. 3-19 with V. Opulums n. americana V. americana var. americana

8-6-29 Solidago macrophylla Pursh. G 790, B+ B 7 38 5 ft. Back /old building at mouth of Trout Rb. [8-19-29 Fl. Rb. from Highland Camp to mouth]

Butter Bush.

8-6-28 Gum macrophyllum G 895, B+ B 3 791 Young [and] gum videos G 896, B+ B 7 372 Pk. Banksg. Harris’ Shelter, Trout Rb. Red Rock Port. Cft as to brn. Note: Some balsam G. r. are very similar to those of G. m. i.e. large, round, coriace terminal leaf with few small lateral lobes. Clu. calif. is that of very petioled G. r. is less densely pubescent than G. m. But G. r. has also some 3-lobed. Terminating in 3 large lfts, the middle one concave at base while G. m. never has but the one uniform lobe. Stalks of G. r. usually 6-fld while those of G. m. are 3-lobed.
8-6-26 Aster umbellatus Mill G 814; Doellingeria umbellata Nees BVIII 443. Rd. left bank Harris’s Bk at Trout Bk & Red Rock Pk. 8-26-29 Fr. Highlands Bk at inlet to pond.

# 101
8-6-29 Thalictrum viscosum L G 425; BVIII 68 Fr. Bylame at mouth of Trout Bk.

# 28
8-6-29 Primula
Fr. left bank Harris’s Bk at Trout Bk & Red Rock Pk. Sameas P. as commoner Barachois Cabin L2 P. mistassinica Melix G 644; BVIII 708

# 102

# 72
8-9-29 Rynchophora alba Vahl G 200; BVIII 743.
except for few, rather long, dark upward pointing barbs at base suggesting A. P. oligantilla. BUT
342 except that barbel plumose part is very base only [see 8-28-29]

8-9-29. Pyrus melanocarpa Willd. x Aronia—Bitter
B-187 291 Unripe fr. Marsh west of F. & P. Cabin at east end of little pond which lies just no. entrance
to path (near Castalia, Cyperischoenus). [see 6-23-28
7-17-29). But since hers beneath are sparsely softly
pubescent (not "canescenent-tomentose") I predicted
viving fr. more nearly tomentose possibly
this is Parbutylia. X. Euphorbia Rendle
[Dr. B. H. Fernow's list] June 1930 3 these 1929
specimens gave "Parbutylia. X. euphorbia
Henry's Bush" only that, probably referring to #21

8-9-29 Cyperischoenus aculea ktt. G 367. Fiepischoenus aculea
Small, B-187 350. Plants bearing aculeas withered
fla. Marsh west of F. & P. Cabin at east end of little pond
which lies just north entrance to path—about 50
paces from end of pond on little path. Likely locus known
to R.B.K. in Nfld 1927-1937
8-7-27 Aster
Fl. brought in by Charlie from near Camp F. E. P. suggest 8-5-29 #64 in general look. 14 in high, 3 ft. square.
3 ft. smooth, below noticably white, spreading petalloborae, hardly if at all rough, leafy to base. 1 1/2 x 3 1/2 in, lanceolate (or widest at about middle), acuminate, narrow, somewhat to seride base. Smooth above below, except rough on edges, entire or nearly so. involucra 1/2 in high, tips spreading in bud but less so in ft. Petals more nearly same length than in #64 with tips linear, thickish, green, with no woolly border, ciliate very sparsely on finely hairy inside. Fl. blac, in axils, long, 3 ft. Achene hairy. Fls. solitary on peduncle (as usually but not always in #64) and peduncle lower fls. not as elongated as #64 when the terminal it is open. Hence not less coriaceous in effect.

See 8-6-29 #65

#64, 65, 66 = x. foliacea Lindl. [8, 30B III 422]

8-11-27 Aster-Same as #65; 66 Fl. Rt. bank Harry's Banks near White's Camp.
8-31-29 Bud. Height. 1 1/2 ft. high. 2 in; 1 1/2 x 1 in.
8-10-29 Betula lutea Michx. G 334, B 1316 610 Fz
mostly fallen. Just no. F. E. P. Cabin veat 3 paths
to this plant. Und with B. alba var. papyrifera (which
seems to have 8-9 pair prominent veins). Aside
from dim in shape of fr. note that petiole seems
always pubescent with longish white hairs. Many
deturgings nodules from short annual growth.
Petioles shorter than in B. a. - p. Charlie calls
this "Witch Hazel," says "good for furniture.

8-10-29 Ribes oxycauritoides H. G 457: Granulacia
— Mill. B 225 540 Unripe f. F. E. P. Cabin (at branching
3 path just in front of cotyledon.) Petioles with
soft short hairs on edge as well as long branched
hairs v. sometimes a gland tipped hairs and
sometimes what may be a gland (or an
articulating) on the upper surface or in the light
colored groove. Less glabrous above, somewhat
pubescent exs. or veins beneath. Dist. from
R. lacustre which its br. somewhat dense by
nodal spines, shedding bracts v. branched
hairs on petioles. (but note R. lacustre has long
4-7 hairs at base 9 petiole) V. veins at base
not less spreading.
E 9-5-29 Fz. Kat. marble east of Highlands Camp
8-11-29 Senecio Balsamifera. Mix # G854-3.


#63

8-11-29 Mentha aquensis L. var. Aquatensis Brugger G. 711 = M. aquatensis L. 3 x B 1327 Fl. F. de P. Cabin

8-11-29 Angelica atropurpurea L. 622 3 x B 637 Fl. young Fe. Very common F. de P. Cabin. Note: Respinging rough

(A)


(B)

8-11-29 Salix
No fl. Fe. F. de P. Cabin v. below. Twigs brownish olive-drab smooth or perhaps have been hairy at tips. No stipules remaining 100 leaves lanceolate oblong 1-2 in. long (shoulder towards base) x 3/8-½ in. wide. Sometimes acuminate at apex but usually about equally acute at apex and base. Margin revolute, entire. Upper side dark green, veiny, leathery glabrous-looking from early
8-11-29 early stage but when young has soft papose pubescence. Under side, when young, densely white silky-wolly; in older it is woolly, greyish leaving surface greyish pubescence to veiny. Petioles about 1/4 in. Perhaps S. candida Flugge G 327, AVR 1598. But consider S. ximinalis L. v S. pellita Anders. or S. fremontii Marsh.

(C) 8-11-29 Salix

No Horse F. f. P. Catie v below. St. like (B) but less brownish, at midst than (B) with upper parts densely white tomentose. Stipules semi-circular v strongly encarne outward, h. o. o. long to 3/4 x 1 1/4 in; the upper one veiny v strongly recurved, flocculent w. o. o. o. both sides. Upper side dark green, under side greyish green, very few toothed. Apex acute, base truncate or semi-cordate. The leaves (older) h. o. o. glabrous or almost so and not puckery recurved like those above. Margin fall loose with very few teeth or slightly inclined to be revolute. Leaves less narrowed toward Petioles 1/4 in. If (B) is not S. candida perhaps this is, in spite of diff. in shape 1 1/4 from all G. and P. (B) [See 8-19-29.

This agrees better with Gilead, a honey shrub.
8-11-29 Salix
No florets. Same location (A1, B1, W). Commonly seen on Harry's Bk with redscale, thin young leaves. Individually the same as 6-18-29, thought then to be possibly S. balsamifera Bartr. G 324 = S. joypitolia Andr. BVBII 596.

8-12-29 Aster jauniceus L. G 814, Rv13 Efl. 449 Efl. (1st scan)
F. le P. Cabin. 8-19-29 Fl. Rd Highlands Camp to mouth 3 Butter Fl, near James Belisle's place.

8-13-29 Sagina nodosa. Fenzl var glabamelaus Ach G 379, var. in S. nodosa Fenzl. BVBII 52 Fl. v. Occasional on sand bar. A beach behind Inn. Stephenville Crossing
8-15-29 Abundant on flats bet. Inn & sand duke towards bridge

8-13-29 Polygnum Convulvulus L. G 362: Ticiaria —
Wbl to Mon. Bv7 Efl. Beach back Inn. Stephenville Crossing
3.5 in. long. Achenes willbrough. 8-19-29 Fl. Fr. Rd Highlands Camp 3 Butter Fl. Note. An anthecia achenes smooth
swelling but multicarp, granules v dull.
8-13-29 Eleocharis sp. A.S. 1.8, A.R. 8.3.2. Z. 
Brackish marshy flats S. R. I. in front of St. A.
Cushing (276-28-29) Culms slender to 3 in. high.
Scales as above. Achene smooth, brown, shining,
involute pyriform but 2 mm. long. Tubercles
not more than 1/2 as wide as achene, higher than
bract. But bristles few, rarely as long as achene.
Cl. E. uniglumina Schultes var. halophila
Fernald & Brackett. See Rhodox Apr. 1929. M. L. F. has
agreed from same vicinity.

8-13-31 Salsolea Keli L. G. 310, B 311. 24 E. uniglum.
Beach behind St. Cushing. Calyx wings as justly
strong ridges not as in ill. B 313.

8-19-29 Exulcania Pauletti Robinson G 33, B 311. 2.18 E.
Beach behind St. Cushing. Cfd. with E. americana.
common in vicinity. 1/4 in. less high. Often much
branched into a dense little head. (See 7-25-29) Cul.
1 v. mostly 7-toothed. Some leaves 5-toothed. Some
1 v. mostly 9-toothed. Mostly about 6 mm. long. Stks.
3 in. branched. Corolla white, yellow eyes, violet
veins.


8-13-29 Plantago
Unripe frs. In sand on beach behind Dunn St. Crossing
Leaf shape like P. major but not larger than 1½ in
X 1½ cm. Pubescent both sides w soft tovelike hairs.
Scapes to 2½ in high, noticeably hairy. Pyxid
void, circumscissile rather below middle. Buds
several (7 in one counted). Calyx lobes with thick
green centers (narrow in the inner ones) wide
bears opposite margins.

P. major L. G 745, 30FIII 245 (only small in size)

8-13-29 Atriplex patula L. (or A. - var hastata Gray)
G 368 inc. var hastata. B 342/18 Filmy young frs.
Beach behind Dunn St. Crossing (also 8-14-29 on flats
beach near RR toward Bridge) Purple to 5 in high.
Fls. nighglomerulate as well (seem to be mostly 3 with
a few 5?) Fruitin' frs & show no tubercles as yet.
St. ulv. more a lopsided starry vase. Fglomerulate densely
covered with crystalline droplets. 8-19-29 Filmy young
Prostrate. Some frs tubercled.

8-13-29 Sagina procumbens L. G 379, 30FII 51 Fk. Seeds not
smooth but no hairs visible. (20X). Capsule about 5/3
length of sepals or not more than 5/6 longer. Sepals 4 valves.
At edge of beach behind Inn St. Crossing. Prob. this because plant is smooth, fls. slender, arcuate pedicels. But pedicels (20x) are distinctly smooth. St. only very slight by seions v. v. smooth on margins. Mid. 4x
Lvs. in 4's always, 5-10 mm long. Fls. usually 2 at a node (8x 3). Not solitary (8). Plant very weak, reclining. 8-19-29 Flvfs. But Highlands Camp v. smooth. Ruthe Bl. St. Koa. and at least some 8 pedicels seions v. v. smooth as they should be.

7-5-5

8-13-29 Polygonum
Flvfs. Beach behind Inn at St. Crossing. Since stipe are visibly exerted, prob. P. maritimum or little P. Foordi. Robinson G 358, B&B III 60. Little like ill. P. Foordi (B&B) as to plant but more like ill. P. maritimum (G) as to sepals. Valve as sepals tips are spreading rather than 'close against'. Calyx lobes def. green with mostly white or sometimes faintly pink margins. Achene almost 5 mm but hardly acuminate. [See 8-1-30
L. Ray: Burlington. See G 358, B&B III 60

8-14-29 Mentha arvensis L. var. canadensis Beaug.  
C 711 = M. canadensis 4.B 564.52. Batikish Station  
Bridge over Highlands River

8-14-29 Stellaria humifosa Roth G 383 = Alashe — Botta  
along P.R. in front of Inn Stephenville Crossing.  
Seeds not rough but may be slightly wrinkled,  
ot as circular in outline as in C 715. white  
plant like Small branches fill with node 1/4 in  
or less long.

8-14-29 Iris setosa Pellas canadensis Fortis G 3 60  
(When seen in fl. 7-19-29 this seemed same as at  
month's Barcfield's Brook.) Capsule in thin  
leath with. versicolor G 8-18-29) but seeds in all  
cases not in 2 rows, irregular in belt about 3-4  
seeds broad. Seed almost 3 mm wide.

8-14-29 Spiranthus Romanzoffiana Cham G 314  
road from Batikish Station to Bridge over Highlands  
River. Perianth gland. pubescent outside.
8-14-29 Habenaria clavellata. Spreng. G.30
Gymnadenia pinus — Rydb. BUSI 583 fl. With
epilantes.

8-14-29 Drosera rotundifolia. L.G.440, BUSI 263
Flw immature fl. Road. Cohoes Station to Highland
Pond. (Very common Force la Plain march 7-26-29
& later.)

8-18-29 Gnito versicolor. L.G.299, BUSI 537
long. Seed in 2 definite rows, more closely
packed than in G. versicolor. Canadensis ?

8-14-29

8-18-29 Aspidium noveboracencis. Sw. G.41— Dryopteris
noveboracencis. Gray BUSI 13 immature flw
Road. Shorter east of Highlands Camp.

Road. Shorter east of Highlands Camp.

8-18-29 Glyceria Canadensis. Thun. G.158 Penculalia
— River BUSI 263 young fl. Road. Shorter east of High-
land's Camp.
8-18-29 Epilobium palustre L. G 377, AVB III 592
Fr. (Specimen collected bet 8-11 and 8-15, at Fauso Plain, Stephenville Crossing on bet. Canoe Station, Higby Pond) No decurrent lines on st. Poor specimen main st. has been cut and transplanted from below. I do not "graftish velocity" or "canci-septato (setaless main inconspicuous)" to part 3 this seed 1 3/4 mm long (i.e. rather more than 1/2 line).”

8-19-29 Lobelia velutina L. G 769, AVB III 30 S Fr. Redfoot School House v Highlands Camp, west side. Corolla blue with conspicuous white spot at base of lower lip. Two protuberances at base of lower lip, the tube below with greenish spotted 4 mm in all. Rust pedicels (all except very lowest) longer than bracts and in younger fr., often petiole 7 mm long it projects fully 2 mm beyond top of calyx tube. Filaments dilate towards base. Corolla tube 5 mm. St. long 1 1/2 x 1/2 in, teeth represented by callus spots but not projecting. [See 7-5-29]

8-19-29 Gentiana amarella L. var. acuta Nutt. G 657 - G. acuta Michx. AVB III 9 Fr. On flat at little Harbor Point and at edge, browning at edge of bluff just so. J McCalhanda Core. (See 7-10-29) 1 1/4 - 1 1/2 in. long slender pedicels (from very short
8-19-29 short to 3 in high, one or more from axile
upper loc. or from axile loc. on the slender
stiffly appressed branches. Leaves linear, not flattened. Almond shaped as in #5.

8-19-29 Gentiana popingua Richards Bor. III 16 (not
in G) Fl. (see 7-10-29 & 7-17-29) Fl. At mouth & bitter
Brook frequent northward along scarred facing
Hill towards mouth of Highlands River. Very
common in places. Plants vary from a simple
at 3/8 in high (inci. a very short peduncle) with
a fl. 3/8 in high, to stem to 4 in high (inci. terminal
peduncle) to 6 in, with a terminal fl. 1 1/2 in high
and several similar laterals. St. sometimes
branched. Mid-rein 1 loc. (loc. seem 1-nerved)
and 2 keeled calyx lobes usually papillate.
Corolla lobes slightly dentate.

"twice glandular within at least" i.e. 4 green glands alternating
with stamens. Corolla 11/4 broad tube,
many seeds wide, almost covering inside
2 vary, not in & 12 in 2, seeds wide as in
G. A. var. Corolla very round, not smooth as in
G. A. var. Peduncle stout, rather than "slender.
Capsule almond shaped rather than "linear.
Corolla lobes very rounded, not at all "subulate
acuminate" (p. 18) in "ovate lanceolate" (p. 18).
Dif in stamens, set this and G. A. var not as
marked as in buds of 7-17-29 this in this
filaments are broader, attached to a higher point (about middle) tube, not colella.

[Genus name] neophila, Helen G, BUR 399


### 106

8-19-29 Ammophila arenaria Link. G136, BURI 212.
Fl. Bluff, bet. monthly. Butter Bluff,本月月, Highland River. Not frequently found, at least in H. Spikes to purplish Hudson. Rudimentary [??] (BVR 11) at. 1 mm long. Note that in this loose narrowness than in Elymus, the seta smooth tips long, less light (more yellowish) green, not glaucous, or sheaths, except top purplish. Portlets three, sheaths 3-4 in. long. As in Elymus.

### 179

8-19-29 Liguicrium secticum. (G618) BURII 678
Fl. unripe. One species only seen. On same bluff as above, probably not certainly, no. of little Harbor. Thought at first to be an all shaggy sp. [??] angelica, aromatic but not this. Finch [??] Basal field. Purplish base, dark aromatic root not collected. Lvs. as ill.
8-19-29 ill. (3013), very shining beneath, finely
wrinkled shining above. Young skin in cross
section like ill. (3013) the dorsal ridge perhaps not as
narrow as 3013. Flowers 1-2 narrow linear bracts 3/8 in. or less; involucres 4-7 sim-
ilar bracts 3/4 in. Calyx death not “stout” (3013)
but about 1/2 as wide as calyx in 3013. (This
fallen in 3013. Tepals of petals inflexed, anthora
lavender” (N. hence consider the possibility?
C. glophaenum actaeifolium Coulto Rose G618. Note II
[461d. 3013 not because aromatic qualities of the
thick leaves.)

(E)
8-19-29 Salix
Both the same spec as C188-11-29. Remaining fragment.
Bluffs between 3 Butte picking method Highbanks
fame 1 3/4 in. long on lateral twigs about 1/8 in.
which bare scar which may be scar.
Capsules acute, about 5/8 in long, tormentae on
pedicles hardly longer than imbricate twice as
long as gland, unbraced by villous persistent
bifolds. In undeveloped capsules, pedicels
no longer than glands. “Stigmas dished,”
style about spreading “narrow” (G) “Style
3 times” (or perhaps only twice) as long as stigma
mas” (3013). All this makes 3. candida prob-
able. Note: Stipules not broad concave
as in (C) 8-11-29, but not "lanceolate subulate" (B&G) not long as the petioles (B&G)

(F)
8-19-29 Salix
No flwr fr. No side brd about ½ way from Highlands Ferry to Schoolhouse. Tree perhaps 25 ft. Back and both, gun-metal color, Joe calls it "Firwood". 1½ oblong or elliptic, acute, raphately acuminate at apex, rounded or a slight narrowed at base. Dark green shining and smooth above; glaucous beneath with few hairs along mid-rib. Petioles & young frs. puberulent, as are bushes (at least one) young frs. with ferrigenous hairs. Flowers from 1½ x ½ in. to 6 x 2 in. Beak serrate with very low, distant, gland-tipped teeth, much reduced. For G. discolor Nutl. G3.5. Stipules semi-cordate, sharply gland-toothed, three at base & large ½ in. Fully 1 cm long and on distinct pedicels almost 2 mm long.

(G)
8-19-29 Salix
No fr flwr fr. Shrub about 5 ft, not far from spring at Highlands Camp. Stems & twigs brown (perhaps)
8-19-29 (perhaps) a little purplish, lvs. lanceolate or slightly oblanceolate, acute or acuminate, narrowed to base, definitely toothed, with gland-tipped tooth, turned inward, stiff and inclined to be appressed along branches, dark shining green above, glaucous below, smooth both sides, 2 1/2 x 3 1/4 in., on pedicle 1 1/4 - 3 1/4 in. Stipules small 4 mm. gland-toothed. Very young twigs upfolded, yellowish. Some flowers lvs. obovate valvate entire. A very young lf., shows remains of short fernenous hairs on upper surface and seem to show remains of white trichroid hairs along edges. Possibly same as Fig. 8-19-29

8-19-29 Hypericum Canadense L. G 8 - 76. BD III. 336. Flowrs. Rock near spring Highland Camp. Surely this belongs to lineas 3 - nerved lvs., v.atachne beats the stamens 15 - 18 in the 2 cases counted. N.B. The tiny oval 1 - nerved lvs. crowded at base 1st. are purplish 7-13-29 Flowrs. Path from Cables Station to Whitepine before return. Stamens sometimes more than 15.

- 105 -

8-19-29 Gomphicelium aquatricum. L. G 8 - 23, BD III. 436. Flowrs. Roadside on way to mouth of Buttie Blk., shortly beyond Allan's daughter's house. Cf. with the following G. tigrinum. 8-23-29
8-19-29 Lathyrus
North of Eagle on road bet. Highland Camps v. mouth Butter R. E northward about 1/2 mi. Two tiny plants about 2 in. high. Lfts. smooth tender, about 1 in. dian. Lfts. 3/4 x 1/4 in., narrowly oblong or linear, obtuse, 3-7 parallel veins. Glare but later somewhat reticulated. St. angled, very slender. Since the half sagittate st. pubes is only 1 mm long, only possibility in manuals seems L. tuberosa L. G 527, B 133 II 416 but evidence very incomplete.

8-19-29 L. montana autumnalis L. G 863 = A. sagittata
autumnale Hoffm. B 133 II 316 Fl. Mouth of Butter R. E. frequently the tricloquus in patazological farm G. Fl. has no achenes; tube about as long as in normal form but with fringed ambulacral segments at top. Or perhaps this represents achenes' beaks. Ray greenish, sometimes fringed purplish, 1 cm long above this fringe. Style prominently exerted, a few short v. seem rudimentary.

8-19-29 distance from base (mature leaf) (see 9-10, 15, 8-20 (or B.) R. B. (almost rounded) 9/16 x 7/16 in or less. Seed enclosed in a very long, brown, translucent, reticulated sac.

8-19-29 Fragaria virginiana Duchesne G 47, B 65 II 3 6 0 Fr. trip from Highlands Camp to mouth of Butter Bl. (also 8-11-29 Hayden’s Bl. near Whittaker). Ackery unembedded, scape shorter than hyacinthellum. Form = calyx lobes erect. But note that the have appressed villous pubescence beneath.

8-19-29 Potentilla anserina L G 484 : Argentina - Rhyb B 1 3 1 2 5 8 Fr. mouth of Butter Bl. Fr. with reddish, almost purple, petioles looks very much like a bearberry. Petiole grooved longitudinally all around and red; small, dark, stellar protrusion of red tubular.

8-19-29 Potentilla anserina L var. concinna see G 484 no fl. Fr. Bluff above McCallans Cove. Lfts. distinctly villous concolorus, thinner and densely so as beneath. Growing with the usual grass form.

8-19-29 Polygonum aviculare L G 3 5 8 B 0 3 1 6 6 1 Flwrs. On road to mouth of Butter Bl. Branch
ing rect or at least strongly ascending. Stamens strongly 2-3 mm. long, the lower 2 almost as long as the upper. Sepals are 3-2½ mm. long. Stamens 8.
[8-31-29 Fl. at the S. at John Halle's place]
8-19-39 Achene very dark brown, shining, almost smooth.

8-19-39? Vaccinium
Noth. cfr. Rhododendron. Butter Bll. beyond James Gale's place. Shrub (prob. about 2 ft.) with general look V. Fine green matly or paintlike tinged pubescent in mild from base of petioles. leaf thick stiff upright 1 in. x 3/4 in., ovate orbic., rounded at apex with pronounced blunt v. broad red mature, rounded at base, irregular with low teeth, rounded on back with sharp gland tipped point. Dark green, shining, conspicuously reticulate marked above, smooth except minute pubescence on midrib. Somewhat lighter, shining entirely smooth beneath. Petioles not more than 1/2 min.

8-19-39 Chara
See Coulter, "Plant Structures" p. 46. No flag found. Aquatic totally submerged in little pond at mouth of Butter Bll. Pond prob. fresh being near where we took water for lunchbox. St. 4 to ½ in. long, very slender, somewhat branched. From nodules about 3/8 in. apart, arise twigs 8-9 airless filiform branches (1/2 to ¾ in. long), which occur in turn ready to bear whorls of nodules (most of these secondary nodules whole length beyond microscopic 20x, 50x, 100x, etc...).
is somewhat like a very tiny Equisetum except no teeth at nodes as in Equisetum. Spherical orange-colored bodies found among scales are probably eggs, not seeds. 

Hippurus found 8-31-29

[8-31-29 Highland Brook above Highland Pond. Entirely like ill. in Curtis p. 446. Stalks in long internodes; long towards base to ½ in. or less. Nodes towards base sometimes enlarged with conspicuous whitish growth, the whorls of branches at this point not well developed. In upper branches, ovoid spore case consisting of greenish outer covering; inside it a hard black case spirally marked. Spore case 1½ mm high, dessicated, subtended by 2 small branches. Spore case seems late to become soft and whitish, perhaps passing thru the yellow form noted 8-19-29 [when thought to be egg of some insect not related to this plant] and frequently found 8-31-29. In some cases these orange bodies seem to be more globular with less spiral markings. Spore case] Oregon: [have the small flat, orange-colored radiant bodies any significance?] Plant has unpleasant pungent odor tho taken from clear running water at edge of brook.
8-21-29 \textit{Gnaphalium lognogynum}. L. G823
BvB III 455 FL Fr. Highland Camp

8-23-29 \textit{Potamogeton bejueuroides} Fernald G75
inc. m. \textit{P. perfoliata} L. BvB 80. Flwsmridge fr. Highlands Bk at pool above bridge. Like all BvB1 in all parts. Long about 11/13 nerves (more more than 15 nerves) but 1-4 cm long. Peduncles as thick as 2 cm, 2 mm wide. Measurements var. as spongy system. Fr. inc remains dry, fully 3.2 mm, poss. more. Style not "slender." No sign of sides flat, deeply fluted. Sometimes principal nerves seem 5. Sometimes rooting

\#78 Near to N fold

8-23-29 \textit{Potamogeton}
Fl. with above (in same handful). Loq. almost same texture throughout. Upper finer, lower coarse, of long-lanceolate, 7-nerved. Three to at.
3½ x ⅔ in (or bracteoles smaller). The topmost
leaf (valve) axil has the peduncel of blan-
coplate 1 x ⅜ in. obtuse, narrowed at base to slender petiole ⅘ in long. Stipules free, ½ in long, conspicuous in long bracteoles. Peduncel
to 1½ in, enlarged upward, conspicuously
roughened downward housed projections
(bracteoles) upper part of st. similarly
Tuberculate but more sparingly. Spikes more dense than in P. bupleuroides. Sepals 8-23.
Petals fairly very sliming, minutely white dotted. Both sides
Identified 10-8-29 by C.H. Ostenfeld
Copenhagen as P. rubricans Hagström
A hybrid P. bupleuroides Fernald
v P. granulifera

8-23-29 Myriophyllum alterniflorum DC. G. 603.
B. B. 415. No. in 4 ft. with Potamogetons. Lvs in whorls.
3's, about 1 cm. long, divisions capillary [Dec. 8-7-29

8-23-29 Erigeron ramosus BSP. G. 618, B. B. 440
Fl. Banks near post at one bridge on Highlands River.
Seems unquestionably E. v davidii double pappus.
Ray white, no no alternative but has unfamiliar look. St. slender to 18 in, definitely hooked or ridged, with appressed hairs on edges, otherwise almost glabrous. Lvs. all entire, those on
basal Plant ot long tapering to slender pet.
... having 3 distinct parallel nerves which
give a palantain like look. Upper lvs. spathulate
to lanceolate, sessile. All more or less glabrous
with short appressed hairs. Rays very many
as long as involucres, i.e. 5 mm.
8-23-29 Aspidium Cristatum Sm. G 42. - Dryopteris
Gray BoB III 19. Sterile fertile fronds. Rd. slightly
east of Highlands Cabin. See Note 137. Fronds thick,
coriaceous, vein y. darker & more bluish green
than Osmunda Cinnamomea growing near by.

8-23-29 Aspidium
Sp. By professor bridge Highlands Blk. 3 primatifid
indusia v. ering glandular. Hence would seem
to be A. spinuloseum var. intermedium but general
aspect unlike the form often found in woods
around Force le Plais and suggestive) Asplenium
Felix-femina in yellowish green cotae, pinnae
narrower, less deeply cut than var. intermedium,
curved backward. Only the lower pinnae notice-
ably spinulose toothed. This has been frequently
collected north of here before (e.g. 8-6-29 near land-
ing to old houses at mouth Trout Blk but
not recorded in notes). If not a form of var.
intermedium, the only possibility seems A.
Bor. But see Note 142. It does not suggest
A. cristatum v. this somewhat like ill. is
definitely 2 primatifid (3 primatifid) almost
to the very tip.

8-29-29 Lobelia Kalmin i. G 769. BoB III 303 F. Rd. between
School House & Highlands Camp. (See 8-19-29 495-5-29)
8-26-29 Menyanthes trifoliata L. G 660. BUS III 18. No flore. Merely a spot behind point westside. Junction to Highlands Pond like all except that it's red and

but definitely crested. St. succulent, spongy, in

cross section with whitish center. St. growing

on surface and very rootless. In all. Petioles to

in long, sheathing overlapping. Lfts. thickish,

gray-green, glabrous. 7-3-29 ft. (delegated) 1st

Indies east. 1. Highlands Camp, west side road.

Capsule thick.

8-26-29 Utricularia vulgaris L. var americana

Gray G 737 = U. macrostigma Le Cote BUS III 239 Fl.

Highlands Pond.

8-26-29 Utricularia intermedia Hayne G 737 BUS

III 238. No flore but undoubtedly this because 2

bistate toothed segments. Stalks borne on

separate branches of with Urnly. variae.

Also 8-28-29 No flore. Far side of McClean's

Pond. Be this this bistate teeth on margin not as

evident in many too.

8-26-29? Lyximachia terrestris RSP. G 645. BUS III 712

No flore. Highlands Pond. Bulblets in axil.
8-26-29 Hypericum boreale Dicknell G 574, BvBII 584, F. v young fr. Westside of Highlands Pond, Gfd
with H. canadense. 8-19-29. St. often reddish in white punctate dotted, stem very pl. and occasionally a few at base.

8-26-29 Hypericum virginicum L G 575: Triadennum
— Ref. BvBII 537 F. from very young Valmac trip
Westside of Highlands Pond.

8-26-29 Nuphar variegatus L. G 605, BvBII 612, Remains of F. v young fr. Westside of Highlands Pond.
Young fr. 1 mm. long.

8-26-29 Najas flexilis Roth v. Schmidt G 79 BvBIII 90
Young fr. Westside Highlands Pond. Tip of plant (less than 3 in.) floating in water. Lb. short (BvB) less than 1 mm. wide. St. disjoins at nodes very easily.

# 79
8-26-29 Potamogeton
F. Westside Highlands Pond. Stipules adnate to fr. in very narrow (perhaps a little more than 1/2 mm. Stigma sessile.
P. filiformis Pers. G 77, BvBIII 86
P. interis Rydb. G 77, BvBIII 86
The lower part of stipule coloured blue.
7 lines long as in Pinto; but fr. more as if it. filiform in shape & position, gummy apex. See also disc. in G.

8-26-29 Cornus alterniflora Michx. G, 62, R.B.I. 662. Fz. Highlands Pond Tule. Fz dull, greenish white (not tinged) blue. This is same as Force's Plain elsewhere earlier. lvs. whitish beneath & with the before noted appressed white 3-fork hair (i.e. hair seemingly attached to middle.


8-26-29 Equisetum palustre L. G, 52, R.B.I. 40. Fertile or sterile. St. Highlands Pond. Sterile at well-branched. Fertile at simple. Can be only this with its central cavity smaller than canlies in surrounding ring, whitish, margin'ed teeth but groves hardly seem "deep" not separated by "narrow longish wing-like ridges". (G)

8.26.29 Lycopodium aloecurum L. var. dendroides

8.26.29 Onoclea Struthiopteris Niffm. G45:
Malletteia - Todaro BvBI II Bank west side of
Highlands Pond. A frond much resembling
normal sterile fronds but some of the pinnae
curling backward & bearing spores. (Industria
not found this this is early stage). Another
pinnae the pinnae are recurved less
more flatter in normal sterile frond &
bearing no spores but occasionally the
"elevated cylindrical receptacles" are present
See Clute 258 on "intermediate fronds"

8.26.29 Fertile frond at upper end of is-
land in Highlands Rik above pond

# 156

8.28.29 Xyris montana Prie G 262, BvBI X51
Fl. Bog hole (boglet) on path from Highlands
Camp to Me Clemons Pond. Astelia depal fist
deciduous as bud opens (found in unopened
bud but not in opened fls) 2 oz to 3 1/2 cm but
scape sometimes hardly more than 4 cm
(bracteole). Often more than 1/4-1/3 the stipe
less scape usually twisted.
8-28-29 Drosera longifolia L. G#41 = D. intermedia Hayne BvBII 203 Young fl. With Xyris. Stipules fimbriate, making a fringe. 4-9 very narrow segments. Racemes never longer than ½ cm, <br>and bearing 10-3 fls. 2 when 2, the lower fl. sessile <br>(or nearly so), the terminal fl. in either case <br>sustained by a narrowly linear bract. <br>8-28-29 Young fl. Same locus. Cdf with D. intermedia. <br>Stipulae 2 in young fl. nearly as in D. longifolia. <br>

8-28-29 Pynechopoa alba Vall G#203, BvBII 349 <br>Floral. With Xyris. Drosera. See 8-9-29. Like that in <br>white scales. 2 stamens x the 7-11 bristles with <br>longish upward pointing barbs at base. But <br>bristles are not otherwise smooth. (having <br>shorter, downward pointed barbs except at base) <br>Culms no more than 5 in. (from supple soon set) <br>very slender, almost bristly-like, channelled, <br>often as long as, or slightly longer than, <br>culms. St. often bearing buds (next year). Growth <br>below br. M. budding out root from same point. <br>Scales rusty brown when mature. Each <br>head seems to mature but one achene (G) <br>M.B. achene seems stipitate ½ mm at least. <br>bristles do not all arise from same level.

Spikelets
8-28-29 Spikelets few (2-4) \[8-28-29 Another lot near by had culms to 12 in., evidently the same. Heads larger.


8-29-29 \[Eriophorum spatillum\] NutH. G 196, BuBII 525. 8-29-29 Far side of McClennan's Pond. Gb. with E. callitrichum. 8-29-29 same vicinity.

8-28-29 \[Kelma acuminata\] G 636, BuBII 699. 8-29-29 in several bushes. Path from Highlands Camps to McClennan's Pond. Note: Same with young growth has loose, shining both sides, bright yellowish green \(=\) tall glaucous. Reeds of long, at least 3x as long as wide. "Subglobosa" (BuB) prob. a mistake.

8-28-29 \[Eleochaeris palustris\] RoS. G 183, BuBII 314. 8-28-29 Far side of McClennan Pond in about 6 in. water. Spikelets slender but (2mm) is wider than.
Culm (immature summit) shape is not E. nuttalliana, E. quadrangularis or E. robotanica. Achene lenticular, style 2, leaf margin upper sheath not serrated or plant as red is not tufted. See later for rostech. Culm 18-24 in. Most achenes withering unattached but mature ones more or less attached. vill.

Also 8-26-29 Highlands Pond. Culm thicker See 8-16-30 for rostech.

8-28-29 Carex
Fruiting stage but moderate achenes found. Haschel's C. vesicaria L. G. 255. BvBI 438 (not reported from NJ). but achenes (at least 5 lines wide) & 100+ wide for C. vesicaria monile. Femal = C. monile Tuckerum (See BvBI 438). Since base is rather spongy & has nodules when drying this might be C. rostrata Stokes. G. 255 BvBI 434 except that culm above (esp. above lowest spike) is sharply 3-angled distinctly rough. West side of McClennan Pond, also 8-26-29 Highlands Pond.

8-28-29 Myrica Culm L. G. 329. BvBI 384. Stems (grew this year) but not having expanded. What seems to be buds or stems for next year. Near McClennan Pond. Also 8-26-29 stems of this year developing...
8-28-29 Solidago
Fl. Path from Highland Camp toward McClennan's Pond. Nearest second and not S. rugosa or S. canadensis. Recorded in manual should be S. unilatulata Porter, G 793, Bv 544 392. But lower leaves at 3 cm wide v. the upper. Most hardly "linear" or "pressed ascending" (G). Strongly suggestive S. neglecta if not. In this area, some specimens with undulate leaves with fascicles in axile, slightly pubescent achenes suggest S. juncea Ait. Recorded or said for S. unilatulata

8-28-29 Lycopodium inundatum. L. G 56, Bv 6144.
Very young spores. Far side of McClennan Pond in wet sand. The spore bearing at very short (1/2 in) spore in very early stage.

8-28-29 Vaccinium pennsylvanicum Lam. G 639
nie ni V. angustifolium Ait, Bv B 701 Fr. Edge of McClennan's Pond. Pdb 3 3/4 line. Also 8-29-29 Fr. Bartene just behind Highland's Camp. Has stiff variacum. Both eit with the following

8-29-29
No frost. In shade on path behind Highland's Camp. Has thiness. Slight green v. more spreading on branches but part also V. pennsylvanicum
8-31-29 *Sparganium densifolium* Graebner var. acutile Franch v.Eames 169 = S. acutile Rydb. BuBI 72. Almost ripe. Highlands Pond at west side inlet. Spike to tip 3-8 in., no. 2-3 in. more times length. Spike, and triangular to round, wide (hence about 3 links). Lower & head is almost opposite or slightly below the 2nd bract. When 3 links, the upper & are very close together, no sign of 3rd bract. Pedicel distinct but seems part of tapering achene (no. 3. J. E. corymbum which is only species sessile.


8-31-29 Veronica sanguifolia L. G128, BvBI 302
Fwpx in all stages. P'tht. Highlands Camp v John Hall's. No other possibility but note that sterile stems are prostrate w/ rooting. Capsules almost truncate


8-31-29 Carex striata Nutl. G228, BvBI 391 Fr. Left bank Highlands Slatepond. In strongly veined bridged so that cross section would look fluted. Scales white; even in maturity, with green midrib sometimes extended length of scale, sometimes much shorter, sometimes serrate as in ill BvB, otherwise nearly entire. Achene as in ill BvB. Edges of sheath recurved in drying.

8-31-29 Glyceria nubilenta Traut G159 = Paniculata — Nutl BvBI 264 Fr. Left bank Highlands Bls above pond.

8-31-29 Agrostis
Fr. Left bank Highlands Bls above pond. Right

#47

8-31-29 Agrostis
its branches 1½ in or less, whorled on short stems, bearing to base or almost. White, looking in fl.
Spikelet 3mm long, lemma 1mm, palea fully 1½ long (unpl.) Lemma minutely toothed at apex, 3 nerves; not bowed. 1½
9mm wide, pods more like ill. A. canina L. Br/B1265, than any other hill. This has prob.
been seen previously, previnously, this summer

In note: 10-8-29 from M.L.F. #46 of 7-29-29 is A. altaica
var. vulgaris Thumb. G132.

8-31-29 Potamogeton natans L. G72, Br/B176 Fl in
very young fr. Highlands Pond.

# 3

8-31-29 Potamogeton
Unique fr. Highlands Black box pond with Chesa.
Using Gskey: (a) 2 sorts fl., (b) submerged fl.
12-14mm, (c) more than 2mm, (d) not broad
coarsely reticulate each side; mid-rib is also
more than 6mm; (e) floating fls. tapering
at base, not heart-shaped; (f) floating fls. 9-12
nerved, not 30-50 nerved; (g) fr. not yet mature
fully 3mm long; (i) spikes about 2 cm long.
Fronds bright green hence might be P. hetero-
phyllus Schreb G73, Br/B178. But in fairly ad-
vanced state 4 carpels seem to be maturing.
Floating fls (h) which there are few) not like
8-31-29 like ill (BoB) P. h - but more like ill of P. alpinae Balbis BoB177. Floating lvs to 3.4 in (inc. petiole) x 3/8 in, narrowing very gradually into petiole. Achene like ill (BoB) healed.

P. alpinae Balbis G72, BoB177

#82

8-31-29 Potamogeton
Unique f. Highlands Bk. lades. Floating lvs slender petioles to 2-1/2 in. x 2 x 3/4 in. Oblong, tapered or rounded at base. Neck base s often in axils. Submerged f. are slender, very short, very leafy, branches whose lvs are similar to those of lemon but smaller & crispier. Reduncle stouter than at. Immature 1.3 mm. Spikes less than 2-1/2 cm. P. heterophyllus Schreb. forma myrio-

P. heterophyllus Morong G74 seems only possiblity. P. graminicola = P. heterophyllus Schreb.

G73, BoB178 var. M.L. Fernald 10-4-29

8-31-29 Pleogopteris polygodoides Fee G35 = Dryopteris Pleogopteris BoB123. Sphagnum. Left bank Highlands Sh above pond. Note: all f. longer (+4 in) than wide, the lower pair f. unions quite detached from those above and strongly deflected. Pallia & mid-veins freely chaffy. F. fronds pubescent
(not glandular)
8-31-29? Senecio occidentalis Chase G 192 BvB 1332 Fl. Highlands Pond (See 9-12-27 undoubtedly the same) But infl much more compact than ill (BvB) v broader long or longer than infl. Bractlets more or less dotted with red dense points, not (at this stage) viscid at tip and tip varying but not abruptly mucronate. Scales copiously red dotted.

# 40

8-31-29 Stellaria borealis Bigel G 381: Alaina — Button BvB II 476 Fl. in various stages, no capsules opened from Highlands Camp to John Hall's, south of outlet little pond on west. (See 7-6-29). Ripe capsule dark purple, 1 mm long, i.e. twice length of sepals 1 3/4 in long styles as 7-6-29, sometimes to 6 divisions. Very frequently only 3 (all on same plant)

# 71

8-31-29 Hieracium Canadense Michx G 874, BvB II 329 Fl. Fluv. Highlands Br. above pond. 1 ft high Otherwise like 7-28-29

9-3-29 Ciliogena viridulata T.V.G G 687, BvB II 204 F2 Wedged point on east side of McClenannie Pond.
9-3-39 *Juncea militaria* Regel G 375, BuBI 477 F1. McClennans Pond east side (turn to left when path from Highlands Camp reaches pond) Culm 12-14 in. Long reaching to 24 in. The ripen too far from rootstock forming a beautiful fringe in water [8-12-38 found at Highlands Pond]

9-3-39 *Eriophorum angustifolium* Roth G 197 BuBI 35 F1. Marsh near edge east side McClennans Pond Only 2 spec. seen. 1 in at widest 1/2 in. [9-5-39 F1 1st marsh east of Highlands Camp BuBI the same]


9-5-39 *Juncea articulata* Regel G 377, BuBI 477 with above. Noother seemer 030, except perhaps alpine but not strict as in ill (G and BuBI 35) alpine. Are not borne below the middle (BuBI) and capsule not offset (G). But note that petal segments are not acuminate, the apex being saucer.
with short tip, the petals obtuse with white
hyaline margins broadened upward.
Margins of petal often rolled inward so as to give
effect of petal being at least acute. Segments
mostly reddish brown or sepals greenish
on back. Plant 9 in. high. Sft 3 1/2 in. high.

9-5-29 Juncus bufonius L. G 270, BvBI 467 Fk. with abax
[See 9-8-30]

9-5-29 Juncus conglomeratus L. G 279, BvBI 469 Fk.
Seeds mostly fallen. Reach 9 Highlanda Camps. Not far
from patch of Juncus dilatatus. Each fr. has 2 bracts
at its base [Read as 8-16-30 when this identification
seriously questioned.

9-5-29 Juncus brevicornatus Fernald G 274, BvBI
481 Fk. Winnipeg. Marsh near 9 Highlanda Camps.
[See 8-8-30]

9-5-29 Sparganium minimum Eries G 69, BvBI 74
Fk (almost mature) in wet, muddy marsh along
road near 9 Highlanda Camps. 4 ft. in height. Head 3 or
(usually) 2, sessile, axillary. Lvs. flat, but thickish,
4 mm wide. Cf. with S. diversifolium Graebner.
var erecto Fernald & Farnes F 8-31-29
9-5-29 L. Lobelia Kelmii L.C.769, BR. III 363 (See 8-19-29 Same locus vio. marsh near by.)

Immature pod is 12 mm high X 5 mm wide, somewhat flattened. The upper 3 mm projects beyond calyx tube in flattened cone; this portion and about 3 mm at base contains no seeds. Calyx tube (at this stage) 9 mm while lobes are 4 mm. In anthesis calyx tube is 12 mm, lobes slightly more the longest 2 1/2 mm.

Pedicels all longer than the very narrow bracts. Corolla tube purplish, nectar inside lower portion.

This portion has 2 broadish white stripes which narrow towards top of tube, but broaden as they go over 2 protuberances at base of lip, extending further with only a very narrow blue line between, form the conspicuous white spot (extending well into the sinusae) at base of lip. These stripes have light yellowish green spots: 1 on each stripe in the tube and 1 on each protuberance (4 small). St. leafy only in lower 1/3 or less, the upper part naked except for 2 or 3 small extending bracts. Petals length 3 rim naked. Plant glabrous except pedicels which are minutely roughened. Perhaps pod should be considered inflated.

20-8-29 M.L. Eernald thinks #61 & 8-23-29 and #789-15-29 are surely L. Kelmii hence spec of 8-19 and 9-5 are also L. Kelmii.
9-5-29 Scirpus hudsonianus Fernald G 190 =
Eriophorum alpinum 1381 BI 323 Fl (mostly fallen)
1st March east Highlands Camp. Agrees with Hill
G 181 BI 12000. Stems tall fallen but adders eyes brittle
attached. Achene, including short apiculate
tip x narrowed base is fully 1/2 mm.

9-5-29 Muhlenbergia racemosa BSP G 127, BI 186
Unripe fr. March east of Highlands Camp.
Longest panicle only 1 in. Culms very slender
v. rough, not smooth (B 13). Ligule very
short (about 3 mm in. panicle) not blade
(B 13). Lemma certainly acuminate (G),
mid-rib not acrobatic extending in
sharp point 3 mm long. Lemma & palea
similar in texture v. 1 1 2 v. both sparsely
v. softly hairy (also hair on callus) v. 1
(2 x) show numerous white, short transverse
dashes. A base of panicle several florets
are not fertile and seem to consist of the 2
long narrow glumes only. 8-8-30

Culms in high. Filiform. Agrees with de la vill
(G 181 BI) but no lowest scales (B 13) seen.
9-9-29 Myriophyllum alterniflorum DC. G 603. B & B II 615 Unique fl. Highlands Pond near shore & near Camp towards outlet. Large plants but only 1 inf. observed. (See 8-23-29). Lowest set of flo (represented by (2)) 1 each in axil of 4 hrs. The lower 2 almost flat. in axil of small deeply toothed bracts. Above this flo. alt. in a small bract that toward top become almost entire. Ice in whorls of 3-4. Carpel smooth.

9-7-29 Carex flava L. G 245, B & B I 430. Fl. Nacis Highlands Pond bet. Camp & Gellis. Very like ill. (G) & agrees well with desc. but scalea not blunt (G) acute to acuminate.

9-7-29 Vaccinium Oxycoccos L. G 641. Oxyceccos — Mae M. B & B II 704 Unique fl. Fl. just east of Highlands Camp. Berry olive drab. finale spotted. (See B & B)

9-10-29 Epipactis Tesselata A. M Eaton G 315 = Pericarrum Tesselatum Nellis B & B I 569. Very withered fl. Unique fl. New road near (bet. id from Highlands Camp to Selot House and id from Selot House to bridge) Scape 12 in. Spike 5 in. Fls 33. No doubt that another is acuminate. Flowers atima as long or longer than body but lip seems more than 8 times (B & B) racemos.

9-10-29 Carex filiformis L G 248 = C. laioiiceps Ehrh. BUBI 427 F. (but achene may not develop)
Near vesp, with above. Agyei with ill placed but culms rough above 

Actaea
9-13-29 Actaea rubra Willd G 408, BUBI 90 F 2
Whitecliff Poston Craties River growing at edge of Allan's hayfield just behind camp.

Actaea
9-13-29 Actaea rubra Willd forma neglecta Robinson G 408 inc. in A. alta Mill. See BUBI 90 F 2. with above
Several clumps reach 8 the two forms within 5 ft. Each other. Vegetative parts seem quite the same.

N. to W. hill
9-13-29 Impatiens pallida Nutt G 560, BUBI 441 F 0
L. Whitecliff Poston Cotton River on Allan's Rd. near base of hill

- style
- style
- style
9-18-29 Juncus balticus Willd var. littorealis
Engelm. G 272 = J. — Will & BuBi #68 Fz. Path from
Cathles Station to Whitecliff. Before 1st turn. Stems
not more than 12 in. high, 5 mm. thick, slightly flattened. Dnsf. 10-15 mm few if at
at all "blonde," but in rather marshy older growth on burnt-over land. St. sometimes slightly
wavy (like certain plants seen 6-30-29 on
aboard J Baracho's Lk)

9-18-29 Luzula Campestris DC. var. multiflora
Celah G 279 = juncosides campestris Huntje BuBi
485 Fz. Near above.

9-18-29 Cypripedium bicanton Mill. G 307 = C.
reginae Walt. BuBi #49. No fl. or fr. Whitecliff on
path at edge of mowing just before reaching
Cabin. St. cut 3/2 in. above ground, 8 1/2 in. high
base 2.5 in. Involute, the lowest 4 1/2 in from base of
2 x 1 1/2 in. sheathing the st. for more than 1 1/2 in.
The 2 nd. 4 3/4 x 2 1/2 in., about 1 1/2 in. in above the low-
est the sheathing part much shorter 1 1/2.

with 9 very prominent nerves and many
obscure nerves between. St. evidently Syn.
to top. St. x br. ap. paras.里斯. Port. fleshy
fibers. Next yrs bud (in leaf) at base of stem
examined. Blooming buds & fls. with
9-13-29 Populus

No horse. Young scrubby growth on path to Whitecliff. Petiole very flat. P = P. Temuloides Michel G 328, BvB II 590. 1½-1¾ x 2 in (i.e. broader than long.) Very short pointed at apex, appearing of base or rounded? Broadly rounded at base (not at all cordate). Mostly entire at base, but lower toothed above. 3-nerved at base, glabrous, dull, coriaceous. Petiole & young twigs reddish brown. Contrasting with the grayish bark & grayish green foliage.

9-13-29 Acer rubrum L. G 558, BvB II 475 New Hampshire Small growth on path to Whitecliff (Allan pointed out a tree 30 ft high near by) Young twigs & petioles bright red. Veins reddish from inner red beneath valves quite as ill BvB. Note that some bals have the red crystalline patches (disease or insect produced) noticed in 1927 at Passaconaway (main H.P.) Gf with below.

9-15-29 Acer spicatum Lam. G 558, BvB II 497 Fr. Rd towards Cracker Station from Highlands River Bridge. Allan calls it "Whiteford."
9-13-29 Eriophorum virginicum L. G 197, B&B 326 Fr. Path from Crabb's Station to Whitecliff before 1st turn. Scales pale tan, the several nerves not markedly prominent, margin thinner, narrower, no green in center (B&B) nor red-brown in margins (G)

9-13-29 Carex
Fr. Path to Whitecliff. Pool. Perhaps C. Crawfordii Female G 218, B&B 380 but bow to 3+ mm wide. May be any one of several other species.

9-13-29 Agrostis
Fr. Whitecliff. Fr. scales with awns longer than scales but not twice as long. This is pool the same as seen at Force & Plain during July & Aug 1928


9-13-29 Botrychium
Both sterile and sterile fronds. Growing at Whitecliff because sterile blade thicker and segments not acute. This is prob. B. ternatum sub. vel. intermedius DC. Eaton or var. rectalefolium DC. Eaton.
A. 5½ in high. Sterile frond 3 in wide.
B. 3 in high. 2 in wide. Fertile spike alike. (see Clute 56)
[B. tenuifolium S. W. var. nitrofolium DC. Eaton
G 49 = B. marticariae. Spread B 0 B 15.
[see 9-10-30

9-13-39 Veronica americana Schwein G 327 B 0 B 1520
Flowers fr. Whitecliff brooklet from spring.

9-13-39
Fr. Whitecliff growing General look like Cruciferae
but not found in G or B 0 B. Evidently annual from
the few weak roots. St. in one case 2 in high
which upper 2-3 in. raceme 1½ (more shown)
seem to have been opp. on slender pedicels what
pubescence remains is straight (just pass. gland-
ular). Fls opp., the slender pedicels of the pedo
4 mm. Pod angular Thalassic but is not narrowed or
crested. Almost orbiculate. 1 cm. diam., very flat
transversely to the narrow disteminent. Pod
dehiscent along edges from top downward &
the 2 cells also tend to break apart from each
other at the base of the disteminent. Seeds
several in each cell on axile placenta and
evidently attached directly without a funicle.
Seed brown, very flat, ear-shaped, stringed
so that
9-13-29 that similarity to Euc is striking, 5" x 3". These plants had evidently grown in clay. Only dead at fr. found. Rhinanthus Crista-galli. G 735, BVB III 228. approved plants found 9-17-29

# 886


# 7

9-15-29 Lobelia Kalminii. G 769, BVB III 308
Same locuses 8-19, 8-28, 9-5-29

9-17-29 Betula pumila L. G 336, BVB III 611 Fr. Top of hill up mt. behind Tompkins just above timber line. Twigs softly pubescent v. low. Sometimes definitely 20 in both sides.

9-17-29 Vaccinium uliginosum L. G 640 BVB IV 699 Fr. Near above. Lvs entire, dull bluish green (perhaps bluish Fionae)

# 114

9-17-29 Matricaria anaeolea Buchenau G 847 = M. matricarioides Porta. BVB III 531
Tompkins. Path from Hotel to River.

Tompkins, Hotel Cult. Corolla 15 mm. from top
2 pedicel to 1st 3 inner petals & separating al-
most exactly midway. (By any other meas-
urement above the middle) Corolla narrows
at top but with no definite neck. (this
like ill J.D. Eximia 285 148 in this respect
Corola) inner petals scarcely surpassing
the spreading tips) the outer petals (not
nearly as much as in ill J.D. Eximia (3181)

9-19-39 Vicia Faba L. B.M. J.C.P. Fl. Cult. at Hotel
Tompkins. Same as seen in Bermuda earlier
in 1929. Blotch on each lateral petal black
rather than purple.