Bicknell's notes

1910-1915

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Liberty Fork N.H. June 3 to 18 1911

To field observation after the 1911
On Litchfield for over 6 hours on
June 17 - the plants were marked
with a T.

Red pencil later 1912, June 27 - July 14

On Litchfield Sept. 25, 1 P.M. to Sept. 28,
6:45 A.M.

New plant no. andro. v. 10
Chenopodium anthracinum?

Common weed in meadow & chicken yard at
Litchfield. See also 1912, in abundance.

Pinus Banksiana, Black Spruce, a
small group of trees & a scattering of low
shrubs & smaller trees. The largest trees
were perhaps 10 ft high & 1 1/4 inches around
dbh. 1 ft above base. The Black Spruce
was also found in the meadow and in the
Banksiana & Pinus. I am not certain of the

17 *Ophryosaccus villosus* 17.11 By pool or Golf links, spike
 very immature 1912 July 1. A cluster of 5 good sized plants, spike
 but immature, in sphagnum at edge of E. Mansaukenmoor bog.
 Sphagnum in shade of dense shrubs growing out of dryish moss on
Botrychium virginicum & *B. simplex*... Rd above in shade of trees.

Botrychium obliquum

6 *do virginicum*, Thicket in bog, 1 (good) (sterile)
 7 *do umbrosum* Wet in above 3 plants.

15 ⁴⁷ *Asplenium spectabile*, Below the cliff. Throatlet one left
 1911 Haunnet. 1912 Some abundant growths in Haunnet -
 quite general

15 ²⁷ *do. cinnamomea* 1911, June 3, none seen fertile
 Some quite immature June 15. In Ophryosaccus group fertile
 fronds many of them, still immature & many sterile ones not yet
 uncoiled.

19 *do. Claytoniana* June 5/11 The two tufts east of the
 one left T
 Creek's found growing still undisturbed where I
 found them first in 1908. They were in more perfect
 condition than I had yet seen them and each tuft
 bore several fronds with fertile pinnae (1-4).

A single tuft on Linderwick
 1912 Still at all stations. July 11, good growth in a
 thicket in Haunnet near S. end of Haunnet.

15 ²⁷
Pleridium aquilinum.

Tc

10 ²⁸
14 do *latiusculum*. 1912 Very typical in Squam. borders
of Tom Rivers.

15 ¹
Lomium areolata Near Oldest House, 1911. Small C. in
thicket east of Hanover farm. Chispeno Group, 1912 (Mammill.).
Also Group many places. C. in Beechwood

3 ²
Archista virginica, 1911. Te
the island. Since 15/11. Many fronds still closely coiled.

8 ²⁹
Asplenium filix foemina 1911. Rattlesnake Rock Squam.
1912. Thicket east of Hanover farm (3/4 mile). C. in Squam.

21 ¹
Phlegmaria pteridifolia Masses in dense thicket on steep
hillside pitching to a small pool N. of Mammill. rock at 1/3
distance to observation.

10

H

20

Dryopteris novboracensis 1911. C. in Squam.
Beechwood.

3

27

15 do. *Thelypteris*

Tc

10 H

25 do. *Simulata* 1911 Squam. 1912 very abundant in
Beechwood.

27

4 18 do. *Cristata* 1911. Abundant in open sphagnum
meadow. 1912 Open sphagnum Pond Pond - the
same as most

3

25 do. *Spiniolosa* 1911. C. in thick E. of Shawbume.
1912 abundant in Beechwood.

5 ¹¹ *Polypodium vulgare* July 5. Mexican Pine
in alphabetical note book

11 *Dryopteris intermedia* 1912 C. in Beechwood.

8 ¹¹ *do. Boottii* 1911 Thicket east of Shawkemo. 1912
C. in Beechwood

10 ³ *Dennstaedtia punctilobula* 1911. Thicket in
Squam. Roadside near Polpis. + elsewhere 1912
C in Saco Swamp.

3 ²⁷ *Oreoclea sensibilis* 1911 very C.
1912 abundant.

3 ²⁷ *Equisetum arvense* 1911 very C. near the town
1912 Generally Common

Tc.

10

Equisetum fluviatile 1911 abundant in Irishman
Coffin's sink hole. 1912 July 10. Same place, some about
4 ft high

14

Lycopodium adpressum, 1912 E. Whelan's bog.
+ many bogs.

2

do *alopeuroides* - 1912 July 2. Torontocross, the
green spikes - same place as above. In some places
much submerged or covered with by the high water.

30

22 do *acutirostris* 1912 a mile or so south of fairpoint
fronting well but *strobilis* immature. Not seen elsewhere

34

18 do *complanatum* 1911, June 7, much of it at edge
thicket E. of Shenn's barn. Overstation in stream.
1912. Port middle Pond - quite C generally

18. *Lycopodium tristachyum*. Recipient and bearing.

Obovulate, immature strobils June 6/11 many young strobils
1912 only in Pine Barrens north of South Porters on first
abundance at one place & very prolific some specimens
bearing 7 spikes.

(*Strobus chenopodii* Brauerii)

19. *Pinus strobus* - one tree had old small 1 pair cones

20. *Pinus rigida* 18 ♂ Colburni still retained mostly by
many trees but dried on & dark rusty brown
June 4. Abundantly in full flower, the pollen floating off
in thick yellow clouds when the branches are disturbed.
June 9. A few scattered small trees on or near
Tuckermans - probably not over 5 ft. high. 1912 a few single
trees near Tom Mewers. One tree perhaps 6 ft high near
Salem North Hill

21. *Sylvestris*, 1911 The tallest trees are clearly
over 20 ft high & some perhaps 25 ft. June 11, many falling strobils
Colburni

22. *Larix decidua* 1911 The tallest trees are certainly
30 ft high

3 27
15

Juniperus virginiana, a few small trees below the
a pond near Ash Pond on small one on west bank
loaded with the blue fruit on 11/17/12 July 13 on
Coast the contrast between the white glaucous and the
light green forms was striking. Both forms were in
full fruit, the glaucous being the most prolific.

3 27
20

Lepha latifolia 1911 Abrams Point.
1912 July 10, Coast.

3 27
15

do. *angustifolia* 1912 July 1 x very slender spindly
saw a few from N.W. of the town. Same very slender form
common. Also a bluer broader leaved form very C. perhaps
more in the influence of or near salt water.

23 *Sargassum sargassum*

(16 (few leaves only))

17 do. *androcladum*. 17. Macy. Rd. - leaves only
(26th + 1 large fruit tree 'Lachada Pond').
1912 July 6. + 18 fr. Lachada = *sargassum*.

3 27
19

do. *americanum* Jan 4/11 no flowers yet
1912 July 8, influence of fruit size, stigmas seem mature, but
no mature anthers

11 26
17 *Polanogeton Oakesensis* - Many ^{emersed} flowering
spikes Wawatzenaib Pt. 1912 June 29 + Shumino Pond.
1912 Wignam Ponds.

5 27
18 do. *Pulcher* 18⁵ ¹⁹¹⁰ Emerged flowering. spikes
1911 June 5. In full flower & with maturing achenes
while yet most of the leaves were thickish and dull
purplish brown few being yet definitely green: Pishin
quasi near the shore June 9. Pol. pr. C
1912 June 27 + Red Pond. E. Hiwaukeme Bog, very large
8
20 do *Kuttallii* 1912 Abundant in little meadow near
Ruedwood

11 10
22 do. *perfoliatus* - 1912 only in Long Pond C

(do *mysticus*)

10
22 *Potamogeton pectinatus*, 1912 only in Long Pond

do. *diversifolius*

46
do. *pectinatus* 1911. June 7, Capaum Pond - many plants
visible from the shore, seems to be just in flower 1912 July 6,
narrow-leaved from the shore. *Sagittaria* - not identified.
In dense masses Capaum Pond.

76
25 *Ruppia maritima* 1911. Corkaty, just in flower -
unknown mature 1912. July 6. Same not a. for previous

1
22 *Zanichia palustris* 1912. Satchy in the water -
meadow x. July 1.

Kiax flexilis

Najas guadalupensis

3²⁸
22 *Lostera marina*

T

3²⁸
4 *Miglochen maritimum* 1911. June 8. in full
flower & with well
developed fruit below the cliff, abundant in the same meadow
1912 July 10. The full flowered spike.

5²⁸
18 *Alisma subcordatum* June 5/11. Leaves only
June 9. Drying pool North of the town; a few plants only.
1912 borders of salted field abt 1/4 mile N.W. of original station.
by RR.

10
Sagittaria inflorata 1912 July 10. just
in flower in pool S. of Capaum Pond.

14²⁸
22 *do latifolia*.

Vallisneria spiralis

¹¹ 28
15 *Schizachyrium scoparium* T.

^H
22 *do. villosum* 1912 July 4. Nassau, N.Y.
leaves only, but unmistakable

do. littorale

³ 24
15 *Andropogon abbreviatus* 1911. June 3, last
Loose. plants still erect 1912 generally C.

³ 24
18 *do. virginicus* 1911. June 3, last season, plant
still erect.

⁷ 24
25 *do. furcatus* 1911 June 7, leaves only, on short
culms.

22 *Sorghastrum avenaceum*?

undulata. on south side Duck Creek - lowest
remains of old culture -

?
T

1 *Paspalum psammophilum* 1912 July 1,
plants a few inches long.

do. *setaceum* Sep 25/15, C, along old roadway
W of Island Brook farm.

do. *nukla-kegii*

Syntherisma piliforme

24 do. *humifusum* 1912 seedling.

25 do. *sanguinalis*

T

Echinochloa crus-galli

do. *'mutica*

do. *Walteri*

Panicum capillare

do. *miliaceum*

do. *proliferum*.

5 24
18 do. *virgatum* 1911 June 3, but grass
not dried either but panicle brown.

Panicum agrostoides.

3 24
15 do. *depauperatum* 15th + 1911. June 3 pencil
just beginning to show. 1912 July 1 + *Eurytheca*

10 24
19 do. *linearifolium*

1
do. *ovoides*. 1912. July 1. one plant on gravelly
hillside S. of Thorn lot.

do. *Picknellii*

30

do. *albomartense*?

~~Panicum~~ *Adidonei*

Panicum dichotomum

23 ²⁹ do. *Columbianum* 1912 Jun 29 +

14 ²⁷
15 do. *meridionale* 1912 Jun 27 + T

3 ²⁸ do. *oreola*. 15th panicle half started 1912. Jun
28 +

15 ²⁷ do. *unciphyllum* 17 x panicle well started T
1912 Jun 27 + but much having partly enclosed panicles.
July 4 abundant near the shore near Squam Pk; Pleasant
Lake Pond

17 ²⁷ *Panicum Tennesseense* 17. ^{first there. 7} top of Panicle

14 ²⁴ *do. Atlanticum*, 1911 Common C of the
town. June 14. Spikes just there. 1912 Hills east of
Museum June 29, first spikes there. Forest Pasture
one plant, these being the only plants found. It seems
to be uncommon.

5 ²⁷ *do. Scribnerianum* 15th Panicle generally expanded
172 x. Very C. 18 + generally. 1911 June 5. Spikes
just appearing; 15, panicles well expanded
1912 June 27 + very C generally.

11 ²⁷ *do. Sphaerocarpon* 18th Panicle fully exerted.
1912 June 27 + All parts of island - abundant.

1 ²⁷ *do. clandestinum* 1912 June 27 first spikes.
Now - Fences, Back Harbor

10 2
24 *Panicum mattanensis* Ktouse, 1912 C. about
Tom Sawers & Gelbo Pond. July 2, just coming into flower; open
panicles bent.

9
Chetochloa glauca 1912 July 9 one started
spike in chicken yard - two-fold, the only one seen the
trip

28
do. *versicolor* 1912 Readily recognizable from
its purple leaves.

9
do. *viridis* 1912 July 9 one partly started
spike in chicken yard - two-fold, the only one seen.
July 12 one spike by street side.

do *italica*

Cenchrus tribuloides

Lizania aquatica

10 *Hornalocochus oryzoides* 1912, leaves only

3 27 -
15 *Arthrostichum odoratum* 15th T
1911. June 3. 7 C. some old, some with fresh anthers.
1912 June 27 Mostly with spike. wholly dried, some fresh. all
over the island.

19 *Savastana odorata*

Aristida dichotoma

do. *gracilis*

120

do. *purpureascens*

3 24
15

Agrostis alba Panicles exserted but close
T
forward. 1911. June 3, panicle tips just appearing.
1912 June 27. panicles of alba mostly not yet expanded
vulgaris +

26 28

do. *'aristulata* 1912 June 28 +

3 24
15

do. *maritima* 1911. June 3, no signs of flowering
T
June 16 + 1912 June 27 + + July 9 generally + Abundant.

16 30

do. *hyemalis*. 1911 June 5. Gibbs Pond, C.
but no signs of flowering 1912 July 1, inflorescence just showing
on forward plants July 6. generally just coming into flower
about Gibbs Pond, no fully expanded panicles yet.

4 24
16

do. *aristoides* 16 + 1911 June 11, panicles well
T
exserted but still contracted. 1912 June 27 mostly
oldish

Agrostis elata

3 24

15 ^{15th} *Holcus lanatus* + but many panicles just
emerging 1911 June 8, panicle tips short, in some places

June 10 not nearly noticeable until today 1912 June 27 + many
old & contracted panicles, all over the island

3 24

15 ^{15th} *Arca caryophylla* + beginning to flower now only
2-3 cm. high, leaves 6 cm. cloddy the ground like a moss -
Golf Links. 1911 June 3, first spikelets just show, June 14,
1912 June 27 + Sunfords,

5 28

19 *Aschampia pleurosa* 1911. June 5, panicle
tips started 1912 June 28 + all over the island. Coarse
July 13. Panicles all dried up.

3 24

15 ^{15th} *Danthonia spicata* +. A very abundant grass
either in the dryest soil or in boggy places in low
places 1911. June 5. spikelets just show
1912 June 27 of very C. everywhere

10 11

do. *Compressa* 1911. June 10, first spikelets

show. 1912 July 4, in full flower at original locality in
season, only western or low, square - old

3 27
15 *Spartina cyrenaroides* June 27/12 first
spikes show. July 6. a few panicles nearly full; 9th to 10th
July 13, generally showing panicles.

7 7
do. *juncea* 1911 June 7, leaves only.

3 6
do. *patens* 1911 June 8, last season's culms still
erect, some with flowering culms 1912. Culms July 18,
just in flower.

3 27
15 do. *glabra pilosa* T.

do. *alternifolia*

(*Phalaris canariensis*)

4²⁷
18 *Phragmites Phragmites* 1911 June 4 last year
culms erect

4²⁷
15 *Iridos flava* Kunth, leaves only July 3/12
leaves only.

Triplaris purpurea

Triplachne maritima

Eragrostis Puvionii

12
do. major. July 12/12, Bikes with them.

5 9
16 *Eragrostis Rectinacea* 1912 June 27,
leaves only-

27-10
do *spectabilis*

27
Distichlis spicata 1912 leaves only

3 27
15 *Dactyloctenium aegyptium* 15th T.
1911 June 3. some with panicles exerted but mostly close, some anthers out.
June 16 + 1912 June 27 +

3 27
15 *Poa annua* 15th
1911 June 3. + 1912 June 27 +

3 27
15 *do pratensis* 15th + C. 1911 June 3. + 1912, June 27

3 27
15 *do. trivialis* 15th
1911 June 3. some with panicles not yet exerted.
1912 June 27, oldest, still seen.

3 27
15 *P. compressa* 15th x. 1911 June 3. panicle tips
short. 1912 June 27 +

do. serotina

14 27
17 *Panicularia canadensis* T. June 14, panicle
just short. 1912 June 27 Panicle well started but
spikelets not full size. July 6 + abundant generally.

17 *do. noricata*

5 28
19 *do. americana* Shore lot, panicles appearing
the creek. 1911 June 5. leaves only, got panicle tips
short - 14th. panicle well developed.
1912 June 27. panicle generally conspicuous, yet immature.

4 28
19 *do. pallida* 17 + Port on Gulf heads; near Bay
Coffin's - 1911 June 4 panicles half started, very c. in
fruit - 1912 June 27 much of it dried or withered
but also much fresh, very abundant. July 10 still +

10 ²⁷
20 *Panicum septentrionale* 1911 June 10,
first spikelets show - considerably later than *P. acutiflorum*.
Polpis, Morlet. Swamp. 1912 June 27 + July 12 +

11 ²⁸
17 *do. acutiflorum* 17 + Pool on Golf links
1911 June 4, panicles half exerted same station. Also near
Benj. Coffin farm. C. north of the town in many pools &
ditches Kilsentown 1912 June 28, many spikelets fallen
but many fresh.

3 ⁹
17 *Panicum fasciculatum* 17. Mostly dried
1911 June 3. panicles just showing. 5. panicles fully
spread, large form by the railroad. 1912 Newadun
Madagascaram Ponds + July 9. Madagascaram

3 ²⁷
17 *do. distans* 17 Mostly dried, some fresh.
1911 June 3. + June 14. Still many fresh panicles.
1912 June 27 + a few tufts near the wharves -

14 ²⁷
15 *Pastura myosuroides* ¹⁵ x along road to Golf links. - Island
Owen farm. Head of Newmarket. Abundant along
railroad. 1911 June 14, panicles begin to show.
1912 June 27, still immature

27
16 *Postica capillata* 1912 June 27, generally
dried

3 27
15 *do. ovina* ^{15th} + 1911 June 3 + 1912 June 27 T
oldish or dried.

3 27
15 *do. decussata* ^{15th} + 1911 June 3 + T
1912 June 27, oldish

3 27
15 *do. rectora* ^{15th} *pandis* not expanded 1911 June
pandis beginning to show. 1912 June 27 + T

3 27
15 *do. octopora* ^{15th} + Below the cliff. 1912 June 28 +

15-²⁷ *Artica pateralis* + very C. tips just show -
everywhere. Aquam 1912 June 27 + abundant
1911 June 6 panicle
get beginning to be seen

3-²⁷ *Artica pateralis* 1911 June 3. a large clump on
Easton Street, the panicles fully charted

3-²⁷ *Bromus laetevirens* 15th + low found but there along
road back of the cliff. Abundant on the sand dunes
toward bathing beach. 1911 June 3. + June 10 + June 20
+ Feb. old fields. 1912 June 27, all dried.

11-²⁸ *do. Sterilis* 1911 June 4. A large mass on the dunes.
1912 June 28, + panicles dark purple.

30. *do. arvensis?*

3-¹⁴ *do. Commutatus* 15th + sandy roadside it was
place above the cliff. Streets of the town
1911 June 3, panicles just beginning to show some locality
1912 July 14, panicles dried + poplars nearly all fallen

3²⁷
15^{15th} *Bromus hordeaceus* + abundant T
1911 June 3. + abundant, heads & roots
1912 June 27. Mostly dried, only very small plants fresh
July 14, still some fresh panicles

17⁹ *do* *Secalinus* ^{14th} Herbert Wood's yard, some
panicles fully expanded. 1912 Liverpool

3²⁷
15^{15th} *Lolium perenne* + 1911 June 3. Some with
panicles fully exerted. Panicles out. Madaguet
1912 June 27 +

do. Italicum

3²⁷
15^{15th} *Alopecurus ictericus*. Spikes just exerted
1911 June 7 Panicle tips show. 1912 June 27 +

¹⁴ 15 ²⁷ *Agropyron littoreum* ¹⁵ ⁷
Only places above the cliff. ¹⁵ ⁷

³¹⁴ 17 *do. pilosum* C. along River ⁷
1911 King's letter form?

²⁷ 18 *Hordeum vulgare*, frequent on rye
& grain fields. 1912 June 27, In a number of fields
both annual & perennial forms.

⁷ *do. jubatum*.

Elymus latifolius

3 27 15th *Calamagrostis canadensis* 13th 7
appearing 1912 June 27, scarcely yet in full flower.
very C.

do. *cinnoides*

3 27 15th *Gnaphila arenaria* T

20th *Sphenopholis palustris* 20th 7 Apr 1 July
It in Hall's Catalog. 1912. July 8 panicles all dried.

Cyperus diandrus

do. nivalaris

do. Nuttallii

24

do. dentatus 1912 June 28. * dry sand 4 mi
of the town

6

do. esculentus, 1912. July 5, leaves only

do. speciosus

Cyperus Tripsacis

do. *compositus*

30 do. *macilentus* heads just there T
1912 June 30, spikes small 1/2 in. July 10. of good size

13 do. *Grayi* heads just there T
1912 July 13. Coats, spikes, just there.

17 27 *Eleocharis acicularis* 1911 long C
in Polpo Ponds 1912. very C.

Eleocharis obtusa

T

17 *Eleocharis polystachya* 17+ in two pools
on Golf links 1911. June 11 + C. in Howkemoos meadow.
In full flower Almanac Pond June 15, nothing seen of
6 *E. tricostrata* 1912 June 27 + very C.

7 25 *do. glaucescens* 1911 June 7 Capsum Pond
1912 Maconist Pond. July 9 abundant T in full flower.
Madagascar d.

do. acicularis

25 *do. tricostrata* July 7/12 Almanac Pond, a
great deal of it in full flower the achenes very
minute but showing their characters under a lens.

3 15 27 *do. tenuis* 1911 June 3 + 1912 June 27 + T

28 *do. rostrata* 1912 Reguidness Pt.

12 28
Scirpus nansus 1911 June 12, leaves only.
 1912, June 28, dense masses of leaves, July 9, in full flower
 Madeguscha Pond.

3 15 24
do. americanus spike just appearing

7 17
do. validus, Head of Hammock.
 Socorro Pond, 1911 June 7. Capacum Pond, no spike
 yet June 8. C. Shaw Kemmo meadows ditch, panicle just
 appearing. 1912 July 1 Shaw Kemmo panicle full. Macomet
 Pocosno - South Shore Ponds - Co atue - an abundant
 growth
do. occidentalis

1
do. paleodurus 1912 v. M. arid in Shaw Kemmo
 meadows

4 19 7
do. robustus 1912 July 7. a few small
 plants struggling up where
 the growth had been burnt by fire in -

10 H
do. novae angliae June 10/11 Squam Pond
 spike just appearing. Abundant in wet of Co. Kelly Pond
 June 12/11. spike small.
 July 4. Squam Pond.

11 28 T+
19 *Scirpus rebotinctus* 1911 June 11. damp grassy
lot back of the "Springfield" - authors dried. 1912 June 28.
well printed

3 24
15 *do. cyperinus* 1912 July 10, inflorescence
just beginning to show in short green bracts.

do. pedicellatus 200

20 *Euphorbia viride-caroliniana*

29
20 *do. tenellum* 1911 Nothing seen of it this year.
1912 June 29 + 30 mile E. of Simmons farm. 1912 Round O.
Annapolis; Pond W. of Altar Rock Hill, Shawlands - one pool - W. of Cape
do. gracile

20 *Encyphora virginicum* 1911 June 7. Last
year culm & axes of inflorescences. 1912 July 1. Very small
green spikes. July 6. do.

11 *Rynchospora glomerata* 1912, July 11 x

do. *alba*.

do. *Gorreyana*

15 10

25 *Cladium mariscoides* 1911 June 15 C 117.
Palms ponds. inflorescence just beginning to appear. but
very small & close. 1912. July 10. Spikes small not yet in
flower

Scleria triflorata.

3.
22 *Carex intumescens* 1912, only at one station
Trotts Swamp.

8 28
20 *do. leopulnæ* 1912, June 28. + but many
spikes immature & only partly exerted.

11
do. pedunculata

11
do. lupuliformis. Entirely by late.

14
17 *do. utriculata* - Old Station
1911, June 4 + but no mature spikes.

3
22 *do. mosaic* 1912, July 3, oldest, only, at the two
stations west of Trotts Swamp.

9⁴
15 *Carex bullata*: Smeg., + Quaise

7²⁷
17 do. *livida*, Hornlot, spikes not fully mature
Reed Pond - Little Rock 1911 June 7 Abrams Pond,
spikes very immature, 15th Sonnet, spikes full size
1912. June 27 + frequent, generally.

7²⁷
17 do. *Cornosa* Head of Hummock, Horn lot, spikes
full size June 27¹⁹¹² + Reed Pond; in great abundance
along pool in Shaw House. C.

9²
14 do. *vestita* Smeg., Quaise; Polaris & a
number of places

14
17 do. *Walteriana*, Old Station, only a very
little fruiting 1912. Not found at Old Station, being
crowded out by advancing shrubbery.

6 27
Carex longinova 1911 Red Pond Station 1912 do.

11
do. hirta 1911 June 11. A considerable ^{growth} in perfect
condition of spikes at one place in grassy damp lot back
of the "Springfield"

6
18
do. stricta, W. side Red Pond, several
scattered but one dense tuft now found.
Two large tufts, little dark bog, but most of it
scattered along the bordering shrubbery. Edge
Long Pond thicket

15 27
do. Goodenovic 1911 June 3 + 10 spikes full
size. 1912 June 27 + 10 spikes full

8
20
do. gynandra 1912 Bog hole near Catfisc, mouth
of St. John's Water Run.

9 H
do. crinita 1911 June 9 + Quaker near the
pool. 1912 Squam Pond. One vigorous group, broken
spikes July 4 -

9²⁴ 20 Carex oregonensis 1911 Quince T
1912 Costaricensis form in Quince & Birchwood.

8³ 17 do. Tenney's 1911, June 8, Thicket east of Hawthorne.
farm. 1912, near Round O, Swamp.

3¹¹ 18 do. pallidissima. One plant near Red Pond
1911 June 3, one plant below the cliff. & Tenney's
Quince 1912 July 11, one plant in meadows near Phipps
School.

do. conoidea

4²⁷ 17 do. Pennsylvanica 1911 June 4, spikes in
perfect condition 1912 June 27, leaves only. July 5, dry
spike remaining.

12³
20 *Carex Gummovii* June 22/11 Coskatz, steel
green spikes

26 *do. umbellata*

4 28
do. Torva 1912, June 28, leaves only

8 1
22 *do. leptalea*, little stock bog,
Shawcukano Bog 1914 June 8 + a good deal
along with in Shawkummo meadow. 1912 July 1, C. in same place
Sachuck Pond -

4
17 27
do. stipata C. alt. Her lot
1911 June 11, C. Shawkummo meadow. C. in low meadow
ditches N. of the town 1912 June 27. +

14
15 23
do. vulpinoides 15⁴ very monotonous
1912 June 27. + quite C.

1 Carex diandra 1912 July 1, Shawanemo
woods - spikelets falling or fallen

Carex annectans

3 27
15 do. muricata Ken Roy, Coffins farm. A
wide hole in a field towards Reed Pond filled
with it. 1911 June 3 x 7 ft. about base of Westram
Coffins monument, also between there & water works.
1912. East of Poorhouse

1 do Cephalophora 1912 July 1 one plant +
at original station by E. Shawanemo Chert

8 29
18 do Muhlenbergii 1912 June 29 + frequent in T
Shawano. 1912 W. of Sankaty.

3 27
15 do cephalantha 1912 June 27 + but mostly overripe
1912 July 10. Still some fresh, but mostly very green
barley.

2 28
25 do. incomperta 1912 June 28 + very wet boggy
place east side of the Creek near the dam; the
long slender leaves not obviously tufted suggested
a lot of Carex filiformis

9²⁴
17 *Carex Hornei* 1912 June 29 + T

8
do. *depressa*, 1912. Iguazu, a station for
Botrychium simplex. July 8, fresh spikes.

5²⁴
17 do. *disjuncta*, T

7²⁸
17 do. *subulacea* 1912 June 28 +

8²⁷
15 do. *scoparica* 1912 June 27 + T

22 do. *strobilacea* 1912 only W. of Iguazu imp.

Carot' echinodes

³
15²⁷ do. *Silicea* ^{15th} 1911. June 3 x 1912 June 27 + 1

³
15²⁷ do. *hornathodes* ^{15th} fully mature 1911. June 3. x T
1912 June 27 +

¹⁵
15²⁷ do. *alboluteus* ^{15th} 1911. June 15, not seen
before today, shells very immature; apparently the
latest of the Carices here. 1912 June 27 +

²⁹
do. *alata* 1912. very boggy spot east of the
creek towards Manomoy.

9 A

20 *Arisaema pusillum* Nutt. var. f.

1911 June 19/11 + C. in Queen's Park definitely convoluted
or ribbed both outside & inside. 1912 July 4 some flowers
seen, Queen's Park.

3 27

15 *Alisma californicum* 1911, June 7. An abundant
species along the N. side of the island. It is wonderfully abundant
about pools & ponds N. of the town in low meadows. 1912,
July 5, full size spikes.

9 1

22 *Lemna trivulca* Smeg/11, choking ditches on low
meadows N. of the town. 1912 July 1, do. also massed in
a lily pond. Long Pond. Sep. 26/15, no Bottom Pond
in great masses.

H 1

22 do minor. Sackata Pond - 1911. very small.
appearing from in ditch in Shawano meadows, but
miniature 1912 N. of town. Capau Pond; C.

Lycis flaccida

do *Caroliniana*

16 ⁶⁻²⁰⁰

July 6

Eriocaulon septangulare

1912, one tuft in a
Hydrant Pond x.
Long Pond 10th +

much of it in a cluster on the ground +

15 ²⁷

Tradescantia virginica +

15th numerous tufts
all through the

grass (Anemophila) in sand lot N. of the town. + 18th
A strong tuft, no buds yet opened, in grassy depression
in opening among pines S. of fair grounds.
1911 June 11 +

17 ²⁷

Pontederia cordata

1911 June 4, lower street
very small & narrow. 1912 July 10 x Long Pond

1

do. angustifolia

1912 Hydrant Ponds,
leaves only

(*Noteranthura dubia*)

15 ²⁷

numerous specimens 15th families show well

T

1911 June 3 panicle begin to show, 1912 Panicle of
foot high but very immature June 27

3 ²⁷
Juncus littoralis 1911 June 3. Lost localities
below the Cliff. Family nearly full size, much of it on
Shaw's Run meadow. 1912 June 27 +

15 ²⁷ 15th
do. leucocarpus + 1911 June 3. Miller just above.
Plants very small. 1912 June 27 exceedingly abundant
along damp roadside in low places. 1912 very C.
Gibbs Pond & everywhere.

3 ²⁷
do. Gerardii 1911 June 7 & 12th + T
1912 June 27 +

3 ²⁷
do. tenuis 1912 June 27, inflorescence short
well.

22 ²⁷
do. 'archilatus', Lost rock edge of West's Spring

4 ²⁷ 15th
do. Greenei family just above. T

3 24 15²
15 *Juncus dichotomus* paniculae dense & very immature T
17 x 1911 June 3 - paniculae just shown.

9
do *marginalis* 1912 Newicker Pond July 9
the only place noted this trip

6
do *aristulatus* 1912 July 6, Point Ponds, Coos
only.

16
22 do. *pelocarpus*. 1912 somewhere not seen.

11 3
17 do *militaris*
Lackaha pond Aug 28, 15 2 15 4 pm.

3 24 15²
15 do. *articulatus* *cyrtocarpus* immature T
1912 June 27 + seems to be generally C. July 14.
very C. the dark paniculae conspicuous in low ground

Juncus articulatus

5 27
15 *do canadensis* T

7 27
15 *do. acuminatus* ^{15th} *reflorescens* *minutiflora* T

5 27
20 *Juncoides can. portia* 1911 June 4 Below the
Abrams Point Sylum. Seems to be a common
plant, 1912. C. June 27, fast drying T

Andropogon sessilifolia

5 27
15 *Andropogon fulvus* 1912, July 3 T

3
Andropogon portia 1912 Collins farm,
scattered along the border of the Swamp

5 29

20 *Lilium philadelphicum* 1911. South Hills,
1912 West of Sactacha. No flower buds yet. July 9
No flower buds South Pasture

19

do. *superbum*. 1911 Guernsey, Squam. T
1912 July 4. Leafy plant in Squam, green flower
buds. Bog hole near Catfoss; W. side River bank,
July 11. Flower buds already on declined peduncles. A small
peduncle in Squam, say, one foot high, with a single flower
bud.

22 *Allium canadense*, 27 ft. ^{27 ft.}
'Aconet edge of ditch 24 ft. in full flower

15 *Ornithogalum umbellatum* 15 ft.
1911. June 4. One plant on grave lane; others on lower
hills on S. side Cliff Dn. & other lawns in town. one left
below the Cliff in field. got up 12 ft. 15 ft.

10 2

20 *Aletia farinosa* 27 ft. No flowers yet.
1911 June 10. Stems a foot high. 1912 July 2
Some stems, mostly not yet in flower. July 11 + Squam

3 27

25 *Asparagus officinalis* 15 ft. + 1911 June 7. T
Frequent along shore near Abram's Point. Co. K. G.
1912 July 1 ft.

19 *U. racemosa* 1911, June 8 perianth
still close & greenish 1912 June 29 out of bloom

17 *do. stellata*, Hornet. & 1911 June 29
1912 June 27 fruit purplish. Some small plants in bear
berry on south pasture near the shore have the later leaves
perfectly glabrous beneath.

20 *Unifolium canadense* 1911 June 5, t. in full
fresh flower. More
abundant than I have before seen it here in thick
by pool near artist's pinacle on W. summit road.
June 8 & forming a close carpet in thick E. of Hawk Run.
1912 July 1. Out of bloom.

20 *Salicorrea biflora* a dense bed of
large plants in Beechwood 1911 June 8 Rattlesnake
Bank. flowers dark. 1912 thickets in Hawk Run.

20 *Hebeola virginiana* 20th + N. R. Run.
June 20/11 Square. 1912 July 11, + Beechwood, some
plants unusually large.

19 *Smilax herbacea* 19th + Greenham
1911. June 8. Rattlesnake Bank - on the point of flowering
Quaise June 9.

81
18 *Smilax rotundifolia* 1911. Guidner road T
June 10x 1912 July 1. flower fruit.

6 27

24 do. *quadrangulata* 1911. June 6x in shade
below the Cliff. 1912 July 1. green fruit - pedicels
more slender than in *rotundifolia* the fruit short stipitate -
tendrils much shorter & slenderer than in *rotundifolia*.

7 28

18 do. *glauca*. 25th June 14/11. Covered
with flower buds, ^{ready} flower lot. but none yet open

Nyctaginia hirsuta

6 27

15 *Ilex verticillata* 15th 1911 June 5x 1912 June
29. Some flowers remaining. July 6. do. 11x a few flowers.

7 27

15 do. *prismatica* 15th 1911 June 7. leaves only -
June 15/11. Here tops to buds. 1912 June 27 a few
lost flowers - July 1. Heads in one place blue with it.

307

Thorn Pt. Hawaii Kaimo. C. Villagers
June 8/17. C. 'Ishao Kaimo meadow. 12th + Cor. Katy
1912 gentle C. Summer. Last flowers July 6. Still a good many flowers
July 10. Still flowers. C. abt. south shore Ponds. & elsewhere

7

7

Gymnadeniopsis clavellata.

1 15² 24 *Blephariglossus Blephariglossus*
1911 June 15. Holes just appearing, very small & close.

(*Elephantopus ciliaris*)

- 14 ⁹ *do. lacera* ^{leaves only.} T
1912 July 9 Madagascaron Pond, small flower buds.

- 15 ²⁷ *Papaveria ophioglossoides*, 172 large flower buds
23rd x 25th 1911 June 15. Polpis, one station of.
1912 June 27, a single belated flower. July 1, much of it in
flower at one loc. in Guarsi July 6, still many flowers
July 11 still a few flowers

- 17 *Limonium tuberosum* ¹⁷ ^{27th}
1912 July 1, pink buds July 3 x 6 generally, just in
flower, July 11 + 13 +

- 3
20 *Arctostaphylos bulbosa* 1911 June 5. Above
were several hundred flowers within a space of
a few rods - a fine sight. The flowers were
so abundantly light colored this year & many were in
close clusters of half a dozen or so - some, two flowers on
a stem. 9th C in places 10 + 20 in sub-bags.
June 15. Still some flowers.

Sedum Rockii

Stedion gracile

do. cernuum

Leptorhis Loeselii

3 28
15 *Populus alba*, along the Semet road.

3 28
15 *do. candidans*

5 1
17 *do. grandidentata* 1911. June 5. first appears
in triangle between Semet & Wauwinst
roads - some of *P. tremuloides* with it.

11 30
18 *Populus tremuloides* S. of fair recent
among the Pines at 2nd place 1911. One station
in Squam - quite a colony. C. E. of its town among pines
or Hemlock land.

3 21
17 *Salix fragilis*

9 21
22 *do. alba x fragilis*

27
do alba

do Babylonica

11 27
12 *Salix imitiana* At Sal. Place near
Capuron Pond. 1911. Square, 8 or 10 scattered trees
forming a winter boggy place near the shore

11 27
23 *do. viminalis*

15 2
14 *do. cinerea* The Tundra tree has
lost its two main trunks chopped down the
new shoots here; about 6-8 ft high. 1911 June 15
now att. 10 ft high.

15 27
15 *do. pentandra* Below the cliff near the cliff top, bog
1911 June 6 many fertile catkins still.

3 28
15 *do. purpurea* Below the cliff near the cliff top,
1911 N. of the town in several places.

6 3
15 *do. cordata* Below the cliff near the cliff top, bog
elsewhere. many fertile catkins still. or June 6/11.

22 *Salesa nigrida* 1911 June 9, Lark large cluster
by pool N. of the town with many young & catkins.

4
20 do. *discolor* 1912 E. Maunakemano Bog.

5
24 do. *ericocephala*

15
24 do. *Bebbiana* 1912 C. Gibbs tramp

24 do. *humilis*

15
24 do. *tristis* 1911 seen only near Iroquois.
1912 one patch on hill S.W. of Copacoua Pk.

Salix sericea

153
14 *do petiolaris*, Tote Swamp.

+ 10
11 *Myrica gale* 1911, a thick cluster fully 6 ft in diameter & 3 ft high at foot of bank to tide pond Abramo Point. The Capaum Pond plant still exists but much of it has died. A small plant less than 1 foot high was found growing on the shore abt. 100 y yards from the original area 1912. Original patch & same small plant. 1912.

5 27
15 *do carolinensis* 1911 Some 4 ft, many cuttings same S. V. but not any yet mature.

4 30
22 *Comptonia carolinensis*.

5 29
20 *Hebea alba*. 1911 Some 5 ft, many cuttings still immature. 11 ft at Kaurumier, anthers red but still immature.

10 H
20 *Nicotiana speciosa*, the Norway
tree 1911 do. - actually a close group of 3 trees
another close to Naamnet (see pocket note book) clust
of green miniature cottons

21 do *glabra*. One or two low trees among
Pines S.E. of town 1911. A Hickory in Gold Pines
Pines was either this or the next.

11 B
do *ovata* 1911 Small Naamnet Pines - a
number of small trees, the largest perhaps 18 ft high

(*Carpinus caroliniana*)

8 H
19 *Corylus americana*, *Trachium* etc
1912 June 29 fruit full size 1912 C. well fruited on
Kallawake River, sometimes in same cluster with
the next.

19 do, *rostrata*. 1912 July 5, well fruited

7 24
20 *Betula populifolia* 1911 Certainly 18 ft
left among pines on Mount Eol. A strong cluster in
Squam. also at junction of Maunui & Kona roads.

7 28
25 *Alnus noveboracensis* 25th Lachar. Pen.
1911 Young still growing well at Capraun Pond.
1912 found again near the shore of Monowah - a small group
or close thickets.

104
20 *Taxus grandifolia* ^{a single cluster of trees, Kona Mt. T}
See Squam. in 1911. July 35 ft tall in
Redwood 1912 One tree 70' around in Squam,
see lettered note book.

9 30
18 *Quercus coccinea* ^T
S. of fair grounds. It seems almost as much
nigra as coccinea.

9 2
22 *do tinctoria* ^T

26 *Quercus pagodaefolia* a fine tree
in Shaw and Korman's garden (1911) and
a lot above the base of 12 feet high
same tree. at the original tree in garden is dead
but another of about the same age not 23 ft away in the
street is very healthy

19 ²⁹ *do. ilicifolia* 1912 one cluster of scrub-
trunks certainly 20 ft high in Beechwood.

9 ²⁵ *do. alba.* T

7 ²⁹ 20 *do. stellata* 1911. Aquidness Point Road
1912 July 6. two trunks together alt. 100 yds E. of eastern
Wigwam Pond (alt 7 ft high) one alt. 5 ft high closer to the
Pond on one side.

18 ²⁹ *do. prinoides* 1911. Same h. near Wicwam Pond
Correct with very yellow cottons
but no pollen mature - same by *Quilicifolia* shows
or abundance of cottons all round & brown
June 5, the same observation elsewhere. anthers
yellow, those of *ilicifolia* red or reddish tinged.
those of *rupestris* yellow like *prinoides*.

5 27
22 *Quercus rubra* - Long Pond wet
8 *Q. bicolor* & *Q. tinctoria* 1911 June 5 first
appears about 1 1/2 miles from town in triangle form
by Stoumest & state roads.

11
Ulmus americana

11
do compacta

3 1
9 *Humulus Lupulus* 1912 July 10, much of
it twining among the sand vegetation of a swamp
in Moulton & Heming native.

do japonicus.

(*Cannabis sativa*)

20 *Morus alba*.

(*Urtica urans*)

do *hyalii*

4 29 *Adiantum punctatum* 1911 June 4. minute seedling
only. 1912 June 29 seedling only.

4 29 *Boehmeria cylindrica* 1912 by petiole
plants at Agueda Pt. Pond.

4 24
17 *do* *scabra* 1911 June 4. a few inches tall

(*Paristena pennsylvanica*)

5 30 *Comandra umbellata* 23 d. 1911 June 5th
 1912 July 2nd Scout, C. alt. *Paristena* & near base of alt
 2nd under of R.R.

3 27 15 *Paristena acuticella* + June 4 ^T Beginning to
 redder in the fields. Frequently forming a broad patch with
 with the daisies

4 27 19 *do. Brittanica*

3 27 15 *do. crispus* June 3/11, inflorescence evident but
 immature 1912 Forms with the seed swelling short & somewhat
 obtuse C. also form with seed swelling narrowly attenuate
 very acute. This character varies a good deal in the
 same plant.

3 27 15 *do. obtusifolius*.

3

15 *Rumex crispus* x *obtusifolius* 1911. June 3, plainly
leaves - no signs yet of inflorescence

9 *do. persicarioides* 1912. Nobaden Pond, July 9,
leaves only.

9 *Polygonum maritimum* 1912, Madeguesham
Pond July 9.

3 27
15 *do. aviculare*

3 27
15 *do. Monsteliense* 15th 1912 July 9, beside
C. at Nobaden Madeguesham Ponds 1 or 2 full
signature again.
flowers; *P. neglectum* with it shows it first winter
flowers.

14

Polygonum barbatiflorum

do procumbens

16

25⁹ *do neglectum*, 1912. C at Roba de la V. Rodriguez
Port, July 9, - a few minute perist flowers.

do prolificum

do atlanticum

6
Persecaria pennsylvanica 1912 July 6
Leaves only, 8.10 m. - July 11 leaves of crimson flowered
prostrate form about Smith Shrapnolds.

9 do. *incarnata*

do. *capatifolia*

10 6
15 do. *persecaria* 25. Small, 1 trunk up to 5' high
on the shore of V. acuta -
leaves closely set collected by beneath V. leaves above.
16 24-300
22 do. *hydropycna* 1912 July 10.

15 24
15. do. *persecaria* 17. x one place. T

15 1
do. *opulensanum* T

19 24
19 do. *hydropycna* 1912 July 6. x in pool
W. g. allon Rock Hill

10²⁷
18 *Pericaria setacea* .87. In the water
along the E. side of West Pond

3²⁴
17 do *punctata* 1912 July 6. x Gibbo trunc.

4²⁸
25 do *robustior*

10¹¹
do. *Hartwrightii* Square Pond

14²⁸
15 *Tracaulon sagittatum* June 26. x
1912 July 1.

3²⁷
15 do *convolvulus* 1912 June 27. x T

6²⁴
19 do. *Quincolorum* June 8/11. Small plants in
chickadee

Polygonum tartaricum. Surpise + 48.

9
27 *Polygonum* *Polygonum* - 2 yd 2 high
plant by side of upper main street x 1912 July 9
in land about an old chicken yard at Surpise
+ mature fruit. - probably *P. tartaricum*.

10 2 *Polygonella articulata* 1912 July 2 plants
very small T

3 27
15 *Chenopodium album*, 20" x 1912 July 9. T
small plant since 3/11

3 27
15 *do. bagonum* 1911. Small plants.

do. lanceolatum

4 27
do. murale since 3/11 small plants, 1912. perennials
of green buds.

Phacopodium hybridum

do rectum

¹⁶₁₈ ²⁷*do ambrosioides* ¹⁵⁰small plants

³₁₆ ²⁸*Atriplex hastata* Plants small. T

³₁₈ ²⁸*do arenaria* Plants very small.

²₂₂ ²⁹*Salicornia europaea* Less than 1 inch high &
quite noticeable on little rock. 1944. June 7.
not more than 1 inch high

13

Salicornia Regelovii 1912 Coates T

12, 13

do. *ambigua*, June 12/11 Corkoly; Polipio
1912. across of it on Coates forming bright green
bush.

13

Pondia linearis 1912 Coates, very small

do *parviflora*

12, 8

18 *Salvia Kali*, Plants very small 1912 July 9.

July 9/12 some good sized plants at S. shore ponds x
divisions of perianth cuspidate 3mm. long - filaments 3mm. long
anthers 1.25-1.50mm - styles abt. 3mm. long, not exerted.

10 ?

do. *Caroliniana* 1911 Sealings, smooth leaved
+ apparently also, Wauwauit.

3

do *Tranau*, more vigorous plant by stream in town T
yard.
July 29/12 - A scattering growth of the side about on a shaded slope
divisions of perianth less cuspidate + more
over

tapering stem in Kali - filaments up to 6 mm long
anchored point, 1.5-2 mm. long - styles 11 mm. long exerted
24 & recurved.

Amaranthus retrofractus

1912 June 28, seedling plants.

do. by Bridges

do. fraccigera

do. Clavoides

(do. pumilus)

- 10
17 *Phytolacca decandra* A few plants on road
on Brook Point road 1911 Warrenton - a large plant
8 ft. tall by a barn 10 ft. Much flowering up for a considerable
distance where the commons had been plowed last. Curfords R.
8 National Pines, Gibbs Keweenaw border. 1912 July 1 & E.
24 *Opuntia* ~~cheeky~~
Mallus verticillata

5
24 *Portulacca oleracea*

T

do *grandiflora*.

3 24
15 *Scleranthus annuus* 220
freshly in flower. 1912 very c. + 1911. June 3, sunny only

9 24
17 *Agrostemma Githago*. plants with large
buds in N. Woods back yard. 26" x some flower - a
number of scattered plants. 1911. June 9 one larger
plant in waste ground
N. of the town, no buds yet. 1912. June 27 + wide place in
town. July 11, Chester road Wyndley Road.

12 24
15 *Nolus vulgaris* + Review of foundation on
cliff. Saw some brought from Gleadthorpe stone
Islands? or abundant in one place. Found of
by 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 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1188. 1189. 1190. 1191. 1192. 1193. 1194. 1195. 1196. 1197. 1198. 1199. 1200. 1201. 1202. 1203. 1204. 1205. 1206. 1207. 1208. 1209. 1210. 1211. 1212. 1213. 1214. 1215. 1216. 1217. 1218. 1219. 1220. 1221. 1222. 1223. 1224. 1225. 1226. 1227. 1228. 1229. 1230. 1231. 1232. 1233. 1234. 1235. 1236. 1237. 1238. 1239. 1240. 1241. 1242. 1243. 1244. 1245. 1246. 1247. 1248. 1249. 1250. 1251. 1252. 1253. 1254. 1255. 1256. 1257. 1258. 1259. 1260. 1261. 1262. 1263. 1264. 1265. 1266. 1267. 1268. 1269. 1270. 1271. 1272. 1273. 1274. 1275. 1276. 1277. 1278. 1279. 1280. 1281. 1282. 1283. 1284. 1285. 1286. 1287. 1288. 1289. 1290. 1291. 1292. 1293. 1294. 1295. 1296. 1297. 1298. 1299. 1300. 1301. 1302. 1303. 1304. 1305. 1306. 1307. 1308. 1309. 1310. 1311. 1312. 1313. 1314. 1315. 1316. 1317. 1318. 1319. 1320. 1321. 1322. 1323. 1324. 1325. 1326. 1327. 1328. 1329. 1330. 1331. 1332. 1333. 1334. 1335. 1336. 1337. 1338. 1339. 1340. 1341. 1342. 1343. 1344. 1345. 1346. 1347. 1348. 1349. 1350. 1351. 1352. 1353. 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2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181.

9 *Vaccaria vulgaris* 1912 July 9 + Wauwau
Pond chicken yard.

10 *Silene conica*

17 9 *Lychnis alba* ^{17th} 1911 June 9 one flower.
at Wauwau. A form closely resembling *Silene rectiflora*, the
opening flowers yellowish; styles 2!

5 *do decora* 1911 June 7 in weedy yard. Flowers
deep pink. 11th another lighted yard, flowers deep rose.

3 27
15 *Laponaria officinalis* 1912 July 10, one flower
but showing petals.

30
5 *Dioulis armeria* 1911. one plant by the old foundation
on the cliff; seed. by roadside
bank at Waterworks - no flower buds yet; 14th abundant on
bank by railroad not far beyond the town, no buds yet
1912 June 30 - one flowering, bank by railroad 'as above'.

3 27
15 *Alumina media*

T

14 27

19 *Alnus fruminea* 197 Norway Spruce 1911 June

14th + 1/2 Old roadway across common part of the town. C
near a few yards - bet. Hammett & State roads
1912 June 27 + 20th of the town

3 27

15 *Cera sterna vulgaris* 15th June 1911 June 3 + some seeds nearly mature 1912 June 29 +

July 13 still flowers.

3 2

17 *do Scandocandrum* 19th all dried up

Below St. Louis bluff 1911 June 3 all dried up on lower
front Pt. road 1912 July 2, Scandocandrum all dried up

3 28

15 *do arvensis* 15th + still a good many flowers; 23 -

open flower 1911 June 3 + 4 mature seeds. 1912 June 29
one plant found in flower.

4 28

16 *Lagena procumbens* 22? little black + 1/2. T

most of it where soil has been removed from

deep sand, below 1911 + young fruit. Several low fields off Greenham
Hawthorne spring meadows. Soil is very damp

1912 June 28 + 1 ripe fruit. C. along hills in Hawthorne meadows.

15 *Aronia caryophyllifolia* 17 Still in flower.

Very C. 1912 June 30, some last flowers.

81 *Mookringia lateriflora* ^{24th +} Tom Swens T
1911 June 8, Shawanemo. 9th C. for Grace thick.
Cook Atty. C. June 12/11 + 1912 July 1. Shawanemo meadow. +
meadow thick S. of sea cliff dirt. very abundant on Coahuila, but no
flowers left.

18 *Ammobacca maritima* ^{26th} Ripe fruit T
1911 June 4 + x; Cook Atty 12th still some flowers.
1912 June 27 fruit ripe.

16 ^{24th} *Peperda arvensis* + *Peperda* T
1911 June 16 x.

13 *Peperda arvensis* 1912 July 13. Coahuila, x perfectly
glabrous.

18 ^{24th} *do. nazana* T

3 ^{30th} *do. rubra* 1911 June 3 + 1912 July 2 +.

9⁶
17 *Prasenia schrobieri* 1912 July 6 Pond Pond (middle)

(*Styphelia adunca*)

4²⁸
17 *Castalia odorata* 17^T 1911. June 6, In the pool
below the Cliff a single pink flower is just open.
1912 July 3 +

8
22 *Cratogeomys demersum* abundant in
Long Pond. 1912 Miconet Pond

(*Captis trifolia*)

8²⁴
26 *Actaea rubra* ^{26st} Large and very beautiful
racemes of scarlet fruit just ready to fall
1911. June 8 Racemes of good sized green fruit. 1912,
June 20, much scarlet fruit in dense thickets in
oak woods. July 1 Rattlesnake Bank, much fruit. July 11,
Beckwood scarlet fruit

7

Pariclegen canadensis 1911 June 7. Only one
plant found on Ocquidness Point Road, in
bush flower.

5 27
19 *Anemone quinquefolia* 1911 June 8. A few flowers

Panunculus delphinifolius

5 28
18 *do. obtusiusculus* 1911 June 5, leaves only.
1912. June 30. no flowers yet

3 27
15 *do. acris* ^{15*} + 1911. June 3. + but in many places still
only in bud. Squam. C

3 15 ²⁷ *Ranunculus bulbosus* 15th T
dry fields. Noted as far east as Agardhu PT, often
growing in the beachy & Guadalupe. Aguan C.
Corkaty 1912 Sconet, some flowers.

3 15 ²⁷ do. reports 15th T
bay. Little back bay. Short Vicia form growing
out of the mangrove. 23rd Sconet; Sconet;
Reed and all over the island 1911. June 3 &
fairly carpeting the low meadows with gold. Tristram Coffin
S. M. hole & Guadalupe. Aguan C. 1912 July 3 & all over
the island
28 *Apocynum cymbalaria* 1912 June 28 & 1
fr. the Cuckoo. July 1 & Shonan Kewer, 9th & South Shore
Ponds

8 20 *Thalictrum revolutum* 20th T
Wallo Run
1911 June 8. buds very small & close. June 9. a few small
plants in Guadalupe. Thicket near the shore 1912 massed
in thickets near Wallo Run

11 do. *dasycaenum umbellatum*

22 do. ~~*polygammum*~~ 22nd
various in 110 degree; the
clusters of set stems each, the tallest 6 ft high
last in flower.

5 19 ²⁸ *Sasifraga lasiofraga* 1911 June 5 Still in flower T
at Warblans Point flowering the last of the light

3 29

15 *Chelidonium majus* ^{15th} + 27th 1911 June 3 + 1912 June 30. flowers. July 12. still flowers.

11 28

18 *Lepidium campestre*. A cluster of short-well fruited plants in lay field near South Cemetery 1911 June 11 + 1 fr. det. plant in a cluster in old cartway N. of the town 1912 June 28 fr. grove lane; S. side in chicken yard, not seen elsewhere 1912.

4 27
15

do virginicum ^{15th} * 1911 June 4 no buds yet. T.
1911 June 14 * 1912 June 20 + 1 fr. ripe

16 27
15

do densiflorum ^{15th} + 1 well developed specimen of pods the former material. No buds at the time 1911. Small, well developed short specimen of pods. Broad W. work. 1912. Scattered; frequent abt. town

16 9
17

do neglectum ^{17th} H. March's backyard + 1 fr. 1912 July 9, some well fruited plants about road Chicken yard by Mcmullen Park

Coronopus didymus

Thlaspi arvense

3 ²⁷ 15 ^{15th fruit full size}
Sisymbrium officinalis + abundant
1911. June 3, mostly just in flower, but in some places with small pods

4 ²⁷ 15 ^{15th}
do *altissimum* One plant (15 ft), on land off road vt. C. about a fawn in the desert. fl 15 ft. a large plant (15 ft) on the bank near the highway. 27 ft tall in flower. 1911. Seen only in heavy coffee field. June 14 pods full & ripe no flowers left. 1912 rather a common weed - some flowers still. Entire roadside, Turfside & many places. May 1912 -

1 ² 18 ^T
Ca Rila edentula. Plants very small -
20" one small plant in flower. 26" large plant just in flower on 1500 foot bank. 1912. Scout July 2 small flower buds only.

3 ²⁷ 19
Knautia corymbosa 1911. June 3 +
frequent in old fields & waste places

⁴ ³⁰
18 *Brassica Rapa* 1911 June 3 +

³ ^H
do. *Rapa* 1911 June 3 +

T

³
do. *Rapa* 1911 June 3 + some small plants off
Root Pt. road.

¹⁴
¹⁷
do. *purpurea* 1911 June 14, apparently in
not full S of the town. It is near the church.

⁴ ³⁰
¹⁵
do. *nigra* ^{15th} Small flower buds only. Little seed
1911 June 15, mostly leaves only. Some minute buds; 16, no flowers yet
1912 June 27 generally past in flower, very C.
July 10 +

³ ¹³⁰
¹⁵ ²⁴
do. *aruncifolia* ^{15th} + 1911 June 3, freshly in bloom.
1912 June 27 + very C.

Diplocladus muralis

3 27 15 *Raphanus Rapastrum* + 15th T
Exceedingly abundant in old fields that often appear
solid pale yellow in the distance 1911 June 3 x

16 9 15 *do. sativus* + 15th 7
one plant on lane off N. Centre St. - Col.
Flowering plants by street side 1911 June 16 + 1912
1912. Lurpate July 9 +.

4 27 15 *Barbarea pinnatifida* + 15th
gaily on cliffs 27 being a hollow in a field toward
McAconet Pond, pods strictly appressed in
masses. Seen a few times about town streets
1911. June 4 + with many pods - C. along Brown Lane & other places
June 9 + in abundance in thicket thicket near Gulf Heights.
1912 June 27 no flowers left July 9. Robadec Pond where
4 27 reddish had been known.

18 *Radiola hirtellina* - 18th
18th + 8 fr. 1911 June 3 +, 1912 June 27 +, July 10 +

9 17 *do. hirtellina*, Crystal Station, in full
flower & fruit full size
much more numerous than last year.
1911. June 9. first flowers - a cluster of large plants, some
8 ft high in wet waste ground N. of the town.

3 27 19 *do. arnoracca* 27 + some last flowers
1911. June 3 + ditches & waste ground in town
west side of town marking the course of a ditch through
the long meadow piece with a long line of white. 9 ft +
grease.

4 11
17 *Cardamine pennsylvanica* 1911 June 4 + 8 pods.
1912 July 11. Still some flowers in drying bog hole Coffee

do. *arvensis* 1911 June 7 + 12 true Coffee

27
5 *Rumex R. - pastoris* 15⁺ + 18, abundant. T
1911 June 3 + 18 true pods.

14
Rumex verna

Erysimum cheiranthoides

3 24

15 *Alyssum alysicoides* 15th at original station + 8 ft.

1911 June 3 many plants with pods only, others just flowering bound on both sides of the cliff ruin.

5 12 17 *Conringia orientalis*, a single well-printed plant in H. Worth's yard. 1911 no flowers left, full fruit. 1912 July 9 alt. an old chicken yard Hammer Rd well-printed plants & some small ones just in flower.

16 *Nasturtium matronalis* 1911 June 3 + in rubbish dump on Noranoy road. 1912 July 12 + a roadside weed in town, not times.

14 11

Rosa lucida 1911 June 14, a few plants just in flower in the long grass of a low field near the Island Home 1912, a clump in full flower July 11, Walks Run farm.

15

Larrea purpurea June 15/11, Larrea bog very dry but number of plants just in full flower well & dark - fine patches and some very small

7 27

17 *Dioclea rotundifolia* 1912 July 3 to flowers yet. July 6 spikes of buds.

14 ²⁸
 17 *Drosera longifolia* 1912 July 3 no flowers yet.
 July 9 x Newcomb Pond

15 ²
 14 *do. filiformis* 2nd leaves just ^{up}riged, no buds.
 1911 June 15. Abundant along the state road near
 the golf links and equally common here & there
 in parts of 2nd of more swamp 1912 July 2. C here & there
 off. from Newcomb Swamp - no flowers yet.

Silene acaulis *Vaillantii*

17 *Sedum purpureum*

5 ²⁸
 17 *do. acaulis* 1911 June 14 buds show yellow but
 no open flowers 1912 June 29 Poor House lawn solid
 yellow with it. Post Corner. Railroad beyond orange
 level place south side of town

1 ²⁸
 19 *Gracilaria hirtella* 1911 June 14 some
 flowers & good sized fruit. 1912 July 10. Long Pond
 fruit purplish but still unripe

Spiraea latifolia

15³
17 do. *tomentosa* 1912 Marcup Pond, Weymouth P.d.

(*Rubus americanus*)

20¹ do. *strigosus*, a good deal of it in a
thicket in swamp 20' + Received
1911 June 8 & abundant in thicket E. of Shaw's Run.
c in 1911. Much of it in Quaker's thicket. In fruit
abundance on Coskata. 1912 July 1 some flowers & one
up to fruit, Shaw's Run.

16²⁷ do. *occidentalis*

20¹¹ do. *acutifolius*

3 28
15 *Rebas angustus* 26th Richmond C. & some
of large size, still in flower. 1911. June 2, buds
only. 9th 11

3 27
15 *do. frondosus*

7 1
15 *do. nigricans*

3 27
15 *do. hirsutus* 1912 June 27 + July 6 + 11 + T

3 27
15 *Rubus procumbens* 1911 June 3, first flowers T

4 30 - 400
15 do. *Euteneia* 1911 June 4, first flowers. T
1912 a few flowers left July 2.

6 29
15 do. *Baileyanus*

4 27
15 do. *flagellaris* 1912 July 2 a few flowers left.

38
R. alleghoniensis x *argutus*

15.11
20 *R. alleghoniensis* x *frondosa*
1911 near Dorset

15
18 *R. alleghoniensis* x *nigricans*
1911. Felt Pond.

20 *R. alleghoniensis* x *Baileyanus*

12 *P. allegheniensis* x *flagellaris*

1 *P. argutus* x *frondosus*

15 *P. argutus* x *nigricans* (qu. Solis (and

14
15 *P. argutus* x *procerus*

3²² *R. argutus* x *Baileyanus*

5²⁷ *R. Baileyanus* x *frondosus* T

6 *R. Baileyanus* x *procumbens*

9 *R. Barclayanus* x *Enslensis*

7

10 *R. Barclayanus* x *flagellatus*

R. Enslensis x *frondosus*

10 ²⁷ *R. Enslensis* x *procumbens*

1. *R. Eustonii* x *flagellaris*

R. flagellaris x *frondosus*

R. flagellaris x *negricans*

12. *R. flagellaris* x *respidus*

²⁴
15 *P. flayellatus* x *procumbens*

^{4 24}
15 *P. frondosus* x *procumbens*.

³
P. frondosus x *repens*

- 27
15 *Nazaria virginiana* 1911 June 3 + T
Grassy places fields, thickets, Pastures, June 10 a
ripe fruit. 1912 June 27 some last flowers July 2 one flower
July 6 one flower, ripe fruit.
- 4
17 *do. ussua* } near lot 172 fr. green some flowers
1911. June 4 + 1912 July 2, some fruit ripe.

Argentina aurea.

- 28
19 *do. littoralis* 20x 1911 June 4 + 1912 June 27

- 27
3
15 *Potentilla argentea* 15th Very C. in T.
neighborhood of town & along cutting roads
1911 June 3 + 1912 June 27 + July 14 +

- 10
16 *do. Montpelinsis* at two places in town
Street, Little Rock, near lot 1911 La Chacha Park
1912 June 29 one plant not yet in flower. - the dump. July 5 + near it
July 9 rather C. at Madriguecham Park C. on mountains.
None C. than I have seen it on any other trip -

3²¹ 15 *Potentilla canadensis* 15th T
1912 June 27 + 1911 June 3 +

3²² do *simplex* 1911 June 3 +

3²⁸ 22 do *humilis* T

7²⁹ 20 *Geranium canadense*
Richwood Heights, C. 1912 June 29, small flower buds

10³⁰ 20 *Agrostis gryposepala*
Abundant & large in Richwood. 26th 10 buds
1911. Squam in one thickets

do *Bicknellii*

3 ²⁷
15 *Rosa carolina* 1912 June 27 some flowers

15 ²⁷ *do. lucida*, 17 x 23? not yet generally in flower
1912 June 27 + just T

15 *do. Bucknellii* Ry 16.
~~performed~~

11 ²⁷
do. virginica 1911 Small. Almost gone
in corner of pasture W. of the town.

3 ²⁷
15 *do. nigra* 15th One cluster in meadow
below Pt Beane Hotel 1911. June 3, first flowers,
only a few. 1912 June 27 + T

24

Rosa cinnamomea 1912 June 27 + 6 in the
town gardens & here and there along field side & fence borders in
the suburbs.

3 24

T

26. *Pyrus communis* 1911. A tree abt. 8 ft high
in wild spot in Lough, among pines & of the tree have
young fruit. 1912 Rattlesnake Bank.

3 24

T

15 *Malus malus*. - frequent among the pines
on the old Scotch road. there I am told it
produces an abundance of small fruit

4 24

T

15 *Aronia arbutifolia* 1911 June 4. in
conspicuous fresh full blossom in O'Connell farm. fruit
everywhere in full blossom either in very dry or in
moist soils.

3 2

15 *do atropurpurea* 15th June 1911 June 3 +
some flowers left.

4 2

do. nigra 1911 June 9. Quaise sink hole.
June 15 typical O'Connell, petals fading to rich bright pink
1912 July 1, green fruit, down river swamp - west of Capaum

4²⁷ 17 *Amelanchier canadensis* 1911 June 5, T
fruit of good size 1912 July 3, fruit ripe - some.

3¹ 20 *do oblongifolia*, Tom Sauer with T.
the following bird appearing very distinct.

14²⁸ 18 *do micropetala*, *var. uniflora* T.
Sawed above. 1912 July 3, some ripe fruit, 2 birds traps.
ripe fruit red to purplish red some very dark purple
blue like that of *A. spicata*. This very like *canadensis* &
of same size July 11, fruiting very abundantly more so than
the other species. Mature fruit deep purple blue, glaucous - fruit
of all colors from white through pink & red to purple in some parts.
I had over the fruiting shrubs. Fruit mostly red.

15 *Crataegus crus-galli* 15th + but many
Corymbes not yet in flower. 1911 June 3 birds only.
large trees 33' around; other smaller ones near and a numerous young
of young of all ages. June 16, 1912 June 27 + but falling out of
blossom - July 2, large trees in Horn lot in full but falling blossom.

7²⁹ 20 *do 4-lobedifolia* 29th apparently the in
the same place further down. It densely clusters
& scattered in the shade. Small trees up to
10' high. 1911 June + August. No. 4-6 ft.
high; above 10 ft. 10 ft. high. E. of the house, certainly

one tree lay 12-14 ft high, having a spread of 6 paces - Boded
with blossoms - 2 Stations in this district. June 20. Still in
blossom but petals fast falling. 1912 July 2. Contact
of small shrubs near the shore many damaged by fire, 1912 but
through the wood & some few still in bloom.

20 *Calceolus Beckwithii* - At first place
in Iguazu the largest tree was about 12 ft high
11 1/2 inches in circumf. near the base. Some of the
leaves were actually trees with a sharp main
trunk - a new station in Iguazu. 1912.

1911. Thicket E. of New Barrons. A fine group loaded
with blossoms. Much whiter & more conspicuous in
flower than *C. pruinosa*.
June 20. Still in full blossom.

10 29 *do. rotundifolia* 1911. June 20. A single
corymb remaining - a catbird's nest with 4 eggs in
the bush. 1912 June 29. A group of 4 shrubs 11-12 ft high near
the bush of Warrumbet road abt. the line of Abrahams Pt.
well fruited. Abt 2 miles West of original station

10 11 *do. macrocarpa* June 10/11 No blossoms
remaining? 1912 July 4. Fruiting.

Prunus americana

³ 27
15- *do moritana* ^{15th} + elevit 22 ^T Shel in blossom
Sawards Long Pond 1911 June 3 + 15 + 1912 June 27
no blossoms left.

⁴ 1
22- *do cerasus*, A scattered group of small
trees at one place among the pines S.E. of
Lavi grounds, perhaps a mile.

²⁷
21- *do. avium*. Another locality S.E. of the town
among pines & on Nicotia plateau.

³ 27
15- *do cerasus* ^{15th} + ^{to} 27 + 1911 June 5, not yet
in flower. 9th first flowers. 15th + ^T

Cassia chamaecrista

5+ *Astragalus parvica* 15' 20' +
on same plant. 1911 best places in the suburbs

5 16 *Baptisia tinctoria* 15' 20' +
June 5/11, up to 12-18
inches high 1912 July 2 x best places July 5. generally coming
into flower. Very abundant along R. R. towards Concord.

4 *Ulex europaeus* 1911 June 4 +

3 27 15' 20' +
15 *Cytisus scoparius* + +. Amongst
beside Shuman's farm: forest along the
road about 2 miles from town 1911 June 3 + much
of it now being planted along the cliff. In the original there some
are certainly over 10 ft high some measured probably not the largest
was 10 inches around at base. The station E of Shuman's farm
is a rather extensive interperpetual shelter. 1912 June 29 some
flowers still July 3 do - 7 & 10 - flowering later at Soper's
22 *Medicago sativa* 15' 20' + 1911 June 4, no buds
1912 June 28 + x.

3 27 15' 20' +
15 *do. lupulina* + 1911 June 3, mostly only just
in flower but some with pods.

³ ²⁴
14 *Melilotus alba* 25, June 27 +

³
19 *do. officinalis* 19 +
Black Sandy bog extending nearly from top to
bottom + 1911 June 3, below the cliff on lawn near the
shore.

³ ²⁴
15 *Trifolium arvense* 15th The old ruins of
foundation or cliff piled with it + 1911
1911 June 3, one precocious flower - mostly not in bud.
1st & on plant - 1912 June 27 +

³ ²⁴
15 *do. procumbens* 15th T
Road from Red Pond to Fair Grounds. The densest, C
Scarcely common 26th 1911 June 4 + the
first I have seen this trip - E of Shinnock Valley 1912 June 27 + July 11
Still in flower. Sideside.

³ ²⁴
15 *do. tuberosum* 15th C. Very C. about town T. tuberosum
Road from Red Pond to Fair Grounds. (Source) abundant 26th +
1911 June 3 + 10 + 1912 June 27 + July 11. Still in flower,
Sideside.

⁴
19 *do. incarnatum*, Red Pond House; field W. of
the town 1911 June 4 + sandy field W. of the town.

3 ²⁷ 15 ^{15th} *Trifolium arvense* - abundant - T
only in flower, 27th Still nearly in flower; I
noticed some actually at 1912 July 6 +

3 ²⁷ 15 ^{15th} *do. pratense* + June 3/11 + but much not
yet in flower. T

3 ²⁷ 15 ^{15th} *do. hybridum* x June 3/11. a few plants
just in flower. 1912 June 27 +

3 ²⁷ 15 ^{15th} *do. repens* + 1911 June 3 + T

11 30. 21 *Cracca repens* 1911. June 11. Stems 3-6 inches
high mostly the longish heads of cymescent but the
heads of the plant resemble heads of *Artemisia* 1912
July 5 x. at two stations W. of Lanskoy. 9th quite generally just
coming into flower. T

3 ²⁷ 15 ^{15th} *Robinia pseudacacia* x just coming in
June. Or. old fence road. 27th + July 18/11
1911. June 16 x

4 27
15 *Robinia viscosa*

2.2' x roadside S. of the town 1912 June 27 f. Some in flower
only one foot above the ground.

11 29
Coronilla varia 1911. June 1. Abundant in two
reflected yards in town - in one massed thickly along a
wall. Flower buds very small. 1912 June 29 f. Much at one
place on S. coast bluff f.

Meibomia sessilifolia 600

do. rigida

10 11
20 *do. obtusa*

15 9
20 *Hesperis matronalis* Little leaf. T

Lespedeza Nuttallii

15 do. *Stuevei* 1911 Santa Fe N.M.

do. *frutescens*

11 do. *virginica*

15 2 do. *hirta*, 1911 one leaf, Santa Fe N.M.

4 27
15 do. *Bicknellii* 7 feet upwards the most leafy branches are prostrate (some not 18" in length) or low ascending. After they are adequately prostrate around on erect fertile stems of last year still bearing the dried leaves.

Lespedeza Brittonii

15 1 *Vicia villosa* 1911 June 15 x 1912 July 1 x

Vicia cracca Hills E. of Island Home x, a number of pods; July 9. Insects much of it in a lanky field.

15th

15 6 27 do. *Tetrasperma* x In a patch of the diff. fl. of
Hills E. of Island Home. Much of it at one place. Flowers larger than in
1911. More pinkish, purplish the standard purple lineate -
26.0. A row of it near the Catholic Cemetery S. W. of the
town + 1911 June 6. no flowers yet. 1912 June 29 + many pods.
Summer Hill

15th

15 27 do. *Levisticum* x Original station. Smaller than
1911, the standard without any lines. 1912 June 27 + many
pods.

3

15 27 do. *sativa* + c 1911 June 3 +

15th

3

15 27 do. *angustifolia* + c. In garden + field
by road. 1911 June 3 +

15th

1 *Lathyrus tuberosus*, 1912 fraying too destroyed
it all but a few small plants

3 27
15 *Lathyrus maculatus* ¹⁹¹¹ ^{T.}
red pods. At one place the plants all had pale flowers
— that with lavender starbark, the same color as

1911 June 3 x

7 28
19 *do. palustris* C. on Little Rock
1911 June 8 x C. just in flower Show Bunnos mothers.
1912 " 28 +

- *Palustris*

7 1
20 *Apios apios* Little Rock. Below the Cliff ^T
1911 Aguedes Point, wet places. Show Bunnos

5 27
17 *Geranium maculatum* ¹⁹¹¹ ^{T?} 22nd last flower
June 5/11 x 1912 June 29 no flower left.

3 28
to molar

¹³ 16 *Gnaphalium Robertianum* ^{June} 16th 1910 by a hillside in town.

¹⁴ 16 ¹⁷ *do. pusillum* abundant & of unusually large size in a lot on Pleasant Street & also 'Scout' by a hill below the bluff. 25" 1912 June 27. & lawn on North St.

⁴ 22 *do. carolinianum* 1911. June 4 & one plant in field near Franklin fountain June 10. C. in an old field at Goodnet & June 27, 1912, 112, 10 flowers left.

³ 15 ²² *Oxalis stricta* ^{15th} 1911 June 3 & 7

⁴ 24 ¹⁴ *do. cynosu* 21" 1911 June 3, 10 buds got 1911 June 16 & 1912 June 28 &

9 *Linum usitatissimum*

10 6
24 *Leirum virginianum* a few under logs.
1912 July 6 ±.

14 2
20 *do. floridanum* do. 1912 'scorset' green
flower buds. July 10 not quite in flower, but buds
turning yellow. July 8. one first flower.

do. strictum

3 27
15 *Ailanthus glandulosa* 1911 June 7
buds still very undeveloped, the trees appearing very
naked with congested tufts of reddish coppery leaves at
the tips of the branches

Polygala sanguinea

do. cruciata

Polygala verticillata

- 27
15 *do. polygama* ^{15^a} x 22^d 1911 June 10 T⁺
at one spot in square nearly in flower. 1912 June 27 x
July 4 x

- 27
15 *Euphorbia polycarpa* ^{15^a} var. *discolor*
1912 July 13 x 16 at the

- 27
do. maculata

- 27
15 *do. cyparissias* no set fruit, it appears to
dry up still immature 1911. June 3 x

- 27
12 *Pollitiche heterophylla*, Hornb.
bract; pools in self seeds. At many places.
Beck wood form, 1911 June 3 - fruit ripe.

15 ²
24 *Coronilla Conradii* ¹⁴⁵ fruit mature readily
boding. 1911 June 5, Recognized along the rail road
from the heavy train 1912 July 2 Deep fruit, sometimes
less than a quarter mile from the Area, some near
Zaupar and his traps.

1 ²⁸
19 *Rhus hirta* 1912 In a field along an old cemetery near
the mill & Colored Cemetery

7 ¹¹
20 *do glabra* 1911 Sackett Park on the
open bank. July 11/12 close panicles of green buds

7 ¹²⁹
15 *do. copallina* 1911, June 7, leaves small
small & immature

10 ⁴
20 *do. ucratica* 1911 June 10 Hesperium bog, Squam
Chicoana bog & many places in Parris.
Leaves still very small and undeveloped

3 ²⁴
15 *do Toxicodendron* ^{15th} The old fruit of the
wood low ground form is small & densely clustered
with no signs of pubescence. Most of it trailing
on the River sand at lowest form with
small flowering buds. 1911 June 3, on the
point of flowering but no flowers yet yet

1912. Gaupar-shadump. a good deal of it.

- 5² 22. *St. glab.* 1911. June 5. a cluster at
Cherino Valley farm 10 ft. Small single bushes
noted at three places in Squam 12 clusters in
various places in Squam by Hawsat Road. Can Polaris forming
many of the pond holes with masses of it dark & bushy from
1912. July 2 x Tom Hawsat. July 6 +
25 20. *apaca*

- 3²⁷ 17. *do. Bronzensis* 1912 July 1 only in flower
July 4, 10 +

- 3²⁷⁻⁵⁰⁰ 15. *do. Antiochensis* 1912 June 27 to flower but
July 1, 2 - July 10 +

¹² *Celastrus scandens*. 1911 June 12 = G. K. G.

⁴ ¹ *Acer rubrum*. T.

¹² ² *do carolinianum*

³ ¹⁵ *do Pseudo-platanus*

²⁷ *do Platanoides*

¹⁰ ²⁷ *do. Saccharinum* 1911 Small trees among
pines on the Wauwaminet road

⁴ ²⁷ ¹⁷ *Impatiens biflora*, 1912 July 1 & 10. It generally
grows in Homer Lake Pond

³ ²⁷ ¹⁵ *Vitis Roburea* 18th & Res Pond in Houghs
Blues with prostrate runners, etc. It
very abundant. Keller says it was 1912 June 27 & July 11.
Foot of Hill near bridge

2ⁿ
20 *Urtica asturialis* 26th 1912 July 11. Still
in flower

3ⁿ 24ⁿ = 100
15 *Piedra porreifolia* 15th typical in bog
leaves checked, pale beneath, and petioles very
glabrous throughout even after unfolding 1912. June 27, no open
flowers yet.

6ⁿ 1
18 *de pubescens*

3ⁿ 24ⁿ
15 *Malva rotundifolia* 15th + 1911 June 3 +

5ⁿ 24ⁿ
16 *Althaea rosea* Small side in low, two places.
1911, last place 1912 July 12 + at a number of water
places about town

7ⁿ 24ⁿ
20 *Heliconia maschuetas*, Squon Pond, Little
Island.

2ⁿ
25 *Acyron hypericoides*, 2 large trees S.E.
side of Squon Pond. 1912 July 4 Squon, Louisiana.

15-6

15 *Hypericum adpressum* 1912. Near in Ponds. Much in water at least a foot or more deep, the green leafy tips emerged. Some small procumbent plants back on the bank with yellowish flower buds. July 11 one first flower at 3-27 Almona Pond.

15 do. *perforatum* 24 1/2 in. first flower at spot. 1912 June 29 T

15 H do. *maculatum* 1911 Thicket in Poles, very large. 1912 Squam. two stations.

5 29 17 do. *boreale* T

7 28 17 do. *nuttallianum*

do. *majus*

6 3 19 do. *canadense* 1912 July 3 one plant at Grato Swamp. July 9 one plant with 2 flowers at Menander Pond

do. *microcayum*

15² *Saxifraga pentstemonoides* 1911. June 5, Sandy
place & wet, some just appearing

15²⁷ *Tradescuntia virginiana* 1911. June 3,
plants very small.

(Native americana)

22³⁰ *Helianthemum majus* 22⁵ to signs of
flowering or buds 1912 a tall among open woods of
of buds - July 2 & second 20 flower buds. July 10. a few
first flowers, Long Pond

15³⁰ *do. canadense* 15⁴ + 19; large shell in
full flower. The low form very rarely still in
flower June 26st, 1911 June 3rd the low form -
1912 *H. dumosum* still a few flowers June 30. also true
canadense, some flowers.

15⁴⁴ *do. propinquum* 25⁴ + 5 of Almond Pond.
1912 June 29, Hill E. of Stennis Barn - quite c. along long
roads through the barrens about fair grounds, still quite
generally bearing flowers. Devils Halls. July 6. a few flowers,
July 11 a few last flowers P. & P. but generally out of
 bloom.

15 ²⁷ *Hebea eximius* 15th Tom's dried, 10
fresh ones seen. 18. Still abundant in flower
in the State of Texas. V. of fair ground - also, 1
bird, still flowering in open place. Sometimes both
species together 1911 June 7. x 7. 1912 June 29, 20 flowers.

15 ²⁷ *do. Tomontosa* 15th T
+ 27, still in flower.
1911 June 3. 20 flowers yet. But just coming into flower
at the bucking beach, the flowers opening first close
to the ground around the edge of the tufts, often
partly hidden. 1912 June 22, 20 flowers. July 2, a few
left flowers on the ocean front beach.

20 ³⁰ *Hebea minor* New Hook a few inches high

20 ²⁷ *do. villosa* New Hook a few inches high. T

15 ²⁷ *do. saxatilis* New Hook. T

15 ²⁷ *do. Legallii* 2011
Tom's dried, 10 fresh ones, some
at. 10 inches high.

5 ³⁰ *Viola pedata* 1911
June 5. In flower still at last
places. 7th Co. 11th many flowers in the Nicomist
line. 4 miles by on the Can road.

²⁸
15 *Viola papilionacea* 1911 June 4. Perfectly
fresh flowers still; 7th do.

³
20 *do. affinis*

do. cucullata

⁴³⁰
16 *do. fimbriatula* T

³²⁴
16 *do. odorata*

⁴²⁴
17 *do. pallens* Longford June 3 + 1911 June
& some flowers still.

³²⁸
17 *do. lanceolata* ^{17th} Still in flower quite generally; T
22nd some last flowers; 25th do. 1911 June 3 + 10 + 15 +

4²
17 *Viola pennsylvanica* 1911 one or two last flower.
Common enough 1911 June 15 still some flowers.

do. *affinis* x *pinnatifida*?

13
Opuntia 1912 Coahuila.
July 13⁺, but many withered flowers.

4²⁴
17 *Asclepias verticillata* 1911 June 2, bush
plants just noticeable.

10
Lythrum salicaria 1912 July 10 Long Pond
3 separate clusters at the gate in flower.

Rhexia virginica

3²⁴
17 *Senecio palustris*

T

²⁸
15 *Viola papilionacea* 1911 June 4. Perfectly
first flowers still; 7th do.

³
20 *do. affinis*

do. cucullata.

⁴ ³⁰
16 *do. fimbriatula* T

³ ²⁴
16 *do. odorata*

⁴ ²⁴
17 *do. pallens* Longford June 3 + 1911 June
8 some flowers still.

³ ²⁴
17 *do. lanceolata* ^{17th} Still in flower quite perfectly; T
22nd, some last flowers; 25th do. 1911 June 3 + 10 + 15 +

4⁷
17 *Viola pinnatifida* 1911 one or two last flower.
Common enough 1911 Saw 15 still some flowers.

do. *affinis* x *pinnatifida*?

13
Opuntia 1912 Coahuila.
July 13th, but many without flowers.

4²⁴
17 *Acodon verticillatus* 1911. June 3, T
black just noticeable.

10
Lythrum salicaria 1912 July 10 Long Pond
3 separate clusters at the gut, in blue flowers.

Rhexia virginica

4²⁴
17 *Sarracenia purpurea*

T

1912 C in disturbed soil at the Pitts Pond Gauley bog,
mainly just in flower July. Tapering & Amp. & along
roadbed - some 2 or 3 - some seen in square or 1/2 ft.
But 1 - 2 ft. high.

19 *Ledum palustre* - *attenuifolium*

51
24 *Campanula angustifolia* 1911
June 5 in triangle bet. state &
main road - becoming C. Polaris. Some flowers
1912 July 3 x 1/2 ft. & some, others with buds.

27
15 *Epilobium hirsutum* 1912 June 27 plants
of small size July 6 x, generally just in flower a few days
later

15
do. palustre

27
17 *do. lineare* 1912 June 27 plants up to 6 in. high.

20
20 *do. strictum* 1912 June 27 plants up to 10 in. high
1912 June 27 plants up to 10 in. high

27
17 *do. coloratum*, 1912 June 28, 10 in. high

17
17 *do. adnascens* 1911 June 12, 10 in. high

5 ²⁶ *Stenopeltata* Sept 26/15 at
Oenothera succata ^{around station on}
^{off or aug 11. a number of scattered plants no flowers}
left. & ripe seeds on some plants. Sep. 26/15. No
flowers left. Seeds ripe

5 ¹⁸ *do. Bakeriana*

3 ²⁷ *do. bicolor* 1912 July 6. Seaside Bluff.

3 ²⁷ *do. succata* 1912 July 8. T

12
19 *do. Lamarckiana*

9 ⁹ *Koeberlinia* ^{13th} below the cliff 23rd
C. below the cliff; 22nd Terr Lot 1911 June 9th low
ground near the gold mine pier 1912 ^{July 9.} Nemida Pond
road opposite Polaris School. July 11 + 17th 18th

20 *Circaea lutetiana* 1912 July 4.

18 *Proserpinaca palustris* C. Beck Pond
1912 July 2.

17 *Myriophyllum heermii*
do tenellum + Moench

19 *Oxalis nudicaulis*

21 *Cosmodium salicifolium* + much of it through abundant
weeds of pond & of the lake

15 *Hydrocotyle umbellata*, 1911 Since a few
leaves to be seen along pond borders. 1912 June 27, leaves
numerous

Sanicula canadensis

11 *Sanicula Marylandica*, July 4/12. The plant in
Guam + 8 m.

15 *Utricularia octocollis* 1911 Since 3, leaves well
developed. 1912 July 11, one plant x.

Cicuta maculata

24 *Conium maculatum* 1912 June 29 - 2 frs. 1 ft. tall

22 *Ptilimnium capillaceum* 1911 June 7 plant very small

28 *Antennaria compansa* 1911 June 14, a single umbel showing whitish petals, but no flower buds open! 1912 June 28+

3 *Ligusticum Scoticum* 1912 ^{Proteropneum} Pond, one large tuft.

15 28 *Pastinaca sativa* 1911 June 20 - 1912 June 28 + seed. plants in waste spots.

19 *Horacleum lanatum* 1911 June 28 - 1912 June 29 - 1911 June 28 9 ft. abundant along shore at Quaise
1912 June 29 a few last flowers.

28 *Donnell-smithii* 1911 June 28 3 ft. one very small plant
1912 June 27 a very stout plant with one flowering umbel - others in bud or flower a few days later

Cornus canadensis

28 *Florida* a single tree of vert. trunk

1911 In Squam a group of perhaps 3 c. trees, the largest say 10 ft. high. They seemed to be in poor condition. The flowers were seen 1912 Area mostly in Squam, also near Esplanade.

11 *Cephaelium uctaeifolium* 1912. Bayberry Thicket
Groups at sed. places in flower & full sized fruit some over 4 ft high
single overlying plants - all of it some distance away from the shore
upon the bank. At sed. places *Horacleum* grows near it mostly all dried up.

22 *Cephaelium uctaeifolium* 1911 May, the several clusters
at Copanum Pond have been much killed back
1912. July 10 in full flower at Copanum Pond in dense masses very
floriferous.

do *Stylomifera* 1911 Same old group of low trees - often are found in the ^{clonal} scattered cluster.

10 *Nyssa sylvatica* ⁵⁰ + *Thunbergia* in Rattle Run
1911 Some 8' Rattle Run Bank on the point of flowering
but no mature ones. 1912 Some on Coalee about 3' high

24 *Clusia cuneifolia* 1912 June 27. Small tree
spikes. July 14. Still only green spikes.

89
10 *Pyrola latundipolia* 23^d Long Pond & Precambrian
in open spot. Form dense. Chert
1911 *Ruellia* at Keokuk - Quercus Squam. 15. Stems of
above beds. 1912 June 29, white flower beds. July 24

189 *do chlorantha* 187 C. found there a very
 1911 June 5, but only one cluster bet. Stab & W. monument road
 14 1/2 miles from town. 14 C bet. W. monument & Stab road.
 189 *do chlorantha* 187 C. found there a very
 1911 June 5, but only one cluster bet. Stab & W. monument road
 14 1/2 miles from town. 14 C bet. W. monument & Stab road.
 189 *do chlorantha* 187 C. found there a very
 1911 June 5, but only one cluster bet. Stab & W. monument road
 14 1/2 miles from town. 14 C bet. W. monument & Stab road.

1824 *de umbellata* 1911 Monrovia Pine; in fruit
N. of Monrovia road 1912 July 9; a group
of 10 plants just in full flower.

5
11 *Monotropa uniflora* 1911 Maccombs Pines

11 *Hypopitys lanuginosa* 1911 Maccombs Pines

3 27
15 *Agalea viscosa*, 17.5 full flowers in perfect
clipped form. 23 d. but has in flower colors
cliff some with Rose white flowers with long
tube & short limb, some like that of the 17.5 d. but
short tube & round p. like limb
1912 June 27 some in full flower but mostly not yet in
July 10. generally in full flower
" *glauca* 1912 frequent & fully typical in Maccombs
Pines. Also, I think, damp woods.

3 27
15 *D. nitida* 1912 Maccombs Pines, I think
swamps - frequent

0 27
15 *Kolomia angustifolia* 13th 22nd
1911 June 10, 15. generally coming into
flower 1912 June 27 & July 13 still in flower

15 *Kolomia leptostachya* 1911 Bay C, a character-
istic & constant shrub about the borders of low thickets with
Vaccinium, *Sax* & *Clethra* 1912 July 1 & July 4 & 10 very
common & in full bloom.

27
5 *Chamaedaphne corymbosa* L. Guam;
C. in Little Rock bay. Tom & Anne. 1911.
1911. June 3. dried Corollas along the rocks, but no fresh Corollas
found.

30
5 *Eragrostis repens* T

30
20 *Laetia procumbens* 1912. C. on Coast
about 3rd point.

27
15 *Arctostaphylos Uva. Uva.* 18th fruit
but Sept. 1911. 1911 June 5. flowers still at
several places. 8th many flowers. 10th 1912 June 20,
some reddish fruit. C. on

26
5 *Calluna vulgaris* 26th. No buds yet
at Meacum's Point Station. A bush in a garden

in town has long 'cane' of buds
1911 June 6. Came upon two large tufts among the broom on
the cliff, the larger one say 6 feet in diameter the
smaller say 3 1/2 ft. fairly abundant in Meacum's Point.
1912. apud did winter killed above

26
5 *Erica tetralix* 26th Reported in flower by
R. E. Appleton 1911. Fairly abundant in Meacum's Point. However
but just appearing 1912 apud did winter killed above

23
5 *E. cinerea* 23rd. Some buds pink & white
to show. No Appleton. tells me that
E. tetralix flowered first about 1 week
ago -

1912 John Appleton tells me that last year the two plants of *E. crinita* near the Davis grounds were nearly destroyed by visitors & in order to protect it from extermination he transplanted it to his 3rd bog where it was begun to show some signs of life.

18 *Gaylussacia baccata* 18th T
1911 June 5 + 1912 July 14. First ripe fruit seen - on 6th June.

19 *do. frandosa* 20th T
1912 July 4. Some flowers flowering 1911 June 10 x 1912.

22 *do. dumosa* 22nd T
1912 July 4. Some flowers. Longland Cranberry bog x
1912 July 4. C. 1912 July 2 x 4. Some flowers, Port Pond x

15 *Vaccinium corymbosum* 15th T
1912 July 4. First ripe fruit.

17 *do. glabrum*

13 *at. hortense*
do. heterophyllum 1912 What seems to be this in some profusion near 3rd Point on coast - much ripe fruit - large ones dark bluish blue with a bloom - much of it depressed globose & broader than long.

20 *do. heterophyllum* 1912 July 11. Some ripe fruit.

2
17 *Vaccinium pennsylvanicum* 1911 June 3, Still
in flower. 9th + 1912 July 3 fruit ripe fruit. T

2
do *repens* 1912 Quite common in dried boggy.
spots in Tombsen's Swamp towards 'Secret'.
growing with *Cassandra*, *Sagittaria*, *dimorpha*, *vaccinium*,
pennsylvanicum, *Aronia nigra* etc. Green fruit (flowers!) T

5 24
23 do. *vacillans* 23. Still some flowers 1911 June 5, T

15
Chiochone scirpidula 1911 Most of it in
different parts of Tombsen's bog. no flower or fruit.

4 6-600
do *pyrocephala* 1911 June 9. x Quince
1912 Sachacha Pond bog, July 6 +

3 17
15 do *macrocarpa* 15th +
1912 June 27 + July 5 + T

8 1
Sambucus floribunda 1911 June 8, Still in
flower. 1912 July 1 x 8th June 8.

3¹³
16 *Lychnochia vulgaris* No flower yet 26th

5²⁷
17 *do. quadrifolia* 26th x 1912 June 27 x T

4²⁷
15 *do. tenuistria* 23^d x 1912 June 27 x T

5²⁸
18 *do. Menziesiana* 18th x 1911 June 5 no flower by
railroad. Waste lot in town 1912 June 28 x

8¹
19 *Trinitatis americana*, *Trinitatis* thick
leaves in green. No flower, *Trinitatis* thick
1911 June 8 Rattlesnake Back x *Squam. Cor. Katy*

5²⁷
20 *Prunella americana* 20th *Squam. Cor. Katy* plant
seen so far *Trinitatis* x 22^d 1911 June 13 x
1912 June 30 x

7 38 *Lesquerium carolinianum* 1912 Abundant
containing some buds lower tipped.

4 30
15 *Leavenworthia vulgaris* 1911. June 5. Still in fruit
fresh blossom. 8 do, 12 some, 6 new still.

14 *Fraxinus ornamentalis*

3 27
16 do. Edelweiss 1911
June 3, covered with clusters
of young green fruit 1912. Many of the more exposed
old trees have winter killed on the north side & upper
branches - lower, more protected trees are flowering. thought.

24 *Euthamia spicata* 1912 June 29, plants up to
3 inches high.

31
25 *Sabbatia* plants up to 10' high.
1912 July 11. almanac found very few & the thorns
submerged. Only very small plant found, 2-3 inches high.

29
Bartonia virginica, 1912 June 27, plants
up to 3 in. high.

do *lanceolata*

4²⁴ Vinca minor.

4³ 17 Menyanthes trifoliata. Very C. in Little Pond.

Box 22 d., no flowers. Not much of it at Mares Pond.
at Round O. Swamp. not visible, completely covered by
Succowia Colanthes. The spreading around the pond
is cladia, Colanthes & cladia. 1911 June 4 no flowers. at
Mares Pond.

4 1911 C. along ditch in Mares Pond. 1912 do.

17³ 17 Lysichiton albertianus Lysichiton T

27 x almanac Pond. 1912 July 6 + Mares Pond
1912 July 6 + almanac Pond - July 10, not quite in flower in
Pond nr. of Copan Rd.

20 Apocynum androsaemifolium, Thrice
met with fully typical plants on Squam no buds
1912 a single typical flowerless plant. Secrest July 11 in
full flower. Wanders. seen only about one thick.

20^H 20 Connorsia³⁰ Squam, small, common
Pond - 1912 July 4 x Squam; July 8 Wanders, pure
white flowered form x. July 11. 4 yellow flowered form,
by Pond hole near Edgemo.

20¹¹ 20 Rabarbar²⁰ Squam, small cymes.

28 do. arceuthifera? 1912 June 29. Shawano P.
Shawano; Secrest. Island C. form; Squam
Wanders & near by cladia.

14 *Phocymus unicolor* - ? T

15 do. *medium*

14 do. *hypericifolium*? 1912 Junction Pond
July 2 2.

Asclepias tuberosa

4 27
17 do. *pubera* 1912 July 5, first buds. July 10 2
Madegnet. & Copain Pond.

3 27
15 do. *lynnia* ^{15th} *lynnia* ^{2nd} *lynnia* th
1912 June 29 & July 10. In close abundance on the steep
bank on W. side of Copain Pond; also very abundant near
Hatch Run.

8
do. *spallata* ¹⁹¹² a specimen now if it in the
up from a hillside growth above Eolberg, July 11 &

17 do. *amplicaulis* ¹⁹¹² *amplicaulis* ¹⁹¹²
1912 June 30. no flower buds open. July 9 & T

13. *Asclepias purpurascens*. Tapan Pond

Ipomoea purpurea

6 27
15 *Convolvulus americanus* 15th
1912 June 27 + T

do. Sepium

14 27
19 *do. ovandis* 19th Near foot of Main St

Along fence near backing beach, 1912. S of the town, Sully 6 x Abt old work house garage.

10
Cuscuta Gronovii - 1912 Tapan Pond. July 10 golden threads only.

12
Psidium maritima

Orange flowered berry vine plant in abandoned chicken yard S of Sully.

4 28

12 *Myosotis salsatrix* 17th + 22nd Sam Houston
1911 June + a few very small plants. 1912 June 28, a few flowers

do. versicolor x one plant (or more) in abandoned chicken yard near Sully.

7 *Symphytum asperinum* 1912 June 27, Still in flower
 July 6 no flowers left.

7 *Onosmodium virginicum* + 800
 Squam. at many points 1912 June 29, open flowers
 E. of Arguedness Pt. Squam. July 4 + many unopened buds.
 July 11, Pocomo. Still in full flower.

19 *Echinum vulgare* 1912 June 28 +
 July 12 +

9 *Echinops amurensis* Lappula. July 9/12 in full flower
 Spent by shelter yard side.

11 *Verbena hastata* 1911. Small plant in
 low ground N. of the town. 1912 Gravestone, July 10 ± no bud yet

7 19 *Leucium littorale* 1912 July 14 no flower
 buds yet

do occidentale

Trichostema dictyonum

17 *Scutellaria latiflora*

7 *do galericulata* 22's Long Pond at
 place, apparently, c. Shawmut Pt. Bo-oh
 1911. Near Abrams Pt. 1912 June 28 + C. at
 Monomoy. Meaconet + July 5 - Shawmut Pt.
 Monomoy. July 9 +. Long Pond July 11 +

13²⁷
16 *Marrubium vulgare* 16²⁷ Moroneg. Very
abundant by the jail, & occurred by other fields.
1912 June 29 4 set plows. July 9 one tuft Mokegwood on Pond
where another has been

5²⁷
16 *Nepeta cataracta* set plows 187²⁷ town
1912 June 29. dump N. of town. no flowers yet. July 10 Mokegwood
farm yard July 15+

3²⁷
16 *Glechoma hederacea* 1911. N. of the town.
June 9+. 11+ lot back of "Springfield"

3²⁷
15 *Mimulus pennsylvanicus* 1911. N. of the town. abundant
conspicuous in a field near Mokegwood. 1912 June 27
roadside & fields purple with it in some places.

3²⁷
15 *Leonurus cardiaca*, 1912 June 28+ & rather
c.

3²⁷
15 *Lamium anglicum* 13²⁷ & 11 in place.
19 abundant in a field on Allerton Ave
1911 June 3+ single in lot. fields N. of the town nearly as far as the
thorn lot

Harpyssysyphelia

Roelia plicosa

1 *Koeleria tuberosa* var. *prostrata* Nutt. & Hornem. det. H. S. G.

10 *Koeleria virginiana* Squam.
1912 July 11. Small close buds of flowers buds. 8 do.

10 *do. mutica* Squam. 1912 Nutt. Run
thickets, of. Cuyahoga, July 8.

327 15 *Lycopodium communis* 1911 June 3. very small plant. T

1579 17 *do. sessilifolius*

3 26 *do. americanum*, 1911 June 3. very small plant. T
1912 July 10.

4 25 *do. perobranaceus*

do. virginicum?

10 18 *Monarda spicata*. Original Station.
1912 Meadows in Redoubt. T

7 *Melissa officinalis*

41

22 *Mentha piperita*, fence row near Franklin fountain

9
do. *gentilis* 1912, July 9, Converse spring. at border of
thicket. 1 m. or less, large with conspicuously white veins
leaves but no flower buds

9 3

17 do. *canadensis*, 1912 July 10. Leaves only.

Physalodes Physalodes Sep. 26-27, 1915,
Seed lots in interior of town, still with seed.

Physalis heterophylla

22
17 *Salicornia virginica*, Plants very small. T
2' x 4' North lot, 1st & 2nd (type) plant.

9
do. 1912, July 9, Surfside; July 14, +
Brant Pt road.

15 27
do. *drilcarnea* 15' 17' Thorn lot + 1912 June 26
celar chert. Monks. Bog hole near Pound Pond. a
number of ponds not far from town.

3²⁷
15 *Lycium vulgare*. At Salwash place alt.
1911 June 5 +

12 *Bateria Stearnianus* 1912 July 2 a few small
black flowers below the bluff

do. *Patula*

4²⁸
16 *Verbascum Thapsus*. 1912 previous 26th on
road with first flowers. 1912 June 28. x. Frequent
and scattered but common abundant.

do. *phloeoidea*

14
do. *Plattaria*

5²⁹
16 *Gymbalaria Gymbalaria* H. + 1911 June 5 +
1912 June 29 + July 12 +

4²⁷
15 *Lilaria Canadensis* 15th + 1911 June 4 + T
1912 June 27 + July 14. Some all dried up after maturity
Some still in flower.

Salvia

Below innermost hill, one or more large plants in weedy tangle, lost flowers

Linaria linaria 1912 July 11. A small colony in full flower on Naminiut Road near Ptoaviro road.

- 20 Scrophularia leporolla Two neat plants under a foot high Wallis River bank
1911 June 9. A good many scattered plants in thickets of low growth ripens here in grass. Leaves very variable
1912 a vigorous group of abt. 15 stems in full flower July 5. side of Meagoinut Pond.
17 Eratostia pumila Very small, last 1911 plants mostly less than 1 in high

Silyanthus dubia

12 5 p.

Lymnæa tenuifolia 1912 July 5. Meagoinut. Common.

4

Veronica scopulifolia 1911 June 4 + 1912.

3

15 do. a 4' or 5' tall + 15' abundant in line off road at growing densely in grassy lawn of Veranda House. Still in flower. Near Sea Cliff Inn. 27th still in flower. Lost other places.

Dryas pedicularia

2
10 *Gerardia purpurea* 1911 June 3, last year's
stems & dried pods.

do pauperula

do maritima

do. Skinneriana

12 2
14 *Pedicularis canadensis* 1911 June 22/11 ^T Squam
This same flower 1912 Tom. Havers

15 2
19 *Mcclurea* ^T *americana* ^T *montana*
thick l.f. Squam & Tom. Havers. 1912 July 2 C.
borders of Tom. Havers & in full flower. July 11. C. or H. at the
bank.

16 2
18 *Utricularia vulgaris* 18* 1912 July 3 +
Money Pond - pool on the shore

do. claudovina

do. umbellata. Swampy & damp + open soil

10 *Utricularia subulata* July 6 x Shawanoko Camp

Thalassia uniflora

11 *Catalpa baltica* 1912 Along young tree
on left side of monument road

3 15 *Plantago major*

3 16 *do. Raynoldsii*

3 17 *do. Holophila* T

3 15 *do. lanceolata* T

2 18 *do. maritima*

24 1 *do. aristata* one plant in N. Woods
Yard - 1912 July 1 + dry field Shawanoko Camp.

34¹⁵ *Houstonia, coccinea* 15¹⁵ 1912 June 29, T.
few flowers left July 2 numerous flowers near Scout
July 13 still some flowers

M. T. 11. 1. 1. 1. 1.

2²⁷ 15 *Cephalanthus occidentalis* 1911 June 29
leaves very small 1912 July 4 flowers heads less with
soft size July 11, from close flower heads

3²⁷ 15 *Hedera helix* many all through the
forest not up some photo & trees on Summit
Hed.

19 *Galium triflorum*, *Erigeron* near
19 do *Polygonum* 1912 Scout above the cliff

19²⁸ do *apocynum*, abundant in the hills on Summit &
Hed. + *Lam. album* v. s. p. thick.
1912 Summit, well fruited.

19 do *tinctorium*

3²⁷ 18 do *claytonia* 18¹⁸ 1912 June 27, T

9²¹ do *salustea* 1911 Near Aqueduct Pt. 802
C. in sp. on Kuma meadows. flowers but rose color.
1912 July 1-7
do.

21 *Salix alba* L. A large luxuriant patch in waste ground - 5000 ft

3 27
15 *Sambucus canadensis* 17th not yet in flower T

1911 very C in the Kib. 1912 June 30. whitish cymes but no open flowers. July 4 & July 10 & very C. in moist or dry thickets & just now most conspicuous

4 29
15 *Veberna dentata* 22nd at last place in 2000 ft camp. Generally a little earlier than *var. ovata* in which the cymes are still close 1912. July 10, first light green fruit & no flowers apparently left.

4 30
20 *do. macrocarpa* 1912 June 30. One bush with fresh flowers among pines S. of fair grounds. July 4 generally in full flower. Squamous. Shady. July 13 still in "full" & conspicuous flower. No flower left of *V. dentata* which seems to be much less common

1
19 *Triostema perfoliatum* At original place only 9 stems on the two plants which are becoming straggled by the increasing thickets. One one or two stems in deepest shade most of the flowers were left & yellow. 1911. June 7 & small green flower buds.

3 27
15 *Asclepias tuberosa* Since now, waste place
27
2000 ft border of meadow 1912 June 27 & 1

0 28
19 *Micranthes lobata*

18 *Scyov angulatus* By the R.R. track. H.
1912 Wased in Holger's stable yard

5 27
26 *Campanula rapunculoides* 27^d & full
flowered racemes at one spot S. of town no
flowers at other places 1912 June 29.

7 1
71 *Hebeclaria perfoliata* 1911 Survey checked E. of
Shinn's farm. At Aquidneck Pt. Neck, with no petalyform
flowers, but axillary developing pods with immature seeds
1912 July 1, apex unacceptably *Stenandrium* Benth.
Lobelia cardinalis

3 27
15 *Cechorium intybus* 27^d not yet in
flower, seems to be common all over town & suburbs
1912 July 3.

4 11
17 *Adesphora caroliniana* 17^d 3 T
1912 July 11, Swamp borders. 1911 June 4. T.
1912 July 11, Swamp - apex flowered.

Leontodon autumnale Sep. 25-27, 1915,
C. observed west to Madaguet, Hallowin & T.

3 27 15th
15 *do. pratensis* 17^d 1911 June 3, apex
first flowers to be seen here & there 1912 July 14.
Still in full flower.

11 ²⁴ 16 *Laecapox pratenis* 16th f 1912 June 30,
some flowering. July 6 ripe fruit heads. 1 flower

3 ²⁴ 15 *Lactuca Lactuca* 15th f 1911 June 3 + T
July 1912 had some flowers.

3 ²⁴ 14 *do. erythraea* Lactuca Head
or (high) Kere's ground. 1911 June 3, fr. ripe
along North Street.

19 ²⁴ *Lactuca oleacea* one small plant near
Lactuca Pond. up to 3rd tall in North
yard & fr. flowers only within a few days.
1912 June 28 + July 13 + 14

20 ²⁴ *do. aspera* Lactuca Pond, 1912 South Here;
July 14, Coates f.

3 ²⁴ 16 *do. arvensis* 16 flowers yet
1912. July 4 large green buds. July 11 just in full flower
on both sides. Broad Pt road. The first flowers were the
oldest, also in an opening lot 1915 Sep. 26 + C.
in lots below Broad Pt road, Howard St, barulgaich.

10 *Lactuca villosa* 1912 a few plants of mixed
status in meadow. lot in flower.

8 ¹ 26 *do. spicata* Common in Shawanem
Gardens etc 1911. do.

4²
15 *Lactuca canadensis* T

5²⁴
do *hirsuta*

4²⁷
15 *Helianthus marianum* 15² x 1911. June 4.
leaves just beginning to appear. 1912 June 27 +
do *virginicum*, T

5⁹
15 *do Gronovii* 1912 leaves only T

10²⁹
16 *do canadensis* 1912 June 29 plants a foot high.

15
Tabularia serpentina

8¹
19 *do trifoliolatus* 900 T

12 Ambrosia like weed
Green buds -

7²⁹ *Iva oraria* 1911 June 7. E. about borders of tide
pools from Shinnos valley to
Abrams Point

do. *lanthifolia*

12² *Ambrosia trifida*

3²⁴
15 do. *ortensis* *axifolia* T

3³⁰
18 *Lanthium echinatum*, Plant from T
1911. June 3, plant very small

Eupatorium procubatum

do. *purpureum*

do. *hypsipileum*

24 *Eupatorium verbenaceifolium*
simple plant 2 inches high, from Kansas Camp
1912 July 11. A number of plants showing small
close flower buds.
do. rotundifolium

3 15 *do. perfoliatum*

do. aromaticum

20 *Wickstroemia scandens*, abundant all
along the river

30 *Laciniaria scariosa* July 11/12 a few inches
high

24 15 *Chrysopsis palcata* 24" simple
flower on the side near boiling beach
July 8, two first flowers.
July 9, flowers at high places; 10 quite generally showing earliest
Solidago bicolor

15² *Solidago puberula* T

3 24
15 do. *serotina* 2L - a single precocious spray
in full flower! It was very short stemmed & had probably
sustained some injury in the way of frost when it grew.
Sep. 25/22 1915. Seen in low growth thickets or open on high ground
away from the shore.
14² do. *odora* T

2 24
24 do. *rigida*

10¹
20 do. *viracfolia*

2 24
15 do. *pauciflora* July 14, panicle of small green
buds - the only *Solidago* showing any inflorescence

5 1
17 do. *elliptica* Sep. 25/15 +

do. *astella*

Solidago unilijulata

do. juncea

7²⁹ 19 *do. procera*

T

3²⁴ 15 *do. arenicola* The early stems are
prostrate or ascending with declined
tips or ends.

T

10⁴ 18 *Euthamia graminifolia* 1912. C in
Squam especially near Ponds. Sep 25-27, 1915. C
along roadsides made good by Squam: + freshets appearing
yellow red soon, flowers generally full & bright.

5²⁴ 15 *do. caroliniana* Sep 25-27, 1915, mostly full.

T

10²⁰ 18 *Lonicera arbus lineifolia* 1912 June 30,
small flower buds. July 11, very first flower

4²⁷ 15 *do. asteroides* July 11/12, very first flower

T

48 Aster concolor (intend only in 1912)

5²⁸
19 Aster undulatus T

5²⁴
18 do. patens T

3²⁷
15 do. Novi-Belgii T

17²⁷ do. actoniens

do. elodes

do. novae-Belgii x dumosus

5³⁰
24 do. spectabilis T

5²⁷
18 do. dumosus T

do.

Aster Pringlei

9 ²⁴
19 *do. latiflorus*

do.

10 ⁴
20 *do. divaricatus* as common in Oregon
checked as in Walter's Key
book - 1941. Thicket in Oregon

do. ummatus

22 ²⁰⁰
15 *do. multiflorus*

do. tenuifolius

do. subulatus

8 *Erigeron philadelphicus* 1911 June 9 + Quaker
still near the shore. 1912 July 8, Pocomo, near Hancock

5 27
15 *do. racemosa* L. 23^d large buds. 25th (1912
(June 27 + a scattering) growth in pasture E. of Poor House
(stems all dried up = to annuus.)

26 28
26 *do. annuus* appletown form - just in full
flower - 2 days after (1912 June 28 + generally - Sauld
Hills. Forest generally E. Sauld Hills + very near to Kay-
les plantation = to annuus.) Sep. 26/85. clusters of large
plants in a farm in Igham (annuus).

3 27
15 *Leptilon canadensis*
do. pusillum Sep. 26-27, 1915. C. Thridely scattered

20 11
20 *Sollingeria umbellata*, Pl. h. way
Shall Igham only 1912 July 11. flower buds, Hancock.

3 27
17 *Senectis linearifolia* 1912 July 5.
two flowers (together) 20 other flowers to July 14.

12 13
12 *Baccharis latifolia* 1911 June 12,
abundant on Co. Katy. 1912 some good bushes on
Co. atre.

+ 10
10 *Pluchea camphorata* 1911 June 7. last
during the collection + short pair of leaves. Pluchea only
by odor. 1912 July 9 very small plants

7
17 *Antennaria neo-diocia*

41
22 *do neglecta* a poor plantation of it east side
Long Pond. 1911 Quince, N. of the town, T. & S. R.

410
do petaloidea 1912 July 10, based leaves
at original locality.

22
15 *do plantaginifolia* ^{13th} gone to seed. T.

574
do. ambigua 1911. June 5. at the station
west of the town along the top of a bank with
A. plantaginifolia where I found it two years
ago - now passed but fresher than *A. plantaginifolia*
7th Bank of Capann Pond. 1912 June 29. all dried up.
Sept 22, '15. A. mainly the leaves of this var. plant
towards T. & S. R. Pond.

15 *Oenothera maritima* 1912 July 16.
Some white corolla (Long Pond) not yet mature.
Sep 25, 15. Madinet C. on muddy plain & well scattered, not
in close groups.

16 *Erigeron obtusifolius* very small
plants.

17 *do. virginica* Herbert Norton's back road to
plants x. Spots Group Saturday 21 x 1912 June 27, +
C. damp roadside n. of town; Fleming Pond. Measomer.
Wasscher Pond.

18 *do. bicolor* July 9/12, Robaden & Madinet
Chen Pond only, plants small but in full flower.

19 *Scilla helenica* 1911. June 11. A few plants
seen previous back of the Spring field.

20 *Redbeeda lutea* 26th x Howson & Kemmer
1912 June 27 x Rader C.

21 *Helianthus annuus* 1912 Sunset on
bluff. small plants.

do. scaberrimus

20 ²⁹ Helianthus divaricatus Squam.
Sonch.

20 ⁴ do. strumosus. Squam 1911 June 8, lower
alpine point.

15 ²⁹ do. tuberosus. A waste lot near the
shrine, full of it. Frequent.

28 Bidens conrata T

17 Bidens cernua. My first plants -
Kend. Wood farm, 1st year.

22 do. frondosa.

6 do. vulgata.

Galinsoga parviflora

Achillea. N. of the town. Large flower = bicolor.

3 ²⁴ 15 Achillea millefolium 16th only T
sp. only in flower up to 29th 1911 June 3 - not
nearly in flower. In full flower at my camp June 3.
got a few plants just in flower 1912 June 27 + fresh
look white & deep rose flowers - & pale pink -

Chellies L. Nelson + Plains towns &
Wahquechew Park

3 21

16 *Antennaria octula* 18th x. prostrata. No other
flowers collected up to 27.5 1912 June 27th
generally to city town & many distant places July 27th

3 24

15 *Chrysanthemum leucanthemum* 15th T

4 29

16 do. *parthenocarpus* occasional on lots & fields
29th x June 27/12, 7 bush - frequent. 1st lot, the form
with smaller brighter yellow disc & longer rays seen in
cultivation & thence by street sides.

4

17 do. *Balsamita* only at the two original
stations 1911 so. Spreading at the old house east of the
harbour. One station by bluffside N. of the tower

3 30

16 *Taraxacum vulgare*. Root type & crepanum T

3 31

15 *Optunia caudata* 27-10 flowers T
buds yet 1912 July 18, large panicle, one almost in flower

17

do. *abundant* 1912 July 12. once by
street side.

20 *Artemisia biennis*, one plant of seed, stems
in the sand on the beach at Waukegan - small buds -

3 77
15 do. *Stellaria media* 17 + 1911 June 7, Cays
buds but none yet open. 1912 June 27, some flowers
still but generally past flowering July 11 - open plants still
in flower.

do. *vulgaris*

7 77
19 *Erechtites hieracifolia*, Plants only a
few inches high 1912 June 27 to 10 inches high

4 77
16 *Senecio vulgaris* + 1911 June 4 + 1912
June 27 +

3 77
15 *Arctium tomentosum* 1912 July 14, M.
flower buds yet

do. *minus*

1911

1912

225

June 3	225	enclady 1	June 22	305	"	1
4	106	" 2	" 28	100	"	5
5	55	" 1	" 29	67	"	1
6	14	" 1	" 30	27	"	0
7	67	- 0	July 1	60	"	2
8	32	- 1	2	48	"	3
			3	22	"	1
			4	28	"	2
			5	13	"	1
			6	14	"	1
			7	7	"	5
			8	20	"	3
			9	29	"	6
			10	15	"	2
			11	20	"	2
			12 rain	5	"	1
			13	10	"	3
			14	11	"	

794 16
803

actually by account

1912:
 Sheels collected in 50- }
 inc. Panicum say 90. }

Jan. 1914 Record of mounted specimens
received from Mrs. R. D. Lyman for examination &
returned to her.

Myosotis arvensis Hoffm. June 29. 1895 fl. & fr.

field. A good sized and beautiful plant.

Thymus serpyllorum L. Aug. 1896 + fl.

Mrs. R. Goddard

Cicuta bulbifera Aug. 18/99. Border of ditch
in full flower and bearing many developing
bubbles. 8.5 dm. high

Ambrosia psilostachya Aug. 31/97 "field"
in full flower fruit. Perfectly typical

Petroselinum petroselinum Aug. 16/97. fr.
weed in garden

Menischa canadensis Aug. 15/01 fl. labeled
arvensis.

Menischa rotundifolia Aug. 19/95 + Mrs.
R. Goddard "in garden" Leaves distinctly
short petioled, base crested serrate, thinner, less
dark beneath and less rugose than the most typical
examples, the leaves various, interrupted lobes.

Menischa crispata Aug. 1895 + R. D. Lyman
fl. - perfectly typical.

Physalis pruinosa. Oct 2/02 "waste place" +
Aug. 25/01. "Wetland" + fruit young.

Arctium luteolum. Aug 11. 78. 78.
common - fair to good

fr. - up

Wade River or Tuckermans River 17/11

- 1 Robin's nest singing
- 2 Catbird " "
- 3 Brown Thrasher 1
- 4 Barn Swallow C
- 5 Song Sparrow C singing
- 6 Savannah Sparrow C
- 7 Meadow Lark nest
- 8 Red Winged Blackbird C singing
- 9 Blue Jay a small party
- 10 Common Crow C
- 11 Herring Gull 1
- 12 King Bird 1

Handled 1912 -

Sickle billed Curlew - July 13 a flock of 5
seen on Coquina -

Total number of birds seen 1912, 35 -

Handled Sep. 25/15, Bombus c. c. c. flock of 10

near the "Haulover". Length (very limp) 18";
wing 12"; Tail broadly produced alt. $11\frac{1}{4}$ ";
tarsus about $2\frac{1}{4}$ "; bill from base of cere
 $1\frac{9}{16}$ "; middle toe & claw nearly 3". Black
above, slaty black beneath, the feathers closely
gray with blackish tips; lining of wings
showing some white.

June 4

33 Parus atricapillus - Peris E. of the town.
1912. Seen once south of fair grounds.

June 5.

1912. Seen once in square.

34 Pipilo erythrophthalmus. One in Polpis.

35. Rail. The deep or Squab-like of a Rail heard in a
box on June 7. 1912. Seen once.

June 17. Tuckermant.

36. Mourning Dove, one seen along shore. 1912 one
seen July 14 from the boat on the way to camp
replied.

37. Blue Jay. Spt. Heard calling & screaming in
the catbirds.

38. Brown Thrasher. 1912 Not seen.

Total number of birds seen 1911. 38 including 3 on
Tuckermant.

28 Black Duck. One near Brown Pt, evidently with a
brood near. I one at Copacumbord. Caught two
young. which when let go disappeared beneath the water
at the edge of the pond. I waited over 10 minutes &
saw nothing more of them. 1912 seen a few times; evidently
still with young July 30.

29 Quail Heard once in Lagoon & once in Poffins
1912 Heard once.

June 11

30 Night Hole heard valley notes. 1912 Not seen, but
the remains of a recently killed bird found.

June 12

31 Upland Plover. While driving through
Shonemo one alighted on a fence each
side affording a remarkably close view. It uttered
its characteristic notes when it flew. 1912. Heard only
on the plains near the South Shore July 9.

32 Piping Plover. One on Caskety - 1912 the
color of same than bird on Caskety July 13 was fresh & clear.

Sooty Shearwater Picked up one on the
beach at Caskety which could not have
been dead longer than a few days. It
was the very bird I last coming in on
the boat. June 3! Now lying

22 *Vireo olivaceus*. Singing in the elms on
Main St. 1912 Song not heard till July 12. after the
first rain since May 30.

23 Swift, one flying over W. Water St. June 12
a pair by Sea Cliff Inn. 1912. Seen several times in the town.

June 5

24 *Geothlypis trichas* : C. singing, 1912. C

25. Short eared Owl. One started from a
dense hedge but tucked about midday. June 10, 2 in Squam
1912, Saw perhaps a dozen or all

June 6

26 *Dendroica aestiva*. one below the Cliff.
one at Wauvick 1912 fairly common

July

27 Plover One near Albion Pt. 1912 Seen several times
on July 10 Saw two at Long Pond

16. *Cotyle riparia*. 1 at Red Pond. Capron
Pond. Polpis. 1912. A good many seen along the cliff
from Monument to Southside.

17. *Porcedio gramineus*. Seen along road to
Horn Hill. C. 1912. C.

18. *Passerculus savanna*. One perched on
Monument E. of Macker Pond. - C
1912. C.

19. *Circus cyaneus*. 2 ♂♂. frequent
1912. C.

20. *Crow*. Seen. Horn Hill Pond. Pines. C
1912. C. seen flocks of as many as ten -

21. *Cockatoo*. One heard near the Horn lot.
- two or three purpled first notes followed by
a series of 8 or 9 slow single notes. Some 6, one
heard below the cliff - a rattled series of preliminary
notes followed a slow series of disconnected 600 notes.
1912. Cockatoo seen 1st time. One identified June 23
as the Blackbill. On July 6, a yellow billed crow
seen near Tanager. Identification rests only on the tongue.

10 Barn Swallow. C. singing since
1912 C.

11 Catbird, C. A characteristic bird of the
snappy thickets with Geothlypis trichas.
1912 Scarcely C. this year

12 Spotted Sandpiper. a pair on the River.
1912. Not seen.

13 Quiscalus purpureus. One paired my window
at sunset - A few in the town, not seen
elsewhere. 1912. A few in the town.

May 4.

14 Kingbird. Not paired. C. frequent along
road-sides. 1912, Common, more so than last year

15 White bellied Swallow, Not. along road to
Water Works - Rather C. 1912. quite C.

color in the wings which I saw plainly in the birds flight

4. *Myctaria grisea* - a pair on the
breakwater. Common especially on Fair Isle
1912. Not as C. as last year.
5. Kingfisher 1 in the harbor - another a few
days later. 1912. Seen once.
6. Robin. C. Singing. 1912. C.
7. Song sparrows. C. ^{Singing} a nest with 4 eggs. Seen.
Very C. a number of nests with young found.
1912. C.
8. Red winged Blackbird C. Very C. Singing
1912. C.
9. Meadow Lark C. 1912. frequent

Birds -

Sancti Spiritus 1911. June 3 to 17.

" 1912 June 27 " July 14.

1 Puffinus streicklandii

A large black looking sea bird seen from the boat about 2-3 miles off shore. At first I thought it some black object floating on the water ahead in the course of the boat.

It rose rather heavily from the water appearing for a moment like a black sea duck but at once I saw that it was a bird. I had never seen before. Its wings were much longer than a duck's and its flight a short series of rather slow flaps then a short sail which alternated regularly until it alighted again on the water. It flew directly over the surface and when landing its outstretched wings described marked descending curves at right angles with the body. What could it have been - (A sooty shearwater! see note under date of June 12)

2 Sterna fuscata C. 1912, much less common than last year in the first half of June

3 Larus atricilla C. 1912 also less C. than last year.

June 1910.

11th Short eared owl Two seen from the
train over the river after 8 P.M.

23^d Black orby nighthawk ^{Two heard about} ^{miles out on the}
all I could hear; 25. Heard of Screech. 7 near hatched.

27th Mourning Doves! A pair on the grounds of
an unopened summer cottage on the shore near
the bathing beach evidently with young near
by. The action of the birds indicated that the
young were hidden in the rank growth of
beach grass and other plants which matted up
against a fence along one side of the place.
The birds uttered harsh cries of concern &
frequently dashed close to my head, once
and actually struck my back as I was
looking over searching in the grass. I did
not find the nest in the few shrubs not tall
near beach nor by, but it may have been hidden
in a dense mass of vines which clambered
along one side of the house. As I was leaving
the island by the mid-day boat I could give
only a short time to the search.

20th *Dendroica aestiva* Frequent

20. *Pipilo erythrophthalmus* Frequent.

21. *Molothrus ater*. Seen once

22. Rail.

Long Pond. heard distinctly the notes -
Cree-cree-cree Cree a bit, chick. - I heard
the same notes some days ago but omitted to
make the record.

23. *Sturnus vulgaris*.? Am almost certain
of seeing one flying over from near the
Post House. It made a flight to the far
distance.

18 *Polioptila caerulea*. Frequent.

" *Parus atricapillus* one seen in the pines
- *trichicapillus*

" *Sialia sialis* several times seen about highway
south of the town, Sep. 26/15. one.

" *Cercois hudsonius*: Frequent or c

" *Actitis macularia* Several times along beach
Beach, also about
a nest with 4 eggs in an open lot at the edge of the
town June 21. A very pale young bird among the
sand dunes near the bathing beach June 24. It
could not fly & I easily caught it.

19 *Heteractitis longirostris* - a few times.

17 *Tachycineta bicolor* C.

" *Cotyle cyanea* Several Times

" *Ceryle alcyon* Nancy's Pond.

" *Corvus americanus* C.

" *Botaurus lentiginosus* Two seen

" Quail Heard Several Times

18. *Spizella domestica* One seen by the
railroad about a mile out from Georgetown.
It was on the telegraph wire & flew down to the
railroad embankment. The first I have ever seen
on a taut wire.

5 *Sturnella magna* C.

15 *Melospiza melodia* C.

16 *Vireo olivaceus* Frequent in the town

17 *Tyrannus tyrannus* C.

" *Geothlypis trichas* Frequent.

" *Protonotaria citrea* C.

" *Passerculus versicolor* C.

" *Polioptila caerulea* Lutes.

Birds:

Antioch Id. June 15-27, 1910

total 36

15 *Larus atricilla* Common

" *Sterna hiemalis* C.

" *Hydrochelidon grisea* Frequent.

" *Agelaius phoeniceus*. Perhaps the commonest bird.

" *Icterus myiarchus* C.

" *Galeoscoptes carolinensis* Frequent.

" *Geothlypis trichas* C.

" *Hirundo erythrogastra* C.

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