

June 29, 1904
On the "Admiral," Baie des Chaleurs.

I left Boston Sunday night, the 26th on the 7 o'clock to St John, arriving there at 10.40 ^{Monday} where I was met by G. H. Hay with whom I explored the ballast lands & wharves before lunch. *Matricaria discoidea* & *modica* abundant, also *Diplotaxis muralis* &c, & three pad-forms of *Capsella*. Lunched at the Hay's, meeting Mrs. H's, niece, Miss Hunt from Canada. After lunch Mr. J. Brittain called & joined Mr. H. and me in a walk about the St John park-system. Northern plants as expected. In a bog *Galium labradoricum*, *Rhamnus*, *Linum*, *Carex Godenowii*, *Triglochin maritima*, &c.

Took 7 P.m. night train "Maritime Express" to Matapedia, but discovered five minutes before leaving that no dining car until breakfast & no buffet. So quick lunch of 1 sandwich & an orange for dinner. To bed at 8.30, started out at Matapedia at 3.15 a.m. with 4 1/4 hours to wait and a clear morning light, devoted myself to following all roots to safe distances from the Station. Regular French Canadian small village with cluttered nasty streets & broken sidewalks. Best botanizing of the morning a half mile down the Restigouche. There in thickets with the everywhere abundant *Anem. Can. & riparia* & *Sium macrophyllum* a large colony of *Osmorhiza confertifolia* & a small patch of *O. divaricata* & *Liab. hirsuta* on R.R. gravel. On ledges *Astragalus alpinus*, *Oxytropis campyloc.*, *Johannensis*, *Hedysarum*, *Anemone multifida*, *Senecio Balsamitae*, &c. abundant. *Viola* (glabrous plant of the St. John & Grand Fork) abundant in gravel, in flower (clear violet) next the water in fruit with blue.

capoules on the talus & slopes above. There
mingled with Paspalum americana, etc. One plant
of Poa alpina in a wet crevice, with Trisetum
& Carex capillaris, var. elongata.

Train of Atlantic & L. Sup Ry of course late (15 min)
in starting. Same fat French-Scotch Condr, with
black monstache & ruddy face. Same caboose car,
on the up-grade just beyond Esplanade station
the engine broke down - literally one of the pipes
broke off - and caused so nothing, so our sled
down the slope as far as gravity would take us
and waited while the conductor walked back $1\frac{1}{2}$ mi.
to Oak Bay station, to telegraph (no telegraph at
Esplanade sta.) The west-bound train at noon
brought the General Manager, Seales, on his way to Campbellton,
& the assurance that the other (3^d engine) of the road would
be there shortly, the fourth engine being in repair shop -
all day we waited by the disabled train, and at 4 I
went with a Montreal drummer, Percival, and a
St. Godfroid, Bonaventure, merchant, Le Gallien, a
man of Jersey origin, who had never before left the
region of Paspébiac & was now returning from
a rendezvous two days in Montreal & Quebec. We found
a farm, Brown's, where we were cordially taken in to
bread & milk. During the wait I explored a big
salt marsh which was covered in distinctly colored
patches with Barley maritima, C. norvegica, C.
glauca, Scirpus rufus, & Juncus balticus, with

Snada & Glampoc. miniature. Its border has
Carex aurea & Galium labradoricum & a thicket
with Rosa lucida unbudded, Prunus virgin & Vib.
Opulus in flower -

An expedition to Esquimaux R. for water shows
Viola of Aroostook & Restioides abund. here - The 3^d-
engine of the road arrived at 7 p.m. - 9 hours after
the breakdown - she herself having given out near
Caledon & having to lie by for repair. Supper
at 8.30 at Giroux's, decent food, good cedar swamps
near & Paradise mt. within reach - At the
RR. water tank in Caledon under the big cliffs, the
sandstone - conglomerate covered with Thuja, Shepherdia
& Artemisia sp. - (young). Ar. New Carlisle soon

after 1 A.M. too late to spend the afternoon in the
billon search I had planned. Part up at Menard's.
Tolerable. Menard fancies & anxious to please, but here
as everywhere else in S.P.C. too much gin.

This morning called at Caldwell's - C. sober! Lawrence
as usual. L. thinks he may be a brother-in-law of E.F.W.
for L's sister-in-law "out in these parts" has written that
she is going to marry a man named W. who has \$10,000
in the bank!

Menard was to get me to the boat at Paspébiac, as
she has not touched at N.C. since she smashed herself
there against the wharf. So my trunk taken care of
P. The method is to guess whether the Admiral will
touch at N.C. or P. Maybe she will, maybe she
won't. This time she stopped at N.C. & we drove back.

met at boat by Cyrille Leroi, Guardian of
the Grand River. Cyr. a gentlemanly Indian.
Too late to go up river tonight, so Cyrille
leaves me at the comfortable home of John
Carberry.

June 30 -

After breakfast find a pubescent small
form of *Ranunculus* about - everywhere in grassland.
Mrs. C. directs my attention to a small cedar swamp
where "orchids" (*Sanacenia*) grow. Great *Urtica* in
Ordinary Cedar Swamp things, & among them *Scirpus*
caespitosus, many good willows, *S. candida*
here, ~~seeming to pass to~~ ^{near life} *S. glauca* splendidly fruited,
S. Chamae-Anglicae, low sprawling shrub with glossy
foliage, but as at N.C. in 1902 no fruit. *S. myrtifolia*
&c.

The *Viola* of Marshall swamps
abundant & beautifully flowered, clearly a bog
state of river-bank plant. In the mossy banks
under *Empetrum* & *Ledum* *Rubus arcticus* in
beautiful flower - flowers rosy pink, the leaves
lustrous, firm & slightly glutinous. Some plants
with habit of *R. triflorus* & seeming to pass into it.

Cyrille came at 9 & with his son John took
me up river. Splendid cliffs almost the length
of the river, with occasional alluvial or
gravelly flats. The common trees -

White Spruce, Arbor Vitae, Fir, Balsam Poplar,
Populus amur. & Sitchense both flowering, and
low growth of Alnus ^{mollis} ~~europ.~~ americana. Laburnum
Opulus & pauciflorum. Prunus birg. & Corylus hast.
On the beach below Cyrille's Salix glaucophylla,
pellita, cordata, mackenziana? & a large erect
shrubby species (10 ft.) possibly S. argyrocarpa -
We meet Messrs. Cabot & Richards fishing at the
Grand Coupe. Mr. C. a tall wiry man of 70+,
cordial & hospitable. At the Grand Coupe the
beach covered with various strange willows -
the common grass Poa alpina, the common Carex,
C. concinna on rocks or in alluvium or on knolls,
like Maine C. deflexa, C. capillaris everywhere.
Two Antennarias abound one resembling petaloides,
the other apparently the Mattawamkeag R dwarf.
Viola conspersa in alluvium with Poa albosides
Equisetum pratense, Polygala pauciflora (infl.)
Petasites (3-4 ft.) Viola scabriscula, & Hornem.
obovata! Senecio Balsamitae very variable,
perhaps two species. Carex echinacea everywhere
& Anemone parv. in fruit on all rocks &
lumps gravel. Epilobium Hornemayni on the
beach near the cove, & some small patches of

Dryas Drummondii, *Veronica serpy.* &
var. borealis both frequent. *Ranunc.*
repens in recently disturbed places,
obviously introd. Reach Mt. Cabot

camp at the junction of the two main
branches at 6 & I am given a whole dog
camp, well equipped, to myself - Beautiful
place, with dipping ^{slate} cliffs opposite.

July 1.

Up river in Gaspé Co. as far as Round
Rock post in Tracadie township - 14 mi
from mouth. Ledges, cliffs & gravel
covered with many handsome species -
Oxytropis campestris, var. *johannensis*,
occasionally dwarfed in stony banks &
with capitate clusters. *Hedysarum*, *Primula*
montanica, *Anem. parviflora*, the fls.
with with lavender to blue tinge outside at base.
Pinguicula very beautiful
Taraxacum alpinum abundant, bright
clear yellow. *Arnica* ^{alb.} handsome, just
coming out on the shelves. *Thalictrum*
alpinum forms almost continuous
dark fleshy green carpets, wherever moisture
& shade. Stamens deep orange brown -

Shepherdia looks silvery green at distance.
Arctostaphylos u-u local. More than
willows. Sisyrinchium splendid,
the very pale glaucous wings & leaves
serrulate. Cypripedium spectabile
by thousands in gravelly or sandy
alluvium! with Senecio aureus, Populeira
& the new Comandra which is flowering
spontaneously this year. Crataegus
Fernaldii abundant in fine flower.
Cypripedium pubescens & paviflorum
& Valeriana sylv. abound everywhere
in rock crevices! Cold shaded cliffs
at Round Rock covered with Cystopteris frag.
Pellaea gracilis & a few plants of
Hoodia sp. (^{Montana} Gutierrezia or oleophorum). W.
Illecebre. Aralis lucida & Draba
arabizans on sunny cliffs & talus.
(over)

July 2.

Hot & muggy. Down river to Grand Coulee.
Salmon laggy, won't rise, though
hundreds of them in river. Wet cliffs

carpeted in spots with

since July 1 -

Most favorably beached & isolated
carpeted for acres with Dryas
Diamondi - clear yellow half-
nodding fls -

The Anemones perplexing - fine
typical A. riparia, & perfectly
good A. multifida with red or
white fls. Large plants 2 ft.
high like riparia but leaves of
multifida - Others similar but
fls. red. the most splendid species
of the genus - if new, A. Richardiana.

from above -

Selaginella spinosa, always in
moss. Deep cold cleft above
Grand Coup has Asplenium viride
& Noodia glabella.

Heavy rain during night July 3 -
Sunday, no fishing. After breakfast,

Mrs. C. R. & I made up the big
brook (West branch) for a mile.
Cliffs of west bank very high & steep,
nearly all overhung by humus & mossy
tufts in which fine tufts of
Horridia glabella - At 3 P.M.

Mr. J. X. Lavoie of Percé, Commissioner
of Gaspé Co arrives for business with
Mr. C. At 6 Cyrell takes him & me
down to Mr. Carberry. Mr. Lavoie
recommends me to put up while at
Percé at the house of Abram
Lefebvre. John Scott of

Paspébiac, spending the night at
Carberry is jolly Scotchman & recommends
his house as having no ^{vermin}, He is
also ready to drive us about country
when we reach his district.

July 4
By the Admiral to Dalhousie

July 5.

To Rivière du Loup & Fort Kent -

The following were in flower on Grand River
the 1st week of July -

<i>Clematis verticillaris</i>	<i>Polygala paucifolia</i>
<i>Anemone paviflora</i>	<i>Trifolium repens</i>
" <i>multifida</i>	<i>Oxytropis camp. Johannensis</i>
" <i>Richardsiana</i>	<i>Hedysarum boreale</i> (barely)
" <i>riparia</i>	<i>Prunus pennsylv. (passing)</i>
" <i>canadensis</i>	<i>Pr. virginiana</i>
<i>Thalictrum polygamum</i>	<i>Rubus arcticus</i>
" <i>alpinum</i>	" <i>triflorus</i>
<i>Ranunculus cymbalaria</i>	" <i>strigosus</i>
" <i>abortivus</i>	<i>Dryas Drummondii</i>
" <i>repens</i>	<i>Geum rivale</i>
" <i>sept.</i>	<i>Fragaria virgin.</i>
" <i>acris</i>	" <i>canadensis</i>
<i>Caltha pal.</i>	" <i>americana</i>
<i>Actaea rubra</i>	<i>Potentilla fruticosa</i> (barely)
<i>Sarracenia</i>	" <i>anserina</i>
<i>Caulanthus pinn.</i>	<i>Pyrus americana</i>
<i>Arabis hirsuta</i>	" <i>sitchensis</i>
<i>Draba arabisans.</i>	<i>Crataegus Fordii</i> (passing)
<i>Viola Caboti</i>	<i>Amelanchier rotundifolia</i>
" <i>blanda</i>	" <i>oligocarpa</i> (passing)
" <i>venifolia</i>	" — (passing)
" <i>conspersa</i>	<i>Mitella nuda</i>
" <i>scabrinuscula</i>	<i>Ribes laurustinum</i>
<i>Stellaria borealis</i>	
<i>Oxalis acetosella</i> (barely)	
<i>Acer spicatum</i>	

Epilobium alpinum fontanum
Hebeclum (barely)
Carum Carui
Sanicula marylandica
Comorhiza obtusa
Aralia nudicaulis
Cornus canadensis
 " *stolonifera*
Sambucus racemosa (passing)
Viburnum Opulus
 " *pauciflorum* (passing)
Linnaea
Lonicera americana (passing)
Diervilla
Galium Labradoricum
 " *palustre* (barely)
Vaccaria sylvatica
Erigeron hyssopifolius
 " *philadelphicus* (barely)
Antennaria
 "
Achillea millefolium
Chrysanth. Leuc.
 " " *subpinus*
Senecio aureus
 " *Bals-*
Arnica
Tarax. alpinum
 " *officinale*
 " " *balustre*

Vaccinium Canadense
 " *Oxycoctus*
Epigaea repens (just past)
Andromeda glaucophylla
Ledum groenlandicum
Moneses (hardly)
Pyrola asarifolia ")
Tridentaria
Primula mistassinica
Fragaria nigra (passing)
Syringa vulgaris
Mentha
Myosotis sylvatica
Veronica americana
 " *serpyllifolia*
 " " *borealis*
Castilleja pallida
Aptenanthus
Pinguicula
Polygonum viviparum
Cornus florida
 " *Richardsoniana*
Alnus crispa (passing)
Empetrum (passing)
Corallorhiza innata
Listera cordata
Hab. hyp-

Cyrtis pubesc

" *pauc.*

" *spect.*

Dis versic

Sisyrinchium-

Sonchacina stell

Maianthemum

Strept roscus

" *amplex*

Clintonia -

Taficodia glut

Trollium cernuum

Triglochin palustr

" *ment*

Eleocharis tenuis

Scirpus caesp (fr)

" *rubr (boul)*

Eriophorum alp (fr)

" *vagin (fr)*

" *palust (fr)*

Carex atrata

" *lentic*

" *magell*

" *aquat (fr)*

" *lunosa (fr)*

" *acutata (fr)*

" *flava*

C. capreolus

livida (fr)

aurea (fr)

Eburnea

pedunculata (fr)

Conarima (fr)

scirpordea

polytrichodes (fr)

Asnella -

Gynocates

Exilis

stellulata

interior

tractuscula

Deweyana (fr)

Hierochloa boreal-

Avena stricta

Trisetum

Poa alpina

" *alsodes*

July 5-10 Fort Kent with Joss-
Bat. Doey.

July 11 Start with Collins for the
St Lawrence - Miss Shaw & Miss Brooks
on train bound for the Saguenay - Teniscouata
mixed train. First half of trip the 2nd
class end of car filled by drunken river-
drivers. Dined at Hotel d'ame au Lac -
Ar. at R. au L. in shambles - St. Lawr.
densely foggy - Ladies decide to wait over
for bright weather. Get good rooms at the
Bellevue. Short walk after supper -
Geranium avense in fine fl.

July 12 Drive in morning to the big marsh
betw. R. au L. & Cacama - *Piprola minor*
just passing from bloom - *P. asarifolia*
in woods mostly white, with faintest tinge of pink.
In grass by roadside a large *Campanula*
abundant. Fls. clustered resembling *Gentiana*
Androsmon. Big marsh in fine order -

Pedicularis palustris, etc. - solon acres.
With it in spots *Stellaria humifusa* & *S.*
Crassifolia. *Microst. monoph.* abundant.
also *Thymus rufus*, small *Rare Gooden*
etc. Iris Hook in fl. & fr on gravel & rocks

In P.M. All walk along shore back of
Bellevue. Thal. confine in fl. *Zygadenus*
hairy in fl. *Montia* local. *Poa*
glumalis in fine shape - *Cornus suecica*
abund. on creeks but mostly past. A
few fls - *Thym. drac.* abund here as
elsewhere in region.

C. & I follow Temisc. freight track
toward Town. *Asperula divaricata* &
Poa glauca abund. *Arabis Drum.* comest in
good fruit. *Microstylis monoph.* in almost
every damp spot.

Fog continues

July 13 - C. Mrs B - I drive to F.

Fraser Falls - *Lithosp. offic.* common abt.
Town. On rocks below falls
small *Hieracium vulgatum*. *Cyp. spect.*
infr. By falls - *Aspid.* *Saxif.* scarce.
Saxif. aizoon in fl. but local. *Poa alpina*
&c -

P.M. clear. To Chicoutimi with the
Ladies. Splendid evening, but turn in an
hour above Tadoussac.

Jul. 14. Stunning day down Saguenay

Land at St. Alphonse, Anticosti Bay. No interesting plants.

During noon walk at Tadoussac
- *Bomarea* of *nanus* R. found in sand near
the hotel. fls white or crimson tinged. Young fr.
Arabis brachycarpa & *Carex Houghtonii* abundant
in Cemetery. *Juniperus Sabina* & *Pinus Banks*
on dunes -

Return to R. Dr. L.
Ladies go on to Que. In evening C & I
walk to Fausville for shopping -

Jul 15 To Bic. Heat town. Fair
hotel kept by Michel Pinard. Simple
but good fare. Clean - accommodating.

C & I get use of large sample room for
our work. Take short walk before supper
to small headland by wharf - *Chephesia* the
predominant shrub, with *Juniperus Sabina* second -
Agropyrum tenerum - etc.

After supper walk back of town. Rich springy
woods. *Siniperca acus* on ledge -

Jul. 16 With comfortable buckboard & Chas
Woodrow as driver explore for of the "Caps"
First to the 18th island east of wharf,

Crossing at low tide, This a cliff
headland with big cave in the conglomerate
sandstone & flinty rock. *Agrilecia* can,
abund. *Draba incana* everywhere dead ripe
Hedysarum either pink or cream-white.
Fragaria amer. everywhere with 1 or 2 above or
glucose fr. *Saxifraga virg. fr.* *Potentilla*
altalis tall & fern in shade. *Antennaria*
can hardly in fl. - *Primula farinosa* abund
in fruit, a few in fl. in cold caves -
Zygadenus barely in fl. - *Microstylis*
mon. abund, everywhere in crevices near sea.
Poa glauca very variable in size, color, etc.
some beautiful violet blue & whitish.

On Island beyond 1st much the same veget.

Return to mainland & drive around to L'Anse
à Michaud. Then cross to island east of Mich.
Baptiste Michaud's. Rock a fine conglomerate
sandstone. *Saxifraga aizoon* everywhere.
Symphoricarpos pauciflorus on dry slopes,
& a pale crisp *Noodia* ^(orelana) abund, in exposed
crevices. *Viola ^{gregaria} labradorica* abund in
sunny places. *Thalictrum* confine one
clump on shore - Tide forces us to return

to mainland. To explore mt. west of
Michaud's. Steep slaty & limy rock,
with big cliff above, 500 ft. by C's
aneroid. Ordinary fl - of arbo. vitae
& spruce woods. Cliff covered with
Aspid. fragrans, which becomes so abund.
we walk on it. Here test our glacia
rope & find it a splendid means to explore
cliffs & loose talus. By means of it
find Saxifraga caesp., & spend much of
afternoon exploring from above for the scattered
tufts. Lycopod Selago scattered.

On summit Lycopod. complanatum (typical)
finely finet. Cornus circinata com-
Plus typhina fl at 2 ft. Habenaria Hook
abund. Arabis brachycarpa, Astragalus
& Carex Backii abund on crest & so. slope.

July 17. Drive to big exposed
Cap west of yesterday's lost. Perhaps
1 mi. west. beyond Cultwater fields.

at West base of yesterday's low first
Senecio discoidens? among firs. In
low woods *Trilium* *effusum*. In
Clearing *Leucophysalis* beautiful, fls.
White with bright yellow eye -
Gentiana Amarella in fl. in dry fields
Go with rope up cliff at head of cove -
Aspid. *papans* very abund. Soon find
Asplen. viride.
Woodsia glabella in damp pockets of slaty
rock. But while collecting it I break open a
Yellow-jackets nest. Escape gradually with
C's aid & the rope with 7 stings - *Saxifraga*
caesp here as yesterday scattered.

On crest *Lycopod* compl, abund. The rich
mosses of crest carpeted by leaves of *Aster* *macro-*
don, *velutinus* & among these *Hab. Nutt* &
Gordonia menziesii in bud abund. We soon
cease hesitating to tramp on them!

Down by rope at edge of the great cliff - of
harder rock - about 600 ft. Beneath the
overhang in a cave at the top *Symphoricarpos*
pauc, abund. In damp ravine *Woodsia*
hypoleuca & a little of the other of yesterday
Pellaea gracilis here as elsewhere.

Swing by means of rope to crevices of giant
cliff. Difficult work but Potentilla nivalis
Festuca brevifolia, Draba arctica, &
a small Salamagostis reveals us -
Carex elurua in one spot - Anem. multij.
scattered but rarely fruiting on cliff.

At base of cliff Poa prat. almost very large.
Stellaria borealis very large & stiff, full of fl. & fr.

Jul. 18 To Cap north of Baptiste Richards
much like yesterday - but cooler & damper.
Saxif., Aizoides & Caest here in fl. Pyrola
asarifolia very crimson - Aquilegia in fl -
Butyrchium simplex in damp crevice - Pellaea
frankii large - & a spring Cystopter. fr.
measured $16\frac{1}{2}$ in. tall! Poa alp. - fresh in fl -
Arabis hirsuta, Osmorhiza obtusa abund.
In moss on cliff scattered flowering Cerast.
alpinum - var. Beeringianum -

Return at low water to 3^d Cap of

Jul 16 - East of Richards, Zygadenus now
in fine fl. Rocks carpeted with Saxif.

Caesp - one mat 3 ft. solid.

Crast. alp. ^{Bernif.} abund in fruit on hot

Exposed rock. One ledge covered

with Analis (^{Collinsonii} Halboellii). Damp grassy

hollow has Botrychium Lunaria.

Draha nobisana, Madia -

Symphoricarpos, & Analis brachycarpa

all com. Carex Backii on dry slope -

Take 12.42 train to Matapora -

July 19 - 2.45 am, arrive at Matapora.

Trunk containing presses & food missing.

Follow Restigouche for mile down river.

Breakfast on rocks. In addition to

plants of June 28 Astagalus elegans in fine

fr. at wooded crest of ledge - Arenum

Richardsonia abund, with sepals just dropped
& young fruit. a multiferous dead-ripe & fruit
flying. a riparia mature but not flying.

Sarcis Bala - with & without rays -

Corapae white & red-fruited Actaea rubra &

Can detect no other diff.

By A. & F. S. to Houville station. Put up
at Custom House. run by ———— Allard

Trunks in general store, wherever an empty
corner. — This P.O. St Jean l'Évangélist.
Houville P.O. 4 miles up river at R.R. sta.
Houville West!

P.M. drive up river to end of settlements.
Valley hot + fertile, good crops — Few northern
plants, Sandy alluvium full of *Osmorhiza*
brevistylis, *Delphinium*, *Scutellaria* *diff.* — *Viola* *scabra*,
ren. — & *Self.*, *Carex rostrata*, *Galium*
claytonii & *aspidium*, *Elms*, Sugar Maples —
& Balsam Poplars ^{predominant trees},

After supper to bag back of house —
on its edge *Pyrola rotundifolia* with large
greenish white fragrant fl. — *Gaultheria*!

Bag to be explored later.

July 20. A.M. to bag which with exception
of *Comandra livida* might be in Mass. —
Gaultheria, *Pyrola* *rot.*, *Picea* *nigra*, *Larix*
ledum, *Andromeda*, *Kalmia*, &c. Then up
rocky slope covered with *Betula* *pap.* — &

Rhus typhina. Two spec. *Botrychium*
simplex in crevice. Scattered *Botry.*
tenatum interned. Then through spruce
wood - *Lycopodium compl. tristachyon*
salinaefol., *sitchense*, etc.

T.M. down river to Bacachon vt
Houellet. In alluvium of river
Clematis var. *Ranunc. recurv.* *Acer rubr.*
Impatiens agrost. *Bidens frond.* *Prenanth*
rac. *Trillium rectum* & *cern.* *Carex*
intumescens & *communis* —

On Bacachon ordinary salt marsh
things.

July 4. To Culleton, Excellent
accommodation at Cullen's Hotel with the
wharf of an empty store for our work.

R.M. along beach to point opp. Light-
house. Cattle on beach - abundant
Medicago lup. & *Echinoch.* *Lup.*
Stellaria longipes lacta everywhere in
gravel. *Botrychium Lunaria* scattered,
Gilia linearis in small patches.

July 29. A.M. Short walk to salt-marsh &c near town. Parnassia pauciflora in damp fields with Scirpus pauciflorus. Marsh ordinary. Hypochaeris abundant on gravel banks about town, also Artemisia abrotanum. Collect various common things.

P.M. To Tracadigash Point. Far better than Carleton Pt. Arenaria verna, Steel, Conjuncta, Arabis hirsuta & A. brachycarpa abund. in sand & gravel. Batrachium Lunaria very abundant amongst Juniperus Sabina procumbens. A small fringed Viola of the Carina group abund. Agropyrum tenerum, Carex eburnea & a slender perennial-stemmed Equisetum scattered.

Jul. 23. Down RR track. Sodium acutarium in roadbed. By brook near mill Juncus acp. & var. insignis. Lilia abund on gravelly bank. Peace dr. at 10.15.

P.M. Up the small hill south of Tracadigash Mt. Papaver Rhoeas & Centaurea Cyanus & C. Scabiosa in grain fields. Hardest rock possible to climb gritty clay-rock, sharp edges & no elasticity. Tough digging. Gordyana Menziesii local. ⁶⁰ G - — somewhat like Tess. The flowers creamy with bronze tips & fragrance of Spilanthes cernua just beginning to flower. Osmorhiza abund.

Festuca — Common in woods at Summit
(850 ft).

July 24. To Tracadigash Mts. Gilia on
gravel (red sandstone conglomerate). Stop
in edge of large Cedar Swamp — Orchis
retundifolia fruiting abundantly. All the young
rootstocks develop under the leaf, i.e.
point in same direction. Epilobium palustre
& aliquanthum. Listracardata. Hab., oletrata,
Smooth Kalnia, Carex gynocrates etc. An
Siaphorion near polytachyon but very
slender small & few-flowered.

Through burn now covered with
raspberries. Fine feast. Then up stiff rocky
slope through white birch forest. Caribou
trails & droppings everywhere. Occasional
bear signs. Slope a dense tangle of
Clematis verticillaris in splendid fruit.
Stiff hard hot turf over loose sharp clay-
rock. Carex Backii abund. from 1100
ft to Summit, which Collins' Aneroid
(corrected) makes 1930 ft. Cliffs under
the Summit — cross 150 — 300 ft high, with
long dry talus slope below. — Please 89

work in one direction, C in other. At first
sight barren - except for carpet of Saxifraga hypnoides,
Draba vicana & arabizans - various Poas & Patent, trid.
At east base of cliffs Aspidium Louchei abund.
Pellaea gracilis abund. also Aspid. fragrans.
Slender Calamagrostis (whitii) on most
exposed places. Rises resembling oxyacanthoides
~~facta~~ but with soft-downy leaves & spirical
spines, abund though mostly sterile. Patritilla
livoralis & Rosa blanda on cliffs way to summit.
Echinoppermum deflexum in thickets on shelves -
On chimney between recently burned cliffs & that
below the cross Echinop. ~~perenne~~ abund, Asplenium viride
in cold crevices - Lycopodium delat. fr.
Carex pratensis on slide. & in a crevice P. finds
sterile plants perhaps of Silbaledia procumbens?
July 25. To ^{Dalhousie} ~~St. John~~ & Cash Am. Ex. Checks which
are not recognized in Gaspé!

Aug 19. First spare minute to state that time
has been too crowded for a journal
writing, as usual, for the train.



Fernald, Merritt Lyndon. 1904. "[Diary of trip to Canada, June 29-Aug. 19, 1904.]" *Diary of trip to Canada, 1904 June 29-August 19 and Plants of Alpine and Subalpine Regions, Mt. Albert, 1905-1906, 1904-1906*

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