

GGK
②

HOOPER, LEWIS & CO.
STATIONERS
& Blank Book
Manufacturers
47 & MILK STREET
BOSTON.

*This book can be dispensed
by sending the Number and
address*
No 2610

White Pine Groves

Present-Day Trees and the Giants of Eld
—Were They Another Variety?.

BY WINTHROP PACKARD

A TINY brown wing brushed my cheek this morning, flitting madly southward, on the wings of the November gale. It was a belated one of many that have scattered from the pine tops this autumn, for it was the single wing of a white pine seed and the cone harvest has been good. Ever since August the squirrels have known that the stripped spindles lie by the score under the big pasture pines where these have left them after eating the seeds, it seems much work for small pay for the squirrel. He must climb venturesomely to the very tip of the slipper, then run down the trunk, then run down the tree and gnaw it to pieces for the tiny seeds within. So light are these seeds, wing and all, that it takes twenty to thirty thousand of them to weigh a pound and it is probably fortunate that squirrels do not do this by millions. However, the gnawing means as much to the squirrel as the eating, for the squirrel's teeth grow constantly and he must continually wear them off or he dies, stabbed by his own laciners which grow in the arc of a circle. Yet the squirrel is an adept at getting at the tiny seed. He will strip a cone of its scales far faster than I can, even if I use my knife. He holds the cone stem end upward in his forepaws which are so like hands, severs the base of the scale with his ivory shears and has sliced the two little seeds that cling low under the very bottom of the scale, almost before you can see him do it.

Certain wise naturalists assero us that the squirrel does not use reason in this handling of the cone, merely acting automatically. But the squirrel has been at his results in the shortest time and with the least effort. "The highest reasoning could teach him no more and if instinct is such a splendid short cut to the solution of problems it is a pity that it is not added to our common school course. The squirrel, they say, does it because he and his ancestors have done it in the same way for untold generations, the automatic impulse being born in him and bound to appear at the right moment, just as his teeth grow without his own volition. Yet there must have been a time when the tiny squirrel sat up on a limb with his first pine cone in his paws. Did he reason out the way to get those seeds or did he know instinctively? And if so what is instinct in his case?

For all the squirrels got so many cones that in some places in the woods the ground is fairly carpeted with the brown scales which they severed, prompted by this clever whatever-it is that is such an excellent substitute for wisdom, there are plenty still left on the trees where his range from the base of the trunk, their scales gaping and the seeds for the next part gone. Left to themselves they have been flying away ever since September, a few at a time on dry, windy days when their single wings would seem them farthest. One might imagine, therefore, whatever it is to the pine tree too, she works so methodically for the preservation of her species. A year ago last spring the mother pine put forth the beginnings of those pine cones that now dangle brown and empty, from the trunk and aerial twigs, a kindling for my campfire. Then they were gold-green buds of pistillate flowers, set high on the uppermost branch tips that the pollen from the tree's own staminate blooms might rise then in its flight with the wind to the very tip of the branch if by miss fertilization altogether they fall off. It is commonly said that the pines produce a crop of cones once in five or seven years, which is true in part, just as the stationer that every seventh year at sea is larger than any of its preceding six is occasionally borne out by the facts. I do not recall years in which the pines have failed to put forth both staminate and pistillate blossoms. Sometimes frost gets the tree before it can produce, sometimes a long rain will prevent the pollen from being disseminated by the wind until its time is passed and again there is a failure in cones. Only once in a while is the season perfectly favorable, and then we get that rarest of years, in which the seeds of the squirrels rejoice that they can file their teeth and fill their cheek pouches at the same time. The years when there are no cones at all sending forth their seeds in September are few indeed. This year the harvest in my neighborhood has been an excellent one.

The fertilized bloom soon ceases to be a little Christmas candle on the tree-top, closes its tiny scales over its growing seeds and becomes a little brown cone, still sitting upright on the upper branch tip where it grew. By autumn it is an inch and a half long, the short peduncle which attaches it to the branch has lengthened and thickened, but is not able to hold it wholly erect, so much has it gained in weight. At that season the young cone and its fellows have upper and lower longitudinal or even becoming slightly pendulous. Thus it remains through the winter, its scales pressed close to its core and to one another, defending the tender seeds from all cold and making a seemingly solid trunk of the whole, to attack these

young cones, but rarely, and I am not sure whether it was because of the pressure of hunger or whether some young squirrel's instinct to sharpen his teeth on them made him a bit precocious. The wretched cones begin growing again very early in the spring of the year will have its way, and in this case it seems to seize on the first sap that gets as far as the topmost branch tips, compelling it to the nourishing of the young leaves or even of the making of staminate and pistillate blossoms for the ensuing summer. The cones add a quarter of an inch to their length before the blossoms of that year appear, and their weight sags them still more on the stem, making them distinctly pendulous. By the last of August these greedy feeders have not only ripened the seeds within the still close-pressed scales, but have multiplied their own length by four, being four to six inches long and hanging stiffly nearly straight down by their weight.

Their work is done then. Fifty or more scales has each cone, a hundred or more seeds, if the fertilization has been perfect are ripe and ready to knock down the other pine trees. In early September the cones begin to fall from these ripe cones, the scales lose their green plumpness and begin to dry and curl back toward the base of the cone. This gives the seed eating birds, the skinks, the pine grosbeaks and especially the crossbills the best opportunity and they eagerly nudge out seeds as the narrow openings will give them a chance at. Between these and the squirrels the pine forests of the future are decimated before their seeds are planted. Nature provides all her favorites, yet far more heartily in some instances than in others. A thousand young birches spring from seed, to one pine in a Massachusetts woods and no wonder. Each birch tree ripens a thousand seeds to one that comes to maturity in the great cones of the pine. Yet there are compensations for the pine tree. Barring axes and accidents it may live a hundred century and yearly give more and more comfort and inspiration to mankind as it increases in dignity and beauty. The birch may give comfort and inspiration too through its grace and beauty, but it is lucky if it lasts out a mere few years.

It is often a surprise to me to see how a seed will fly with but one wing. The air currents set it spinning the moment it leaves its parent tree making of it at once a tiny gyroscope with a single blade or propeller. Its gyroscopic quality tends to hold the wing at an angle which always to lift its weight and counter with a downward current it falls with a less velocity than the wind which whirls it. In a level breeze it often holds its own, while in the upward slanting wind it is carried which flow so often along and away from the center of the propeller rises again. The stronger the wind the more the faster whirl of that tiny propeller tends to keep it in air and with a good September gale thrashing seed out of its cones a pine tree may be planting a forest as fast as he can. The seed that brushed my cheek this morning made no such effort. Caught in a back eddy it whirled round a sunny glade for a moment, then in a sudden lull spun directly downward to the grass. There came a breeze favored it. The first gust spear stopped its spin and it divided plummet-like out of sight, the tiny propeller becoming a tail that kept it head downward while it slipped most easily to the forest floor. There I found such a world on a leaf. On every movement, every pressure, every carrying it down out of sight of all seed eating creatures where it might rest and ripen till spring when it would be ready to germinate.

Seeing the pine grove and the scrubby country that outlies it from all stages of pine growth, from the gnarled patriarch four feet in diameter at the butt to the germinating seedling, the patriarch is nearly a hundred feet tall and I know exactly the pinning of his height. I have found none of quite his diameter, and I am very sure none of his age, hereabouts. His age I can not guess, yet I know that fifty years ago he had more wood in him, for his lower limbs that then were green and flourishing and six to eight inches in diameter have since decayed and fallen away. Recently a pine was felled in Pennsylvania which was 155 feet tall and 42 inches thick at the foot 8 inches above the ground. This tree was 361 years old. I have reason to believe my patriarch is as old as that one. His height is not so great, but he has three trunks instead of one, springing from that gnarled butt at a number of feet above the ground. There are occasional trees like this one still standing in eastern Massachusetts. They have seen their children and grandchildren grow to marketable size and fall before the woodchopper's axe. They have seen one or two generations of hardwood grow between their cutting, yet they still are allowed to remain. In cutting of wood it used to be the custom of our forefathers to leave here and there a particularly gnarled and difficult pine that the seed might furnish a hard-wood grow between their cutting. Hence these occasional trees. If I am wrong, but I have an idea that my patriarch was growing right where he stands, a young and vigorous sapling, when quaint old Josselyn wrote about those two voyages to New England in

the early years of the seventeenth century.

Josselyn gives us to understand that the wood of the white pine is that mentioned in the Scriptures as gopher wood out of which Noah built the ark. Certainly if the white pine of the day was abundant in the neighborhood of Ararat in Noah's time he could have done no better. The wood is light, soft, close and straight grained. You may search the world for one more easily worked or more easily worked. Indeed, this second half-century has seen the second white pine of the world pretty nearly used up, certainly all the best of it for wood-working purposes. Fifty years ago it was the cheapest New England wood, today it is the highest-priced, and the old-time clear pine free from knots and sap-wood is almost impossible to obtain at any price. For all the forestry we can bring into play it will take more than three centuries to grow for us such trees as were common in Maine and New Hampshire in the year 1622. White pine trees were not rare in Maine six feet in diameter and 240 feet high. In 1736 near the Merrimac River above Dunstable in New Hampshire a pine was cut, straight and sound and having a diameter at the butt of five feet. Half a thousand years were not made and the second white pine was cut as a pine as that. Could a man have a few of these on his farm anywhere in New England today they would be worth more than any other crop the centuries could have raised for him.

The young pine and seedlings hide so securely in the pasture grass and under the low bushes that rarely does one notice them during the first summer's growth. By the end of that time they are singularly, to my mind, like fairy palm trees, planted in the gardens where the little white flowers are seen at night. Their single stem and the spreading whorl of leaves at the summit of it are in about the same proportion as those of a palmetto whose great leaves have been tossed and shredded by the trade winds. The young pine could not come, in the passage of centuries, on a 200-foot tree seems difficult to believe. It looks no more likely than that the "ground-pine" which is taller than the seedling and fully as sturdy should some day be 200 feet tall. Yet the ground-pine may grow from its growing stock for a thousand years in the shade or one grove and never be over a root tall. Thus easily may we be deceived by small beginnings. No palm ever rivalled a full-grown pine in height and girth, yet a pine of two or three centuries in diameter in diameter of trunk and with an abundant a leafage as it will ever have.

Watching seedling pines grow year by year it is difficult to see how the great, clean, furked, old-time pines that towered over the woods and were cut from four to six feet in diameter came about. The tree growing pasture pine makes a round headed shrub, for the first ten years or so of its life, with abundant long limbs, and is clad in profuse foliage to the bottom. Even as decades pass its limbs fall and its foliage and though there is abundant wood in the half century old pasture pine it is of little use for lumber, for the limbs young and old, have filled its trunk with knots. Where our present day trees have seeded in this way, the only room of considerable space it is difficult to see the trees grow old they grow taller, even struggling to outdo its neighbors and get more light and air. Lower limbs decay in time and in the progress of forty or fifty years get a second "second growth" pine which is of little use for a height of forty or fifty feet. One tree grows another half century it you

know many groves that have had that and a hundred years, though fairly bare, show the knots were the same have been and produce anything but clear lumber. It may be that by giving these century-old groves another century or two we should have something like the same. It is holes that our great grandfathers got out of the pine groves, but I am not so sure about it. See the promise of it in the conditions under which pines grow today. Even my patriarch, though he has, I am very sure, sufficient years to his credit would cut up into only a medium quality of box boards; there is no clear lumber in him.

To produce the wonder trees of the early half of the nineteenth century the tiny seeds must have rooted plentifully in rich soil, the trees must have grown so close together as to steadily and persistently crowd out the weaker and shorter, and in the passing of two, three or four centuries we had remaining the magnificent specimens. Leaving two hundred or more feet in diameter, the trunks without limb or knot for more than half that distance. Such conditions may account for these enormous trees, yet I am inclined to think that they do not. I am inclined to the belief that in these giant pines we had a variety of *Pinus strobus* which was very closely allied to our smaller trees, but which was not the same, just as the *Sequoia gigantea* of the higher Sierras is a gigantic variety of redwood, closely allied to but not the same as the *Sequoia* of the lower levels. That would easily explain why our pines, which we call "second growth," show little tendency to become such majestic or so long lived trees as the giants of a century and more ago. It is probable that in the remotest corner of our forests, it is a pity, too, for it is probable that in destroying the last one we destroyed a variety of pine that was far nobler than any left.

10

Mrs. L. Brück
Care Mrs. Francis Shippen
Landing
New Jersey

13 July, 1904

Massapog Pond Sept 2 1904

Club Trip to Brimfield ~~TC~~
May 21. 1902

8074. I recently visited the old white oak on the south side of Ponkapog Pond. My measurement made it 15 feet 10 inches in diameter about five feet from the ground. The oak was in a healthy condition but sadly in need of attention particularly in clearing away the undergrowth that is choking it. From its wide spread and low height I should judge it originally grew in a clearing and not in the forest, and as it must be six or eight hundred years old its early history would be interesting. Can any of your readers tell me if it has any history? It should be given attention, and preserved for its size if for no other reason. 7 Aug 1909. E. R. J.

1900

Katabodu Trip.

July 4.

J.R. Churchill & I left Boston 9.45 PM Monday evening July 2^d & arr Bangor at 5; left at 6 in same sleeping car & arr Milo Junction at 7.35; changed cars and arr Staceyville at 9.35. Mr. ^{W.B.}~~W.S.~~ Rogers met us with Tote wagon, seats on springs, and a plat-form deck for baggage: a second Tote team took our Trunks as we rode with Mrs Rogers & their 5 year old girl Ruth: at a mile and half from Depot we unhitched horses, & had dinner in ~~paper~~ ^{paper} shop, hot steak & tea & various cakes & a potato salad: we were by the ruins of an old saw mill on a pretty stream: from this point our Churchill & I walked the 7 miles in to the Ferry or Lemmons house on the ~~West~~ ^{East} Branch of the Penobscot or Matagamou River as some call it. The walk was a beautiful one, woods all the way, hard wood ridges, & we noticed only one small patch of Spruce wood not more than 100 rods, on the whole road: tho so fine a road to walk it was a rough one for teams: the soil is clayey & the roadway is cut into it with side walls of a foot or more in height, these make a channel

Wide Appalachia
Vol II. p. 42

Mt Katabodu
Lat. 45° 53' 40" Long 68° 17' 51"

for the running water of which there
was plenty, but the walls are of
so stiff clay that a tolerable
foot path is often to be had on
the very edge of the little wall.
For the last two miles a gradually
increasing rain came on, but I
had my Umbrella & C. his rubber
coat. The ~~S~~ House at the Old
Hunt place we called at &
waited there till the Teams
came along: they had to come
thro' the Hunt clearing but not
very near, tho' within sight of the
windows of the House. Here were a
man & a boy keeping horses waiting
for the choppers to visit them.
The last mile is by the River bank
but I saw little fish or sea of rain.
We collected very little tho' at
the lunch place some good
Hemlock, septentrionalis and Fern
virginicum. We are in the hotel
abt 1/2 a mile from the farm house.
we sleep & live here & go to our
meals at the farm house. Last
night was cloudy & still & myriads
of fire flies gave us our Fourth of
July Celebration.

July 4.

To Basin Mt Katahdin.
 July 4th Churchill & I passed very quietly
 exploring abt near the house & enjoying the
 fine view of Mt Katahdin. In the evening
 he went out in canoe for the first time
 in his life & with Mr Rogers & his little
 girl, they all saw a moose crossing
 the mountain pass at midnight. It
 was very dark & we were
 looking down upon the
 mountain. The moose
 was very large &
 we were
 very
 interested in
 the terrible state of the road. A big
 gang of lumbermen came over so that
 Mrs Rogers had 25 men to get breakfast
 for every morning. ^{ago} that we did not get
 off quite as early as we expected however
 at 8.00 we were crossing in the Ferry Boat
 swinging by wire & in a few moments
 were plunging into the holes of the
 road, super softer than the one
 we came over from Stacyville; we
 lunched at Rockers Camp 10 miles,
 from that point on most of the road
 had been cut & burned & it was a
 scene of desolation, not until very
 near Bell Camp 11 miles further
 did much more appear to give

any way to the water's edge. We walked
the 3 miles to Six Rivers where camp
and it was wonderful that horses
could take any load over such a
road. Bill Cunniff is at the end of
the Lake Road & we camped here,
using my blankets on the floor of the
camp. Several caught a few trout
in the stream below the dam.

July 7

We arose early & started for McLeod's
camp, Mr Rogers on horseback, the
guides along side the jumper loaded
with our stuff ~~which~~ & which
were hitched to horses driven by
Peter the French Canadian; we
walked the 3 miles most of it on
a smooth grassy road by the river.
We had just reached McLeod and
were arranging for our six mile
rack up the trail into the Basin,
when the clouds broke & a thunder
shower came down, so we had a
lunch of 'fried pork' & then
as the clouds lifted a bit, Rogers &
Peter took their way home with the
horses & we started on our walk.

The rain came before we had made
two miles & we continued our tramp
through beautiful mossy woods.

out on craggy places where we saw only
mountain hay + by rocky edges of
a mountain sand where boulders were
large + sufficient to descend. - The
views were more beautiful than any
I remember. I was with the first
party + guides with Collins reached
camp at 1.40, the others came
4-30 to 60 minutes after. We
could not see where we were for
clouds + rain.

Sunday
8 July.

The rain kept us at home, but Collins
+ Arnold went around the little basin
+ up a bit towards a snow patch. We
can see three patches of snow on the
basin sides. A very heavy shower of
rain in pm gave us some beautiful
cascades on the cliffs. The men

9 July
Monday

made one journey down for stores +
Arnold Collins Arnold + Churchill went off
for all day towards the saddle. E. H. + I
feeling more sure went only to the little
pond where I got abt 3.0 envelopes +
moses + E. H. + Camp kitchen + other
things. The rain came gusty just as we
got home but the sun soon shone.
The men went again to the base + I
sent letter to Hattie. + it rained hard
in pm

10 July
Tuesday

We all started up the Pat to the Table
Land at least: first by the bed of
the Brook behind camp & when we
hit the slide follow that. Roger when
he saw the slide said it was new
to him & must have come down
within two years & almost exactly in
the track of the old trail: the rain
now began to fall heavy clouds & fog
obscured everything but we kept
on up to the base of some cliffs in
the "saddle" near the Table Land &
here the cold wind poured over in
chilly fashion. We looked & waited
but saw no evidence of change in the
day so came back home, it
rained practically all the afternoon
& no sign of clouds leaving the Pat
even when we went to bed.

11 July
Wednesday

But on waking at 4 o'clock the
summits were clearly outlined &
we decided to go up. Left camp at
6.10 & could not help wandering &
straying on the Table Land, to see
the many cherry crews & lakes &
nets Cheshunkah & Sande Armit
& Moosehead & Chamberlain
Rambow & West Branch. Wind
rather showy the foaming falls,

woods & forests everywhere. On arrival
at top we took photos & had lunch.
Then Rogers with Fernald & Collins ~~went~~
to the other Peak & by the crests to the
Chimney & old Yamok & home down
the E. slope of Parusk; while we worked
them at intervals & continued our work
& collecting on the N. W. slope: we
soon found plenty of *Larix* *stellata*
var. comosa under the large boulders
in wet places, & I found many
Sierana. mel. Elongatum &
Costarum boreale & *Pogonochilus*.
It soon began to rain, shutting out the
landscape & we headed for home
coming down the slide & the brook.
Arr about 4 o'clock & Rogers party
at 5. Rained all the evening.

12 July
Thursday

A very heavy thunder shower in the
night & a hedgehog trying to burrow
under Churchill's bed kept some of
us awake, but we had breakfast
able. Rogers, Fernald & Collins set
out for North Basin by Trail & we
staid at home to arrange & dry
our plants. The sun is shining on
the Camp now at 11 AM but the
top of the Mt is all cloud.
The rain poured down all the afternoon
& the Bakerist. to North Basin came

13 July
Friday

home at 5 o'clock & reported *Arctostaphylos*
alpina in fruit as plenty over all
the floor of the No Basin.

We all went by Spotted trail into
the North Basin & found the view
Eastward very beautiful & the
Basin entirely different from
this. It is higher altitude &
almost devoid of trees with big rocks
all over it, a little pond in the
middle of lower part of basin &
scrub spruce to go over or cut
way through. We found plenty
of *Arctostaphylos* altho the rain
came down incessantly. Fernald
& Churchill & Rogers went clear up to
the base of the ledges & slides at end
of basin where we could see a
miniature Snow Arch tho I have
no doubt it was big enough if
we had approached. There rises a
sheer cliff of say 300 ft on the N. side
of basin well up toward head of the
Basin against which the guides
piled their revolvers for the Echo.
We came out & proceeded
northwards formally not
having a showet en route, while
Fernald & Churchill & Rogers

staid along time at head of the Basin
& got many good plants, but all
the time in vain which was
terific after we reached home.
We then Collins, E & W & came
back with the guide Coxer.

14 July
Saturday

Fernald took Rogers & went again
to the North Basin to finish work
on the ledges & slides there while
we staid at home & took care
of yesterday's collecting. Collins
I do not find so great variety in
these woods as we expected, altho
there is an enormous lot of moss
the species are *Hypnum splendens*
& *Scheucheri* & various *Dicranum*
these make up the bulk of what
we send. Tree mosses are very
scarce & we have seen no *Ulexia*
or *Orthotrichum*. We got a *Sphaerium*
on Caribou remains up the Big slide
& another on dung in the woods
with different ones. Not much
rain has fallen today as yet. 1.30
pm but it is cloudy & dull & there
have been a few showers this am
Fernald & Rogers came home 5 pm guide
tired out, they had examined
No Basin but found

nothing newer than yesterday. They ascended to the North Peak & came again down the ravine & slopes, & came home in a driving rain storm well wet through.

Sunday
July 15

Sun rose into a clear blue sky & we welcomed the long lost fair weather, but we had no trip on hand today for the men have to make two journeys to M. Hood's camp to get our stuff down for going home. They left at 6 am & I took several photos the weather was so fine, Sunday the Cook snapped the interior of the camp with all fur by the fire & I took the mountain from the lake which may turn out better than yesterday I took there. Collins has showed me much about the manipulation of the camera. His day is warm at 10.30 am and continued pleasant until evening.

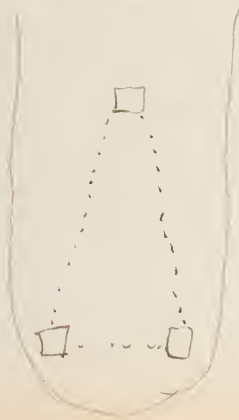
A young porcupine remained all day long in a tree top near camp & at 5 P.M. came slowly down in spite of our attempts to keep him up the tree. As we did not wish to injure him, he scuttled off

under a brush heap we heard him
in the evening examining the firewood
of our kitchen. The men made
their two journeys down but did
not return in the evening, so we
set in the lean-to with Hussey
enjoying the fire and star light -
making it the only real camp
night we had had. Emile today
swept the camp floor and in
other ways demonstrated his
housekeeping capacity which
has thus far been submerged in
the rain storms.

Monday July 16. The men came back at 7.30
+ we had long been ready for
them with bags all packed &
strapped. at 8.15 we started
down weather fine + we stopped
awhile to ~~obtain~~ at 3rd Pond
where Donald found what he
thought was Carey Cransie;
Colman & I with Emerson Board
kept on to Mc Leads same where
we reached at 12 in the ever-
increasing blackness of a thunder
storm. It rained as soon as
we were fairly housed so the
rest of the party came in

2
very wet. We had a bunch &
set out for Bell Camps by the
Lumber road in a gentle rain
which with the wet shrubbery
dampened us well before we
arrived. The horses pulled
the sled load across the
river after the men had
shut down the gates to lessen
the water and altho' our
packs were not really wet
by the stream several of them
were slightly moistened inside
from divers causes.

Memo: have slips of pieces
plaster or canvas sewed to
bags for the men to put straps
through if the bag is to be
carried thus where the



dotted lines
represent the
straps the
men affix to
the bags for
carrying.

A lumber camp is a poor place in summer - I did not sleep very well, sharing my berth with E. F. L. - & looking out into the dark caverns of the camp.

L. B. Rogers came with team from Patten arr. at 7, and the new party, E. S. Rogers & Broad had lots of Trout say 6 dozen for us to eat - so hot trout Omelet, & cold triad made our supper & breakfast next morning.

Tuesday
July 17.

Doubtful weather at 4.15 Am settling into rain by 5.30. We got started & all hands walked 3 miles to City Camp, & soon after began to ride the rain heavy, a good deal lessened tho' still in evidence. We reached Robars (so pronounced) at 11 & had lunch, where the Beef soup capsules came in well soaked in boiling water. We rode to Dairy Dam, over the road which has been well characterized as the road where you ride for exercise and walk for pleasure.

4
New E. J. Rogers + Board got into a
skiff + we watched them pole
down among the rocks of the
Massataquich on their way to
take the skiff round to the
Ferry landing which they
reached before we did.

Collins + I stuck to the Teams
all the way out from this point
+ after reaching the crest of the
hill the heaviest rain of the
whole trip struck us + continued
all the way to the Ferry. We
overtook Williams + Churchill +
Fernald who had gone ahead
waiting in the rain by the side
of an impassable swamp in the
lowlands by the river + when the
horses finally waded us thro
the water was far above the
hubs + just touching the
floor timbers of our wagon,
but we lived through it.
We reached Luce's wet
through + stripped at two
hot fires + began our
usual drying process of
clothes plants +

Wednesday
July 18

Fernald had to reach Boston as quick as possible so he started with Peter as driver at 10 am for the afternoon train while the rest of us spent the day in getting plants & clothes in some kind of dry shape. It did not rain till the afternoon & Peter reported that Fernald reached the RR station all dry. A fine thunder shower with us gave a wild sky & fine view across the River.

Thursday
July 19

Up at 4:15, breakfast at 5 & at 5:30 we were off for Stacyville, bright day, N.W. wind white clouds hiding the top of Katabon, fading into gray & dark ones later. The road out was execrable, the water filled it like a brook, the gullies were deeper & in one place we barely escaped going over. Rogers advise to "get your feet under you and set down upon it" hardly saved us, & the floating corduroy roads were a struggle. In the houses,

and a trial tour, but we reached
the Sharpville station before
9. Am. C. F. W. & Colliers took
the 9.30 North for Tan Bureau
& Churchill & I the 9.50 for
Boston. Walter met me
at Biddeford at 6.20 P.M. &
Churchill reached Boston at 9 P.M.
Clear fine day wind East.
Left Biddeford at 4.15 P.M. for Boston

Friday
July 26

1905

14

July 29
Tuesday.

Came to Rudderford Pool with L. R. Woods.
Did nothing Botanical till Saturday
the 28th when in AM I explored sand
fields & marshy land betw. Beach &
Pool. *Spartina stricta*, & *Juncus*
communis on the sandy black grass
land. found another the 3^d patch of
Arenaria peploides. PM drove with
HWK to Hills Beach opp the Steamboat
landing, & remained on a slaty
bluff some time waiting for Sinclair
who did not come. Took some
photos of river at low tide.

1900

agavequit

Aug 24

Went yesterday to stay over night
with Geo. P. Kimberly. Left Bedford
7.15 AM. Arr. 11.15 PM. Stayed in hotel
in a back of agavequit. In the
morning I went out with some
sawed lumber to the house at
Bridges - on the road. The wet side of road
scattered *pedicularis*. In the eve
drove to Argamontiers Mt: six miles
by train & half mile walk to top.
Several *Pinus* near Plaisted farm,
a good grove of rough barked &
smooth barked trees. *Pinus strobus*
plenty at our place. *Clathra*
alnifolia & *Pinus resinosa*
this morning we looked on the ledge to
Hammers & walked in the pine woods
& cranberry bog back to the train.
Carex flava with *Andropogon terminalis*
spike, *Gentiana linearis*, *Ranunculus*
the cymbalaria, *Lynis plexuosa*,
Lycopodium undatum,
PM we drove back to Wells for the
3.50 train to Bedford.

- 1900
 Nov 5. Walden Vt. and Danville Vt.
 left Boston with ad Hodges at 10 am
 arr Danville at 4.45.
 Nov 6
 walked abt & around the town.
 beautiful Indian summer day.
 counted 12 spec. still in flower.
 Also the curious bulbous rooted
 Violet *Selkirkii*:
 Nov 7
 walked to Walden depot &
 found curious branched *Polytrichum*
 by the roadside close to Walden
 village on the way to the depot.
Pogonatum ussigerum P. Beauv.
 Nov 8
 to Bradford Vt & called on Miss
 Bacon & on to Whitefield Vt
 & at Dodges.
 Nov 9
 cold snowy day & also the 10th
 came home Monday Nov 12th

In flower at Danville Vt Nov 6. 1900, the 2000.
Ranunculus acris *Solidago canadensis*
Solidago nemoralis *Chrysanthemum* *Leucanthemum*
Trifolium pratense, *Capsella Bursa-pastoris*.
Cerastium *Fragaria virginiana*
Sagina *Achillea millefolium*
Oenothera punctata *Taraxacum dens. lewis.*

1901

Jan 6
Sunday.

Went with the children to the new
pond at Kooie Whisick Club made
by flooding the meadow. Walked
abt around the pond & up the brook
on the ice. Came back to Club House
by woods & paths behind the Bowls house.
On stone in brook *Eubodon seductrix*
& *Amblystegium varium*, the large
Orthocladon form. kept both.

Esbois

Maine Feb 22, 1951.

E. Williams, at Hodges Is. S.A. I left
Boston Tuesday eve. Feb 19 at 7.45 +
arr Bangor at 4.10 Feb 20: left at
7 AM + arr Patten at 11.20. Ed. Rogers
got on train at Hazyville + came to
Patten: Capt L B Rogers met us at
station + we got rooms at the
Palmer house: PM Capt Rogers
took us for a drive but the cold wind
drove the snow about + we could
not see Katahdin or in fact any-
thing, so we stopped at Roger's
house + saw Mrs R + Ruth - after
talking with Mr Palmer + we decided to
come here + next morning Feb 21. Rogers
came to the door with a pair of horses +
sleigh + Palmer took our trunks on a
team + we came on 12 miles to + past
Shim Pond to Cooper's for dinner: here I
saw the Arctic Snowbirds; the English
sparrows were flying in + out of a hole in
the barn like Barn Swallows. After
dinner Ther 13° we came 10 m. further to
this house + before sunset tracked a
mile further to a ^{recently} deserted logging camp +
saw the white winged coo's bill, red + black
We went to bed early + Sinclair made
applies vivid to go on the F.

12
Went to Chamberlain Farm, so he was
up early this morning & off with the men
at six o'clock. After breakfast at
7 we found to our surprise the ther-
mometer was 8 below zero. The snow-
shoes set up on the horseback ridge & the
Katahdin was very divinely seen. I took
Panorama views - Then we snowshoed
thru the woods by the roadside to the
recently deserted lumber camp. Saw Blue
jays, Canada jays, Crossbills & some I
knew not. PM we drove to
Soudan Lake snow shoe trail & went
in abt a mile to the lake: the trail
was exactly like our Soudan Lake trail
of 38 years ago. Saw a Pileated Woodpecker.
it showed a good deal of white in flying -
got Beckers today very plenty & fine -
The lake is large & fine every winter.
Ther. today 16° above & at 9 PM 2° below

Feb 23

Saturday.

Ther at Sunrise 15° below zero: after
breakfast we started for Trout Brook
Farm, going by or near Mud Pond
& stopping at Brown's lumber camp
on a steep ridge (Lake). Saw Trout
& Mud Lake. Here I had a pair of
snowshoes regg'd with a thorn
in Soudan Lake style & liked it
much. We did not drink with

the crew for they were in the woods, but had good - marm, ka, gingerbread, doughnuts & bread rolls - We drove up Grand Lake & across the East branch to Trout Brook house & staid a half hour, driving home same route. From 4 to 6 we walked about the fields & up the horsebacks here among Katahdin whi was full of clouds & we could see right at Pownal, the Basin & had the North Table Land: a fine & big sunset. Ther. 12° above at 6 P.M.

Tuesday
Feb 24

Ther 5° above at sunrise & a fine snow falling from a laden sky, & this has kept up all day. Having spent some time putting in old fashioned things in my snow shoes we went out for two hours in the woods & to the little camp. After dinner wrote to Ka.

Monday
Feb 25

Katahdin shows out clear this early morning & with Ther at 6 I went up on the horseback & took a Panoramia photo. Whi I probably spoiled by opening my Camera too soon. We got away before the Late Trainer to Brown Lumber camp, came along & drove back to Patten withack stepping

at Mesons or Plum Ponds; the wind
was cold & piercing across the
plains after leaving the woods.

Wre at 12.30 & after some visits
the Photo. Jacksonian but he had
no views for sale, having sent
them to the Sportsman show in N.Y.
chatted also with Col Gardner
a loyal legion man at the store.
Every met Cooper who it seems
was at work at Browns Junction
Camp when we called there.

Tuesday.
26 Feb.

Snowing quite hard when we
started to drive with Rogers to
the East Branch. Called on
John Cushman at Throum & each
of us bought a pair of his moccasins
which are narrower & with a
much smaller mesh than mine.
In the woods betw. Staeville & the
East Branch the snow storm stopped
we enjoyed the sun. Arrived at
dinner time & found Mr & Mrs.
Wakefield Shaw & Mr & Mrs Ed Rogers
& little girl at the house. Mr. Shaw
is a Newton Highland Mass artist
staying here over the winter: he
had sketches on the walls -
altogether the place was quite

country. All the way south of
the usual Patten Road a mile
- at some 11 o'clock. The *Prickly*
Pernata the wet bluish was the
same. Took one *Pr. Pr.*

Wed.
27 Feb

up early & packed up the *Prickly*
to find the Birch tree above Easy
Dam: On a hill - just this side
of Easy Dam a magnificent view
of Kaskaskia appears to have my
last *Callosamma* photo there.
Beyond the Dam we went along
the sloping hillside to the bridge
& soon by a road cut out of the
loose drifts to edge of river & out
on the ice for about a mile, &
just at point of leaving the river
again began to see the white
Birch with drooping or rather con-
tract - branches. We took specimens
of twigs & some red fruit & a small
portion of *Berberis*. We drove back
again to Burgoyne at noon. Took a
short snow-shoe tramp in the overflowed
lands across the River & down to Steyerlein
by 3 P.M. Train came along at 3.40 P.M.
Burgoyne 40 m. late at 8 P.M. we just got
sleeper for Boston were at 6 P.M. Feb 28th

1921.

29

March 13.

Left, attended 11 am with Hawk & I, to the
tunnel; brought Sam Hodges back here
Mar 12. Taylor & Pat Ricketts were to go
They went in on 3.10 & afterwards with
them I did 47° marches through Knap-
land area of Mount Rose & to lower
part of the Home way. Low pasture &
by path out to the lower station
field towards Bush Hill Park. Home
by road: got several masses, some
spots & some fine material, including
Thymus in bog in water hole.

April 13.

went west to the Falls Station
in Maiden & up the Cascade
Rocks, getting what is perhaps
a *Thamnum* & also on White Rock
an *Androsace*, wh. I do not find
recorded in any Middlesex list.
Took photo of falls & then walked
to the Virginia Woods & to Wyomung
Station. Had lunch on roadside
in warm sunshine; *Caryophyllus*
varius in young flower. Wind
East & Sun bright. Back 4.20
at Wyomung.

28
1901

April 20
Saturday

Mr. Warby 57 yrs old called for a route
p. U. which I gave him. He is a
wanderer selling willow tips
with the flowers on her malaria
& "the water". Apparently a talker
but with a pleasant face. He
goes about the country sleeping
always away or Boston if he can
& stopping at diff. places as
Brookton, Stoneham, Weston &
filling his basket with "buds",
may flowers, in quantities,
up Pine Hill, with Ad. & C. P. Wilson
the 1st. Melancholy not yet in flower

12 May
Sunday

13 May

Collected in Clark's field

- May 21 ... 7 are
- West Ossipee 5.10. Fine view at house
- May 22 All waded up lakeside to James house
P.M. to the top of Washington Hill: visited
the Page House. Ther 85° at 2 PM
- May 23. Fell drove to Tamworth + round the
Kennebec Place + down a beautiful wood
road. Bright summer day.
- May 24 Cloudy all + rain by 11.30. left by
12.4x train for interval: had carriage
to Perdeux mansion + good dinner.
Miss Gray there had a dog + were
spee of Cybopidum cretium got on
the West side of highway while driving
down between the Cretaceous being
the Madison Boulder + near the
Spring than the Boulder. We left
on 3.10 train + went thro' the Hallow in
rain + inc. Lancaster at 5.35.
Stopped at Lancaster Ho. North of
Lancaster: had rooms 509 + round
the whole excellent - in every way.
- May 25
Saturday. Had + waded to the top of a hill
across Union Canal at station + got
fine view of the White Mts. we left
at 12.20 + changed over at Lehigh
station + thro' Lehigh to St.
Johnsbury arr at 2.15: visited
the Museum of Nat History;

Left at 7:30 AM. West Brook, N.H.
George with the pair being very low
took us to the lake in the most
beautiful afternoon we have seen
for a long time.

Thursday
May 20.

Very fine day. with wind up first
slide - was rough about 10 AM
all but lower. got very good
views of the lake. Took down
to road + in the swamps + wet-
lands. A thicket in bloom, +
Sambucus racemosa + other the
usual things. Mr. Conkey, Mrs.
Richardson's mother read me much
of the West Page game at
Lancaster.

Friday
May 27

Rising in AM. but I walked up
beyond Roaring Brook. *Salix varia*
+ *Populus rotundifolia* in reddish soil
perhaps *asarifolia*. this on the lake
side of road. Could not find *Cyp.*
aristatum. Much *Eucalyptus*
in pop. thicket + I have always
thought this was the best fruiting.
It rained hard all the time + we cut
two snow-bunches in the cove -
10 ft fr. house to lake: one 30 ft long
4 ft deep to bottom, the other
30 x 4 + 1 1/2 feet wide.

We went to Passer Ridge road a
 small patch of *Volcania*, not *Volcania*,
 but not much like *Volcania* one,
 being thick leaved & with basal
 hairs, & all leaves pubescent. Also
Kalmia flava & the leaves of the
 fl. branches are wider than the
 later very narrow lanceolate leaves.
 Beautiful yellow light in sky at
 end of plate after sunset & I took
 several photos, with 128 & 250
 views or 3-6 views. & then the
 upright one, *Volcania* fl.

May 20
 Sunday

Windy in the but I walked up the Mt.
 path to Pulpit Rock. Found only
 one yellow *Volcania* plant has
 been common at the 70. Flat *Vol-*
cania *Parviflora* but leaves not the
 old larger leaves like - also *Volcania*
minor. *Chamaecrista* *holosericea*
 in fine flower at Pulpit Rock. The
Volcania in fine flower - produces
 has even pretty like what we have been
 seen before in former years. Present
 fine after a flower has been found. Saw
 a pileated woodpecker.
 Ranter took all the specimens & I
 took care of my plants.

1/51

May 29
Monday

Day cloudy, cold, but no rain. Walked
 out to the Four Bridges. On big rock
 by roadside near Big Boulder & also
 on wet rocks in bog by the Bridges
 found much *Trichomanes* &
 on examn, some at home this pm
 found a very small specimen of
 prob. *T. mucronos* or some of that
 group of little ones. Searched
 the bog for *Suidacma trifolia*
 but in vain. By Bishop's
 Brook higher up found as before
 the *Avena striata* out the grass,
 had more nerves than the manual
 gives in the lower 3 + upper 7.
 The *Acer spicatum* near Big
 Boulder is all staminate. Found
Cornus serotina in Aud. Lake in
 the afternoon took Katie down the
 Lake path to see the 2 snowbanks:
 they are fast disappearing. On path
 found a *Ribes* which I took for
var subglandulosum but the berries
 + pedicels are glandular & warty & the
 calyx tubular bell shaped & smooth.
 The stems were not reclined but straggling
 next to the bush 2 1/2 to 3 ft high -
 the one or two fl. racemes drooping
 + the pedicels to each flower quite

smooth or soft & shiny ... the main tract
which marks the division between the
bristly common species & the smooth
individual ones It is Ribes Cynosbati

Thursday
30 May

All worked with M & I along Lake Shore
road former Pyrola asarifolia getting in
PM we went to Montreal, driving down
to station with John W Titcomb of St
Johnsbury Fish Commissioner & also Dr
Ross. The express stopped for us at 4.30
& we are at M. at 9.15. The ride
from Newport to Richford through
the Hill country is very nice. Rooms
at the Windsor directly opp the Dining
Room roof.

Friday
31 May

Raining at intervals all day. I
went down town to see Square Knox.
PM we went to Co St Luke St &
saw the whole family for Mrs. Aitken
down. Evening Jesse, & John & Eric
called on us at Hotel.

Saturday
1 June

Left Montreal 7 AM & saw the
Dominion Bridge we crossed at
Caughamaway. West Burke at
1.45 & home 3.30. The flower in the
lake & marshes at Newport is Buck
Beam. I went down to Mare
Ford before supper & got
P. ...

Cherry path, in flower & surrounded
by Big Boulder - *Salix balsamifera*
a new station for it.

Monday
June 2

Waked the Cold Brook path & home
in the rain by Cherry Path. In the woods
below cherry we got *Diandra Canadensis*
in fruit. P.M. went to Miss Cobbs
view & in pasture *Potentilla fruticosa*
you saw fine *Salix lucida* fruit.

Monday
June 3

waked an up to Roaring Brook &
beyond. Collected mostly at & beyond
Roaring Brook. Snow patch in path
to take measures + it by 2 o'clock
+ a nap. Got several *Potentilla*
- large straggling, *Diandra Canadensis*
under a tall tree - a new station - the
P.M. about 10 o'clock went to
Lake shore - took *Potentilla* in
with *Potentilla* & soil

on the beach at Lake Ther. at
Lake shore 49° at 7 P.M. Day
cloudy & with a very few drops of
rain; but heavy rain at 6 A.M.

Tuesday
June 4.

The snow still persists in the wood by
the path to the lake & the day is cool -
with North wind. I went to the lake
shore this morning & got some more
Potentilla and on the Bank up
entrance to Cold Brook path

found *Stressium lites velata* in bud; this is new to the region. Got also very handsome *Tola Seltkiskii* in a wet place by the Bog in fine flower while that in the basket-nest have flowered a month ago. *Cobitis trifolia* in flower.

PM went down thro the woods to Mare Pond came home speedily on acc of a thunder storm. Found close by the Skinner's entrance to Mare Pond a remarkable *Corallobiza* with three equal & similar petals, each with two ridges on it, while *C. imata* has ridges only on the lip. It had a very upright spike of flowers & under each flower a very evident bract as long as the ovary, altogether very diff. from *imata*; the three petals were quite white & being alternate with the yellow sepals made a small lily looking flower with the orchidaceous column in the centre. I found two of these plants about two inches apart but found only one small coral like root very deep in the black wet earth. After the rain was over went down the lake road & brought home some *C. imata* for comparison.

The color & glow of the woods road
in the afternoon light with every
leaf dripping water was a fine sight.
The snowbank still remains under
the Cedars. Ther this evening 50°

Wednesday
June

Very fine sunny day, growing quite
warm in pm. The Snow Bank had
entirely disappeared at 5.30 PM.
Went in AM with Alad to Marl Pond
& the woods below looking for *Corallocha*
similar to the one got yesterday.
Found several interesting plants
one with basal bract more than
an inch long, one with bracts to
each flower, the bracts being as
long as the ovary & twice as wide.
One with almost erect capsules,
several in bud, but none
with the ~~to~~ three similar petals
yesterday. Went to the ~~the~~ spring
above by the wet cow path to
Suzette Brook & pasture opp house.
Very fine *Eyp. pubescens* in the
woods below Marl Pond. P.M.
we all drove to Green Tunnel: the
beauty was somewhat marred as
a lumber road had been made
through it & in some places the
logs & small ~~branches~~ ~~branches~~ were seen

any distance on the side of some of the
 Ponia called. We dug through the
 I have sent some home this evening.
 Took sub. pl. spec. of *Conocarpus*, some
 insect had hurt the foliage of
 Mrs. P. it seems has called the
 ordinary Complex about the Witch Hag
 & probably does not know *Hammamelis*
 Every leader - Salmon this came from
 P.M. worked in woods at foot of Mt.
 coming out at Ponia Horse.

Thursday
 June 11

P.M. we drove to outlet of Lake
 very hot, Ther 50 + a still air.
Arachnoid borealis on roadside
 below Roaring Brook & next house -
Aphorastethus first beyond town
 Washburne, one or two willows
 on Lake shore. The *Virena* still
 flourishes in swamps at end of lake.
 Bought two lunge at post house.
 Took a dozen photos, one of
 Roaring Brook & another of the
 tunnel here in the setting sun.
 Dark still warm evening with a
 rumble of thunder in the Northwest
 sky. The leaves of many *Larix* trees
 here are yellow at the ends, giving
 the tree a scathed look quite
 unlike the fresh green of the
 Lake & woods at the time of the

38
On examining them I find the end of
the leaf thin & hollow and of a
yellow paperly like texture with
a hole on the upper side of each
leaf where apparently the insect
has made his exit after being hatched
& nourished in the leaf. The part
of the leaf left unattacked is green
& healthy & with a clear cut line
of demarcation between the healthy
& hollow portions: this insect theory
requires an almost infinite number
of eggs & a patiently persistent mother
to deposit an egg in each leaf.

Friday
June 7th

Last evening was thundery and dark
as pitch tho' hardly any rain fell.
This morning foggy warm 68° &
cloudy but scarcely a drop of
rain. I raked up for the *Popula*
incarnata found one blossom
out on one spike. Got a lot
of *Fissidens* decipiens in soft bank
near Prairie No. Picked a dandelion
with a flower stalk 24 inches long.
& gathered *Senecio* & *Lamium* *pernucillata*
showing the base of the *Senecio* as a
white substance as large as the body
of the *Senecio*. Rained all pm.

June 8
Sat.

Left Will at 7 & arrived at Larranster 11.45
Drove to Page farm in sun & to the bridge

Blue Hill.

June 14

Went up Blue Hill & down the south side this pm expecting to find *Siparis liliifolia* but did not. Brought back two carices near *Conoidea* or *tetanea* that are new to me. Saw the *Asclepias quadrifolia* in fine flower + various *Panicums*. Very warm - muggy afternoon. *Carex grisea* was one of the above the other a large var *patulifolia glaxiflora*.

Williamstown & Graylock Mt.

June 15 Left Boston 1 P.M. with Mr. Reed, Williams, Judge Churchill & family. On the train also Mr. Thos. E. G. Hoyt. Arr. Williamstown at 5.20. The first view was of the mountain, the summit being visible in the distance. The mountain is covered with forest. The first view of the mountain is from the station. The first view of the mountain is from the station. The first view of the mountain is from the station.

June 16
The first view of the mountain is from the station. We had seen & after calling for Mr. Henry Andrews in the village we drove up in the Hoppers to the pasture etc. Then passed to the Summit of Grayson. The path goes to the right when we go to the first main gate after crossing the field. It was a very beautiful walk, & on arrival at the clearing at Campney place the path through the cedar spruces is to the left rather than the right & follows the brook a piece: there are several bypaths there & a chance of going astray there. We lunched at a brook on the Pittsfield Road & then kept the road to the Summit. Two carriage roads go to the top, one to Pittsfield & one to North Adams. The former is comparatively new & consequently

RADIUM AT WILLIAMSTOWN

GAS FOUND IN SAND SPRINGS

"GOOD MEDICINE" OF THE INDIANS

And of the White Man, Too, Found to Be Due to the Properties of Radium

The discovery of radium in the waters of Sand springs at Williamstown, widely known because of their medicinal properties, made early in the summer, has been followed by examination and study by scientists, who have determined beyond any doubt that radium exists in the spring, though to what extent it is a difficult matter to ascertain. Prof. J. E. Shrader and Assistant Prof. Brainerd Mears of the faculty of Williams college have been examining the waters frequently for the past few months and each time have found radium beyond question. The springs from which this radium gas has been taken are located on the north side of Williamstown, about a mile from Williams college. They are owned by Dr. S. L. Lloyd, who has built there a sanitarium and large bathhouses, and they have come into popularity as a bathing and summer resort.

As far back as the springs have been known in history there have been stories of their wonderful healing properties. The present owner came into their possession in 1894. He was then a practicing physician in Williamstown and realized that the water of the springs had some peculiar healing properties, particularly for skin diseases and rheumatic troubles. He bought the property of Foster E. Swift, a well-known hotel man of North Adams, and immediately began its development. In 1895 he built a sanitarium, intending to develop the springs solely for their medicinal property. The place was sought as a summer resort, however, and with that there were added large bathing facilities until now the springs are widely known as a bathing resort. The fact that the water contains healing properties always gave the doctor a bit of trouble because he was never able to determine what they were. Every analysis of the water showed that it was almost pure, the largest amount of mineral salts ever found in a gallon was six grains and a fraction, which was not sufficient to be of any practical medical value.

About a year ago a chemist expressed the opinion that the healing properties of the water were due to the presence of radium rather than to any mineral salts. The positiveness of the chemist led the doctor to place the water before Prof. Shrader and Assistant Prof. Mears. Prof. Shrader says that radium exists in the water beyond doubt. He explained the method of examination and said that whenever any gases had been obtained from the spring they always showed radium. The gases were caught as they bubbled up and were closely confined, and the examination made as soon as they could be taken to the laboratory. To whatever extent the radium exists, it cannot be, Prof. Shrader says, of any commercial value, except by the springs themselves. It is impossible to confine radium gas for any length of time, the longest that it has been confined being four days.

As far back as the days of the Indians these springs were known as medicinal springs. The old Mohawk trail passed not far from them, and the Indians stopped there every time they passed. Mason Walker, who died six or eight years ago at the age of 37, lived within a stone's throw of the springs for 81 years, and remembered when a medicine man pitched camp there and did a land office business with the water as a healer. Aaron Smedley, a member of a family of Williamstown settlers, as early as 1762 told of the value of the waters, according to "The Origins of Williamstown," by the late Dr. A. L. Perry of Williams college. More than 100 years ago there was a bath house at the springs, for in 1826 an old paper published in Williamstown, "The American Advocate," advertised the baths and the healing water of the spring.

The spring was then owned by a man named West. For a time the property was allowed to go down, but during this time the springs were visited every year by regular visitors, among whom was the well-known Springfield hotel man, the late Tilly Haynes, who was enthusiastic over them. All kinds of stories have been told of what the waters have done for the sick and the lame, but so far as can be ascertained they never made the blind see nor the lame walk. It is certain, however, that they have worked cures in many cases of skin diseases and rheumatism, and several instances are cited where they have succeeded when physicians have failed. The present owner has developed the water as a table water, and is making from it a ginger ale and soda, building up a considerable business in this line. No great attention has ever been paid to the curative side, and the examination of the water the past summer came largely from the curiosity of Dr. Lloyd and the interest of Prof. Shrader and Assistant Prof. Mears in the possibility that radium existed.

to collect. We recently went to the top of the laboratory for the visit - very fine but rainy. The Catskills were also noticeable - what scenery. We found *Physocarpus* on top, but *nicotiana glauca* vegetation. We on the summit heard 2 five. We walked to the *Abies* near the 5-3 miles acc. to the are at some closed road. The views in miles of the road were *artificial* - in the found many *pot* *lla diphylla*, & many *sp.* *Simplex* and *in* *Pyrophylloides*. I collected only a *Polypodium alpinum*.

we found little to collect. On reaching
 the top we went to the top of the 4
 story Iron Observatory for the view.
 The day was very fine but hazy
 at a distance. The Catskills were
 dimly seen also Mounts used & what
 we called ascentary. We found
Ambrosia oligocarpa on top, but
 no characteristic northern vegetation.
 26 people were on the summit besides
 our party of five. We walked
 down the North Adams road to the
 Toll house $5\frac{2}{3}$ miles acc. to the
 guide post. are at seven o'clock
 at the Toll house. The views in
 the last two miles of the road were
 extremely beautiful & in the
 woods we found many good
 things: *Mitella diphylla*, & many
Botrychium spp. *simplex* and
matricariaefolium, *Hydrophyllum*
Virginicum, I collected only a
 few mosses, *Polypodium alpinum*,

1919

June 17
Monday.

We walked from the house along the pasture
ridges + "seepy" banks to the Pawnee
Road + up that across the line into
Vermont; there is a beautiful wood
brook with fine drinking water supply-
ing the a water trough on the road
near the line. The wet clay banks
gave good collecting: *Carex aurea*,
Spharatheris latifolia, and some
most beautiful specimens of
Cyperidium spectabile; of which
we all took a supply. The

Carex laxiculmis was infected by
a disease which made the perigynia
double the usual length. *Carex*
terrestris + *Schweinitzii*, + fine
granularis + *polytrichoides*.

Viburnum cassinoides + *Cornus circinnata*.

PM we were at work on our plants.

June 18.

Got up at 4 to take the 5 o'clock Expt.
train to Boston, but it was 3 hours
late + we took the 7.10, + arr in Boston
at 12.40.

Friday
June 21

Spent the day at North Scituate
with Edith. Got fertile flowers
of *Mosses sylvatica*.

1900
July 4.

The family all being at Biddford Pool, A. D. Hodge Jr. & S. F. Williams spent the 4th here: a pleasant-summer day & follow, much extreme heat the past week. We walked up Blue Hill & down the other side home by Wildcat Notch. On the Top a very narrow leaved *Piper aduncifolia*, *Carex grisea* in patch on south side & a young mixed *Liparis liliifolia*.

- July 12 Left Boston 7 PM with A. D. Hodges; could have left at 9.45 & changed at Bangor or Ellsworth for our Train, arr at East Machias at 9.55 AM a very pretty village with rather hilly streets & comfortable houses. We got team fr. Sanborn's hotel & drove 12 miles to Cutler: part of the way thro' woods & again with views of the tidal river or bay. Arr Cutler at 12.50. The Cutler House kept by Mrs. Grothusen looks down the fjord like bay to the ocean. The white spruce abounds here & the fir & spruce all have fine young cones. After dinner we walked down the road & thro' woods to the ocean at entrance to Little River or "the Harbor" as here called. got *Vacc. vitis Idaea*, *Eupatorium*, *Rhizanthus*, *Euphrasia*, fine large *Ranunculus septentrionalis* sending out rooting runners from the nodes, *Gromia nevadica* on the cliffs at entrance to Harbor, & a large *Orthotrichum* on old spruce trees at shore, *Microcolea bovalis*, various corals, *Eriophorum alpinum* & a very glaucous *Plantago* at shore.
- July 13 Saturday.

I never saw so blue a *Plantago* & the ordinary maritime grass rather further in shore. A very brilliant summer day with West wind, Ther 62° at 6 P.M. & 60° at 8: P.M.

Sunday
July 14.

Day rather warmer than yesterday, Ther 75° at 2 P.M. but a fine breeze all day. Ther at 6 pm 67° . Mr & I walked down the Cove road & to Corbetta's Point. Next the Corbetta he took us to a remarkable spring on the rocks at the seashore, just above high tide: it looks like a pool left after rain or a high tide but tastes sweet & fresh & never failed all last summer during the worst season ever known on the coast of Maine. In fact the Corbetta found it last summer by noticing that tho' the pasture spring was quite dry his cows never appeared to need water where they came to the shore, so he followed his one day to this pool in the rocks: there fresh water was & apparently young mosquitoes in it. The rock appears porous & there are other different size pools some 12" & more wide, only one with lot of water.

46
I got today *Lonicera caerulea* on the
dry rocks + an *Arctostaphylos* - perhaps,
perhaps, and a *Galium* Bush-like
with perfectly smooth fleshy leaves
+ minute flowers, in fact the whole
plant less than two inches, this on
the rocks by Cochet Spring in a damp
spot as if from Soabare fr. Spring.
with it also three plants *Euphorbia*.
also got the Iris with short blunt
ped. I found at Tadoussac + one
with glaucous leaves + a very long
slender ped with beard, the ordinary
iris grows here too. Found in
a *Saxifraga* *Amelanchier alnifolia*
or what appears to be it, + one of
two curious *Saxifraga*, also found
Saxifraga var *boanensis* as well as var
albina of *Commis*. Took views of the
shore + from the peak of the hotel as
A.D. volunteered to carry the camera
while we were out. I arranged
my plants + we visited a cottage
near by that is to rent.

July 15
Monday

Day very warm, 2° at 2^{pm} but cool enough when out of the sun as a breeze. S.W. west wind blew all day. We walked to Demustons Point & had dinner at Mrs. Demustons house 25 cents each: Here we could see Old Man Island with a colony of Sea Gulls on it & Wash Island and part of Cross Island with the Beacon pole of the Life Saving Station on high bare ledge of rock. Just below the Demuston farm house the sea beach is rocks & large stones & the bank is a wet clay with springy places & shades of small area. I hoped to find some rare things but did not. After dinner we walked back to school house & explored the sphagnum bog near by: *Eriophorum*, the two cranberries, *Carex* *Magellanica* & *coarctata*, *Coriaria*, *Ledum latifolium*, *Rhodora* & *Lonicera caerulea*, *Kalmia glauca* & *angustifolia*. on wet bank by roadside *Juncilago*; The Spruce woods are very dark & dense when you enter them, & the fir balsams bear cones when not over 15 ft high, also the white & black spruces. The evening at the Hotel was also quite warm.

1901

July 16
Tuesday.

We walked on the Dubec Road about a mile but being out of the wind & in the hot sun we turned back & took point path under the Spruces & visited the Tin mine near the shore; the shaft with deep water in it & a big pile of refuse & the roadway thro the woods are what is left of it. I did not hear when it was worked. We came home to dinner & having telephoned to Saubornis Hotel at East Machias he sent over Buckboard with same driver (Cummings) who brought us down and at 3 PM we said Good bye to Ner Grothusen & came by the "Back way" by Gardner Lake a very fine 15 or 20 m long pond to the village & had tea at Saubornis Tavern. We had heard at Cutler that Gardneri Hotel in East Machias was the better one, (it certainly is better situated for air & view & perhaps for families would be better) but we had an excellent clean & good supper & got the 6.47 train for Calais; arr at 8.15 & found the town; the Hotel St Croix Exchange, & our bed rooms

extremely hot as the day had been a scorcher 97°, but after opening windows we cooled off somewhat.

July 17.

We left by Boat at 7.30 & went to St. Augustus & by Bus to the Algonquin Hotel: this place we found hot & still and we did not walk about any for the woods are far off & all about are open fields & cultivated land. So after a lunch at 12.30 we drove to the Boat landing & took boat at 2.30 back, were at Calais at 4.30 - We took 6.30 train for Eastport & were at 8.24. Stopped at the Quoddy House, Ther 63°. we walked about the streets before bed time, watching also the people come to the P.O. for the evening mail.

July 18.

Much fog in the morning which suddenly lifted at 9.30 & we took the 10 o'clock Boat Lube for Campobello which looked very beautiful a mile & quarter away. We visited the Hotel. They cost & called on Mr. & Mrs. Wells. Then walked to the Hotel down for a not very good lunch (75c) & took 2.30 Boat (Lube) again for Lube

back to Eastport at 4.30. A heavy fog at Lubec prevented us seeing southwards down the strait, slow patches of fog hung over the water. Campobello is a very pretty place & the Ruess must be fine. Ther 62° at 4.40 when we reached the Eastport Hotel. There is a small Public Library building here, The Peavey Library. We went up the long hill where stands the water tower hoping for an extensive view, but it began to rain just as we reached the summit & we returned soon: the showers continued in the evening.

July 19
Friday. Left Eastport 7.33 by RR for Bangor & arr at Biddeford 6.24. Day fresh & bright.

July 20
Saturday Day rather muggy & warm. PM Capt Fletcher took us in Buck boat for drive to old deserted farm in woods & home by Fortune's Rocks.

July 21
Sunday warm & muggy. Did not go out all day. Reading Prof. Geo. W. ... on ... from the ... which with Bishop Colenso's Book on the Pentateuch whi I brought with me give me a new idea of the Hebrew Scriptures.

July 22
Thursday warm day with brisk West wind.
Ther 88° on the piazza & 94 at the Life S. Station.
Pne walked with ad but not far.

July 23
Pne we drove in Beechcroft over to the
old house & home by Tokeum Belts.

July 24
at home all day.

July 26
ad & Pne went to beach 7:30 am

July 25
Sinclair came from Cambridge above
Moosehead at 3 PM while Hattie,
ad & Pne had driven to Kport.

July 27
Saturday I walked to the point in Am & on
the rocks here found pools of fresh
water similar to those at Cutler.
Of various sizes and depth & in all
of them even when close to other
brackish or salt pools the water was
fresh & good. Pne went again to the
pools & tested temp 70° down & took all
the water out & in a red bucket put it
all; but another similar pool was
obviously due to the seepage of water
from a near by spring: the whole
bank has a number of more or less
concentric springs & they appear in
a variety of conditions.

July 28
A North East Rain storm all day.

July 29
Monday Sinclair went to York at noon. Pne
with Mad to the rocks by bathing
beach. *Grinnia* *maritima* there

and a different form of *Buda marina*
fr. one at Eastern Point, growing too in
clefts of the ledges & not in much soil.
Liparis doesellii in young rank at the
old station near bath houses, also
Kabenaria laevis.

Aug 15
Thursday
Scituate

with Snelai & D.H. to Scituate. I.R.
got off a train to make those with
we kept on to Egypt station & then took
the Road to the Beach; explored small
wet place in pasture on right hand
side of road but this was barren &
a very young *Chocharis pubescens*.
we turned in to Ocean we leading to
the Beach & on top of the hill got
Juncus scirpoides & going on over
the hill saw on the right before us
a small pond on the side of which was
lined with various *Arthrochloa* on the
shore, got some more & discovered the
ground being of it. Went to the
Beach after feeding sparrows. Saw
various *Thalictrum*. Went to
the shore & saw *Arthrochloa* & *Arthrochloa*
in Scituate with us: got *Ficoides* in
plates by the road side; took 7:20
train home.

1901

Sunday
18 Aug

walked with U.D.H. to Randolph Turpin
back by the Reservation Road exceptive
turned off by right-hand path & came
out on Randolph Turpin opp Pakomet
Spring, a very good drinking place.
Got a very few things.

Sat
31 Aug

walk with M.K. to Beddeford Pool on
12.30. M.A.D. & H.K. to Marble-
head at 12.40 & on yacht Foam
to the Pool with the Keene &
Miss Swann: They are on
Tuesday morning Sept 3, having
been compelled by bad weather
to stay in Gloucester Harbor
over Sunday. Wednesday Sept
4 M.K. & I came from the Pool
to Gray's Inn Jackson N.H.
Fine evening when we arrived
with summit of Mt Washington
showing very clear. Gnaphalium
decurrens near the Inn

... & going
down nearly to Lower Bartlett; the
day was very warm; Solidago
& Squarrosa by the roadside. We
took the Thorn Hill road back thus
going by the Gray college, now
a private residence

There a few moments the two ladies showed us over the lower part of the house while we admired the view & the two Lombardy poplars, one each side of the road close to the house: below on the left are the houses of Dr Wigglesworth & Mrs Fitz both for sale. On acc of the heat we decided to leave Jackson & got the 3.45 for Whitefield & to Dodges Mt View house; two rooms vacated today were given us.

Sept 6
Friday

Day very warm but Millie & I played one round of Golf and in pm Mr Kendall came over in his new home truck & took Mr Jones, Mr Chase, Mr Dwyer & me for a ten mile drive round Prospect Hill, beautiful cloud effect of drive.

Sept 7

Just as we got home news came of the assassination of Pres McKinley.

Sept 7
Saturday
Sunday

very warm day. we did nothing but rest, called on Mr Kendall. cool day NW wind Ther 42°.

Sept 8

Millie & I started to walk & seeing a sign Lancaster 5^m decided to go there to dinner: so we were by Rowells Prospect Hill Turn

7
8

so to have asper some 7 or 10 miles.
 Dined at the Lawrence House &
 called on Mrs. Freeman a daughter
 of Lucy Crawford born the year of the
 Valley slide 1826; I tried to find
 if she knew of the whereabouts or
 existence of the record books of
 the old house kept by her father,
 but she thinks they were burned
 in the fire: she told me that Jack
 the botanist had very small feet,
 the smallest she ever saw on a man
 & easily got fixed on his mountain
 trips. She gave me the address of
 her elder sister Mrs Wm Hayes
 cor Hancock & Pearl St, Stanham.
 We had carriage to bring us back
 fr. Lawrence & av. home 4.30.

Monday
 Sept 9.

Mr Dodge drove M. me to the station
 & we took 8.40 to the Warrumbek at
 Jefferson. morning cold & smoky
 & we hoped it would clear. We
 left the Warrumbek at 9.40 & walked
 12 miles to the Ravine. No arriving
 at one o'clock. The smoky haze
 increased all the time & we could
 see nothing over 500 yards away.
 No mountains at all, and as
 M.K. had never seen the Warrumbek

1897.

1901

side of the range & was much disappointed. We took 7.30 train back for Appalachia station & arr Whitefield 3.45, Mr Dodge meeting us with carriage.

Tuesday
Sept 10

We remained near the Hotel all day mostly playing Golf with Mr Gordon Trembelle.

Wed. Sept 11

Left Whitefield 9.08 & arr in Boston 5.30, being 45 m. late.

Bourne.

Sunday
15 Sept

Spent last night at Emily Williams with Fernald & we left by 7.38 train for Cataumet on the Cape. arr 9.20 & went to two small ponds & then to Flax Pond a beautiful sheet of water in the woods. On its shores *Hypericum adpressum* & another new *Hypericum*. Walked to Cataumet station & on dry hill *Eupatorium sessilifolium*, *Siatris* & *Lepidogon angustifolia*. It was a fine warmish day with S.W. breeze blowing. We left at 4.57. Booked 6.38 & took 7.19 to Readville.

Biddeford Pool

- Sept 17 Came to the Pool in a heavy rain
Sept 20 . went with Capt Fletcher in the woods
Friday up "Bekeys" old home & got a few things
Sept 28 Had same in pen today over Sunday &
Sept 30 he & I went home on 9.30 am & mother
& Ma? came Wednesday Oct 2nd -

Camden, Maine,

went to Camden on the evening of Oct 7th
& returned Monday Oct 14th.

Hamamelis in blossom: brought down
seeds & what appears to be *Quercus*
sinuatifida, judging from London: it was
growing on the pond here: Saw also the
linear leaf willow on Dale at Roxbury
growing as a 4 foot & pine or other
apple like leaf, there were two very
vigorous trees

1901

Oct 20
Sunday

with Williams, Rued & Rich to
Winchester: visited Water Pond &
Round Pond & Top of Horn Pond Mt.
Got *Echinodorus*, & *Hemicarpha*,
Scopus Hallii, & *Rotala* &
Cuscuta arvensis; also small
Cassia nictitans with *Colydon*,
flowers on same plant. At Round
Pond *Andropogon scoparius* & *Stemodia*
peruviana, *Andropogon*, but not
peruviana; & *S. l. l.*

1901

Sunday
Dec 1.

Female came out & went through all
my canes from *echinata* 115 to the
end of the *straminea* group.

1902

59

June 11.

Walked down our land & across to the
Wolcott land in the Nepouset River Reserve.
The new leaf buds had formed on the
Sambucus and the old pods of the
Lilium Canadense in the meadow
attracted my attention from the
spout net work of fibres which
kept the cells from opening too wide
& effectually prevented the seeds from
escaping; the pods are upright
& the seeds must be ejected by the
wind lifting them from their hori-
zontal layers & blowing them out
at the open apex of the cells or pod.
Several pods had seeds in them,
but these were not laid in close
order as in the newly opened ~~the~~
capsule, but as if many winds
had tried to eject the seeds &
what were left were in confusion
in the bottom of the cells & might
perhaps never be lifted out. Above
place among the red cedars were
myriads of snow flurries on the six
inches or so of soft snow. These 35°
they appeared to belong mostly in
this particular region of Red cedars,
I have yet not fallen from the
trees, as none were on any

60
light colored felt hat as I walked
among the trees & none on the little
patches of soft snow clinging to the
trees; nor did any fall to the
ground when I shook the trees.
Also among them but in small
number was a four winged fly
7.5 mm long, probosces two of 3.5 mm
long & two ovipositors 2.5 mm long.
Eight segments in the abdominal part.
& a light colored fuscous band running
down the middle of back of the abdomen
with a dark fuscous ~~band~~ longitudinal
band each side. The snow flea is 2 mm
long over all, his two probosces are .5 mm
making his body 1.5 mm. I did not
see any among the maple trees,
in the swamps, only at the place
where there are many red cedars.
They quickly sought the shelter
of my foot & marks in the snow
& were lying there in black heaps
almost as soon as my foot had
left the impression in the snow.

1902

61

Feb 1

Canaan, Maine

Left Boston 1.15 yesterday with A.D.H. Jr
arr Rockland 8.35. Got two good rooms
19 & 20 at Thorndike House: at 7.40
this morning to Canaan by Electric car.
called on Mrs & C McKay - then walked
up the road to top of Mt Battie, some
frozen snow on Mt Road but none
in the village streets. Good view tho'
day soon became cloudy & cold.
On highway coming back - not what
appear to be Hemlock with
youngest growth on branches well
sprinkled with bright yellow resinous
dots & a bunch of dead leaves at
ends of the branches. No other
thrust in any sort of place. P.M.
Mr Andrews took us for a short drive
left us at Rockport where we took
cars back to Canaan.

Feb 2

Sunday furious storm of wind
snow rain & in the evening a good
strong thunder lightning storm. We
staid in doors all day. I read in
Delaware's Colloquia Escania.

Feb 3

Left Rockland 8.25 & arr Boston 4.45

62 1902

Feb 12 To Carlisle Pines with U.S. Boston
10 am Lowell 10.40 Left Lowell 11.25
Carlisle 11.43. Left Carlisle 2.16
Lowell 2.35. Left Lowell 3.03 via
Bedford Boston 4.20. Day
clear & bright Thu abt 20°. One
pine at least 100 feet high.

March 13 Day warm & spring like Ther 55° at
Thursday 6.30 a.m. Song sparrows about the
house. Blue Birds seen by Gal
last Friday near Paul's Bridge.
The Acer dasycarpum at Roxbury
corner of Warren & Maverly St in full
flower today & I never have seen
it so early before.

March 30 This remarkable March culminated
Sunday in a remarkable Easter Sunday.
P.M. walked in Haverway place.
Saw 3 flocks field mice, butterflies,
moths, checked adder, grasshopper
water spiders, frogs & hylax.
Day warm & pleasant.

April 2 Waked up Blue Hill with Chas.
Wednesday. Faxon & Alfred Rehder, got spec. of
the hybrid oak from Rehder descr in
Rhodora for May 1901. Saw first
Pescadore flycatcher, the Phoebe.

April 13
Sunday.

E. F. Williams came out & we drove to corner Recruit St & sent horse home, tracked to Bloodroot place but found none, then along by woods & ridge & brook to Green St again North of the now-Saul. Cabot place, then by Green St & Green Lodge Road to Fox Sparrow path & thence to Mr. Hemenways land. Here found one flower of *Potentilla sumula*, & *Equisetum arvense*. Then home thro' New. Land & to Hayward.

April 20
Sunday

E. F. Williams came out 8.15 train & we drove in Reservation to the Park place near Chickatawbet & by Bouncing Brook path across Never Free brook out to the back road of Branntree & thence by that road to the Reser. road over Chickatawbet to Randolph Furupike & home by Hillside St round Blue Hill. In a warm exposure on path near Never Free brook *Viola fruibriatula* Smith in flower, also two large bushes of *Kalmia latifolia* near the brook, *Caryx umbellata* & *Pennsylvanica* large enough to id. easily. on Chickatawbet road a beautiful *Viola blanda* in full flower and very very fragrant. Heart-leaved *Pand. racemosa* minor in flower.

1902

May 11
Sunday

Drove with NWK over same route
in BKR as with E. F. W April 20.
Rumex cuneata + *Viola pubescens*.
Got fruiting spec of the *Viola*
blanda on the Chickatawbut
roadside E. of the new place,
same place as with E. F. W April 20.
The red spots on the stem & large
pods make me put it with
alsophila of Greene tho. These
characters are not constant,
its very much mottled + spotted
even notes are noticeable —
distinguish it from *Viola blanda*
of wet places.

1902

May 21

In town 6.19. at Bass Prinky Place
station met Geo Crocker, Will Richardson
+ Wth Munroe & we took 7.04 train to
Warren: pair of horses, open survey
Crocker drove us thro. Brimfield to
Kohlarud, second team with two
men following took car of four
horses & we ate lunch in
pine grove: met the minister
Willis. Drove on again round
Reservoirs Pond into the town of
Union in Connecticut & back
again into Mass. the town of
Wales & onto S. Brownson

67
on the New London branch of the Central
N.Y. RR: took train by Palmer had
dinner in the RR restaurant, left
Boston 9.04. Arrived 9.15. alt.
30 miles drive. Saw the country at
its best. It was the culminating
day of a fine Spring. Sunny,
breezy, cloudless. Got been her
Monitis exilis at So. Worcester
but went too shyly on the
road to collect.

Sunday
25 May

All. with E. F. W. to Green Lodge road &
home thro. Hemenway land. Day cloudy
& warm 78° - Did not find any
Streptopus roseus which we went
out to seek. *Clintonia* in full flower.
Damp & muggy day. Dr. Kyle here.

1902

Crocker
Maine

July 1st, 1902 left the ...
with Williams, Arnold & Collins.
Arr East Machias on train 7.05 this
morning. In slightly rainy weather
I drove to Crocker we passed in carriage
& trucks following ...
left ...
got ...
with ...
plants also; ...
out from the rain. Ther 54° at 3 P.M.

July 2^d

Up early 4.45 & changed dress & put
them in the bright sunshine. After
breakfast ...
beach & found a few specimens, one
on the ... bluffs near by the hill
was blue with it so we got an
ample supply. Noted the peculiar
petal, short involucre reflex &
with an apiculate point or awn.
On the ^{marshy shore} ~~beach~~ by the bridge got
Stellaria humifusa & *Triglochin*
palustris. Found the large *Poa*
domestica near the Lois Beach
Other Corbett thinks it has been
measured by the old fish debris
from the lobster pots ...
since its vigorous growth.

3
7

Found two non flowering specimens of *Sagina nodosa* here & one of *Mercurialis*;
Euphrasia Raudii was plenty in the grass in little hollows of the bluffs. A very deep humus soil, rather skiffly spongy seems to be common on these rocky bluffs: The shore is certainly wildy rocky rough.
 One spec. of *Taraxacum officinale* var *palustre* with remarkable scaly involucre found.
 We came home to a two o'clock dinner & put up plants in pen.

3 July
 Thursday

Highest Ther today 72° - 58° at 4 P.M.
 Fine warm evening with every appearance of a hot summer day. Capt. Arkley came at 7:30 & we drove behind a large framed good white horse 15 yrs old to Bog Brook on the back road, 2 miles.
 On roadside *Botrychium simplex* - *matricariaefolium*, & *Veronica* the very small form: these in a grassy moist field to side road: soon we came to a large patch 150-200 feet square of *Pteridium floribundum* the largest patch perhaps in America as far as I know - in fact I saw it came there two years ago in a patch as big as a room, this species is in

Collins took photo of the field with us in it.
 We had lunch on arrival at Bay Brook &
 it was well we did for the garrison
 men, brought their first drop, soon
 & it rained hard all the afternoon. We
 walked down the East side of the Brook
 to the small beach & rough cavernous
 rocks at the sea shore. Got *Carex*
crinita near summit, *Equisetum* (?
littorale) *Lalhyrus palustris*,
Elymus mollis, *Solidago macrophylla*
 new to the Maine coast. We climbed
 up the cliff to the grassy meadow
 above *Calamagrostis Canadensis*, &
 struck for Horse Pond in the rain.
 I did not see the wall of stones we
 had been told was built by the
 horsemen. It is in the distance
 as rather a roadway of round
 round stones different from the
 cliff rocks nearby. I surmised
 it might be an artificial roadway to
 take the hay loads down to the shore
 for shipment before the days of a
 road inland between Cutler & here.
 We found the haying road out & followed
 it (rather blind at first) always in
 open burnt country & meadow &
 on west side of Bay Brook, to
 the horse frame. ✓

1972

July 4
Friday.

We walked by Bowley alley in wood path
 to little boggy pond (Hotel Pond).
Eriophorum gracile (the real) & also
 var *pauciflorum*. *Carex Magellanica*
limosa, then over the hill to the
 Mill road to pond & saw mill &
 followed the brook to the salt cove
 at Bridge & home by the road.
Hellaria humifusa, *Carex maritima*
 & *norvegica* & a *Ranunculus* *Cyath.*
 joined in its roots to a *Galax*: this
 Collins photographed in the pen
 then I pressed it. A curious
 prostrate *Juncus* like *repens*.
 Also *Botrychium simplex*.
 We came home to lunch thro the
 town which was well filled
 with people for the 4th July sports.
 Horse race, Antique & Hornale process.
 & a Base Ball game between West
 Luber & Cutler. The day was
 clear & fine, cool wind, then 7^o
 pm we staid at home caring
 for plants & at sun down
 witnessed the "Blowing up of the
 Maine" a brilliant fire on
 a float in the harbor ending
 with a bomb report.

July 5
Sat.

With the old white horse with Mr Trim
 as Guide we drove 4 miles out on the
 Whiting Road to Hammock Heath
 a big sphagnum bog with scant
 growth of sponges & low bushes over
 it, abt 1/2 mile across. Here we
 found Rubber Chamaemorus in
 young fruit & some few flowers.
 the peaty sphagnum was dry to
 walk over & my Rubber Boots were
 a burden. The plants were all
 buried in sphagnum & the Sarracenia
 looked green but vigorous in the
 soft bed. Eupatorium & Vaccinium
 vitis Idaea, Scirpus caespitosus
 Sumbacina trifolia. We came
 back by 12 o'clock & after taking
 care of our plants & heavy dinner
 took row boat with Capt Akeley
 to the Light House Island at
 entrance of Harbor. Sedum Rhodiola
 was very plenty on the rocky ledges
 & in the little runway under the
 bridge fr. the light house to the Top Bell
 was Montia which completes
 the record & all the Mex Desert
 Arctic Flora is now here. We
 also gathered 1300 Euphorasia
 Ruedii for distribution

Capt. Akeley
 #2 ...
 for Presses and all nice ...
 S. F. W.

Jv

took several of the little *Plantago* were quite ripe. We came away at 5.30 after admiring the beauty of the shore & sea, I never saw its equal for a beautiful sea shore spot.

July 6
Sunday

Morning I walked in the woods back of hotel looking in vain for *Pyrola minor*. Mr & Mrs F. S. Collier came by 11 o'clock & we had an early dinner & all in two boats to the other shore & Western Head. There was more wind than yesterday & they soon landed us on the other shore & Williams & Fernald got off too & we walked the edge of shore at one place plunging thro dense spruce thicket. A small damp swamp at one place & just before the Head which is an island at high water I got *Carex canescens* the real thing. The others all crossed the wet seaweed to the head but I had Capt Ackley's in one of the boats pull me across the entrance to the harbor by the island to the other shore & I came home thro the woods & village. The others on their return had not added anything new to our list.

202/1902

July 7
Monday

Mother Collins went off to the store -
the rest of us struck for Long Point & after
passing East house thro a cedar swamp to
get to a high ledge of rocks, but the
path did not bring us out there &
afterwards Fernald went alone & we
came back home. He found *Betula*
cordifolia & *Lycop. annot. va. pungens*.
We came home to dinner & he soon
joined us: & then we made ready
for our departure. I have Fernald
& J. F. Collins to Machias & E. F. W. stay
a few days more at Castler. I drove
back to Gardner to East Machias
where we had a not-very-good supper
& took train at 8.21. I reached
Boston 7.25 am & home 5.07.

9.9.11. M.T. M.W. F.A.B.

11 July
Friday

By Boat to Boston last night arrived here 6 Am: very quiet night. I walked up the road towards the cemetery & into the woods at base of the ledges. Was surprised to find so much *Abies viridis* & took several other things & some ferns.

12 July
Sat.

with Mad & F.A.B. to the shore above the shipyard & out by the cottages in the woods & so by road to Belfast road. On shore a very stout *Poa*, reminding me of the *Cuddelet Poa*, but with a strongly compressed culm. Took several specimens: also in the wood dug up some good *Fern* specimens, which I carefully pressed in P.M. At 4 o'clock Miss Sarah Crocker & Miss Prince came to call. They are at the New-Samson Hotel & came by Trolley.

13 July
Sunday

Got up early & at 6 o'clock went down near the Christian Science Church & brought back some *Galium mollugo* I saw last evening, also one other variety & a running vine with soft. Long petioled leaves reminding me in form of *Malva rotundifolia*. Day felt a bit hot. Ther 80° in shade.

17 - 1902

July 17.
1902
Thursday.

Left Boston 1.10 yesterday: arr. Rockland
8.35. Had Mads + TA B in the same
came to Candor by Trolley.

Today with Mads part way up the
Mt path. Collected a few things, but
found the rocks + grass very slippery
for my boots. Came down to the woods
at base of the Mt on east side. Got
some *Phlegopteris polybodioides* very
elegant specimens + *Viola rotundifolia*.
P.M. We all drove to the Golf Links
on Calderwood Ave having heard
Cyrtopodium spectabile was here,
I found two good specimens of which
I took one. Also *Carex Magellana*
skunkia, + nearly *Rhynchospora* + a
few other things. On the Mt this Am
Aphyllon uniflorum

July 18
Friday.

Left home at 6 AM with Mr Andrews
to the Big Swamp by Golf Links where
I was yesterday but went across it
coming out beyond Mr Lutter's house
fall the telephone pole lane +
branching off here + there. Several
good spec of *Cyp. spectabile* tho
most of it had gone by. Also
Petalites + a very large leaved
moss: got home at 11.30 +
am taking some plants:

July 19
Sat.

few showers in afternoon - Mrs. Barron came
All in Rowboat to return the Dollber's call.
PM We all drove in two carriages to
Rockport & returned by Calderwood Lane.
Morus alba, *Adlumia cirrhosa*
Habenaria hyperborea, & what I
now call *Hesperis*, a much broken
large thickleaved crucifer.

July 20
Sunday

Dull & often showery day. Walked a
short piece up the rut path in am
but foggy rain sent me back.
Potentilla tridentata. PM at
4.30 with Ma & to the river bank
near woollen mill & crossing a
log bridge took path thro woods
to road near Iron factory. *Delib-*
bona repens *Streptopus roseus*
& a beautiful wood bush

Canada
Aug 7.

Came here by Boat - for Boston way.
at 7 this AM. PM took electric
to Rockport village & walked out
a mile down the Beauchamp Point
Road exploring the rocky woods where
I found *Adlumia* when here before.
got several things & pressed *Viola*
pubescens & a leathery leaved *rotundifolia*
Equisetum hiemale *Osmondia cinnamomea*
Pteris aquilina *Pteris macrophylla*
five large *Solidago* *Symplocos* three

76 1922

- Aug 8 With Ned & Karl to the woods -
back in the ice pond & I saw
nothing particular. Rain in P.M.
- Aug 9 In P.M. we all drove in Bucktown
round the mountain & out to the
at Lincolnville Beach & home by the
River. collected a few things; *Epilo-
bin stratum* & *Naben. psychodes*.
- Aug 10 Walked to the P.O. & in vacant lot
Friday saw a dozen or more plants of *Lactuca
Scariola* took one & as I do not
find it of record in any Maine list
shall collect more when it is in
better condition.
- Aug 12 Walked to the Steamboat wharf & at
head pit in little fresh water ditch
got a *Scorpus* with long spikes
familiar the ordinary. All across
street to village two good *Juglans
nigra* trees in fine fruit, about
30 feet high & spreading rather
than ascending. Another patch
of *Lactuca Scariola* behind Mr McKays
paint shop. Rain began at
10 o'clock & I came home.
went to Boston by evening Boat the
City & Rockland.

Aug 15
 Ave for Boston at 6 AM by the City & Bangor. Walked before dinner in the woods near house & on to the pasture above Ausden's house & so to Belfast road & into the field again opp wharf St & so home. *Haberaria hiduntata* & in pasture a *Gaylussacia* not yet ripe but with plenty of green berries. PM rainy.

Aug 16
 Saturday Fine clear day. AM went to ditch near steamboat wharf & got specimens of the *Cyperus* growing in the wall of the ditch. PM walked up Mt Battie with M.A.S. L.R.W. & Miss Dickey who came last evening. A very magnificent view. In boggy place on top got *Eriophorum* & noted how late some bushes of the *Gaylussacia resinosa* were in fruiting, having still young green fruit. Pressed some dozen or more things.

Monday
 Aug 17 AM took to two places at the Cape & high hills there. PM to the ^{1st} swamp: got *Calluna* *Sedum spectabile* in fruit & *Solidago angustata* what may be *maritima*.

Aug 18
 Tuesday Went home with Mrs. Barron

Camden
1192

- Aug 30 Arr this morning by Boat. J. C. Rand on Boat to going to North Haven.
- Sept 1 Walked to Sherman's Point & collected a few things.
- Sept 8 Home on Boat with A. D. H. fr who came morning of Sept 6, & also with Snelain who came Sept 5.
- Sept 12 Arr in Boat for Boston.
- 13 called on Mrs A. L. Crockett & saw *Adiantum pedatum* in her herbarium.
- 16 Came home by train

Nov 12 ^{Nov 10th} left Boston with Hal 8:30 arr Adams. 2:15 via Pittsfield. Had Trans (pair & man) & arr Savoy Hollow (B. Savoy) 8 miles by south road thro part of cheshire at 4:20. Hotel kept by Mr Barber. Next morning the 11th drove 1 1/2 miles to the Mellors on the Chelmsford road. Found in woods two *Planorbium* like those from perhaps *dentriculatum* both in fine fruit. After seeing Mr. M. Drove back to Adams to 12:30 dinner took 2:00 back to Pittsfield, spent two hours walking about the beautiful streets & took train to Adams (30 min ride) & arr B. 9:40.

1903

April 21 Fine warm day in Purpabony, but cold North wind elsewhere.

Chas E Faxon & Walter Faxon came on the 10.15 train. We walked down

Sept. 25. 1902

Consider (Me)
Black Walnut Tree
Mr Frank A Uphams
door yard. near
Hoswiler Pond &
3 1/2 miles from the
village.
This one of the first
seeded places in town
David Harrington
first owner.

at 4 ft fr ground
growth is 10ft 4 inches.
spread 74 x 70 feet
height estimated
at 90-100 feet.

The white notch is
7 ft fr. the ground
& is a staple banded

Swallows,
Roadway
to the
to the
pale in the
ten to the
in the
embankment
& none
less in bloom.
- Dedham
2 some up
ill 5. 19

1903

April 21 Fine warm day in Fairport, but
cool North wind elsewhere.

Chas & Faxon & Walter Faxon came
" + 10 15 lbs. ... down

With white cloth.

Tree forks at 10 feet
with two very large
upright ~~fork~~ branches.

Mrs John Boardman
is also an upstream

Mrs Frank a upstream
Midwin Heights
Camden
Me

See photo &
article.

Mrs Parson's
Book on Ferns
abt the Bringle
at Wellcamp
more glabell

1903

39

April 21

Fine warm day in Lexington, but
cold North wind elsewhere.
Chas & Fay on Walter Fay's car
on 7 10.15 train, we walked down
the track to Green Lodge, Swallows,
& then by Washburn Roadway
to Dedham Road & into the
fields just beyond & to the
hemlocks: fine *Jupels* in the
fields. Lunched & then to the
Big Spring, searched in the
wet mud below the Hemlock Grove
for *Petasites* but found none.
Coptis, *Caltha*, *Proletia* in bloom.
Home by 3.12 from Dedham
Road Station & they came up
to the house & staid till 5.19.

1903

Wellsborough Vt

Tuesday 29th

Sept 30
Wednesday

Left Boston 10 AM with Hark
ma & Sinclair & avc West Burne
at 4.35. Will met us with
Fearn & Mrs. were at the lake
before six. Mr & Mrs Crane
of Somerville, the latter Mrs Richards
sister the only guests. Toked
early after walking a bit on
the moon lit piazza.

This morning have walked on
lake road. Ma & Sinclair to
Roaring Brook, Hattie & I to Echo
Rock. Took half a dozen photo,
the day being exceptionally fine
after a rather cold night.

Quite a slide on Mt Kos - first
place in Aug last. I am
sorry to see the base. This base is
not as plentiful as in June 1901 &
I am afraid is doomed to extinction

PM we all went to the ridge in
pasture overlooking Little Pond & the
Bog while the others luxuriated in
the brilliant sunshine I gathered
Dyopodium clavatum & *Complanatum*.
specimens of the *clavatum*
has for one to five branching
pedicels per plant & of the
complanatum from four to seven.

of the complanatum there was no regular
~~type~~ ^{type} monostachyon growing on plants
 with polystachyon habit: also a
 sterile branch in two instances
 was growing ~~grew~~ out of a fertile
 pedicel.

In complanatum a proliferous
 apex to several fertile spikes
 was new to me, & these shoots
 had leaves, unlike either the
 sterile branches or the bracts of
 the fruiting spike. These growths
 varied in length, in ^{only} one case
~~only~~, fully as long as the spike.
 The appearance was very singular.
 We searched for the fragrant
 fungus but could not perceive
 any.

Oct 1
Thursday

Day cloudy, after yesterday's
brilliance, but hardly any rain
fell till after dark. Mattie
remained at home, but Ma &
Sicclair & I to Cold Brook path.
Careful search revealed none
Vacc. Viti, Idaea, but growing
in a very straggly way as if
attempting to live in spite of too
much sunshine & dryness of soil:
however it covered more area
than in June 1901. Found a
Mitella nuda in fresh young
flower & pressed it.

Mr Sicclair & Ma & I walked to
Westmore & back, I started out
later & met them abt. a mile
beyond Roaring Brook. The road
has been mended at the drinking
trough at Roaring Brook & an Iron
rail put up on a good granite
wall on the lakeside. Found
Verbascum phloxoides & a reddish
Ragwort wh. I shall send to Collins.
Chrysothemis in full flower & Equisetum
scirpoides in fruit.

Oct 2
Friday

93
Revised of yesterdays plan. & then
went along by the swoggle & with Sinclair
to the spring & back to dinner by
the new corduroy wood road thro the
wet woods below Sule Pond Bog.
In P.M. we all went to the Pasture
Ridge & sat awhile in the Sunshine
& then invited mother over the
spruce log fence & thro the woods
to the above Corduroy Road & so
out on the Highway & home, thus
giving mother a sight of the
beautiful woods below the
Sule Pond Bog.

Oct 3. We all with Mrs. Richardson
Saturday partook of Sinclair's Camp
Dinner at 12.30 at the end
of Coed Brook path. I took a
dozen snap shots of various
portions of the scene. The cooking
was excellent, the day fine &
the views of lake & cliffs grand.
after coming home & west-
out on Mr. Foxon's Knoll & gazed
about & thought of the Hermit
Thrush & finally gathered some
curious Lycop. compl. & so home
at Sun down.

The leaf of the Fir Balsam has no evident petiole or pedicel, the round foot of the leaf leaves a distinct scar on the branch when removed, but nothing like petiole of the spruce leaf: and yet the petiole of the spruce leaf is no petiole at all, as it does not belong to the leaf, but to the bundles of branch structure, being an evident apex of such bundle.

The leaf of Fir Balsam is also softer & less sharp, pointed than the spruce. When spruce leaf is pulled off it often breaks down & brings away part of this fibre bundle constituting its apparent petiole or stalk, a fir balsam leaf never breaks the surface of the branch, it simply leaves a scar.

The leaves of the White spruce are sharper pointed than the Red, & stand more square on the branch, hence feeling sharper, the red spruce leaves have an inward curve which makes them feel much softer

when pressed in the hand, & this altho the Red Spruce has a more squarrose petiolar base to the leaf than the White Spruce.

THE WINTER OF 1903-1904

The winter of 1903-1904 will long be remembered both on account of the large amount of snow which has fallen and for the low temperatures which have been experienced. It has proved to be a so-called "old-fashioned" winter and, certainly, it will tax the memory of the oldest inhabitant to recall a winter with a greater snowfall or a longer continued period of sleighing.

At the Blue Hill Observatory, during the three winter months of December, January and February, 83 inches of snow have fallen. During November there were 4 inches, and so far in March there have been 6 inches, making a total, from Nov. 6 to date of 93 inches, or nearly 8 feet of snow. This is the largest amount yet recorded in any winter since the establishment of the observatory in 1855, and is more than twice the average depth of 45 inches, the fall during January, alone, being 48 inches. Other snowy winters fall far behind 1903-1904 in snowfall, the next greatest depth recorded being that of 1803-1894 when, in the three winter months, 64 inches fell. 1886-1887 follows with a total of 62 inches, while 1902-1903 has a record of 61 inches. 1903-1904 also holds the record for the number of days on which snow fell, having 27 to its credit when one-tenth of an inch or more fell, and 10 days with less than that amount. This winter is closely approached, however, by several other years in this respect, there being 26 days in 1886-1887, 25 in 1887-1888, and 24 each in 1802-1893, and in 1900-1901, when one-tenth of an inch of snow fell, the average number being 18.

During this winter snow has covered the ground for a longer consecutive period than ever before recorded in this vicinity, during a period of twenty years. In December, from the 24 to the 9th, the ground was covered with snow varying from 1 to 4 inches and good sleighing was enjoyed, while from Dec. 26 to date the ground has been constantly covered, the amount varying between 4 and 24 inches. The maximum depth of 24 inches was recorded on Jan. 9 and again on Feb. 15. At no time between Jan. 8 and Feb. 29 was the amount on the ground less than 13 inches.

Not alone in snowfall has this winter distinguished itself, however. While not the coldest on record yet it takes its stand among the coldest, being the most severe since 1875.

The cold weather began to evidence itself early in November and has continued with few interruptions until the present week. November as a whole was not an extraordinarily cold month, owing to a very warm period during the first week, but the latter part evened things up by being from 10 to 20 degrees colder than the average for that time of year. December proved to be the coldest December since 1890 and January turned out to be the coldest month of that name since 1833, while February, not to be outdone by its predecessors, kept up the good work by being the coldest February in nineteen years. The average temperature for the three winter months has been 29.8 degrees, and this has been exceeded only four times in fifty-five years, 1852, 1803, 1873 and 1875 being colder. 1803 was the coldest winter in this vicinity since weather records began to be kept in 1849, being about 2 degrees colder than this winter. January, 1857, is the coldest month on record, the average temperature being 12.7 degrees or 5.8 degrees colder than January, 1904.

During this winter the temperature has fallen below zero fourteen times, the average number being five times.

On Jan. 5 and 6 the minimum temperatures of 32 and 28 degrees below zero were recorded at the Valler Station of the ob-

servatory in Readville. These are the lowest temperatures on record in this vicinity.

There has been somewhat less than the normal amount of sunshine. The wind velocity has not been unusual and there were no very severe gales. The wind direction was chiefly from the west and northwest.

L. A. WELLS,
Blue Hill Observatory, Milton, Mass.,
March 9, 1904.

1904

April 13

Sent Pres Brainerd
2 sheets Mill vt violets
2 " " " Potamogeton
to name.

April 14

Left Boston 10.10 with A D Hodges Jr for
Wayland: walked by direct road
7 miles to Concord; cold raw
day & instead of getting better
we had two snow storms, in
one of which near Walden Pond
we ate our lunch at 1.30 standing
in the fast falling damp snow.
Home fr Concord 3.16 train.
Salix kristis in early fl & lots
of blue birds: the bright blue
of the bird against the blue black
storm cloud made a picture.

April 15

Sent Oakes Ames
my Mill Corallochiza the
curious regular one & my
Isaetes & Botrychium
to name.

April 15

Rec'd from A. S. Hitchcock, Washington
the Melloughby Agrostis sent
him a few days ago.

1904

23 April Fine day. accepted Mr Perittson's invitation to join moss chapter in walk to Prospect Hill Waltham. Collins came fr. Providence at 9.19 we took 11.19 train in town + 12.24 to Riverview. about 25 ladies + 4 gentlemen, the above 3 + Mr Huntington of Amesbury whom I was glad to see. The ladies included Mrs ~~Clark~~ Colapp of Dorchester, Mrs Stevens the daughter in law of Brookline Miss of Framingham + others. Got the commoner mosses + Huntington fixed *Hypericum chrysophyllum* which I then collected.

Mr. Huntington gave me *Campylostelium saxicola* from Amesbury.

We got 5.27 train home + 6.27 to Bradville.

May 3
Purgatory
Faxon's

met C.E. + Walter Faxon on arr. of 9.15 train + by Winslow place to Green Lodge. Sent Wm home + raked thro' Washburn's to Kenlock Grove + Big Spring where lunched. Day brilliantly warm. Ther 80° + we enjoyed every moment. Brought home "Greens" of *Coelha palustris* + also Water-Cress from Spring brook. Saw Brown Thrasher + the Faxon's heard others. Wm came for us Deo ham Road at 3: N.F. went by Elm C.E. + I staid to dinner

RE 1904

Lexington & Burlington

10 May

with C. E. Faxon 9.09 train to Lex. where Walter F. met us & we walked towards & to Burlington: had our lunch by Cold Spring in pasture meadow & then by a wood road back to Revere & Lexington going by Mr Simons ho. an old residence. The wood road came out on the Bedford Road just beyond Simons Ho & close to Brook. We had already passed a lone friable ledge where Red Earth or stone was once ground for Red paint. We turned down Revere St to cross Davis Hill near the Golf Links: Fire had gone over the hill within a week & we did not get what we were looking for i. e. *Silene Pennsylvania*, but did find *Ranunculus fascicularis*, which I have not seen growing at Lexington since 1863. We had a delightful day after yesterday's rain. C. E. F. & I dined at South Station & home 7.15.

1904

89

15 May
Sunday.

with Sinclair & Mr Clayton to walk in Blue Hills: by Reser. Road to notch in Hancock thro' that path till turn to the right & came out on the newly located road to run for miles to Crossman Farm: the trees being mostly cut for the whole length of the road but no surface graded or even touched, we walked along it to the Crossman Pines & so home by Boundary fence & out behind Holcott: many fine *Viola pubescens* & *anemone*, both will be right in line of the new road. The day was cold with a misty East wind but good enough for walking.

17 May
Tuesday

Lexington & Burlington -

Took the 9.19 train but C. Faxon could not go: met Walker Faxon at Lexington station & we took same walk as on the 10th only in reverse direction. We had in view particularly to see the prostrate *Juniper* again, & we found the pasture after a little aberrant

90
wandering in the Scrub Oak of
Burlington: after studying the
forms at home I expect it is
not *Sabina procumbens* but
a fastigate *Virginiana*. We
found white *Viola pedata*
white *Rhodora* + a few petaloid
Anemone nemorosa. Tony, a
little black spaniel dog, that
often walks with Mr. Faxon,
though not belonging to him,
went along too. We crunched
over some meadow + spring,
+ after getting back to the
village strolled into the
ancient cemetery + then to
Mr. Faxon's house, where are
most of his Shakespeare Books.
Home by the 5.10 just as rain
began to fall.

1904 Willoughby Vermont.

23 May Left Boston 10 am with Hook & Ma J. we went Burke 4.33 & as it had begun to rain Will Richardson got covered carriage fr. stable & we rode up in that with driver while Will R brought trunks. Mr Hall & his son fr Lyndon here for the fishing.

24 May with Ma J to Picnic House & 1st slide. I went to base of cliff & found *Saxifraga oppositifolia* in fruit as in former years. We came back thro the woods & I found 3 plants *Discia palustris*, also on cliff 1st slide a pure white *Primula mistassinica*. PM we went to Marl Pond & Bag: *Rhodora* in bud & young flower. fall. new last winters lumber road to brook & bars at foot of Miss Cobb's view pasture. fine *Streptopus roseus* & *Prunus Pennsylv.* and very large catkins of *Salix lucida* & on roadside by Big Boulders, small staminate pl. catkins of same (*lucida*) New cut out Newlock lag trough at the snozgle. after coming home I to the wood following up the Barn Brook & found a 10 or 12 ft fall coming over the ledge & several interesting

looking mosses on the wet rocks & old logs & branches. I staid exploring abt there for an hour or more, for where *Myurella Careyana* is found one expects other good things.

25 May

We waked thro Sugar Grove behind the house: I never saw before the mountain path changed into a heavy brook coming from that little spring we usually drink from before begining the ascent. PM I waked by short wood road at West corner of Farm, but it soon ended & I followed a small brook into Cheney place & then hastened home on acc of rain wh' continued all day & all night.

26 May

We waked to Echo Rock & back. *Vitis* & *Idaea* still recceivis. *Chrogeus serpyllifolia* in full flower. Not over half a dozen *Orchis spectabilis*. Got a few mosses & a curiously large *Barbula fortirosa* like.

PM to the ridge back of Hotel & then downe the road & into the Little Pond

Boq. where *Amelanchier algaropsea* & plenty of *Kalmia glauca* in bloom.

Friday
27 May

Am to the woods opp the house went up Laundry Brook to its source, on a large rock collected what may be *Uckera complanata*, also some *Myurella julacea*? & *Rhacomitrium Ludibium*? a fine moss place up there.

P.M. went down the road to pasture & brook near Golf Links & found more *Equisetum pratense* & have sent some to Eaton. Also *Cyberes. pubescens* & *Prunus Virginiana*: searched the cedar swamp near the pasture for any *Saxifera* but saw none. A cold windy but fine day for the woods.

Saturday
28 May

This Am walked to Lake shore beyond Roaring Brook on the Lake Road. About 100 yards this side Roaring Brook found what appears to be *Antennaria plantaginifolia* not on my list — The *Eucalyptus* seem to be in fine shape & I shall try to find a set of 50 or more. Searched for *Cyrtopodium arictium* but without success.

94
I then went down the road & beyond
Sally's house entered Listeria Swamp,
after much search in debris of
cedars & other fallen trees found
Listeria Spring, but it was a
sad sight: the Spring boxed in
a wooden cage & in it a dead
jumping field mouse & a dead
frog. My heart was sad to
look at such a sight & compare
it with the same spot five years
ago. I crossed the swamp bearing
no longer a cedar swamp &
came out at lower end of Colby
pasture. Came home by
same route as yesterday &
dug up some *Equisetum*
pratense in field, got also
a baby *Ophioglossum vulgatum*
but could not find another.
picked some of the rose not
yet in bloom in Phillbrock, pasture
near the old cellar (this not on
my list) and on the highway
found *Aureolaria* *Canadensis*
wh. we omitted from my list
because I had no specimen; prob
I shall get first all I listed
on my cards & in blank books.

1904.

95

Sunday I very wonderfully fine sunny day,
31 May a grand drying day. After renewing
all my nets cracked to & fro, slide
and part way up & after dinner
to the corner of Mrs Richardson's farm
by the Cheveys where is quite an
Equisetum patch & then thro the
woods by all the Springs & brooks to
the Swizzle drinking place to home.

Monday walked in am to Hall's house had
3rd May. back with him abt Oil Cedar & to
the further side of Salt Pond & Brook
coming off Wadia ridge in the Brook
sackure.

PM went along Lake road to the
back & back: got several varr
of Fragaria & also some others
for carry home, nothing new except
a rose evidently come off the
cliff with Astrogalus & Carex
Scorpoidea - but instead of stems
unwoth like blanda it has a good
supply of prickles, but the foliage
looks like blanda.

1904

The Country to the westward

31 May
Tuesday

We went out to the pit hole a short distance beyond. The Clematis in full flower, but no yellow *Lythrum* in the woods.

We with Will R. drove the road 1/2 mile to the Cheney Place & while Will fished the brook I explored the field & adjacent Cedar Swamp: got *Taraxacum* in the field & we found the *Calypso* that Will R. had noted the other day while he was fishing, with Mr Ball & Segawa. We also found two other *Calypso* & while on way to Scopus Bay found *Sium lacina trifolia* in plenty on one sphagnum covered mound: this has not been seen since Churchill collected it somewhere near the H Bridge & so not far from this present place. Then after considerable inquiry of Mr Hopkins who has lived on the farm now some six years we found the old old Cedar Swamp path, now more a trail than a path, overgrown overhead but in most places discernible under foot that leads to the river & to the Bay

that Mr. Faxon, E. & W., I named Scorpiodes:
 we found it at last an opening some
 to eighty or one hundred feet before we
 reach the brook opens into a grass
 spot ending at a pond that will
 recognize as one we had passed
 half an hour before. The Lonicera
virgata was in bud; but
 in the well remembered wood I
 got Asplenium Scorpiodes in fruit
 & gathered eight paper bags full.

On our way home just before
 reaching the Fair Bridge I saw a
 plant growing plentifully by some
 stones thrown out of the woods
 & saw it was some Urtica
 I know to my McLaughly list.
 Will got some 13 trout in the
 trip —

21 98 1904

June 1.
Wednesday

A rainy night & cloudy threatening day.
Took care of yesterday's plants
& mowers from Scorswolds Bog.
Then went over to Cheney
corner of Mrs Richardson's land
& got some of the *Equisetum*
there for study at home.
P.M. packing &c for our
return to Boston tomorrow.

Thursday
2 June

We all to WR Junction by 11.30
& after dinner at station to
F. S. Alders & I home by the
2.43 express. Ha & Mad re-
mained over night & came
home on 3.30 next day.
Found in F. S. A's yard
what appears *Rumex*
Patentia sent her from
New Jersey & spreading
now quite rapidly.

June 12. Hattie & I drove to Melton Pool
Farm, Mr. Sandford in charge &
then thro Col. Russell's, over Chick-
atawbut & out by the Braintree
wild road by edge of Reservation,
Braintree Pond & thro Reservation
to Killside & round So side Blue
Kill to Canton and home.
very cool fine June day.

June 15 Lexington & Burlington
By 9.09 train with C. E. Faxon &
Alfred Rehder to Lexington and
Walter Faxon met us at train.
We walked by road (Hancock &
Adams St) to Burlington; in the
brook by old sawmill handsome
Ranunculus melancholyllus and
Callitriche heterophylla; at
our lunch place by the cold
spring in meadow got some of
the Caryx gathered 3 weeks ago
when young, & I think it may
be *C. siccata* - Not far
along the road from this place
we turn in to the left & by a
cart path thro a wet pasture
come to the *Juniperus horizontalis*

which Rehder decided was a peculiar "Virginiana" but its fruit or "recurved peduncles" must make one look for other distinctive characters: the strong odor of *Sabina* var. *procumbens* was wanting in this specimen so that may be after all a noticeable feature. We kept on thro' the scrub to the Pine woods or wet pasture & had our lunch there. A small & almost capillary *Carex varia* & *Myosotis laxa*. Then back to W. Faxon's woods over Davis Hill; a peculiarly long leaved *Carex Pennsylvanica* & another *Carex* like *muricata*.

I took along with me. As Rehder had never been in Lexington we after a short stay in W. F.'s library visited the green & the Town Hall to see Sandham's picture of the Battle of Lexington.

1904 Brandon Vermont

July 12

Came here yesterday with H. Mat via Keene 11.15 to 5.10. Fine met RR cut near Westminster Mass to examine. Scenery not so fine on the Rutland RR betw. Chester & Holly Summit as I had been led to suppose.

The marble cropping out in pastures looked very new & strange & Rutland & Proctor were all devoted to the trade. We are at the Brandon Inn rooms 49, 50 & 51 very comfortable walked after supper along the main street beautifully shaded with double rows of maples: houses improved very neat: wide roofed old-fashioned cottages, the rule, with one very steep pitch narrow roofed cottage. Evening high very warm & still we remarked the absence of mosquitoes out doors, tho all our rooms were well screened.

102
13 July.

members of the U. Bot Club began to gather at the Brandon Inn at noon, & Pres. Brainerd & Prof. Morse of Burlington were in the first party. Carriages were got ready after dinner & I was in Brainerd's & we drove to Silver Lake, walking most of the way in the ravine where runs a beautiful brook & where I found *Asplenium angustifolium*. I had seen the notice of Geo. Huntington's death in a Rutland paper & had telegraphed Mrs. Huntington & could think of little else all the afternoon. A heavy thunderstorm after we reached the Silver Lake Hotel - Prof. Perkins present also Mrs. Terry of Smith College & Annie Loring. At the evening meeting I called the attention of the Club to the Welloughby P. O. matter & a committee was appointed of Pres. Brainerd, Prof. Morse & Mr. Davenport. The Hotel at Silver Lake kept by a Methodist - is not as good

Dr. H. Hewitt - Pittsford - U. Bot Club

Dr. H. Swift Pittsford Vt. took photo of Club
& gave me some beautiful fern & flower
photographs.

as Welloolyby tho perhaps the sudden
arrival of 30 or more people may
have tried the lawlor's resources.
However he does not sell liquor
or cigars & no doubt has a very
quiet household. The wood
drive is remarkably pure & the
place may be a little *Proton*
heavier.

This morning while the others went
to Woodsalme Mt & Lake Dunmore
I drove home with a Mr Briggs,
a young man who was returning
to Brandon: arrived at 10 o'clock
& found telegram fr Barrett hint-
ing that the funeral was at
Hanover today at 11 & the burial
at Hadley tomorrow at 3; the
train connections are so very
bad that I reluctantly gave
up going to Hadley.

PM walked with Hattie & Mad
to the Jewell: but could see
nothing to be considered worthy
notice had to take the
ice part of it on trust having
no thermometer to lower down
thus try the temperature.
a fine afternoon with cold breeze

July 14. We drove to Lake Dummore & had
 luncheon at the Mt. Spring Ho.
 by side of the lake. went out
 not by the regular stage road
 but over the mt. road with
 views of the Adirondacks & on
 coming back over a piece of
 mt. road near the lake whi
 led us for half a mile or so
 along the shore of the lake at
 the upper end & then rejoined
 our morning mountain road.
 I prefer Silver Lake as a bot-
 anical ground; the day was
 not at Dummore Lake side, tho
 a cooler breeze blowing on the
 hills. Found a 5 ft Malva
 many-branched, fr. the ground
 that hardly matches Malva
 verticillata description.
 Lake Dummore not as pretty as
 I expected — not to be compared
 with Willoughby. The various
 ml. limestone cliffs on the
 roads here suggest interesting
 plants. We reached home
 at 4.15. Hattie rather
 tired with the day.

July 15 A.M. went to small ledge hill back of the Episcopal church, got fine aspl. *ebeneum* & a *Carex* I have not named.

P.M. we all drove short trips on roads abt the village & to the Marble Quarry where the foreman explained the methods of cutting & splitting the marble: they are now down abt 60 ft & the lower marble is finer & whiter. The blocks are about 6 ft x 4 ft. On rocky ledge got *Arabis* & in a damp place *Pyrenanthemum rusticum*. Day rather warm & cloudy but the expected rain did not come.

July 16. We drove to Silver Lake betw. 9.15 & 11.15. The lake lies in the town of Leicester while Dunmore is in Salisbury. Staid there to dinner & got a few mosses. On the road home & in the wooded ravine got *Aster puniceus* in full flower, even an old fl. spec. it might be called. At Forestdale the village near the fine roadside spring & beautifully situated lute.

106
church in the woods we visited
the wood working establishment
of
Newton & Thompson Mfg Co
Brandon Vt
Wood Turners
A. S. Newton Pres.
C. Bump Vce P & Manager
L. J. Fortier Treas & Sec

They make all kinds of turned
boxes, trays & trinkets &
also small locked corner Boxes.
I bought a dozen long boxes
to hold style pens for 15 cents.

Sunday
July 17. at home in AM Day quite warm.
PM we drove the Sugar Hollow
road, going out on the Rutland
Turnpike to a mile fr. Pittsford
& then turning off East by some
good pine woods over sandy road
& then North a very pretty drive
down to Brandon.

1904

Monday. Heavy rain & thunder in the night &
July 18 quite warm day following.
at home in Am but in P.M.
I took 2.40 train for Middlebury.
very wide plains betw. Leicester
Junction, thro Salisbury almost
to Middlebury. Drove to Pres.
Bramm's house $\frac{3}{4}$ mile from
station on a pretty knoll.
He & family had gone to camp
on Lake Champlain. Then
drove thro village to College
Buildings just to see the
grounds. The new Catholic
church built close to College
grounds has a fine tower.
Back to Bookstore & bought 10
vols. Chambers Miscellany for \$2.00
& then walked to station
took 5.02 to Brandon: very
heavy rain en route but
ground dry at Brandon.

resday
July 19

From Brandon 10.15 am to
Boston at 5.45. Day hot
& bright. Fine views of Monad-
nock & I noted small Hotel
near station at East Wallingford
Vt; this being the town where I
have planned to explore Cong.

108
Metou

Sat. July 30. 1904. Drove to Massapaog Pond
& by Mountain St Sharon &
Bay Street home. *Phlox*
paniculata on roadside
by old cellar near Friend
Drakes house with its curious
1846 sign abt. Shooting on
his farm. Also *Aster*
spectabilis just in flower
on Bay St and *Nepeta*
Cataria which I have
called rare hereabouts at
two old farm house & in
road near them. The wind
blowing across Massapaog
reminded NWK of Undermen.
The Potter place is unoccupied
for sale.

14 Aug Sunday: Drove to Norfolk Down's Station
& got some *Cassia chamaecrista* L

W
fa
R
W
th
O

Wayside Inn

15 Aug 1904. With Chas E & Walter Faxon
 to the Wayside Inn at Sudbury.
 By 10.10 train to " station at
 10.50 & walked along the road
 intending to go to Nobscot Hill.
 but when we reached the Inn
 everything looked so uninteresting we
 ordered dinner & remained
 from 12 to 2.45. We measured
 the big *Quercus alba* & also
 the somewhat larger *Q. velutina*,
 and noticed the large *Fraxinus*
Americana: coll. a leaf at
 root of *Quercus ~~velutina~~ alba*.
 Did not collect much: a fine
Aster patens & a flowering
 potatoe whi some one had
 thrown down by the roadside &
 it had rooted & flowered. We
 walked to South Sudbury station
 to take 4.12 train home.

Lost the cord with my measurement of the trees
 Evening telephoned to Miss F.
 Williams who reached home
 yesterday afternoon fr. Europe.

Walter
 Faxon
 Dec 8, 1891
 note of
 the two
 oaks

Q. alba
 18' 10 1/2" circ at 3ft
 16.1" " 5"
 15.7" " 6"

Q. tinctoria
 17' 3 1/2" circ at 3ft
 16' 9 1/2" " " 4 1/2"
 16' 8 1/2" " " 6"

10
Orleans: Cape Cod.

Tuesday By 7.38 train arr at Orleans
Aug 23. at 10.40: Mr S.W Gould met
me with Team & we drove over to
Rock Creek Harbor & saw the
now small number of fishermen,
men getting quahogs & clams.
Mr & Mrs Gould are boarding
with Mr & Mrs Howard Crosby
& I was made quite comfortable.
after dinner with the Goulds
drove over to Fenset & East
Orleans to the 7 acre piece
ground Mr Gould owns: got
several plants & he took me
specially to see a *Heracleum*
by the roadside. The day was
very fine clear & cool.
at supper time we walked
to a bit of marsh just beyond
the Eastham line to see if
my shore birds had come;
here was *Malva Moscheutos*
as bright as any Red Ibis.
In the garden *Marrubium*, the
first I ever gathered.

Wednesday Aug 24.

We would I drove by the Bridge Road into the Eastham moors & woods, near Dr Maurice Richardson's pond where we could look across at his house & duck blind from the artificially cut brook that flows from pond to Massachusetts Bay, cut I suppose for the Herring. Near this place was the first *Corena* + also young *Polygonella articulata* which puzzled me for some time. Thence to the Camp meeting ground near which was *Artemisia absinthium* in a door yard: thence across the RR by a wood road where was fine *Tephrosia monosperma hypopygia* to the Nauset lights, three low light houses built on the abrupt edge of a sixty foot cliff & which have been moved back to get beyond the reach of the waves; a life line from the edge of the grassy bank to the beach below, a deep dark color to the level -

112

7

moving waves reminded me that not always are August skies & weather to be found here. The view was grandly beautiful. Thence we drove through moors across to a glacial boulder a single stone abt 30ft in diameter & fifteen ft high & nothing like it for miles nor indeed until you reach the big shore boulder at Rock Harbor, which we saw yesterday some distance off & on the sea shore. Thence we came thro the village of Eastham Centre & always by small & big ponds & so homeward calling on Mr & Mrs O B Davenport near the Crosby's.

After dinner we played croquet till time to go to the 3.26 train which landed me in B at 6.22.

Monday
29 Aug
South
Wellfleet.

with Sinclair & Mad to Cape; he to Chatham, we for a noon lunch at sea shore one mile fr. So. Wellfleet. many mosquitoes & very hot day. large branched *Salicornia herbacea*. met Mr Goned on train & sent 15 shore birds to NWK. Home on 6.45 train. C. E. Fayon here to dinner.

1904

Massapoog Pond

113

Sept 2 C. E. Faxon out here at 10 AM took
 Friday my horse & drove to Massapoog
 Lake & home by Mountaine St
 & Bay St. Lunched at farm
 on Mt. St near North Eastern line
 in hellebore near Cranberry
 meadow: met Mr Drake
 on Mt. St & his father put up
 the sign on the old Drake
 House which is as follows.

"Take Notice. Whereas I have
 sold to several gentlemen of
 Boston the right to hunt in
 my grounds. That entry
 out these premises by any
 other person for the purpose
 of hunting with dogs or guns
 are strictly forbidden.

Friend Drake
 Sharon May 27th 1846.

He told us that Mr Horace Sargent
 of Beacon St & Daniel Webster
 nailed up the sign, he
 did not say whether it was
 their composition.

He was himself an original
 & having been a soldier for
 some years in the civil war,

6114
appears to have settled into a state of quiet in his declining years: he journeyed to Boston last week (probably to the G. A. encampment); not having been there before for twenty five years: he sleeps in the old house & takes his meals in his daughter's house half a mile away. At the pond opp Plain St on Bay St we found plenty of *Carex rosea* but did not as I intended explore all around the pond.

Aster spectabilis is a rather common roadside plant in the woodland parts of Bay St. Home at 5 o'clock & C. E. F. dined here & we listened to the colony of Katy Dids at our front gate.

Willoughby Vermont

Sept 7, 1904 Wednesday.

Left Boston 10 AM yesterday with HWK & Ma J: arr West Burke 4.50: I drove the pair of greys up here as Charles wanted to take up other passengers & trunks. Miss Carby of Stoneham Mass niece of Mrs Richardson came up with us. Day & evening very clear & bright. And the fine weather continued all today. Walked in AM with Ma J almost to Roaring Brook: road full of funcoes & shadows very beautiful. PM we all went in Capt Overalls boat the Keywaydin around the Lake.

Deepest place 274 feet just about N. W of the lower part of the Pit & say two & half miles fr south end of lake

Every cloudy 24, but warmer than the cold clear last evening

1904

Thursday
Sept 8

Rain till 11 o'clock after which I went in field opp the house & found large sterile *Equisetum pratense*. In pm on the Cold Brook path hoping to find *Lycopodium complanatum* var *Wibbeii* but did not. gathered much *Lycop. arnotium* branched to 14 times & quite cup shaped in its growth. also *Carex retrosa* Schwein & fine *Aster pumilus lucidulus*. Coming back on the roadside opp. Cheney, lower gate into the Spruce woods found *Lycopodium complanatum*, of a very diff form from Fernald's *flabelliforme* & I picked enough for a dozen sheets, only one however with fruit: pressed it before supper. Evening wrote to Hal at Glacier British Columbia.

1904

Friday
Sept 9.

am to Cheney Woods again looking for
Wibbei but did not find it.
A curious *Meritha* in the wet
place near Cheney Boat House
large fine *Carex retrorsa* again:
it is the only *Carex* that seems to
flourish in September. After
dinner to the Pasture Knoll
found the Wibbei but old &
fellow looking as if something
had made it Wibbei, i.e.
not as fine & good as real
complanatum: all the single
spiked plants looked sickly.

1904

Sept 10
Saturday AM along the ridge opp the
house. Lots lots of *Equisetum*
pratense in the woods; it
looks now the most common
Equisetum up here. Varying
forms of *Aspidium adnigrum*
fine *Asplenium thelypteroides*.
In Snuzzle pasture *Lycopodium*
clavatum monostachyon
which seems common enough.

2 plants of *Erechtites* in Mr. Rice
potato patch: I brought them
in for the parlor fire, but a few
were escaped.

Sept 11
Sunday. A hazy doubtful morning slowly
cleared off into a day of wonderful
beauty. I walked up the Lake
Road to a point abt a mile
beyond Roaring Brook: & at a
little cold brook near there
could not resist gathering
a few curious mosses. Searched
carefully for *Erechtites* at the
place where found last Fall
but did not see one: the
view across the lake with its
misty white caps was very
beautiful. On the way

119
home overlook Miss Carbee & Mad
who had walked to Roaring Brook.
Late in the afternoon with Mad
to salt the sheep in the Golf
pasture.

Sept 12
Monday Am walked to Green Tunnel with
Mad calling at Katie McFarland's
at the Bishop Farm. Gathered
some of the Crataegus fruit
at the old abandoned farm &
sent it by mail to Prof Sargent.
Pm walked to Echo Rock.

Sept 13
Tuesday. a very beautiful day.
Am to the sugar woods & ridge
in pasture. Found Equisetum
pratense with even the branches
having ridges densely set with
spiculae & the branches have
so far as I have observed been
always smooth.
Pm at home & walked with
Kattie to the Cherry Cottage.
enjoyed the delightful air, sky
& view. Found in Am remarkable
large Geaster with thick leathery
6 divisions of its cup, very strong &
persistent. a curious puff ball

1904

Sept 14
Wed.

Imp JW Payson & Imp A. O. Huntington
went this morning at 8 intending
to visit the St Johnsburg Fair
to-day. I had walked up
the pasture path opp the house
& so over to the once existent
Spruce grove; now no longer
there but an overgrown mass
of young birches & waste. Then
home by ridge & springs &
brook opp the house to
Cheney fence & then down to
road.

Raining in PM & I read in Fontenelle's
La Pluralite des Mondes.

very good *Carex tenuella* in fine
fruit near Cheney's fence beside
a big rock on roadside and
a clump of very vigorous
Carex retrosa on the lake
shore, which seem to have
escaped. Mr Cheney's mares
devouring scythe: the roadside
& by beach are terribly laid
bare by the scythe.

Sept 15 A Postoffice inspector spent last night here & I was glad to give him my views on the abolishment of the Willoughby P.O.

It rained drenchingly in the night & fairly so early today, but I walked dry to Echo Rock between 10.30 & 12.30. Got a few Equiseta on the Lake Shore beach, but did not find *Praterise* with branches roughly spiculate. *Rosa blanda* by roadside. Has small ovoid fruit with sepals reflexed persistent.

PM I walked to South view & then in pasture & by the pool or bog hole near the Elms. *Carex retrorsa* in fine shape also normal plants of *Mentha Canadensis*. What I found on Cold Brook path were simply specimens grown in shade & so loose & large. Got *Equisetum arvense* also & some with the little tubers on rootstock. Some hypnoid moss spreading over the flat areas of mud & a *Veronica* I also brought home. & near the Big Boulder on roadside a good spec. of *Equisetum sylvaticum*.

122 1904

Sept 16
Friday

Mr Barnum Gale 79 & in the
Secretary's office at New Haven
came last evening & this Am
he & I & Miss Thomas of Los Angeles
went to the top of Mt & North.
Outlook: fine day with rolling
white clouds in sky. Did not
collect a plant.

PM with SWK & Mrs S to the
South View & home through
the pasture & road.
Evening Mr Miter came by the
late train from St Johnsbury,
having been in Lunenburg.

Sept 17
Saturday

Mr. Miter was showing me
photos of White Mt scenery
in Am & we did not get
out till near noon when
we went only down the
path towards lake a very
short distance.

After dinner we went to First
Slide & found many things of
interest us. *Paruassia* in
blossom & *Saxifraga aizoides*,
Lobelia Kalinii & aster
Polyphyllus: I collected
some *Equisetum prostratum*

arvense or its var nemorosum on the rich earth by the side of upper part of slide. Also *Abies viridis* in fruit. We crossed the upper wall & climbed over the ridge to next slide & found more *Saxifraga oppositifolia* there so I thought it a good place to go fruit next Spring. I collected also a *Panicum* & two other grasses & we came back down the slope at sunset.

Sunday We arranged & tabulated yesterday Sept 18 things till nearly noon & then to the Ridge & round by the end (outlet) of Little Pond where I showed Miter the *Salix balsanifera* of which he took specimen. A Blue Heron arose from the Pond: after dinner we walked to the Sutton road & after much search in the much-cleared wet fields found one stunted bush of *Pharos alnifolia* which I had promised to show Mr Miter. Also in dry place on the

roadside & under bushes &
 trees found quite a lot of the
 true (I think) *Equisetum pratense*:
 very conspicuous now by its
 light color and the very
 horizontal branches. It looks
 quite unlike the arvensis &
 its variety. We walked abt
 a mile on the Sutton road
 getting home before the thunder
 shower which closed this very
 warm day. On arrival
 learned that an eagle had
 been seen flying rather near
 the house, which confirms
 my rather doubtful impression
 that the bird Ma & I took
 for an eagle the other day
 when we had no opera glasses
 was really that noble bird.
Castra palustris in full flower
 on the Sutton road, one fine
 specimen. and 'a doubtful
Eriophorum.

1904

125

Across Will Lake the Mountain
to the left is Bear Mountain.
middle one Owl's Head.
Little one at right is perhaps
Little Orford.

Orford itself has a perfectly
bare summit. dome shaped.
Side W. J. Miter.

after going up the Mt on Monday
Pm Sept 19. Mr Miter (who
went into the rocky woods
beyond North Outlook &
saw Orford well) says the
right hand mountain is
Elephant's, which indeed
others have said. he
showed me the whole of
Elephant's from the Mountain
& what we see from the
Hotel is only ~~one~~ the Head
of the Elephant.

Monday we went to swamp below
house & Marl Pond Bay for
Rhodora.

Sept 20

Home on the 9.08 with parlor car
from Newport.
attended Florence Barrows wedding
on Sept 21 at 3.30 P.M.

126 1904

Wilmington Vermont

Sept 22^o with KWK mad Edith & her children
arr West Burke 4.35. Mrs Richardson
not having recd our Telegram we
came in Stable Surrey - very
fine but cold night.

Sept 23 Ther 29^o this morning & a very
heavy frost. On the water in the
boats at the Boat House was
ice one third of an inch thick.
morning we all KWK included
walked to Echo Rock & in the
afternoon all took the Long
Pond Drive. Telegram from
Sinclair that Hal will reach
Boston next Tuesday 7.30 am.

Sept 24 Began to rain last evening and has
continued practically all day, so
that we have been forced to take
our tramps on the piazza (70 yards or
rather my paces) Read Conan Doyle's
story the Cloomber Mystery, dealing
in pseudo-Indian philozophy, as to
revenge & delay of punishment for
a bad action.

Sept 25 Still cloudy & misty in morning.
Sunday I walked to Salls house before
breakfast. had my John Aitken
little telescope of many years ago &

it gives better field & definition than any glass I have ever my Goerz 12; have not yet tried it against my Munich glass. Saw Field Sperm Sparrows, Juncos, Chickadees & Phebes.

Rain till 11.30; then George & I walked to Cold Brook. After dinner with ma & the children to the Ridge & then Cold Brook; the children much enjoyed the path with its damp mossy banks. Saw with my glass the ^{one} ~~the~~ lost from passing flock still on the 1st slide below ledge where Miter & I saw him Sep-17th. Saw large Hawk flying near ledges but could not well mark him with glass. Afternoon constantly threatening rain.

Sept 26
Monday. As we expected Hal to arrive from Japan at 7.30 AM Tuesday we all took the 9.08 train & arr in Boston 5.10: a very long train owing to slide at Willey notch taking away train service; the Saturday eve. rain washed out several hundred feet leaving RR track in air. Day for us cloudy & rain in Boston. Brought home *Salix balsamifera* shoot to plant.

125 1904

Nov 2.

To Ipswich with Walter Faxon:
to Great Neck & Eagle Hill
& back into the town to see
the old cemetery: oldest
stone seen 1690.

on rocks in center of Lawrence
Sedum acre L.

on shore near lane by
river (tidal) a Rumex
rather peculiar but
prob. obtusifolius.

on meadows little way beyond
Poterium Canadense &
Brassica nigra.

Lunched on piazza of empty
house in warm sunshine
near Eagle Hill. Saw
no Lapland Songspers, as
perhaps they had all gone
by in October: but did
see the Arctic Snowbunting
quite tame, but not in large
flock. W. F. said Birds
were very scarce. We went
down by 10.10 train about
3.50. Ther at 7 am 30°
& a heavy white frost
fell. by a beautiful day.

16 Nov 1904

Walter Faxon
came out & we walked over
the new Reservation Road fr
Harland St to Hillside St.
Found good Pottier -
Home at 1.15 & Frances lunch
with us as Battie was in
town. P.M. with cigars
chatted abt books & Shakes-
peare & he looked over
my library.

12 Mch 1905

ated, needs a paper devoted to the in-
terests of all sections. To provide
such a paper, not to gain profit, has
been the sole aim of the committee.

The success of the undertaking
seems assured, but it will be greater if
more people will subscribe for the pa-
per, and contribute to its columns.
This, therefore, the committee urge
everyone to do.

For the Committee, A. H. WARD.

Members of The Milton Record com-
mittee—Andrew H. Ward, chairman;
Rev. T. I. Reese, H. C. Gallagher, Wm.
B. Thurber, James H. Perkins, John
Swift, Arthur Tucker, N. T. Kidder,
Maurice Duffy, A. J. Jacoby, Charles S.
Pierce.

March 9, 1905.

THE COLD WINTER.

The records of the Blue Hill observa-
tory show that December averaged
about 6.1-2 degrees colder than nor-

mal, January about 2 degrees colder
than normal, and February about 5
degrees colder than normal. The total
depth of the snowfall during the win-
ter was about five feet. But, notwith-
standing the severity of the winter it
did not equal the one of last year,
which was about one degree colder
and gave a total snowfall of about
seven feet.

In order to fine two consecutive
winters as cold as the past two win-
ters it is necessary to go back as far
as 1855 to 1857, when the records of
Mr. Breck show that there were three
successive cold winters. January,
1857, was particularly cold, several de-
grees colder than any month since
then. Other cold winters occurred in
1852, 1865, 1868, 1873, 1875, 1881 and
1893.

The warmest winter during the
past 60 years was that of 1890, which
averaged about 11 degrees warmer
than the past winter—a difference
equal to a change of latitude from Bos-
ton to Washington.

H. H. TAYLOR,

Meteorologist.

see after Apr 22, 1905 for our trip to
Welloughby in Jan 1905

1905 March 18th
 Put away in Herb. the last
 numbers of 347 plants,
 given me by Fernald
 of last summer collecting
 at Gaspé

18 Mch 1905 at 6.20 PM on corner of
 Commonwealth Ave & Dartmouth St
 Boston saw a bat flying.

26 Mch Sinclair while canoeing on the
 Neponset saw Swallow, Blackbird
 & a 'black duck': the latter
 at mouth of Ponkapog Brook.

1905

131

Mch 25. After a rainy morning
 I walked to path in B&R back
 of the Wolcott place but did
 not go to the Crossman Pines
 on acc of the ice on the little
 hill where the Cedars grow
 before you come to the bog
 bridge. On root of a tree in
 wet land back of the Floyd's
 entrance gate to B&R
 saw a flat odd looking moss
 which looked strange to me.
 It proves to be Cylindrothecium
cladorrhizans, & tho. I have
 it from Willoughby, Vt and from
 West Lebanon N.H. have not
 gathered it in Mass. under the
 compound microscope its more
 than 12 articulations to the
 teeth are very evident.

also

Hypnum riparium, L.
 " *reptile*, Rich.

1905 Mch 30 Thursday.

very fine day Ther 72° at 2 Pm
 tracked down in the lower
 part of Mr. Kemmenway's land,
 going down Bush Hill Road &
 then along the Reser. fence.

Got fine *Hypnum imponens*,
 also a sterile moss on the
Chamaecyparis trees & a few
Thuidium & other *Hypnoidae*.
 also on decayed log *Dicranum*
flagellare Hedw; from its erect
 capsule, very smooth leaf,
 tho' flagellae are wanting.

The *Hypnum* from rotten log in
 boggy pool that I called
stellatum is I think
Haldanarium with rather
 shorter & more arcuate capsules.

April 1, 1905. Walked in the hardwood
land E. of Elm St on Mr Hermeux's
estate & collected mosses mostly
at the roots of oak trees.

examined at home specimens

Brachythecium laetum Brid.

this moss growing in mats of a
yellowish green color at
and on roots of trees in the
dry woods. Upright branches
abt $\frac{1}{2}$ to $\frac{3}{4}$ inch long: leaves
straight - & erect spreading:
plainly lanceolate: nerved
half or more way: rather
plicate. Capsule with
acute lid, gattish &
usually constricted under
the "oblique orifice.
cilia plainly strongly nodulose
or even appendiculate &
numer perichaetial abruptly
long acuminate as in Tab
115 of Sull & Besq.

134
April 9, 1905 Sunday: Walked with MK
for an hour in BKR & behind
the Wolcott & Floyd places.
Got *Trochostomum tortile*
by roadside here & fine
Dicranella heteromalla.

April 14. Fine warm day. At 10.30
walked down the road & into
the corner of the Hem land
& across the lower avenue &
out on the highway Elm St
near the farm buildings & then
by Fox Sparrow path to Green
Lodge Road & thence to the
Club: where I had a cup of
tea & bread & butter & then
to the pine woods & cold
brook South Eastward of the
Clubhouse, wh. I named
Ash heap brook: it was
remarkably cold & I filled
my box with various mosses:
found also some *Eutodon*
cladomphium when I found

in two or three years ago: came home also by Fox Sparrow path Elm St, reaching the house at five o'clock.

Purgatory.

18 April. C.E. Faxon came on 9.15 AM & drove us round to Endicott station & left us at path on Everett St & we came thro Purgatory going down all the paths & finally Emichy, at angle of roadway opp. Washburn's Roadway near Dedham Road. Then we came along to Summit St & went in fruitless search of *Sanguinaria* at the Pasture walls there & then down Saml Cabot's lane to the field at the Neponset Meadows & back to Highway, then by Green Lodge & Fox Sparrow path to Kemmerway Farm entrance & by Elm St home. The day was cold & windy: Ther abt 40°, cloudy & sunny by turns. Did not collect a thing, but *Caltha palustris* was in flower by the Great Spring in Purgatory. The gentlemen dined here & home by the 8.18.

This page for April 14th mosses

Plagiobryum latebriola B.S. at wet base of
old big willow on Green Lodge Road, with a
very erect, light-colored capsule.

Eurohynchium strigosum B.S., on the ground
on Fox Sparrow path, looks very
plumose & soft.

Dicranum flagellare Hedw. (with a few flagellae.)
near Ash Heap Brook.

Brachythecium plumosum Swartz, on the round
wet stone in Ash Heap Brook.

Pylaisia velutina B.S. on a small flat stone
near Ash Heap Brook.

1965

139

21 April tramped from 9.30 to 12.30 down by
the Nip. River Reser. Fence to & about
what I have called *Rhynchospora*
pool tho I have abt convinced
myself that the moss so plenty
there on rotten wood & sticks is
Hypnum Haldaunianum.

Filled my Box with other mosses
& brought home pl. sp. of *Caltha*
palustris, *Anemone nemorosa*
& *Chrysosplenium*. Day sunny
& spuy like. Ther 70 at 1 o'clk.
Sphagnum cymbifolium Ehrh in Herb.
Hypnum Kneiffii B.S. = *H. aduncum*
var *polycarpon* for this spec in Herb

1905

April 22. To Salem with Mireed, called on Jas M. Macoun his daughter: walked with them to The Willows & got
Leskea obscura Hedw
Thelia herbella
 & *Polypsea polyantha* perhaps tho it may be some *Hypnum*.
 Came back 4.43 train having gone down on the 2.15.

1905
 Jan 14

Addendum
 to West Burke Ut & Will with ma I: Ther O at house.
 Burns of the Hotel Jr. fore on Nov 15. 1904.

Jan 15

on snow shoes to lake to see the Ice Cutting & through the Cheney place. Deer trails in the snow & probably Gyp the little dog saw them, at least he was very much excited & timid. PM across Little Pond on the snow surface & thro' the pasture Ther O or about O all day no person came to the house or went by today. This morning many Red Polls flying abt the house and

coming down in flocks to a
small urine spot, (probably
yips - a female dog) near the
house and pecking away the
discolored snow quite industriously

Jan 16

Home, leaving the house at
12.30 + arr. W. Burke at 1.15

140
1905

April 26 Fine day & warm at noon. Wm
drove me to near Pecunick St at
10 am & I went back thro'
rocky woods to where the Brook
crosses Mr. S. Cabot's road road
to the Neponset & then followed
the brook up to the Cold Spring
in Bloodroot meadow. Sat
down there & had my lunch
between 12 & 12.45. Then across
the wet meadows to Cemetery
Brook in its lower part, but
not down to the little pond I
saw over the wall & then up
the South short arm of the
Brook to a rocky spring hole
near the hillside covered with
limber & over that to Dedham
Road & on other side of that to
the high ridge overlooking the dug
out pits & kept along the edge
of this place for quite a bit.
Wm came to the corner of Elm St
at 3 o'clock & we drove down first
Woodroad wh. brought us out to
the deep rock cut on the Prov RR
where Mr. Faxon used to get *Prunum*
pseudo-fragetrum: I went
there but found only very

young moss, too young to name. Then
we came back & took another wood
road wh. finally led us by a wooden
sided bridge across the R.R. &
in the field beyond we turned
abt & after coming across Kragin
took first right hand road towards
Canton Junction & so by the Highway
& foll. Washington St Canton all
the way home at 4.30. a few
drops of rain falling at intervals
all the afternoon. Saw in bloom
blue violets, Spice bush, Potentilla
Antennaria, Luzula campestris,
Carex prob Pennsylvanica, Salix
perhaps tristis: full of moss with
mosses.

Polytrichum piliferum

Hypnum reptans (very common)

Catharinea angustata.

Anomodon rostratus

~~*Brachythecium salebrosum*~~

~~but~~
~~unlike any thing I have: appearing~~
more like a *Plagiothecium* as it
has complanate leaves.

Brachythecium rutabulum prob?
a water form in bunches on wet
stones by cold spring, sterile
very lax areolation looking like
Bry. Eur. percre of rivulace.

142
Hypnum cupressiforme
Arilacomium palustre A
Hypnum Baldernianum closely clinging
to wet vertical face of rock in
brook where it must have
been submerged all winter.

Dicranum fulvum:

Lucobryum glaucum fruiting while
the top of tuft is covered with a
Hypnum cupressiforme forma so
that I thought in the field I had
a *Rhynchosstegeum* growing on
a bed of *Lucobryum*.

Dicranum montanum?

" *viride*! on old log
near the Cabot roadway before
getting to the Brook.

Fontinalis Dalecarlica with
caddis cases inhabited by the worm
& simulating the capsule of
Fontinalis most correctly,
showing above the smooth edges
of the imbricated leaf cut off as if
at base of the operculum two
tufts of hairs, one on each side
of the case. The creature drops out
of this case in the form of a
black hard shelled caddis bug.

1905

May 2. With Chas E Faxon on 9.09 train to
 Lexington with Walter F. walked
 to Lincoln, reaching the town by
 road passing entrance to new
 Cemetery: along that road
 before reaching the Cemetery is
 a half mile or more of good
 moss collecting woods & bank.
 found *Aulacomnium heterostichum*
 & *Bartramia pomiformis*
Hypnum Schreberii
 " *triquetrum*.

very fine day at last
 tho' below freezing at Lexington
 is early morning

Smacked by woodpile at corner
 of wood road.

From the beautiful village on
 a hill of Lincoln we went
 to Sandy Pond shore for a
 short stay some or two
 mosses. *Plagio. laticolus*.

Hypnum riparium-triquetrum
Dichelyma pallens
Listia graciliscens in my Herb.
Dicranum montanum
Hyp. Schreberii with very light col. stems.

Then walked to Baker Bridge
 station & took 4.10 train back.
 W.F. had to leave us on RR & go
 back for missing bag wh. he found
 in the Baker Bridge station

May 4. By 10 o'clock train B & A via Framingham
 with Walter Faxon & Outram Bangs
 to Clinton where Mr John E. Thayer
 met us with wagonette & we
 drove to his Ornithological Museum
 in Lancaster & after admiring it
 for an hour, to the Great Elm
 on the valley meadow, which
 is indeed a wonder. Then
 to his house to lunch meeting
 his wife & two daughters: he has
 a beautiful library of Bird
 Books & has Audubon's
 original drawings of the Hermit
 Thrush: Then we walked about
 the grounds to see the bulbs &
 the wild garden, which deer
 had trampled upon last
 night & Mr J. drove us to
 the 3.36 train via Mass
 Central at Clinton & we
 came by the magnificent
 Dam being built for the
 new water service & home
 to Boston at 4.56.

1905

145

May 8.

With Dalton (one of the men), by the 8.29 train to Highland Lake in the town of Norfolk: arr there 8.55. Walked back by a short street & then West St towards the Big Swamp: near the corner of West Cedar St. on large elm some mosses, particularly a Minium growing some 8 or 10 feet fr. ground: I reached it by standing on the wall: a Tree Swallow flew out of hole on street side of tree up say 15 ft. We turned into 1st lane or pass on N. side of Cedar St. but this well used wood road ended at two houses, the larger occupied & probably owned by a deaf old Caruck whose hired man with whom we talked before his "boss" came forth the house was an intelligent good looking Mass. young man: it seemed to me the positions ought to have been reversed: when past the houses we skirted wet places & finally came out again on Cedar St & remained thereon till almost to State Road when we cut across corner to a one cold brook small but cold

142 146
connects the swamps on the South
side of Cedar St. I got a very
sharp pointed Sphaerium from
pool on North side & water
Hydras for stones in the brook.
Along the State road with few
attempts to enter swamps.
On Cedar St side not far from the
two houses mentioned saw
one spec. *Taxus Canadensis*,
& collected *Lourea ciliata*
in the dry woods. Near the
State Road in swamps were
Coptis trifolia in flower &
Chiogenes hispidula
on dry ground north side swamps
Oryzopsis ~~amblyophylla~~
We lunched at Pochick Spring
a new place to me & taking
the road that led from it
came at at A M Brown's
(a Real Estate Man) place
on the State Road opp. Oak St.
Then thro Oak St; where is
a pool with old willows
abt it, I got *Dicelasma*
& Hydras & in another
small pool a curious floating
mass of Hydras.

142
Thence to Malpole + Electric to East
Malpole wh. connected directly
with a Dudley St. El. via Norwood
We got 3.10 at Norwood for Readville
Viola pedata in full bloom.

Prunus Pennsylv. the small size in
the swamp.

Aralia trifolia

Hypnum riparium sterile floating
in masses in pool on Oak St.
compared with the fertile I got
at Sandy Pond Lincoln.

Dicelyma capillaceum on
roots of a big willow at larger
pond on Oak St. Fruiting:
Leskea obscura on same tree.

Thelia hirtella, new bright green.

Hypnum riparium that other time!
Dark green floating mass on
smaller pool on Oak St. is
also a *riparium* with shorter
leaves.

Dicranum flagellare on cedar
trees, very small plants, but some
of them have flagellae

148
Webera leucuriana "flagellate"
on the bank by the spring
where we lunched. My notes
with my Herb. spec.

Bryum capillare on same bank.

Bartramia pomiformis.

Brachythecium salebrosum.

Plagiothecium latebriola

{ Fontinalis

{ Dichelyma { Hyp. pluitans forma, vide
Farlow's letter with spec. in
Herbarium. The rooting
leaves he does not remark upon.

both from cold brook crossing
Cedar St Walpole Mass
sent some Dichelyma (it has the
rooting leaves) to Farlow

Dicranum palustre

Sphagnum subsecundum

" acutifolium

" crispum, fr. rock pool
at brook on Cedar St but app. not
robust enough for var. Torreyanum.

Wilmington, Vt. May 15, 1905.

Left Boston 10 & arr. Wt. R. 1. on time
& drove in cloudy weather, after all day
rain here to the house. Saw Heron
Thrush on the way.

May 16

To the Snuzzle before breakfast. Temp.
of the Spring 44° and of another small
Spring by pasture fence Temp 40°.

Got several mooses but did not locate
any *Equisetum pratense*.

after breakfast with Will to 1st slide
& got flowery Saxifraga oppositifolia,
but it would have been better a
few days ago. One piece of ice
not yet fallen. fr. cliff south of 1st
slide: Will says it is always late
there & that the ice falls just at the
North end of Cliffs & marks South-
ward: a large piece of ice at base
of cliffs at 1st slide: one *Primula*
Mistassinica in flower. *Viola pubescens*
& *Deutaria*, *Claytonia Caroliniana* &
Corydalis, *Dicentra Cucullaria* in flower.

On coming down I went along the
~~the~~ Lake road to Echo Rock &
got various mooses: it seems
to be a good year for them and
everything looks fresh compared with
before.

Pezizites palmata
Lonicera chrysa

Plagiothecium silvaticum
Cynodontium (varus?) with long seta
Barbula

Weisia

Gymnostomum (rufesce)

Neckera pennata fr. on Rock

Cladonia on boulders

Eucalyptia - (high up side)

Arcomodon attenuatus, very fine
 growing on a large boulder, I
 put up 40 packets of good
 fruiting specimens -

In wet pasture before breakfast

Hypnum revolutum?

+ on log by lake roadside *Thuidium recedens*?

Temperature of the House Spring 43°

1905

191

May 17 Wednesday; no rain today but threatening until 5.40 when it cleared off & gave us 20 min. of sunshine; the sun going down behind Mt Hor at 6 o'clock; it was sad gazing at the sky & cliff; with the burnt ruins beside me & the thought present with me of the many now gone who had enjoyed summers in that house for the past 60 years.

I went to the corner of the field this morning & got what I suppose is *Equisetum pratense*, the male fls.; then along by the woods to Snuggle brook. Beautiful *Viola Seckinkii* & *rotundifolia* & two sorts of a wood *V. alanda*: one hairy & the other very smooth & leaves fat looking like *rotundifolia*; also *Mimn punctatum* & a *Heckera* looking one clinging to crack in under side of Big Boulder with *Anemodon* & a long fruited *Mimn* of the affinis sort. In Snuggle Spring also *Byssium reniforme* as I suppose from its leaves serrulate all round. *Reber suborn* ever densely wild in the wet pasture & two *Antennaria* in the dry hills of the pasture.

Temperature of the House Spring 43°

PM Stook race fern plants & then
 walked south down the road found
 five (from its dark red peristome, *Grimmia*
apocapa: also a lateral fruited
Fissidens most like *subbasilaris* acc to the Book.

Dicranella heteroneura

Hemalia like

Hermit & Wilson's Thresh & Rosebreasted
 Grosbeak by the roadside.

Anomodon obtusifolius creeping in crevice
 hanging on under side rock.

five Hepatics two sorts and another with
 a Hypnoid areolation at base of leaf wh.
 may be a moss, perhaps *Andrena*
complanata.

1905

153

May 18. various showers today and sunshine for 10 minutes at abt 2 o'clock.

Remained at home all the am working on Mosses & putting them in packets. After an ~~am~~ dinner down the path to the Lake river attracted by the *Orthotrichum* on a yellow birch so began to collect and filled two bags when the rain made me seek shelter under my umbrella arranged as a roof between a fir and spruce tree. I was up in a yellow birch when I first saw the shower over the lake & the view across the sky to the cliff was fine. A snow bank 30ft x 10ft and 5 or 6 feet deep at lower end of path & other smaller ones near by. The sun came out for a few moments & I partly dried my umbrella in its rays falling on a mossy bank. Free mosses & Hepatics looked wonderfully fresh after the rain. I walked to the Picnic House & then home by the road. Gathered a *Xyloconium* under Cherry & Hawthorn trees by roadside. I made out an *Umbraticum* after considerable study of it. More rain later in the afternoon.

115
May 19.

A sunny day at last: much wind especially in PM & thermometer at 6.30 was 42° — But the sky & clouds have been March like in beauty. I worked on the Muckera this AM making it *N. complanata* which thus far I do not think has been recorded in Vermont. Then I walked down the road to Muckera Rock as I call it & found some more: Temperature of Baska Spring a little under 42° , thus colder than the Suggs. Came home with much *complanata* which I laid out on sheets. It is a fine golden color when not growy in mass. It creeps by its threadlike fibrous rootstock along the face of the rock & where the crevice is large enough to have several lines of plants they can all be separated to these thread-like single ones with branches about 1-3 cm long according to the vigor of the plant. I noticed the moss dried very quickly in the air & was then very brittle, so it may easily dry up & be broken off or fall away from sight.

In the afternoon I went in search of more & found another large broken rock in same pasture with plenty of fil. clinging to the smooth face of the rock and it appeared to me as if the sun & wind of even this one afternoon had made a difference in the moisture of the plant. When it was protected by shade leaves it was much greener & moister than when dry on the liney face of the rock. I searched other rocks and found more & finally even on the earth on rocks & extending to the root of a tree on the rock, so I made up my mind it must have been here before and escaped the watchful eyes of the Jaxons by drying up in the summer time. and I am anxious to test my theory. I followed the wire fence back to Marl Pond & beyond. Found a large plant of *Orthotrichum* in plenty on one dead maple, also a clustered capsule *Dicranum* one or two fronds *Hypna* & also *H. scorpioides* sp. prob. *H. Richardsonii*. *Rhodora* not in blossom, but collected ♂ & ♀ *Myrica Gale*,

30

tu

a fine delicate *Amulanchia* &
Epigaea repens, the largest and
 finest I ever saw. Some of it very red.
 On the wood road thro swamp
 a very large hare (I never saw one
 anywhere near so long & lanky)
 gave me a very good chance to
 see him & seemed in no hurry to
 go on, tho the hounds with me
 had been making the swamp noisy
 for an hour or more. I filled my
 box moss full & came back, with
 joy that I was allowed by fate
 to spend such a happy day.

- Ackesia complanata*
- Dicranum fuscescens*
- " not in fruit
- Grimmia apocapa* long plant.
- Thuidium* ? *delicatulum*
- Orthotrichum speciosum*
- "
- Leucodon scurovorderi* gemmate
- Dicranum fulvum*
- Aspium Schreberi* fruiting
- Mnium* ? *Drummondii*
- Amblystegium riparium* in a dark
 small pool below Marl Pond: with,
 it also a sterile moss wh. may be
palustre or
cordifolium

a rigid Mamm not yet ex
+ a Callitriche with curiously veined
leaves and a straight-spirous pubescence
on the back, rather than stellate.

Rhynchosostegium — in mat on
the big yellow birch root by the new
lumber wood road in the Swamp.

Hypnum aduncum or revolutum in
Marl Pond.

Saturday
May 20th

A snow squall this morning
at 7 o'clock + cold rain + showers
all day. Ther. at 7.30 36° and
about 42-44 all day. Have
been in all day, putting up more
Neckera + working on yesterday's
mosses as per the list.

At 5 walked to the Lake but
hurried back in rain. Took
from a tree what I call
Hypnum reptile but did
not examine it.

158 1905

May 21. Sunday: Early to the Cheney place & found *Neckera complanata* on the big boulders by the Brook. This makes me more & more think it must escape summer observation by drying up, or even breaking off the rock & falling to pieces in its limy bedding. After breakfast with Mad to the Bishop's farm for the *Crataegus*: it was not at all out but I brought home a couple of branches, to place in water. Back to the school No. corner & noted the warblers in the little glen at the corner: the day was then sunny but breezy & the birds sought shelter in the glade. The Magnolia & chestnut-sided warbler were plenty and best of all a white-crowned sparrow.

Coming home we found excitement from the visit of an unknown bird to the grassy lawn in front of the house, and that Will had brought back from the Lake shore road a dead Scarlet Tanager with his skull emptied of its contents by some bird or animal. They all said the bird on the lawn was never seen here before being all

over of a rosy red with no black at all on it. Mrs R. Kuttie Charles (who came into the house to call the ladies to the window to see the unknown bird) all agree as to its color & novelty. Max could hardly believe it to be the Summer Red bird up here, but it looks like it —

PM the cloudy & windy we went to the Golf field & pasture above but birds were not to be found. Evening Mrs R told us something of her farm: she has between 600 to 700 acres. it follows the Sutton Town line from the Bishop's farm place on West side Sutton school Ho. cor. Road) and then in a line down to Cold Brook corner (the not as far as to the brook & then from the ^{end} spruce grove near gate (my Jaylora Grove) in a straight line over the top of the mt, taking in Pulpit Rock & going some distance beyond the top & then back to the or by the wire fence that finally ends in the road near Ha Ha Spring brook. A separate piece is the Golf field and

160
another separate piece is the Picnic
No piece at the Lake of an acre
or two. The beach at this
end of the Lake is a public landing
for 30 Rods and cannot be enclosed.

Plagiothecium Muellerianum
on the Cherry Place at foot
of plummy rocks on which grows
the *Neckera complanata*.

Charles Walker has been at work for Mrs.
Richardson since 1900 She knows
G. H. Mann of
Waterville Vermont
who made the short, thick
Carving knife
Mrs R. has just given me.

May 22. This has been Bird Day and I never knew before how much it means to come up here before the leaves are ~~off~~ ^{on} the trees and watch for the arrival of warblers.

I went down to School Ho corner & in the Swamp there had five views of the Parula Warbler (I call him my little Blue Jay) also the Nashville. I found in swamp
 A pls of *Dicranum* (? *flagellare*)
 with so large it almost seemed like a capsule buried in the long subulate cuspate leaves. I almost thought it a possible *Pluridium*.
Chamaecium in fruit
Fissidens " "
 large *Mnium* " "
Hypnum " " and an odd looking *Orthotrichum speciosum*.

Charles told us at noon that yesterday's strange bird had been within sight of him, all the morning while he sowed oats. So we three (Ha Mad & I) went out towards the Cherry Ho & saw the bird at the edge of the grass land and it was a Scarlet Tanager, but HWK & Mrs R.

say yesterday's bird had no black at all on it. While Charles, tho he saw no black on yesterday's bird says his Today's Scarlet Tanager is the same bird he saw yesterday. He also reported today the first English Sparrow ever heard of in Willoughby but this evening he tells me that his one English sparrow was in company with the Scarlet Tanager, so it is probably his sober clad mate.

Coming in the house I arranged my mosses till 4 o'clock & then out on the Pasture Ridge where in the larches & cedars by Little Pond Bog we saw two birds feeding in the Larches which I noted as Two

Big Chickadees and also with them a third very brilliant whi I noted as follows:

"Same with yellow & black on head and yellow throat spreading to buff: almost as large as a Robin but chunkier; they feed sometimes hanging head down."

my Field Glass may have magnified their size too much.

In Little Pond Bag two of the Sandpeeps of former years were feeding by wading along shore & putting their heads under water every now & then. One remained standing on log very quiet for some time & I made the fall notes.

"white ring around eye. Greenish-yellow legs, say 3 inches long.

Dark brown curving line along outer edge of wing. very white spot under tip of tail. Hind claws short & apparently not reaching ground. Upper parts mottled light brown. under parts soft pearl grey & feathers on his body at thigh ruffle in the wind. Looks like a fat robin for size, tho' short tail and longer legs" —

There is a Robin's nest in the broken down chimney of the ruins of the burnt hotel abt 4 ft fr ground with three just featherless young. also a Blue Bird's nest in a hole in an old birch tree near the pasture entrance: the male & female were both near the tree.

1955

May 23

very cold morning: ice on the grass by the overflow of the water pipe + a heavy North wind all day: the lake has looked blue + cold, with breakers on the beach. Ma + I walked to Roaring Brook: Temp of the Brook 40°. Collected a good many mosses: one bunch of soil with *Eucalypta* in it in plenty for that moss. No birds of any moment: the high wind not favoring them. Got *Uckera oligocarpa*? from under + dark side of a boulder with a bright brownish red capsule diff. fr. the ordinary form.

PM To the sugarhouse woods behind
 the Hotel & beginning of Mt. Path:
 Several tree trunk mooses &
 I was surprised to see how much
 they seem to have dried up:
 more sun seems to shine there
 but some fog is due to the leaves
 still not out, & so the woods
 lighter.

Desman longifolia

"

Pylæsea
lypæum

"

Thuidium
Alcomodon

watched a pair of Purple Linnet
 feeding on the young larch trees.
 Saw the Black-chickadee bird
 of yesterday, but only for a hasty
 look: he is abt the size of the
 Linnet & was on the same perch
 for a moment. Temp of the Sugar
 Woods Spring 42°: this Spring moves
 up the hill as the summer advances
 & finally gives up its life in a little
 wet spot by the fellow *Cypripediums*.

1860 1905

24 May. a very beautiful day, tho a bright
white frost over everything early this
morning. Will & I to the top of the mt.
leaving directly after breakfast;
the Crataegus on top not at all
out, but I cut some & have put
in water. The top & the little
glades here were carpeted with
Spring Beauty, Dog tooth Violet
& Sangunaria; I collected
several mosses off the trees:
To North Outlook & then took
the new path down to Roaring
Brook: the lumbering of winter
before last has wholly changed
the look of the forest & I was
much disappointed; we lost
the path in the broken timber
& brush, but finally came to
the road close to and south of
Roaring Brook & then to a 12.30
dinner. P.M. with Kar & ad.
to the lake shore. Kattie's first
walk to lake; heard Kinglet
& Wood Thrush & watched
the beauty of tree & sky.

Hypnum on rock by Palpib Rock

" on log under the

spruces at path to Spring.

" on Crataegi

Pyralisid " "

Orphot " "

Hylacomium on ground of north side mt.

Hypnum " " " " rock

" " " " trees.

Polytrichum " " "

Desmoureaux " "

1905

25 May

AM. with KWK & Mad to Echo Rock:

Hypnum serrulatum ?

PM with Will R to the Scopioides
Boq & while he fished & got some
15 small trout I collected mosses.

Fissidens

"

"

Desmoureauxia

"

Hypnum Scopioides

"

"

"

was rather surprised at finding so little
or no sphagnum where we were.

Loumeira caerulea in fine flower.

Corallophya muricata by Kessie house

1905

169

26 May. Ma & I went home 8.08 train & Mrs. R, H & I drove her to West Burke: Day fine in forenoon: we came home slowly by 10 o'clock. I got *Atrichem undulatum* on Brook path: sudden dark clouds before our 12 M dinner & hard rain in p.m. I worked a little arranging yesterdays masses.

Saw first King bird today
" " Golden winged Woodpecker

"Will R." says "The Juncos have come back" when I supposed they staid here (some of them) all winter, but he says no.

wonderful yellow hazy sunset in the midst of rain. I stood under umbrella & watched the sky and cliff.

170 1905

27 May

morning doubtfully clearing but afterwards
day very fine. To Cold Brook
path: Temp. of all the Springs &
brooks the same, i.e. 45° - Got a lot
of fossils.

Hypnum umbratum

Enough to send Grant 50 -
In the cold rocks above ~~Roaring~~ Cold
Brook

Thamnum

growing on wet face rock &
Neckera

or some other possible *Thamnum*.

Came home with several mosses
that I worked up in P.M.

1905

1715

28 May Sunday: very fine day.
walked to Crataegus on Bishop farm
but it was not anyway out.

Back thro' Golf pasture & found a
few ~~it is~~
mated for some time

3 Humming Birds on the Canada
Plum trees, feeding & resting on
the branches: they often stopped
while feeding to rub their bills on
the branches.

Mr Ed. C. Sanborn West Burke at
living first house south of
Dr Cheney's fish pond and on
opp side of road brought me 2
Calypto borealis found in

the swamp just back of his house:
they were in prime condition.

Temp. of brook at farther side of the
Golf pasture 50° being thus warmer
than those nearer the house.

1905

Left Willsoughby

29 May

Monday, at 7 am + to West B
Train 4.10 Boston 4.30. met Miss Shove
of Fall River who with a friend had
been two weeks at Lafayette House
Franconia observing birds.

1905

1735

arr. Wlloughby

June 5 at 4.45 for Boston at 10 am
 Dr & Mrs Broughton came on same
 train, they going to Alaska.
 We talked of the Japanese
 celebration last Saturday.
 Hattie & I were met by Will
 & reached house at 6.20 with
 our trunks & load of fresh vegetables
 & fruit from Lockes.

Linclair also had given us
 some living soft shelled crabs.
 Every warm & pleasant &
 I packed back & forth to
 Snogge till 8.30 —

June 6.

Tuesday.

packed up the mt in forenoon:
 everything fresh from the rains
 last night. The Crataegus now
 white near out & blossoms
 appeared to be very few in number.
 Took one bunch to let bloom
 in water here. Brought a few
 mosses for the path & havey Crant's
 left now with me. have been
 busy in this pm.

Fissidens cristatus Mils
 Catarrhea angustata ? & ♀

Brachythecium Salebrosum
 or " acutum.
 Pogonatum album on the path
 Anemodon &c
 Kypium —
 also a Morchella — very much
 corrugated & irregular in its
 adnation to the stipe, app.
 extending in many ways.
 I left my wastcoat on a
 post of the wire fence on account
 of the warmth & when I
 returned it was gone.
 Charles & I have investigated
 this pm and it is evident
 some one had been mending
 fence & had lifted it.

West Burke June 8th
 Mr Kenneth Dear Sir
 Charles Bowler
 found the lost and
 thought someone
 had got and brought
 it home, he put the
 vest on and says it
 and lost the paper out
 of the pocket but
 the paper was
 the friend the vest
 yours truly
 Geo Humphrey



Willoughby Lake House

VERMONT.



N. R. RICHARDSON, PROPRIETOR.
F. W. RICHARDSON, CLERK.

6 June 1905.

Mr. Ira Humphrey:

West Burke Vt. Dear Sir:

Today while botanizing on the mountain I hung my vest on a post of the wire ^{fence} dividing your property from Mrs. Richardson's. When I returned ~~the~~ ^{two} hours later the vest was gone with valuables in the pocket which are of importance to me as being gifts. I am told by the neighbors that you & your man were at work there today mending the fence and I trust you will see that the vest is returned intact to me at once.

Yrs truly Geo G Kennedy

June 7 Wednesday: cool bright day till 2 PM when it clouded over & a cold rain set in at 6.30.

AM I walked to Bishop's farm & got one only fl. spec of the *Crataegus*; brought home a small branch. the tree will be in full flower 'by the end of the week. This one flower had anthers of a pale pink color, streaked or tinged with white, looking under my lens like a minute *Cyperus* in acaule. 5 good stamens 2 sterile & stamens and one stamen made up of two aduate stamens & anthers. also 5 equal styles.

Coming back to the Brook running up into the pasture directly behind the Bishop house I found a shady bank where grew

- Bartramia Oederi*
- Fissidens* (nob) *cristatus*
- Mollia tortuosa* in fruit
- Bryum pallens*, only 3 or 4 plants in the cold gravel of the little ridge.

176
Hypnum hepaticum

at the meadow near old School house.

" *chrysophyllum* not far above
this point:

and getting into what remains
of the once beautiful Eastern Swamp,

Listera cordata

Mitella nuda

+

Hypnum splendens

Thuidia or *Hylacomium*

+ *Trichocolea* as I suppose.

at dinner here were

Mr Watson of Sutton Corners,
Mr Raggles who has cottage

at Cold Brook + from being
a West Burke Druggist is now
President of Bank in

Lyndonville

a young man for the Bank,
they all went fishing in Lake in P.M.
Hattie + I walked to the Picnic
house betw 4 o'c, but no birds
sang in the cold dark air.

on Rock collected

Hypnum populinum.

1905

177

8 June. every spruce tree on Mt Hor
looked like veritable Xmas
tree this morning at 7. For
they were all loaded with
fresh white snow.

The men have been setting Telephone
poles near Mrs R's house to
avoid the trees in the highway
and I have been talking with them
particularly with one

Lynnan Walter
of West Burke a Ginseng
hunter & a very interesting
out door man: his sister
teaches in a college in Penn
she would be a good woman
to go with abt this northern
Vt region as he knows the
country well, betw Island Pond
& St Johnsbury.

Drops of water clinging in the open work
cup made by the fascicle of young
larch leaves have surprised me
this morning by their diamond like
beauty & by the fact that I
never before noticed them. The
least jarring dispersed them,
but they were shining in the

1198
slight sunshine when I left them
as if waiting to be absorbed by
his rays. One single pellicle
of water is minute, but these
larger pellicles, up to at least
five millimeters wide, filled the
lower part of the uncertain cup,
perhaps held in place by a thin
coating of the oils of the young
+ growing surfaces.

Epigaea repens in good flower
this morning - another proof
of the cold weather up here.
growing of course on the cold
side of a cold hill in cold swamps.

I have been walking about the Little
Pond Bog:

Hyp. macinatum var

Dicranum fuscum a very
large fine var. sterile.

Bryum Duvallii

Hyp. Blandovii

Mnium Drummondii, in
the deep grass of the wet
meadows by the *Blandovii*

+ *M. hymenophylloides*
also the very large
Fesederia adiantoides

at the further outlet of the pond.
and a very acute sperculated
Hylocomium

whi were it not for that I
should at once call *Mubratura*
a *Thuidium*

also in the wet grass, ^{may}
down under the grass, that
makes me think I don't
know any *Thuidium*.

PM Hattie & I walked to the
Lake.

very heavy dew on the grass
immediately after sunset.

1905

June 9 Friday. To the Bishop's farm in Am
& collected *Crataegus* flowers.
Coming back followed the Brook
down to the Swamp at Four
Bridges: in brook
Fontinalis Lescurii
and in Swamp
Proachythemum Novae Angliae
Hypnum
Bryum proliferum
Barbula
on trees
Mnium cuspidatum
and under big boulders on Road
Plagio silvaticum.

Remained at home in p.m.
Day has been very bright & fair
the morning coldness giving
way to a rather cool forenoon

10 June Saturday

Three ladies for Lynn came last evening: they are all "upper plants" & today I went with them in an abt the wet meadow &c of Cherry House round by the orcher courses to Snagle & then to the Little Pond Ridge & home. *Equisetum* in the cherry corner as good as ever. & yellow *Cypripedium* in the wet meadow. From me all to the top of the mt. The *Crataegus* no nearer blossom than last Tuesday. but at north outlook got good *Saxifraga* *Argemone* & *Draba*. Afternoon misty & rain set in when we got home. Much beauty & mystery in the view of the Lake for Pulpit Rock & the north outlook.

Mrs Maratta whose husband was 5 years consul general at Melbourne Australia and ~~said~~ Dr. Mueller died while they were there: they knew him well.

182
above

Mrs ~~Boyd~~ Corry at Biddisford
who visited Fortunes Rock
a great deal when younger

Mrs. Boynton -

" Frank Parker above
195 Ocean St Lyonn
Tel 531.5.

Mrs D.W. Maratta
14 Ocean St Lyonn
father is
N. Brewer
Tel. 1017.2.

1905

183

11 June Sunday Rained hard all day
did not go out.

12 June Monday.

No rain today but cloudy &
towards evening very warm
& mosquitoery.

Walked with the ladies to
Roaring Brook, very full of
water: found a junco's nest
with four eggs by the Lake
Roadside. Coming back

went up 4th July slide:

Sax. app. in fruit

Parnassia in flower

Sax. arifolia in neither flower
nor fruit, just the plant.

Astragalus Blakei in flower

Saw no *Hedysarum*.

Carex scirpoides

Scorpus capillacea.

Potentilla fruticosa not in flower
not much there

Asplenium young not much.

No fruiting mosses, brought
back some sterile net

Aydonia, *Mnium*

prot. *Gymnostomum curvirostrum*

184
also *Viola venusta* in the
cold brook.

Celastrus scandens a short
way up the slide:

Rhus Toxicodendron in full
flower:

many fresh young oaks
of fine flowering *Juglans cinerea*.

Got home to a two o'clock dinner
& then took them to the Bag
& woods about Marl Pond.

The great find was five plants
of *Calypso* above Marl Pond
& near the wire fence.

Mitella nuda &

Listera cordata.

Took them also into the
Rhodora place on the
road side of Marl Pond.

1905 1905

13 June Tuesday:

To Cold Brook path thro the Cheney wood with the ladies. Large specimens of the Morchella that I have before found with the corrugated extended-in-folds cap.

They went home by the 1.47 train after a 12 M dinner.

PM It thundered & threatened rain which came in the evening. I across to little Pond from the house over field, meadow & ridge.

Dicranum flagellare on stone
" congestum "
" Juscescens on rock
and a rock mixed with other
Hypna what I call
Brachythelium Thedenii

it appears to answer the L of Description.

14 June Wednesday.

In field back of house & toward Cheney's at Brook

Carex scabrata & perhaps with glava

collected also

Equisetum pratense

& in the Cheney place

along their house supply

Brook various

Mnium which I have not named.

a fruiting Thuidium

a Pleurozium frutescens,

Bryum - a curious one

several Hypnum.

P.M. Took care of the above & before Tea to Pasture Ridge but saw no birds.

Day the warmest yet.

15 June

187

Bryum microstegium

appears to answer for my yesterday's
moss on the Cheney place

There are two things perfectly
Satisfactory here: ^{very}
The Heavens + The earth.

15 June 1905

Thursday. A warmer day than we have yet had.

went to Top of the Mt, in AM but the Crataegus evidently will not blossom for a week.

A big Beech had fallen & I collected some mosses that otherwise would have been beyond my reach.

As usual started two or three partridges. Collected a fungus not a Polyporus.

PM packing to go home tomorrow.

16 June 1905

Friday

Left Willoughby at 7am: arr Boston 4.30 a fine morning drive followed by a warm day.

v.

1905

June 28.

Mosses from Laggan &c
from
Dr A. H. Broughton.

1905
July

4. Solidago.

tracked up Blue Hill at 5
AM & back at 7. Signs of
being a very warm day.

Fine ripe Vaccinium Pennsylv.
& also Solidago juncea
in bloom near the wet boggy
place on top.

Hebea

on the path coming down

July 11. To West Rindge N.H. with road to
call on Miss Woodward.
on the RR tracks near Station
Thlaspi arvense L
Cornelina sativa Coarct.
two northern things, as I have
gathered them.

West Lebanon NH

Oct 27. 1905. NWK & I went to Montreal on
 Tuesday Oct 24 & came back to
 Alder Hall yesterday pm.

Today brought home a moss
 fr. the old wall on roadside opp
 Alder Hall which I suppose
 to be Entodon & it looks flat
 & smooth shiny like to "Cladonia"
 I gathered on wet rocks by edge
 of brook beyond Massie club in
 Canton, on April or last.

1905 Oct 29 Sunday Crossmans.

walked with SK & MK to Crossman's Lane
 the old road to Hillside St & home
 by Forest St, Doe Hollow & Eustis Salt
 In Crossman's brook near old C. house
 got an hepatic growing on & clinging to
 small gravel & stones & always submerged.
 Tried to name it fr. Pearson. But
 Hepatics & called it

1st *Chiloscyphus polygonifolius*
 var. *rivularis*

or
 2nd *Jugosmanium riparia*

Oct 30, 1905. To Winchester to call on Florence Brown & see Kenneth, but they not at home & I roached by 'the Mystic Parkway' to West Medford. Beautiful fall day. very fine white pine on bank betw. Mystic Pond RR with 7 main & ascending branches, thus making a very noble & unusual tree.

Bradford Torrey.

Nov 1. A dull morning with fine day in PM & cold wind by 9 PM.

Took 9.32 train onto Chas E Faxon for Wellesley Farms where Bradford Torrey met us & we walked Glen St & thro the big Deane Estate by his private road & to Wellesley St to Brown St & by school house corner to South ave & beyond Pine St ate our lunch on the roadside & back by pretty much the same way with some roads near the station & took the 3.53 train home. Saw almost no birds & almost no people.

1910 1905

Nov 8. Wednesday Bradford Torrey.

Took 9.15 with C. E. Faxon for
 Newton Lower Falls where B. T.
 met us & we walked back
 on RR across Char River Bridge
 & up front street to left & so under
 the B. T. A. R. & by Seaverus
 Brook lane (a wild pretty place)
 to the road by the new bridge
 leading to Notumbega Park
 on wh. we stood some time
 admiring the reflections in
 the dark water under a
 sunless sky & then by wood
 paths & side hills to top
 of Doublet Hill marked by the
 two or three pines wh. can
 be seen fr. long distances,
 then down towards Mr.
 Deaver high water tower
 taking our lunch by the
 side of a pasture mall wh.
 there not being any sunshine
 was rather cool & made
 B. T. go off in a discussion
 of his admiration for Desert
 scenery as wht. there on
 Arizona where he was
 last year.

From the water tank tower which we ascended for the view we came by road & woods to Mr Wright's place where the lay out of the place is fine, & the big oak by the edge of the wood, revealed by Mr Wright cutting still finer & then to Bert's house close to the open aqueduct & so down to the N.L.F. station for the 3.12 train.

On our way to Doubled Hill for Rosebery a bridge is walked for the Gate House along the top of the new aqueduct for abt half a mile, & a very beautiful walk it was with the brown & yellow woods on our right.

1905

Braintree.

Nov 15. with Ad Hodges, C. E. Faxon & Mr Ekkehart by the 9.17 train to Braintree & to the Faxon old house in a meadowed farm towards Millard & is in the westerly part of the town tho not far from the station. Enroute we stopped some minutes in the ancient burying ground.

I took several photos of the house & lane.

The morning was cold & windy: Ther 20° when we left Boston. & the day gradually got less sunny tho warmer & was 40° by 4 P.M.

We visited an old disused quarry of red granite & then came thro wood paths & by th a fine ice pond on the dammed up brook & so to Dr Symonds trout pond & across country to the old Purgatory Cave on the East side of Blue Hill Reser. Followed that to Braintree Great Pond & then by bridge over the river into the

Reservation by good road to
the Park Place + up side of
Quincy, Mt. Crockett

Mount Ho. of Quincy Mt
up at pt on the road betw M. Crockett
& Burlington: 2 mi to station & about
7. village 1200 ft above sea

Miss Hannah
Table made in 2000 ft up.
There is another house south
of the Summit Ho. by the
where a man has been
take boarders

Mrs. Fiske at the Summit Ho

Miss Kate Hawley or Miss Anne H
Miss Cleghorn their niece
in the village. Miss Day knows
them & wishes to call to
find the better house or
boarding place. Miss C used
to be at Kareliffe

July 3. 1883
The vicar and his
family at the Park Place
Burlington Vermont Oct 11. 1881.

Reservations by good road to
 the Park Place - on side of
 other
 so
 chie
 - we
 to
 rows
 a Prain-
 ed
 lone

Names of members whose monthly dues are not paid before the 15th inst. are posted.
 If not paid forty-five days thereafter, membership may be declared forfeited.
 Checks should be drawn to the order of the Union Club.

Restaurant	.....
do. Ladies'	.....	2 35
Wines	.....
Cigars	.....
Billiards	.....
Cards	.....
Rooms	.....
Carriages	.....
Miscellaneous	.....	2 35

Mr. B. S. Kennedy
 Readville
 Mass.

Boston, MAY 1 1905

MONTHLY STATEMENT
 UNION CLUB

Reservation by good road to
 the Park Place + up side of
 Chickatawbut + down the other
 side to Reservoir Road + so
 to Randolph Ave + Electric
 cars to Mattapan where we
 parked. They to Boston + I
 by electric home.

Saw a flock of tree sparrows
 over by the ice pond in Brain-
 tree. The ice moved
 bear me on the edge of one
 little pond.

1905

Nov 23

Newbury —

went with Ad Hodges by 9 o'clock train to Newburyport & walked about the town. Saw statue of W L Garrison & Washington. The Public Library founded in 1855 & occupied a fine old Colonial mansion in 1865 walked to Parker St via the Frog pond & Cemetery & saw stump of the big elm that H. F. Gould celebrated in her poem. It blew down a few years ago. Took electric car to bridge at old Newbury over Parker River had lunch on the shore. Took photos of the shore & of the memorial to the Early settlers: we had to leave at 2.20 the most beautiful hour of a most beautiful day, a very perfect Indian Summer day. To catch the 2.54 train back to Boston.

We shall go again for a longer day.

The pale colored sparrow I saw in old cultivated field near Parker River Mr. Walter Foxon thinks was an Ipswich sparrow.

251
It flew from the ground abt
30ft in advance of me, & went off
quite a distance say 300 feet
before alighting - it had an undulatory
flight & was some larger than
a song sparrow & quite a
pale color.

NOVEMBER DRY AND SUNNY.

Month Was a Record-Breaker in Sun-
shine According to Blue Hill Ob-
servatory Records.

The records of the Blue Hill Obser-
vatory show that the past month was
the sunniest November in more than
20 years. There were 174 hours of
sunshine, the normal being 132 hours.
The highest previously recorded was
153 hours in November, 1899. The av-
erage relative humidity this year and
the cloudiness were also the lowest
in 20 years. The rainfall was only
half the usual amount, but there have
been several dryer Novembers in re-
cent years. For four successive No-
vembers the rainfall has been small.
This year there was very little rain
until the last few days of the month.
The temperature averaged about one
degree colder than normal.

