8-19

I. Aster influence colony, Lincoln.
Colony doing well. FL + someone by.

Also w/ Desmodium rotund. (PIX), D. puniceus, D. radif.

Cheeked hill+ledge S of Rte. 2
NO EDW, no chippy, rocky slope.

II. Sudbury R, Wayland

Scripus flow. -- abundant -- many
thousand told keep growing, but relatively very few fertile -- both sides of Sud. R.
(but mostly on S side) and also N to mouth of Head Rd. (where I collected). Enter via Curtis prep., Erwin Rd.
With Typha lat., Lythrum, Polygonum. Pure.
Tends to form pure colonies.

Podostemon pure. -- abundant on
stones + smooth rocks + in crevices between them, under and down stream of bridge. In water up to 1.5' deep, water was ruffled but rapidly flowing.
Water brown colored; can't see plant under 1' of H2O, but can feel them due to seaweed-like or rope-like texture.
Col. PIX.

Growing w/ Chara sp, Lemna minor (stick to stone -- pol-eater from up stream).
Potamogeton w/ 1-2 ft. long LUS. Moss.
I Salt marsh, just on E side of Audubon.
N 1/4 N 6, Warhem.

Spartina p. - cts on higher ground
on E sides. pix
S. patens - cts in channels pix
Distichlis - cts pix
Suaeda - "
Scirpus am. - cts
Triglochin - "
Aster tenuif. - some wts. pix
Salicornia europ. - cts FL pix + col
Phragmites - cts at edges FL pix + col
Panicum vir. - "
Potentilla - cts at edge
Agropyron repens - good at edge + on
sandy woodland

II Scirpus robustus - cts in marsh,
border of fresh creek, S side of G.
Enter I. cts Sp. p. at edge here.
Elymus v.g. -
Typha angust. -
III.  
**Spartina cynosuroides** - **Ct.**, **Pik.**, 1.00 = plant FL along bushy creek (same one on last page), **N** side of **Ct.**. Shows on map.
W1. *Uncomagand*, *Solidago canus*.  
**IV.** *S. alterniflora*, *Chamael*, *Potentilla erecta*, *Scirpus robustus*, *Penicillium virg.*  
**Col.**, *Pluchea*, *Aster*, *Tymal.*
Quite easily told from nearly all of **S.** plant.  
by **purple-tinted spike + spikelets + silty**.  
**S.** plant *purple-colored w/ *Watsonia* + *Attilia*.

I think leaf width isn't always reliable, but
helpful. Spike color is good. Branched
inflor of **Ct.** are much more spreading.
*Ronida* - faith in down creek.

**IV.**  
**Sp. Oyno.**, - several thousands  
plnts FL in marsh on **N** side  
of river, from **W** in Agavita to  
the bridge. Easily see from point on  
**S.** side of river
2-3,000 more along **S** side of river  
**Superior** from **Paul Co.** to  
**E** to **Willow**  
river in closest to rd. on  
**east** to bridge. **Ct.** Mostly in reed  
**band.**

**Eriogonum laterale** - open bank facing  
5.5 M at foot terraz. Later. **Ct.**, **Pik.**
Purple tips to bracts.

Sign at end road is nearest to river  
Seg. "Town of Warham Wldlfy  
Sanctuary. No Hunting."

**IV.**  
Shore of cattwalk along **E** side of  
downtown Warham

broken-glass - common
**spt. alt.**, - abnd.
**Suada linearis** - common

**X.** *Liatris spicata*. - abndant, from Wash. Fed.  
**Co.** and **N.W.** ward on mud mud  
among **Spartina**

River mud is quite soft + salty
**Penicillium oligosporus** - along **RR** (see 3 pp ahead).
**Bromus avenaceus** - along **RR** behind **AP**
*Big Bluestem*  
**Col.** Common, right down to edge of small  
Thousands all **ctd.**

**Ct.**
nothing but algae growing out in
river channel.
Lupine - 50 ft. Noted: beet/ATP and esp
Where we went before.

** Spatina cyno - several hundred
more 3 ft. L. 1. 2 ft. E. of Ochlockonee
W/ Spat., alt., Typha angustifolia
m. P. and V. Acernia brevifolia
Scattered S'E used to where RR comes closest.

IV. Agawam R. E. Wareham - Park End of Knowles St.
300 ft.

** Tillarea ap. - Cotton in 3 ft.
mud, E. side of Ag. River,
E. Wareham 3/4 of a mile
including a
7. Not as far S. as where RR is closest
And so heavily veg'd of Ericaceae
Parkin 12, Lindenia dubia, Cattail
Col. - heterophylla moss, and some Myriophyl-
sum Nªm. Also here is Cudulate FL. Col.
Biloxi, Sagittaria latifolia 2-3 "
Acorns - abundant in marshes.
Polygonum hydropiper, Lythrum salicaria
Al. Pic. Eleocharis aquatic

Vida cucullata - common at upper
edge of tide along bank of river.
Col.

** Tillarea - Some plants are seen
on S. side of N. of the river in
closest to RR
Probably more on N. shore where
springs come up. - Sought to check
this area which is behind sewage
 treatment plant.

Nada downstream in large, open mud
flat @ bend of river.

** Sagittaria S. sub - Loads on both sides
of N. and an expanded mud of marshy
channel. Wolf older River

The Lindenia is the cutaway inundated Col.
Loads here & SW along shore exposed.
8-23

I MT Tom Power Plant, Holyoke
loads 2000+
Sorghastrum nut. in dry
Anthropogon scap - field along E side of RR
trail, just S of white cock -
unloaded + peled up E side of
Power Station. Pix, Col.
W of Big Blue Hill too, cap on W
side of trail

Crotolaria - in old cinder path along
demolished RR track, same place. Also
out in 'prairie'. Note total. Col.

Panunurus alpinus - same prairie
meanor power plant. Col. Same Sp
that I saw few of yesterday @ RR

@ Warsham. 2 to spuitum but high shrubs
and spikelike 2x Sh

Area disturbed, but regenerating nicely.

Also more Sedge. + Big Blue
Col. RR + Rte 5 S-wards

Rows of river all along property
are sandy, narrow beaches
abruptly flat from wooded banks.
No EOs of any sort.

II. Dinosaur Footprints, TTOR

Isanthus braconis - 75 + fl
in cracks of gravelly sloping stone
W. Face. E-facing
Surrounded by Comm. monieri
Rheum typch. Rosa card, Slidey mung
* Potentilla argente - firm but good # nearby
@ open banks by foot of wall by road

Euphorbia virga. Aster petales, Pyxum
lumum vir.

* Centaurea maculosa

Col. Pix.

Several more @ river stone slow -sliding
Ledge at W (Chico) end. This is E of RR on Hopedale Water Power Co. land.

* Aster ptarmicoides - 100 + FF

Same ledge, with small inlets of Rg. Bluegrass, Centaurea maculata, some little 'pinhead', Pennisetum, some Aster trad.

Plants grow in clumps, up to 1 foot, shoot from spreading rhizome.

* Aster trad. - 250 + FF

Further toward river, on tenth, large clumps. With Amsopoa sibirica, grasses, Echinacea, Mertensia, small poplars, Lycoptera, 'tulip'. Polygonum persica, Amorpha frut., Xanthium, other adventives.

Also some plants out on sandy slope.

Soilet 160 yds N.

Pix

* Vertical (w/shelves) ledge on E side of river looks good. I think I see Amorpha.

Rest do by boat.

Checked along RR Nwards for 300 yds
to open ledge by track.

Winte kept Wood's astor, Ebony spleenwort (few of each).

Evagrostis pectinacea - Oge patch at disturbed sandy soil on E side of RR just S of S inlet

W/ Molle (Panicum capillare), weeds Cal.

Lot of Sorghastrum along W side RR 50 of ED area

Elymus canadensis - col from open thicket at edge of RR

Very long awns, large curving spike.
8-24

I. Crane Beach Res., TTOR, Ipswich
w/ Gro Flatsbo

Got driven along outer beach to SE point of Castle Neck. Nadac worn beach just regular wreck flora. Nice to see beach w/o any vehicle trax greatly increases the wilderness aspect.

★ ★ Aristida tenuis - dense colony of 1000+ plants in 5 sections along a narrow sand trail thru area of interdune swales, dunes, mini-marches.

w/ Habenaria comosa, Ammobrotia, Polygona... artculata, Cyperus filiculmo, grass beech pea on edge, Carex scoparia. We think it is just S of "IC" of IPSWICH on the Gloucester Tops, SED at 30' core.

Thickets surrounding 20 have hawk's, P.L., Polygonum scard, Linaria vulgaris, Phragmites, Scirpus cam, Solidago, Sparganium, BLK Flora.

GOPL flyover, calling

★ Suaeda richii - salt flat on Castle Neck River, still on Gloucester Tops.

River bordered by Xeric alkali flats of Spartina alt. Flats dominated by Salicornia very + sparse, w/ some beals. Suaeda linearis - common, salt upright, w/ obviously beaked seeds.

★ 5. richii to prostrate w/ some branches ± upright but most flat on sand. Root clst towards tip ± elong. Branches heavily bent w/ fruits, w/ hearty many spaces between them except for ± follicle or ± dispersed dries. Plants ± all green. Seda...t. 3rd

★ ★ Sapid of Suaeda, prob. 5. mont... have variable amount of people on stems, fruit ± live. Plants prostrate ± erect branches or " ± erect. No roots. 2d to less fruits per branch, w/ gaps. Hard to destroy. From richii by any definitive character. Seeds dh. 1bm. 3...
Some no longer than Richii. Bunches not curled.
A ll 3 spp. have + glaucous leaves.
I col. examples of all 3.

Glassy. Sparganium marina, Telmocarpum
Triglochin, Aristida tenu.

Call sets, haven't thyme today.

Aristida tenu. — 800+ in
Pretty loose sand w/ Halophila T.

Amphibola in slopes + scalp.
As marked on map under "C" of
CASTLE.

Pix.

Agrostis mant. Late in flat, by marsh
Of saltjack + Spirit path. SE end
Of 3 mi shown on map (beamsters)

Swepda mant common here — Low
Regular tidal covering + upper-sandy
edge. Separated from true beach
5 m by low-sand dune. Plants
purple of green line. Col 2 (prostrate).

Aristida — 200+ on same low ridge.
Dot on map.

" — 1000+ m stabilized area south
SE of Willem Hiel. Old road
On map not apparent here, but
Scale of N in. W/ Lathena care
pens, Rauhiana, Amphibola, Plocenilla

Lrencha mant. Shallow slope on flat.
Cyperus greyii
Climbed to top of wigwam Hill.

At Aristida tur. - 800 ft - atop shallow slope, So. facing atop wigwam Hill Col. Dot.

Walt Sea, papyrus, Amorph purity - 200 ft more S of check, 3/4 end wigwam Hill. Dot.

Great view atop the hill!

- 50 more on W side entrance rd to Crane Beach, ca 750 yds N of booth.

Elymus virg. - base of steep hill @ beach - 100 plants Col. per 10

Alysga - daisy, and common echinacea - steep hill. Col. basal tus. scallop-toothed.

Senophila - steep hill, numerous

S. nodosa

River Grape - steep hill @ beach + hermit
8-26

W/Tom RAWINCHI

Sanguinaria - 30 FL + 40 mm
in meadow now mostly yeged
rte 1 Rowley just 100 yds N of 133.

T. MILLRiver, Rowley /Newbury

Checked Lophocereus site
Doing fine down in among
Zizania which is more extensive
this year than last.
Many plants FL - Pix t Col.
Flow stubs about 1/2 - 3/4 length
of eg. leaves

Bidens hyper - good #1 - more
noticeable this year than last.
Col.
Callitriche ? blandy-fish sp. @ E.
Witchom, Col. Nuisances
on more sandy - stay befon
Rowley felter.

Canadina pensylv. - lots to be.
1. flow - pinnate lvs. Col. for id.
Initiated zon, eg in Rowley on
more sandy beach.
Col. Only 1 - 4 lateral leaflets
per leaf, all crema - ovate
or crema - elliptic. Plants sub-
mersed by normal tides. Fruits only
10 - 20 mm long

Now W/Frankie BRADY
+ Tom

II. Black Rocks Point, Salbury

Looked for Carex salina -
No luck. Only Carex seem was
Walter type, prob. C. selica.
We recorded all the associated spp.
mentioned by Posten & Freuler, plus
Euphorbus gruvii + C. filiculosis.
Spodrole cryptandrus - (grass) Col. from sandy
border of marsh - need

Ted Ansted - tel. - in stable sand
lot entrance road and back parking lot
Just N° Whidbey goes to BCL Rd.
and camping area
600+ plants Col.
1000+ more N winds in x hab.
& E of entrance Rd.

III. Hanover St. Marsh, W. Newbury
Scirpus smithii - infreq. in sandy
upper exposed flat. W/ s. bristle. Col.
Equisetum var. - upper border,
many w/ branches. Lots, local.

Sag. 'rigida' - Col, FF. Small plants.

pix of Lindernia dubia var. inund.

Isoetes - 20+ plants, same tidal
sandy mud (ferm). W!
Sag. microdes, Scirpus am + Smith, etc.

Col. = I. murnica
Plants mostly high on exposed flat.

Cyperus (rivicola?) - no color to scales.
Scales not sharp tipped on rhizomes.
Bedaeva cornuta - muddy/sandy shore
of Art. R. Col. for 10

Is a dam short way upstream -
C#old road.

Art. Bedaw - several plants noted
along x posed bank, B of Art. R. and N.H.
R. - Col. 1 plant from N. part
side

I. Tuxbury Rd., Amesbury.

Pond rather eutrophic, bottom & covered
by Utricularia (Centunculus) purp.
Vulg., minor, Potamogeton sp. - Col.
Potamogeton spp., Elodea, some
Chara, Myriophyllum humile - lots
Ranunculus flab., Vallisneria FL

Col.

Nice for aquatic - lots, spp. diversity.

Myriophyllum humile - lots, EF
red stems but leaves
obviously longer than gilt, at Baldpate Rd.
and not where S Shore, N of Kimball Rd.

* Isoetes minuta - So shore where
a tiny 'beach' is on banks.

10 plants noted, eg C flesh next
scrump. Elsewhere too crowded
ed W veg.?

Col.

Checked other places around pond -
no luck, too heavily veg'd.

Bottle W of pond S of Kimball Rd.,

much more eutrophic.

VI. Poowow River, at dam, shorty
5 of n'th 108, E. Kingston, N.H.

* Isoetes riparia
100+ noted above

dam in sandy bottom, 5"-2"
of water. Perhaps further out, but
H2O too dark to see. Brown, acid H2O.

Little other aq. veg. assoc. w/ it.

Leaves long, most 6-9" or 50,
31 Aug

I. Cary. bog N of Red Brook Rd., Cataumet / Messet. Same place as in Jul.

W side of bog cut (mowed) very recently.

E side steeper, not cut. Large Senecio, several H. dumosum.

Big Bluestem - few E N. end.

Chelone - " in cran. channel

Liatris - some E old H 20 lower site w/ lots Aster spect.

Grass - red grass - chestnut


II.

Fagus - Red Brook Abn. Rd., fields R.

& Umbellum green - same place, on shady bank. W of Silverrod. After dinner, Polyg. pub., Salix.

Carya, Cornus florida ('green-stem')
Lady Fern, Cimicifuga racemosa, Asarum
lepidum, Carya tomentosa, Osmuga
Wistaria, non-glandular hazel-nut,
Wh. & blk Oak.

Pine-oak, quaking aspen, Norway
maple, blk cherry, R. cedar, planted
Desmosodium ulicaria
Plantago arist.

Auroclaria Virgin. - densely downy
ves. 1 plant (5 stems) under
Wh. oak in old light at top hill
w side of rd. FR only

Rice's hirt. - few
Viburnum amoco. - of quite heavy
petioles, undulata, but thier
texture, not broad-ruage. only
ad. in stem has smooth line on
sides of rays. Col.

Not quite dry enough for Agalinia
too grassy and too well-maintained

Cemetery E of Church, No. Falm.
No. Falm, Cong. Ch.
Convallaria - leads to cated critic defence
Pilobolus sub. - " " in grace,
Pyroclum

Wild Harbor
Broad-leaved Eleagnus - Wild Her Rd.

Ribes pepl. - late, head I, branch-
Clear dryish marsh. S side Wild
Her Rd. W/ Lythrum

Arab subdivided. Only 1 open field with
No suitable field for Agalinia here now
Ill Walk to crm bog by Wings Pond from R.C. Church

**Solid caesarea**
**theunicum secalcom**
**Hel. propinquum** - bctmn, camad - frequent + along dry W side of bog by rd.
**Hypoxis - FL (1)**

* #1 dumosum - 10 on dry slope on NW cor of big bog, N of rd. *Hel. propinquum, Arctostaphylos, Astilbe, H. Reticulata, Andropogon spp., Baptisia*.
* Plants low, small-clawed

* #2 dumosum - 30 on S slope, plus 50 on SE-facing slope shortly W of orch., more lichens here. 12yrs.

- Selaginella
- Linum vinv - atop dry knoll, W side of bog, much lichen.
- Several more FC Hypoxis
- Ath. Spectabilis
- Nice nlt on knoll, but made

* Pond has no sandy shore.

* Spiranthes tuberosa - 25 FL on bed, same place but S end of rd.
  W/ plants but also Vaccinium vacil, *H. Reticulata, Ast. dumosum, Desmodium cil.*
  All w/ white thorns
  A few other sst on slope to W

* Dry Cave Cyn., Falm.
  No good

* Open field E of Trotting PK, Falm.

- Thicklygrown to Andropogon spp., bayberry, Desmodium cil (loamy), *Hel. Reticulata*.
IX East End Meetinghouse Cam., Sandwech Pl. - Falm. Naked -- too grassy

\[\text{Polygala milt. -- edge of, barely escaping to efforyl herbicide} \\
\text{Amstel dichot.}
\]

\[\text{Cepesega angustif. -- 25} \\
\text{near patch of Galmegeopter} \\
\text{30 Morel (rod)side near Amstel (to E).} \\
\text{Euphor. 'pelosum' -- mean shrubbery so 'line.}
\]

\[\text{Altona -- 26 FR just E of where red prose so shrubbery.} \\
\text{w/ Polygala milt. -- 30 healthy plant.}
\]

\[\text{Lilium phil. -- 3. Capsule w/} \\
\text{3 side and 3 broad grooves} \\
\text{Apocynum andria} \\
\text{Euphor. hysep. -- lots}
\]

\[\text{Grass. Col. from} \\
\text{Carex pen. 'meadow' W of Osypemiro} \\
\text{Power Studies -- 5 side of 'line near low spots.}
\]

\[\text{Setaria faber. -- harsh by rd. N of 'line} \\
\text{Ammiunthus -- do. Narrow inflorescence}
\]
Commelina com. — same place.

Scarlet oak
Solidago elliott. — hilltop under line

Saw no Rhodo. NO!

Pouzemia common — 15 + patches of plants cold thick line, mostly @ edge near road. CD. Plants all autumnal now. Maddington.

Anserina florula — smooth, glaucous stem, FL + / FR. 1 plant w/ 2 stones on roadside, Lowell Rd., Masp.

XII Ponderos Cent., Sandwich

Sriranthes gracilis / leucra — both here, too.

Vegetatively occupying unknown areas: Jg. Rep in floral size + timing. Individuals.

5. Tuberosa — 6 + FL or bud, mostly W, SW, NW

5. Veneta — 9 FL in 5 part
Fla. = size (or smaller) of largest lecera.
Plants small, 1' or less.

Agalinia acuta — 21 C Benj.
Hedge cove w/ linden, most plants also have dropped 1-2 leaves. Many also have been cut ca. 2" upon stem, w/ regeneration.

2 More C W. 3 of Francis Hoxie.
3 C "Fattie" in front of Steve Jones. None cut.
1 C Grandma Susan Magee j. Uncut.
1 near backwoods S. C. M. Uncut.
3 behind Elvis. Recorded stone. ""
7 in front of Hannah."
10+ graves here been recently moved

Most uncut plants 5-7" tall.

None seen in periphery areas, now taller. Androceum + where most orchid area.

totally inf. Helicium mudd.

Rudbeckia stricta — manyseed + 1 FL. Could be a problem yes to plant—done.
1 Sept.

W/ Bill Brunobach

I. Sacred Heart Cen., Oak Bluffs


Emp. hysop - Lots
Conopria lancea - *

* Hel. propeing - Lots, Col

* Asclepias tub. - 50+
Pepelium - Lots
Sparranthus danae /Irae. - 1

No Agapanthus

* S. of Sarramchium

Bill Col. 4 plants live

Clematis disc. - rotted. SSE of S. H. with
II. O.B. Airport

Only checked W end around hangar.

No Agalene -- sand seems a bit too transitional to stabilized dune.

** Clove ay [[H. demersum]] doing v well, producing many seed capsules. Bill collected few capsules from many plants.

and 2 demersum live + 1 prop. live -

/ Emp. hyssop, Chrysopsis, Eragrostis sp., Andropogon scop, Lechea minut.

* Paniceum aubertii -- Cit. Col. 2 Baptisia

Eryngium pusillum, Paspalum

Juncus pelo + canad. Flaccum-triplum beach

Cyperus dent. + strig.

Hypnum spinatum + canad. + rup.

Drosena nit.

Decodon

Polygala cruciata -- by old dock

Paniceum marit.

Andropogon vig.

Viola lance.

Rhynchosperm cap.

Lindernia anagali -- by old dock

Sparganium am.

Myriophyllum humile

Cyperus filicinis -- ch. 300

5 Shore W cole. several plants

C. stenophylla -- Col. Same place

nivulia

III. Fresh Pk. O.B.

Standard petty, sandy shore, but never

Xyris diff. - Col. 2

Grationi -

Rhipita - bunsbose

Ericaecum sept.

IV. Field + golf course 5 of Trappa

Pond, Edgart.

* A. tuberosa -- some still FL

** Spinus albus -- 50 + Col.

in thick grassy SW end. Col.

Another 30 in sparse rough clay 5 side. 10
Paspalum S. setaceum — dry edges
of SW end. Frequent V VII
Cat. I

Katina Plains
Asclep amplexa — 2
A. H. dimerum — near SW Corn. only
20 yds from rd. Several plants
Other sp. sold and widespread, everywhere we
walked.
A Spin. tuberosa — 2 FL, some pln

Amphora rientif. — SW Corn. @ prostrate dilligera
Astil dumosa — 2 corn.
Eup. hypocr — 2, one on S side,
E side

A. Sicy. annicola — few noted S side
of SW-NE runway
Bill took FR
1 plant w/ FL!
Others sold several plants we walked

Sedum spurium — some sold FL

Sedum — jucce, membr., nuposa timon,
graminif., oden, pulchra, petalid. / elliptic

Whinbrel — 12 on 5 side

A Linum intil — sold plants seen
Bartonia / frequent D leads total.
Sorghastrum — in A (big sp. one) formed
by runways
Anaphilll
Horstoria saccula — FL (white)
Polygala poly — some sold FL
Demodecum canad. — — FL
Hieracium circumvii

Hel. preng. 1 — sold, esp in big A.

On dry, more sparse area, 5 yd. SW-NE
runway, just W of one short angle S
ward.
A Polygala mutt. — also here. 15 in 1930
* Spiran. trib. — " 12
8 more S ward.

Hel. dichotomus — ly. color 100+ — same
area but S.

Viola petala — hers + thin, optm. top.
Hibiscus pal. - do - NE - care
Sedum cylindricum - edged
Colonies of 50+ plants FR
w/ S. valdivianum, S. arenarium, Phleum
Echinacea, Polygonum punctatum, Cypripedium
Teucrium, Lycopus virg.?, Typha ang.
Marsh Fern, nearby is Polygonum sagittatum, w/ pink fl.
Col.

Further along NE shore of Creek Cave
is a clump of Hydrocotyle umbellata. FL
Limosa subalba, Pluchea, Cypripedium flavidum,
Elatinopsis, Rumex maritimus frug.

Viburnum dent. - thry on NE side of
Creek - etc.

Dark forest N of Creek Cave
Weehawken, BLK Oak, Few Post Oak,
BLK Cherry, Sassafras, Amelanchier. P.T.
W. 6 Viburnum recog. dent., etc.
Hazelnut, Crataegus, Circaea
and
Next gnarled trees

Hetaeria, 30+ in 1 area
Sect. broom

Linum cant - Several nod. w/ Baptisia
3 wind toward W - most home along
N of dry ditch.

Amelanchier - in dry ditch
next to cement runway, w/ Bayberry, Rose, Sagittaria, Canna, w/ reeds.
1 clump. VG.

1 clump on edge of Herring Creek, W of Herring Atlante Drive, VG.
Colonies of 10+ clumps, 50 ft. extension of A. A. Drive, FR
20+ clumps in this N of E end of Creek. One w/ other shrubs, esp. Aronia

Spin, Tuliposa - 16 ft. on S edge
of dirt rd., N side of Herring Creek, W of H. Creek Rd.

Cypripedium - edged Creek - care
Asclepias pulchra - "" "" judge
2 Sept

- *Aster cordifolius* (!) — several plants growing @ edge of sidewalk + stone wall, main st. of Vineyard Haven s of library. 15FL

- Rain most of night + All. Checked Mackeever card file in V. H. Lile. Rather a waste of time!

- *Big double rose oak in front yard of Lile.*

- E. ward: Tensioned Panhandle Rd. in Scotchmen's lane

- Clematis *hors* — Vineyard H. — frequently cutted

- Echium *Uny.* — very NE and airport, Edgartown.
I. Age open field Ed State Forest HQ

* on W 1/4 of field.

* Sparranthus tuber, - 30+ mostly

II. Firebreak near, N.W. SF

* Agalinis seen on E part of SF

 sensed E of Airport

* Did not do the lane W Silius

* pacif. --- deep puddles

* Polyp. rutil. - common

A. Very nice tree on W side

* Winning N-S between "AR" toward

* "Vineyard" on topo

* W1 Tephrosia. Agerostachys. Nuda. etc.


* Simourosa etc. Avena spectabil. despadero

* With. Verbena. angust. Lechea minorly


* Alithea - 1 rosette w/ cut-off stem

* near N end

* Krigin. Ving. - 1 dm. Few FL

* Euphorbia purpurea - flat mat

* Sphagnum - Some on W side of airport.

* Same shrub

* Cassia fascic. - 25+ top in all

* 'rodeo' in full, E 1/2.
3 Sept

TO Seattle w/ E -- Vacation!

** Elymus mollis -- 5-6" rosettes, w/ upper seed heads. Canoe & Kanka Bogs.

** Linum inter -- 40+ FR, FL/FR, sam' break, just N of the Alliums. Filth & a nice oak/huckleberry forest. Lepidota intermedia -- same place.

H. Earl -- Canad. poppy -- 50+ in + around the bottom, same break.

C. A third break w/ good bed -- next one to W. Same plant sp.

** Lepidota angustifol. -- 40+ shorts Co.

H. cana -- frequent in these beds.

C. "" "" ""

We saw the sp. in low dunes (we saw no hi dunes) and along upper beach margins (muddy sand) everywhere we went on Olympic peninsula. AT Port Townsend (Pt. ), it was growing w/ Ammophila brev., as it was at low dunes around Cape Flattery.

Not easy to tell the 2 spp. & a
4 Sept

To Ellensburg + Rodeo via Roslyn

Rapid 4 in coastal moist veg. to
Sagebrush; lingering over pass

5 Sept

W/ Zee Burton to Tiéton area
California-like canyon (Sierra) w/
Peppers Independence, etc. Few birds

Later, went to Wines L. and beyond
to the campground. Few birds @ latitude,
but formers to 600 below, ex-
posing large mudflats.
Had Water Pipit, CASW, WESA, LESA,
SOSA (2), SPSA, BDO, GREY, LEYE, BAIRD,
SA (2+), KILL, BBPL, Wandering Tattler -
1 in winter plum. t all @uned grey w/ whitish
6 Sept.

Drive to Mt. Rainier

in early AM saw list of Eriogonum (possibly *E*. petrograndis) on roadside by irrigation ditch. S of Enumclaw form, Kittitas, w/ E. hyemale.

SE approach to Rainier is 2 to N past Ot. Stuka New but perceptibly moister. Summit pokes impressively up above everything except some clouds arising in from W side.

low-ler. forest w/ tall coniferous trees

Wt. Baldy Maple in moist area.

Vine Maple here + there too.

Many familiar forest floor spp... plus new ones like Adiunium membranaceum,

6 Sept.

Had time for 2 1/2 hrs walking around Paradise - went up most of way to skyline overlook. Lots of wildflowers in bloom.

7 Sept.


Impressive floral displays for what I would think is late in season. Dominated by Valerian aitch., Aster spp., Eriogonum sp., Anemone occ. (PR only).
To Port Townsend + Ft. W SP
good binding from Pt. Wilson area
for alcids, etc. in tidal rips, even
to #5 of forms were low.
Harleys in help
Dungeness had exposed mudflats
w/ lots of gulls but not many shore-
birds. Nice area tho -- this is
on mainland 5 of peninsula.

Pelicans frequent common as win
ditch + roadside bank plant

Alder thickets
Rain for AM, nite (lots).

9-10
2 marked Rumplets @ Torque Pt. SP
To Cape Flattery -- wild sea + headlands
next place. Lots of birds out in tidal
raps but too far to see well. Very
SOSH, Murre, cormorants

in
Alder forests, Harleyposkoke, rock-n-eapa
Surfbird + Black Turnstone
Near Bay - not much
Beaches S of Cape Flattery - ok, but
whole area has potential for good birds.

Rained lots & quite a bit

9-11

To Hob River rain forest.
Rained nearly all day but not heavily.
Little diversity to forest or wildflowers.
Big trees - Sitka spruce, Doug fir, W.
Hemlock, W. Red cedar.

Ocean shores is great place for birds.
Look shorebirds. Had short time to
check out flots - set 1 607

Thousands of SOSH going in big
clap right off beach at S. West
point.

9-12

Sea trip to Orage Canyon.
SOSH everywhere. In small #s
out & back, and in huge raft
around a dragger w/ PEET.
BUSH, 30 BFAIR (mostly imm), 1 Flesh
f. SH, 1 Littorina FULL, gulls,
1 FT Ston P.

Guesstimate 10-15,000 birds
Few Jaguars or terns seen.
Cassine Auklets here & there.
Lots of Brants in 25 (nd + yrs).

Flock of WF gulls flew over N-S.
2 spp. Phalaropes
1 HY Ruddy. Sandy, wanted to land on
ship but flew off.

20 SBD's calls seen, several still
in hords.

2 Marbled Murrelets just inside jetties.

Great trip!

Leader - Bill Harrington-Tweed. Steve Speck
Met Bob Scott, Preserves Rep for RSPB.

England.

from B.C.
City tour of Seattle

9-16

W. 60th Pl.
I. Little Widgeon Pl., S.W. Plymouth

Penicium venosum — lots on petty-sandy shelf at S. and W. shore of southern 1/2 pondlet. 50 cc. of 2 W.
Also finds on shore of middle pondlet to NW.

Muhlenbergia

Erectostris unif. — both pondlets

* Scirpus — 2nd pondlet on NW, E. shore 50 plants total

Scirpus subterminatus — growing in 1/2-2' of water, 2nd pondlet. Late colony.

A. Sabata K. — 80 FF, S.W. shore 60+ cc. in H2O.

Muhlenbergia

W. Erectostris unif., Rhynchospora Crass.,
Glechoma herba-aurea, Drosera inter., Penicium
Venosum, marsh., Juncus pinto, Solid.
Timus, Drosera inter., Hypericum canad.,
Agalinus plum. Rhytida; Uvula lane (3
FL.)
**EZ Trail leads from SE en to dirt turn out on Bear H. Rd.**

**II. Wedgeon Pond**

- **Salvatica K - 200 - FF (mostly FR); Col. in blip off NW cor of pond, in wet peaty soil. Little H2O in blip.** Lords Rynch. Macro. Many head rotifer.
- **Salvinia rivicola - loads FF.**
- **Salvinia rivicola - loads FF.**
- **Salvatica K. - 40 FR SW cor of pond, in blip off SW cor.**
- **Salvica rivicola - blip off SW cor.**

**Premium Spuitum - loads in blip SW corner.**
- **Elochona tuberc - good # S end of blip off SW cor.**
- **Sag. ten - # Ewa and NE plants washed up on S shore; a looks out in water & 1½' deep yielded more.** No FR plants seen. Balking surface.
III Curlew Rd.

A. Selatia K - 10 FR + seed

Shore of cove @ NE cor.

A+ Premium weight - V/\ 500+

Some cove, on sandy spot
N shore w/ S. K. - Premium sending
Rhyn. Dooran int. Rhysh. capital.
Solid turfl.
Mostly W on beach, many under
Overhanging Vaccin. - comvl. + catro.
Col. - Pix.
Plants taller, w/ fewer flowers, smoother,
and then grow than mentioned.
Also, Wright returns spring FR
Markably more so than midseason
which has dropped essentially all spring
FR and most of the stalks as well.
Leave less bread, too. Merlin has long
have on Upper Left crude.
A+ Selaria - Same cove andshore

40

Cove on W side of peninsula - Nada

heavily-used sandy beach.

Veolur pedata - 20+ plnts

in bloom in recently mown
roadside, College Rd. Rd. Shady
N of Flew Rd. Rd.

IV Bumpo Rd.

A. Drosera filig. - FR

Upper beach, dry sand w/ bread. Premium
mound on SW shore to W cove. Let's
N shore - looks. One plant has 2 stalks
1 FR, other w/ 1 FR and 1 blade
NE Cove - 6 blades. Many plants w/ multiple
stalks, all FR.
A+ Selaria erecta

W cove - 40+ noted

At W end of W cove is a bank
built to keep H2O off a softball
field that has been recently created.
Too bad -- should be good plant help.

Lots of Solid turfl. A. Aster dumosus,
Rhyn. espel. / Agrovet. scale. / phym.
are emergent out in H2O here -- up to 1'. Appears as if somewhat flooded -- those plants should be up on drying shores. Even #4 Dracna fields are emergent w/ FR!

Hemiptera: Horntailed crane - frequent, some Fl.

Polyplora - NE corner dry bech and cattle

SOSA - 1

Although well vegetated, most of beach is dry, dull.

Lycopus menstrualis
Myriophyllum humile in H2O

No sign of Sagittaria!

Director Paul Regim sez that H2O has gone up a lot since fence. Pond is used to refill hydrants and fire fighting H2O tanks reservoir.

But no artificial impact. Level has been very low last 2 yrs sez Paul.

Feering Pd.

100+ plants total, in 2 places: Ex. W shore just S of blip entrance; on N shore of blip.

No Ulmularia sub aquae -- peat moss and boggy margin in.

No utricularia sub aquae -- suitable it seems.

Only U. radiata (Fl) seen plus live of U. purp. Spirenta

No Isoetes at all seen on 5 short nor in Veg-choked blip.

Blip has clear, cold, spring water, supports much herbaceous veg. mostly

low segetum, rushes, sedges, saliciges & small sedge tuft.

Flows out into main pond.

algae
VI. Grassy Pk.
Eupatorium 'paleum' - NE cor.
* Selinia retic. - * seen N Show

Lots of H2O in pond - we only did NE side.

* Drosera filif. - 700 ft. N of pond

W. Parnassia mont. - Solidago tenuif.

Vaccinium corymb.

V. stans - Gastrodia draconis.

No Psilocarya found today -- H2O levels too high.

Blug - several young tops extended along S side of Blug - NE cor.

Amelanchier litor. - N side of New Grassy Pk. - several bushes

LVS narrow than A. sent.

VII. New Grassy Pk.

* Selinia - emergent from H2O and on pond - lots of.

Pond level up 6" + from 1975.

Ceratium - several on N point.

Exipendium - base of " " - branched.
17 Sept
W/ GTH, LAWREN HEINR.

N side of Cliff Rd., Brewer.

Panicum commutans. — 3 clumps each
up to 25 stems each, in a depression
left by where a small outbuilding or
some such had stood, SW of the North
Furnace Camp, on S slope of the hill.

Several other small clumps scattered
westward to amid outcrops, all in
spotted areas & edges of paths, etc.
Obviously out-competed by P. Hucklebery.

Fall periods only
Col.

Sedgewick bicolor — rays purplish yellow.
Upper stem of short, crooked, fleshy stems
moderately dense, becoming smooth towards top,
but no one would describe the stem
as a whole as smooth or glabrous.

Matched by some of the surrounding S.
bicolor. Bracts broad, blunt, like those
d of S. erecta specimens, and like those
d of S. bicolor nearby. Is this just a
yellow-flowered bicolor? or is it a
hybrid? Leaves = bicolor = erecta,
glabrous on both surfaces except midrib.
Margins. Ie those bicolor are unusu-
ally smooth.

I plant only in midst of bicolor.
Near bottom of banks, N side of Cliff Rd.
just E of the Furnace Camp’s beach.
BLK w/CH ORK, Sassafras, Bayberry.

1. S. caerulea here too, other spot unlisted.

I did not collect this plant; see ahead.
Stachys hypop - 100 FF, open slope of hill & out onto sand, at the Youth Camp beach.

Other sold along hse. near H2o, to W, and E. Set in W. ward, and w. on land on cobble & sand near N. Wharf.

Late E. hse.

Polygonum 'puritanum' - sand of N. beach very near H2o, just E. of Camp hse.

W. Bedstraw, Deschampsia sp., Stachys, Agrostis, Glyceria, etc.

In cumbines, Cyperus dent., Gramineae, L. et corn. land, own most of N. beach and N. Wharf.

Col. van subalp. foliaceae emergent from H2o.

Campsis - set in on E. slope of the sugarleaf hill.

Helianthus rad. - lots, E. hse.

Stachys

II. Little Cliff Pk.

Calamagrostis Canad., - lots, dry upper hse, W. shore of Little Cliff Pk.

Poly. pint. - W. shore.

Col. Mast of 1.

Eleocharis melanos - 100+ clumps.

(few more - 20+) W. shore, near N. Wharf, near west part of E. shf. Culms very Tunicate-like in appearance.

Col.

Cyperus polytechtes - noted on W. shore and 20 in.

The boat ramp.

Cyp. melanos,

40 clumps on N. shore.

W. Cocospa, Sabatia K., Cyperus dent., Drosera sp., Solidago, etc.

Just W. of point E. of boat ramp.
Agalinis 'pimp' - N shore
A. 'proper' - N

Burgo - several young trees estab
along S side of Church @ NE
240.

II Higgins Pt. + Eel Pt.

Solidago bicolor - 2 plants w/in a
group of 5 bicol. - - Apparently
just a yellow-rayed form. A bit darker
yellow than one near cliff Pt., otherwise
similar. Quit happy to bear.
Col. 7 at entrance to N
shore of pt.

* Salvia K.
N shore - Lots shorter plus 50+ FR
S - several .
Eel Pt. - toda - all shore except N Col.
Is a 10' sandy gravelly beach on E side.
W Cove - toda, mostly FR.
Higgins

A Stackys hya. - N shore looks total. E shore
do. W Shore do.

A Cuphea poly - N shore - Col. with
Col. Aloe on S shore
Several noted on N shore of Eel Pt.

Lycoceus amplifol - N show
Acantholobelia fasc. - glaucous stem
50+ 50 stelha most FR and purple
brown tinged. Col. part of 2 plants

Depression to E of Hig. Pt. -
short reed w/ Decodon, Cassandra, Potamogeton, Vaccinium
swamp Salica, Clitrus.
Col. 7 several bases of Decodon w/
moth larvae holes.

Chinaphe umbel - steep bank E shore
Dechampia -

Prenanthes tri.

No sign of Hydrocotyle in Eel Pt.
that I saw in '75 (09-07-75)
H2O now down about 8'-1' from
then
IV  Keeler Pd.

** Rhynia marina — N Shore

@ point where now is a bend of Tunicas separating sections of pond. 125+ plants, mostly VG (90% to Pt).


Also another patch in shade a short dist E of point. Wider Liv. more VG or bld (Reo Pt) Cal 60+ E of point w/ hyg. pine.

K. E. melanocarpa — Loads & on much of N shore, forming a wavy turf. Many clumps emergent from H2O. Unusually rich habitat in my experience of the sp., and only a few 70 of culm produced spikes.

Col.

** Tunicas biflora — 50+ plants on N Shore. 2 are mostly:

just E of point #1. 80% plants &

near Rhynia 60+ E of pine pt. (40%, Col)

pond is choked around margin w/

Tunica Canad., T. effusus, and a few

T. dichotoma, as well as Cypripedium
duct., Agrostis stlub., Lepiota
Cavx sp. (Reo Pt)

Lycopodium unifl. & simplici

Myriophyllum humile — loads in H2O.

H2O is nearly hene deep @ the Tunicas 'bridge'

No R. marina nor Tunicas ki mar

E. mel. on S Shore.

Pondlet E of rd, Ed. Flex Pd —

Decodon

** R. marina — 250 + 100 M.E

of pine point and on to E core, all on N Shore. VG to FL

Col. 3
Grassy Noise Rd.

H2O lower than in Jul but not low enough for Bitoreya.

leaves Rhyn. Capitell
leaves " means " funereal death (hevi:?)

Spartina pect. - Phragmites
Ass the nov. - Ang. - " purple pink
" laterifl " pun Yard
Polygonella - M. 1200

Aster nov. - Ang. - Towards purple
Helianthus tuber -

Phragmites, Aenida, Comon, Typha ang.,
Spartina pect., Solidago semper. rug.,
Aster nov. - Ang. ~ Comon. amone, Smooth Sun
Lythrum sal., Eup. dulcium, BejBlusa Typa
all @ 138 X Segregament R. Digiton

Aster pilosum - (to @ North of
Somerset Reservoir, Som. also D
Required - 10

Polygonoium punctatum - (to in E.T.W.
BR N. end of reservoir, also up in D
Aptos coast on island

Red Osier - clump @ North St. X Elm St.
Som.
Polygnum scandens — w/e lge fte. — same fte but in Digt.
P. persic. — D. roadside

I. laborio — Vern Brook, Diginton, Somerset
Aster latifol. — D + S
A. divar. — D
A. panic. — S, creek bed
A. sitan. — S.

Tall wood-need grass, Cenaga — in creek bed, D.

∗∗∗ E. canadensis — rocky wds on N side of rde, just W of road.
Col. Frequent thru wds m. 6K. D + S
W. smithiana rac., var. alatae. A. divar., P. I., under canopy of speckleash, R.

Botrhium dia. var. obliquum — same place

Hop, barbery

Chelone

Citium sup. — frequent

∗∗∗ Aster — m. one, D + S.

Several patches.

Lady F., N.Y., Sen. - Conn., Royal D + S

Naras. 5, Polyphy. — S. Hay scent — D

Spinulose — D

Tepec — several lge trees 1 ft. 2’ DBH

Carya ovata. — D. Leaves larger than glabra

Witchhres

Norway Spruce — some estab’l’d in wds. D

Ficus + epificus — D + S

Impatiens cap. — FL. D

Cardinal Flower — some still FL, creek bed.

Rutina occ. — D.
R. Oak, Hop Hemlock, BLK Birch, Hamamelis. 30-50 yrs old wide

Ficinoela

Conglum boulders along crib.

Lucetia - along crib. D+5
Chalcene - creek bed. S
Ludwizia pel. - " " "
Myosotis - spap - " " S+D
Smilax helix. - S + roti. S+D
Maple Vle slopes. S+D
Hanan - latifol. - conglom slope S of

Buckeye gram. - same slope
Pramantina trifol. - Same. Very nearby.

Hieracium panic. - same slope
Dogwood - S
Arn chenix - S

Knoll S of creeks in S is + open, capped w/ conglom, covered w/ lochin, roses, southern acer, R. cedar, smilax roti, Carya glabra-ovata, BLK Oak

Cancer cumminw - growing along steep rock face.

Hydrocotyle am - wet path. S

Conophotica - Several clumps.

Dry with rocky shallow slope interrupted
W/ conglom. boulders & undulations,
D+5. NE side of creak L.I.V. Brook.
W/ Maple Vle, Caulatana, Mistatera,
Dogwood, BLK Birch, R. Oak, Osteo, Carya,
Some BLK Locust.

Underslop hie, as in same other
areas nearby, appear grown on
stream.

Col.

Sugar Maple - Several tree, same slope, D

Chytrichium - D
Phacemacra pal. - in creek & joint
backwater S
Dangle bany - D+5
Pyroka 10R.. - S
Loebelia infl. - S
Senecio camene - D

Vanemos - few plants FF bet. North
ST. and LIV. creek. S+

Several more @ creek.
Sitinia falken - D.

Reals ledge is all concrete. I didn't check it out.

Richmond Hill - Do.

II. Three River River @ mile 138.

Taunton + Bighton

Zizania - both leaves, mostly D.

Acnida.

Sagittaria nivosa? - all stilt, D.

Elodea mutt? - leaves of cold creek, D.

Arundo donax. - leaves tangle in lay flat. See ec p.

Abundant uprooted down.

Bidentes natinus - 15 E 8 D.

Col. part of 2 plants.

Callitriche - same narrow le. sp. as @ Newbury/Rawley = nitrophylla.

Also a broad-leaved sp. x 5 sp.\n
Cardamine parryi. - same as @ Hill R. Rawley. Common up + in D. Col.

Bidentes sp. - prob. 'comosa'.

Bidentes tripartita? - 3-5 leaves - 1 big plant, hanging on from upper part of bank. Tres fluviales, us w/ 2 prongs, and leaf, more downward towards. Body of fl. wider.

Leaves at base of inflorescence more in ft. and obviously coarse - culitic.

Juncus sporinae - Col. 1 D.

Chloris - several on T side.

***Bidentes natinus - 10 on T side near E.

Col. part of 1 from colony E 138.

Downstream is 200 ft., way on T side. I didn't search E of RR. Col.

Also in here is X multiflora - Col.

***Geum laciniatum - Col. from snow dry side creek, T. 2 plants seen. Several others @ place where 40 pines enters.

Also a few seen on D bank.

Callitriche - T + D

Alisma p-a var. parryi. - Col. part of 1 adult.

This is the "Sag. crispus" of last year. Frequent, mostly in D.
Porechena is also numerous, esp. upriver.

Polygonum hydropiper—abundant

Cornus amomum—abundant border

Grass—at from T side Ed

135. Sagittaria

W1 Zizania, Bidens rot., Ammìa

Polygonum hyd.

The Creek continues downstream on banks. Some are yet inundated
by hi tides.

Big, open mud Flat W1. C conveying

and Bidens, Cattails, Lindens.

& Cattails upstream. No Bedens

Vierovum Cattails—O side of flat.

growing w1 recognition

No Sag. Subulate but half good.

" lophocampus"
9-22

I chat w/ Doug Cross, Warden @ Bat's Cottle

At Lobelia Sept. - See it is common
① along Hows R. on cobble prop,
② along Westogue Rd. S of prop

File cards: mostly done by Anthony Button

Gentiana crinita - Lobelia ski run --
W of Westogue Rd. shorty N of CT
1987 A. Button

G. quing. - Some still run,
"near the large maple tree on the east side" 1887 AB

G. Andrewsii - forms allen & the benton
① spruce prop, along account, running to
② a field bordering the river.

Station II of Ledges Trail 1981 AB
See 9-23

Asim patton - Station II of Ledges Trail.
II. Bata Cobble

1. 10+ plants on base of Swing BK Hill Berland Trail (SW of Ashley House). IFL FR FL

2. A few hundred acres to Dog Creek (Most gone by now) in wet pasture at bottom of and on slopes of Cooper Hill Rd. Same place as our Scirpus pendulus site. Col. 1 FL, 1 FR. We saw 100

w/ Selaginella sp., O. perennis (Sess FR), A. farinosa, A. rosea, A. poliantha (smooth var.), A. venosa, Scirpus ochroleucus, S. lateriflorus, L. kelodes (some w/ FL side), B. minus, p.

Also seen. on West Fence Trail in UDA. White clover have grazed. Rain - wet.

3. 50+ FF So. along Westgate Rd. W/ Phymo, etc. A. cordifolia

4. Contains - common in open and up slope. 200+ FF w/ Alnus flava, Q. cerulea, P. racemosa, Aster spp., Solidago spp., Plantago fugel, many weeds. Col. 1 FF

Scirpus pendulus - 30+ stems tilted, mostly up near top of hill. Col. 1. Same plants. We couldn't find Gentiana quinquefolia

Uvularia perfoliata


Tulip tree @ head of T.T. Trail = 94.4" coll = 112."

B. Black Maple - A. B. Brittel say it grows on this same hill.

A. Camptosorus - on boulder on set
of Boulder Trail x Tulip Tree Tr.
W of Westogue Rd. (same slope
we've been on), 200 feet.

Uvularia — 35 more plants planting
Tulip Tree Tr, only 40' from Westogue
Rd.
Plants are glabrous or finely short
hairy below. Only capsule seen
was open but obvious of 2-pointed
Cobble, unlike grandiflora.
However, some plants e.g. robust
like grandiflora!

**PELLBELL** — 26 plants on W
feathering face of weathered/smooth rock
ledge. In crevices & light shade,
sunny at mid day. Being encroached
on by branch of Black Maple
coli.
W/ Woodia cistacea, Asplenium platy.
Lote Pinkeye Ash below.
Lge Quercus mohlenbergii above.

** Pellbella — 65+ on North Ridge**
(just SW of Naturaliste bldg.)

**A. macrocarpa — 1 plant on
lower E slope of N. Cobble —
has been cut and now is only
several sprout shoots 10' V

**Ribes americanum — frequent in
hedgerow off. ledge trail (W side of
Westogue Rd., S end of Comstock
colo.)

Anemone Virginia — frequent in
A. clypeata — I seen.
Q. muhlenbergii

25+ trees of varying ages - seedling to 1' diameter, on top of ledge as well as below.
W1 R. cedar, Wh. Ash, Prickly Ash, the Maple, Tsuga, Wh. Pine, Pine

3. Yellow, Rhamnus cathartica

Col. from 2 trees. Also bark.
SW to W - facing slopes, S part of quarry.

Rain in AM - checked Walcott Whipple specimens @ Ashley House, ITOR

Gentiana andrewsii - 20 plants towards river, on bank, from stop 11 on Ledges Trail, Barte Collee.
Ye plants are white-flowered.
1 col. 1 fl of ex. color, plus 1 leaf.

Trichomanes sp.

Col. from side + 100 ft of small 'cave' on Ledges Trail, Barte Collee.
Sent to Dr. Donald Runnion for ID;
he will keep specimen @ Iowa State U. herbarium.
II  Open ledge along Bow-wow Rd.
   NW Sheffield -- owned by
   Mockowski of S. E. P.
   Looks good -- see below.

III  Open ledge behind farm, opp. Ross.
     Loma Euphorbia csp.
     " Centanaria macro
     " Asplenium platyneuron
     " Prickly Ash
     Loma Anemone scop.
     P. Solitary camas.
     " S. rugosa
     1 large patch S. Spectabilis. Pix, col.
     P. Conies racemosa
     R. Cedar
     Potentilla fruit. - open top of ledge,
     NW part
     Saffron vyg
     Loma maritima - few

II  Quick look at the ledge. North, open part.
    20 to III.
     Anemone clype - patch of 15 plants
     Woodland Clothing - few inuvicu.

Saturja vulg. - lots
Anemone vulg. - 50.

IV  Slopes & ledge near old quarry
    N of limekiln Rd. and end of West Rd.

A. Q. michenbergii -- common
    over much of hill; especially on S
    slope above road, around old quarry pits,
    etc. Must be 200+ trees of all
    ages; plenty of seedlings + saplings.
    Col. from S SE slope above old
    Limekiln
    Astra Lewis - footpath
    Small quarry pond along old road
    Nada Tennis court and small modern
    " near
    A. Old Quarry & end of Rd. - floor in 
    dry yd. 1 patch of Typha angustifolia
    Pot. - fruit. - abundant, dry or wet
    Anemone vulg. - freq.
    Selaginella apoda - open story soil near
    Typha
Veronica simplex - 60 pl. FR
Up on SW and W-facing walls of
Query, NE side of main floor.
N/ Verbracum thapsus, Hypericum perforatum, Heuchera canadensis,
Rhus typhina, Hedera helix - stony, sun
5 more on E side in a secondary section
elevated above main query floor.
@ N end of same query floor in
narrower section w/ mossy walls + wet
floor.
* Equisetum - 200+ shoots Col.
* Scirpus pendulus - noted / Weeds -
FR
Pteridium aquilinum - 1 noted
Seneio aquaticus
Aster paniculatus
Discula fragilis

Tunnel @ N end goes 100' thru
rock to 2 chambers w/ open-to-
sky tops. Diaphytes - good for
livewarks, mosses, perhaps
Trichomopsis but I saw none.

Went out N end, short step slope past
before tunnel.

Hepatica am. - need / slope inside
Conevus - nigera

B. Small query to NW of A.

Quercus rubra - several
* Buxus sempervirens - moist place w/ tree-
The page contains handwritten notes in English. Here is a transcription:

- *Betula sp.* - 11 FL or buds, edges of pools & S end of small quarry. Col. 1.


- Some maple tree are yellowish. Below - densely fuzzy, common in all quarries + gain wds.


- Chelone glabra - uncommon.
At Pelham - 2 small plants in
1st curve on W side of summit of 850' quarry hill.
W/A. trichomes, Rubbit F, Compto-
sona & Rumex
700 shady: Rape-seed, birch, huckle

Triodia/tridens flava - planted 30
culms on Edgartown Rd 4?, T?
5' tall, w/ purplish inflorescence
Col. West Tisbury

Muhlenbergia temulent - grass - several small
patches (30+ stems) on SE side
of summit of 850' hill.

long johny inflorescence w/ appressed
spikelets, ear w/ awn,
shallow saddle sort, silete
Abundant on rocky brown slope
5 of these, w/ Hystrix

Helianthus divar - roadside, chappy.

O. muhlein bergii - common on
same slope just above old quarry

Stephania
d - same slope but w/ dr
quarry, lotus.
I. Wasque

Aster linariifolius - 20-30 stems, 2-3 ft., FL, FF

Listia barbata - common, FF, FR

Polygala speciosa - "FL

Aster spectabilis - "FL, FF, Few FL

Gorse - 2 plants, each 1 ft.; 20-30 stems in a clump

20-30 shoots @ edge of yard of house, W side of Wasque Rd.

FL. Col. picture. Pix.

H. dumosus - several nearby

No evidence of becoming established.

Sedum pubescens - common

1 plant of 6 stems, has whitish rays! - Col. 1 shot plus one normal plant.

S. odorata - common

S. tinifolia - common, esp. in some what moisture trails edges and uppermost branches of S.-M's and cacti

Aster pond.

A. dumosus - 15 FR in open pond just S of main rd. to Wasque P.

Fl. Mowed in 82

10 more shorty SW towards Beach

Parking lot. Mowed in 82. Several cutters cut around.

*Amel. canescens - 30' shoots in loose patch along dirt rd. S of Wasque Rd. along SE side of Washaque Hill.

*Asclepias tuberosa - 180' in field on S and SW side Washaque Hill

W/ A. simplex, A. syr.

Pondlet SW of Washaque Hill - south.

Nearly dry.

*Quercus stellata - 15m tree and 1 shrub along dirt rd. to the pondlet.

Glycyrrhiza obtusa - clump of 10 stems in swampy creek along E road to North Neck.
No A. canadensis on Chappy!

II. Katama Plains
Quick trip. No A. canadensis seen w/ binoc. from roads surrounding.

A. Amelanchier - 1 petal 5 x 10
along Atlantic Ave. S side, all
by itself.
A. othona patch on Katama Road Shady
S of pet. w/ Heavenly Creek Rd.,
E side of Rd.

2 Oct.

[signature]

1. Unnamed pondlet S of Elder
Ponds (= 'Rynchospora Pond')

Panicum virgatum - Grade
P. spicatum - Grade

Cedrus

Rynchospora minor - Grade!
Certainty ±!!

Col, Pix 500

Panicum virgatum - lots around
sandy slide @ S end.

Eleocharis tuberosa - Grade total.

Lycopodium minor, var robustum
1 by path on E shore. Or just
its largest, less-opposed Approach?
& Salix K - doing fine. LFL

Water level is down, w/ only a
few inches of H2O in middle
I. Xerisite diff. common W shore, even a few FL.

X. cong. - 10, mostly out in mud.

Myrica gale - lots along the beach - leaf fringe.

* H. propinquum - patch of 50 along old sand road W of the pond. W/ Canebrake.

II. Big West.

Quick look 2 5 shares.

** U. fluora - 2 FL on pretty muddy shore of SE most cove
1 more sun on SW shore, not far from U. commutata.

IV. Bog/ponds to NE of Long Pd.

E. one is wet + boggy-muddy, w/ loads of Rynchospora capitellata, some broaden.

** Xerisite cong. small - lots + mostly basal live, but many w' heads. 10V.

Col. Red to Ws is good chew?

Blechnum tabulare - lots total.

Wore to a dry Solidago ternifolia meadow w/ loads. w' Panicum wrightianum - col. pix.
**Pond for SE side of Log Rd.**

* Parnassia verna - lots total.
* S. wrightii - on E + N shores where slightly elevated.

**Spitum - Lots.**

**Cledgeum - Lots.**

Rhynchospermum capitatum - Lots. Also R. macrophyllum.

Polygala coccinea - E. shore.

Eriophorum - Some noted.

Dry, grassy, sedgy meadow aspect. No H2O.

Surrounding forest - dull State blueberry zone with spruce, R. pine.

22 bullet whizzes overhead - from gravel pit nearby. We departed.

Hypericum majus - cd. from bog/pond NE of Log Rd. (E were)

**Halls Brook bog, K'ton.**

Soleirolia rugosa var. olympographica.

2 plants in open area near reedbed.

Looks like shape of uliginosa but rough hairy, narrow stem, leaves like narrow rugosa. Tapers evenly & gracefully to narrow upper which is sl. arched.

Calixum palustre - under shrub complex, etc.

Ilex verticillata + Vert.

Asarum canadense - drug.

Epilobium - Cassia Col.

Polygonum nudicaule - col.

Bedew - col.

Caulis rotundata - side E. Cass.
Lycopodium - Vesicularius.

No thistle tuberous root. Col.

Rosa palustris.
Eriophorum v. - Some stem, FL!

Vacina oxy - lots of both sp.,

oxy - ed. by Cowen

Carex Atrovirens - fled Cowen! Ton

Kathrin C. close, narrow leaves,

w/ impressed mid-rib above. - plant.

w/ center of open shrubs. Log S of

find.

Peltandra - small clumps in open sedge

Glyceria obtusa

Bartramia paucis. - Several along old

logging rd. & other island

Polygnotum - canes - several @ ed.

edge on island

10-06

I. Pondito NW of Fresh Pd., Camb.

Rhododendrons - few bushes est. in

woods just S of City Infirmary, FR

Tropa - pix @ Clay Pd.

Boggy pondlet w/ willows - Cota Cypress

engelm.

120' level higher than 81. - cant get

around in middle section.

No Echinodorus

II. Prospect Hill, Waltham

A town park. enter via Totten Pd. Rd.

Can drive up to So. Summit

Aureolea pedata - S side of true summit

by rocky soil w/ Rb. oak, P. pine, serice

toment.

Astrotaph. - patch by trail S of summit
So. Summit - open ledge rock w/ Artemisia, Andropogon scoparius, Aristida dactylis, grass.
Good dry rock ledge habitat.

Hellen thyme dwarf - Lecada, &

Potentilla arguta - 250+ SE-SW knob.
Cap along outer cap of picnic table.
W/ Penstemon sp., H. divaricatus, Solidago, Andropogon, Stachys byzantina, sedinaria.
Aster petiolaris.

Coastal thyme - just downslope, dames noose.
Pygmy thyme - incised - "c" "c" "c"
Thelyrium - "c" "c" "c"

Hedeoma pulchra - "c" W/ Eryngium, Dept.
Anemenon vine - few w/ Potentilla.

Coryza rugosa - Viciae talus on E side of S summit W/ Desmodium glutrum.
Trash. Lots total on talus below Potentilla and solid N-wards.

W/ Fire tower

Eupatorium sessilis - just below Potentilla.
W/ Ceanothus, Desmodium glutrum, Solidago, Pine, Coryza rugosa. 20 plants.

Woodside shrub - just below picnic table - "c"
Lectea tenera - lots about tops of ledge.

Triosteum - talus below picnic table. W/ Helianthus winged 4-7", 3/8" acrid side.
Not profusely.

Agrimonia, sanicula - lower talus W/ Ammophila.
Desmodium glutrum - loads on talus and also steep slopes N-ward.

D Alternanthera - I see, OK.
By a trail, bottom of talus.

Eup. sessilis - 20 more robust plants on ledge.
W/ radio tower N or NE of WT.

Woodland shrub - patch near NE corner.
NE of top of cliff. SW of Getamento.
W/ few Pot. arguta; Coryza.

Nice rocky area below here - Elk Pine, Asters, some Sug., Maple, Wh. Birch, Carya spp.
10-10


ten the Cape w/ E, WRP, EP

Picked up a twig + leaves of Diospyros from the east side, N. Wellfleet. No sign of fruit in 10 min. search.

I Exciting Point, Gloucester

Ellipticus, vine - sits in boulder rubble E of light house

Apropriate psp - in S. w/ bolder

No Ellipticus molle

" Ramps psp.

1 RUBB 8 x 1 mm

Angelica Laccata - patch of 30 FR, tall, E end of beach, edge of thick near house.

II. Brisco Cove

+++ Ellipticus molle - 70+ small clumps (= plants?), clumps tend to form patches up to 6 x 8', on sand beach w/ Amsophila, Lathyrus nsp., Salvia K., Rosa rug., Cassie sp., Cakile, Colepix

Most plants on edge of, or just above, ordinary summer hi-tide, certain semi-shaded in areas + many water-tide
NOT up in dune - dune habitat
Beaches sparsely in place + move
so thin, too poor not work

4 W.Rump. Sandpipers

Kelp seaweed + wreck 2 summer

< Nearly all molluscs are on

IV. Wingaersheek Beach - Town beach

Y F < Elkhorn molluscs - on ocean side
of the very low Aminophila - Solidago semp
Asters w/ dune

W1 Chenopodium sp. Brossia sp.
Atriplex pung. Solidago semp. Aminophila
\( \text{Salsola K., Xanthium, Atriplex burt.} \)

There is an upper wreck line which from
the breakers, the low field - like dune
and the w/ sand beach + flat
molluscs right on the edge
Col.

SE part of the W. Beach

Only 15 plants, 5 % study FR

No more seen around point, S Side

S Solsheda Apogynam, the

5. Side is Spartina patina - salt marsh
a little room for a flat -- in 195
Solsheda except taller linaria up against
AMBI - fluctuated from 5-7m.

Pinus mugo - in the Intermontane valleys.

** Sucedia richii - 100+ plants @ tip
WITH S. maritima @ W Rich's
and out in saltmarsh.) and S. lin- canum (always up a swampy line here.

Other spp of Sucedia have been foot-killed! New brown shoots!!

** Sucedia richii? - Col. from SE 8-7
S-M, E of low bluffs, etc.
= americana. See also 8-24-82

MerLin 2

West Intermontane forests of Pitch Pine -
Gray Birch w/ some BLK Cherry

Skytop of Bayberry, foxberry, bearberry
Te. quercus, Carex pens. - Parrus
Larix ovata, Picea, Polygonaella
Open, EZ walking
E of Wapum Hill
10-16

W Sib H.

I. Red Rocks area behind Grossman's.


Breckeliunnum - taken below the Fragile Farm

Brennicaemum dissectum - 2

1 plant @ edge of wet place, base of the big southern cliff.

Am. Eleo - based


3½' tall

* Gentiana crinita 40 + FF-

moosy = sphagnum = gravelly spot

Just NE of the tiny cut trail nearby

Col. 1 shrub - many are small; hot now darkens

W Cassia fascic. (FF + few FF hanger) +

A. Sugurus, Clematis am., Bayberry,
Potentiola canad. + airplane, Phaeum sp.,

Juncus marginatus - ac.

10 more up in the sphagnum sop

W Aster pilosus
**Stellaria alpina** - few on light green sphagnum up creek towards spring.

**Definitio** 
Several, same place

---

Crumba racemosa - edge of water at base of low ledge

Sheephead Fitchey

**Soldago Celina** - s.s. sphagnum

Swamp v. Vaccinium, Ily wet 
Rheto visc. Cinn. Fern, R. Hayl., 
Carpenea, Viciaea angua, NY Fern, 
Kelma. etc.

Smiley field

**Aster latifol.**

**Senecio inula**

Broccoli spencerosa + intro fide 5.4
Conadella - small large plants 12
on outcrop or in gas pipeline

**Astr  patina** - same

1. *Lechca pulchella* - **Col.** 25+
   Tall, nearly 2 to 8 vellosa

   **Lilium phil.** - **few**
   **Carex stellari** - **5**

   **Squaw lat.** Solid growing
   **Ad  rix.**

   **Lechca tremula** - same, V. lata, may part
   short at 4250+, mostly NW slope
   **Col.**

   **Lepeolona intern.** - **5**
Dianella - patch of 200+ stems, same smell like oatcrop in pipeline.
NW slope.
Col.

Lysimachia ciliata - 20+ in outline
swale in line.

Aster umbellatus - swale.

3. Lechea villosa - same bushy, NW slope 50+ Col.

4. Lechea marit - 50+ bu, 1/3
Intermediate in height and toothed and pelted.

Desmodium glut - small colony
of 10 plants, base of rocky slope
in big Maple, Dogwood, R Oak.
Wh. Pine - R. Maple w/ w/ w/ w/
Hazel, Maple Vib, Goosefoot spp.
Geogena pub (patches of 100 cos.), Cyp.
acaulic

Mary, F., X. Max F., Coni F., Farnst F.
2 lady F., Leo Bigelow, Sara F., Farnst F.

Rocky wickled to w/ Chamaeleum
Tillhead, Cardinal F., Lencholes.

Carex laetiflora type - lots
ought to have Hepatica on slopes bordering.

Aster microphyllus - upstream (no defined creek), swamy into w/ Seminola marsh. Not many.
Col.

Panicum latif - further N, in the
rough and on sloping ridge w/ Asplenium platy, lots solid cases.

Corchedi - same ledge

Carex - same ledge

Lots Dogwood thru here -

Kelped cale

Panicum dichotomum - the narrow-bladed
branch-leaved one - frequent
Similar gleame - dry, acid area of oak, B.K. Huddle.

Conybeere - lots on open NE slope of outcrop - Knoll 263' (written in)

U. Rumex acetosella, licorice

area around pondlet is open, cut, lightly cultivated on N side.

Nice open top to Eastern 263' decid., licorice, mass., grasses.

Why so Seafoam?

*= Labeled inflexa - 40' along woodland path SW of the 8武装

2 shows on tape

col. 1

Solid. Ulginosa - lots in swamps w/ royal fern, along same path. Smooth stone and leaves, the latter longer than rugosa var. sphyg.

* Acorus calamus - patch atop outcrop

at edge of gas pipeline where the trail crosses E side of lane.

*** Aster x bipinnatus - colony of 100+

FF shoots, mostly all associated w/ basal leaves in separate tufts. Basal leaves w/ of

varying width & sizes, not truly ciliate.

most of stems have mostly stalked, w/ merged short clathes, or elongate stalks on lower leaf.

uppermost w/ scale. Inflor. glumules w/ very short, some capitula here. Inflor. bracts appear

as spathe. Most plants FR. Some w/ some rays entirely these white or paler blue. 3 plant

on edge of colony w/ blue-blue rays, another w/ same color appear 90% true mean. Plants 23,

or some 1' plus. in dry, regenerating, cutting

W of the pondlet
Potential PCWT Land
Eqov. 26, NE corner of Rochester

Achileopogon gram - moist edge of clearing, C. Bob's Sign shop
also in pasture

R Maple - Wh. pine swamp
largest tree 1-1.5' dbh.

Lodch, Feme, Spindr F, Royal, Ciss, Marsh, Ovted Che, Sen., Braken
Smile, met, Amapa, Riser, Vic. an., Danglberry, Va. rear.

Rubus caesp
Sphagnum
Viburnum casin
Mitchellia
Ilex vert - edge plant line
Sphagnum am - left edge line
Ser. latif - "
Calamagrostics can - left end
Erythrina big - lot "
Va. chain fern

Ilex glabra - "line
Duckhulm - "
Came sp - "
Spinaca tom - "
Sallago tinf - "
Hyporhyn mag - "
Cyperus caesp - "
Solid. ragus varsp - "line

Ilex bawya - swamp near line
near & in line - Frutigwell
In 2x vertical in length, long-ellipt shape

Quercus casin - moist (1) 50 to S
& in line, w/ Wh pine
Other vines azalea

Cyp. acutula
Gaylussac. bacc + frond
Umbrina sessa
Q. alba
Va. Arabia mud

Y. Birch - from several
Pitch Pine - 1 tall one near 28

Tupelo - four "
Am. Elm - "
Sassafras - "
19 Oct

1. Pam Weithaker

I. M. Greulich

** Vaccinium vitis-idaea
25+ shoots, none large
nor vigorous, in midst of a
3' x 3' Labrador Tea, right
next to the road

** Amelanchier can. = nice bush on
NW side of Summit, edge of
park lot. Right next to 2
handicap parking signs. Where is
ramp going to be put? plant in
10' to 15' of signs now, on S
side of lot.

** Lycopodium lucidum = several plants on
scattered up stumpy slope to
summit

deep in Y. Birch, Balsam, Hellebo-
쥬

bush, Solid. meaphyllum, Rubus occ.

** Luzula parv. = nice patch of 25+ small
rosettes plus 4+ PK Stalks, basally
7' 90° to SE, parking lot N side of

** Polystichum bracken - 1 plant
We went through in the handwall
of former Horse from Robinson PT Trail.

Saw no P. b. until get to jet of
2 weeks. There we saw several
patches of Rubus leucoderm, and
down to P. b. site some 50 meters
downstream.
P. b.: 1 plant of 8 seeds at base of small rock outcrop, directly under a fallen Syc. maple. Apparently not evergreen -- 3
samples are partly or wholly browned and shriveled.
4 seeds have produced 1 of sprouts.
Forest is markedly different than that uphill -- (which was babam-birch-
Holmibush, Taxus, Moosewood).
Trees are: Y. Birch, Syc Maple, Wh. Birch,
Moosewood, hemlock, beech.

met much shrub layer at all -- mostly
seedlings + fallen stumps. Sambucus publ
+ Holmibush, Blue & Xmas F (one), Intemied. F (6). etc.

Conioselinium chinense
Pam gave me a part of a fruiting
plant found at the P. braunii
site in Sept.

Par also reports Cyp. reg. from Bread
Brocky, Winston, -- formerly there, been
not been checked by her recently.
Presumably 17A side?
She seq Bread Brock as best spring flow-
place around. Cyp. Colleolus there, too.

Cold creek comes in creek!

Searches around area + upstream
(all the way on the 5 fork) but no
20 Oct.

In South Pond, Savoy.

Carex - several spp on peaty - muddy - gravelly shores, part of pond. Including felicita, I. elata, etc. Carex lasiocarpa in our SA, SP, work. Knows C. Quakenad.

"b" best candidate for lenticularis grows thin on pure gravel or sandy soil. Overlying stone slabs, SE corner near the outlet.

50+ plants here and SW - wends to a cove.

Gravel beach to NW of outlet is too heavily trampled to support but a few plants.

Leda, Pix

FR leaves are brown, WI, most Achime - chopped.

W. Irvenia Caudiata, Dicranum (may in peaty spots), Leptemia dist, Glyceria sp., Scirpus sp., Eriophorum angustifolium, Hypnum cupressiforme, Ericodium, Tillubingia uniflora (mostly in peaty meadows) of Xeris.

Montana was found in peaty meadow NW of the Carex limit.

Manager: Dave Carlson. Very interested in our SA, SP work. Knows C. Quaker, took HEA's Aquatic course. Will put us up.

II North Pond, Florida

No Carex. Fnt. Hob. uneventful. Rocky or peaty little in water.

Gravel beaches by boat dock may be shallow, in any event too heavily trampled by fishermen.

III Falls Brook, Florida

Ledges or steep slope off mouth of Falls BK. are thinly wooded, steep, quite open, rounded not. Looks good!

Lower part of F.B. (from Shantly alone. Hunt BK down to mouth) a wild rocky gorge.

Occidental Bedrock, frequent xmas + Mary F.
No Polytrichum braunii, despite careful search up to 1500'. From here up (presumably) the ravine is much shallower, gently sloped, and warmer.

Grass - col from banks of Fishe at 1400' or so.
I saw some hi on lower hopper.
Robinson Pt. Trail - Outlook to.

Yesterday, airy influence & Agrostis.

Above Sussex - Bank of river next to 6' high boulders in river.
Saw long cobble bar in river.

Shrub FR
W1 A. hyperic, R. maple, S. maple,
R. oak, Spiraea lat., grasses,
Picea abies - canad.
Bark has blistered but dark, not pale.

1 more FR to W.-ward.

Several carex grow on cobble/gravel shore, including 1 which in the one to south pond. None seen FR.

10+ A. seen on Rowe side unless yet closer

5 more on Rowe side of river, @ Hoosac RR bridge +

FR abundance, 5 more upstream.
None on Florida shores.

5 more on Rowe side of the island
3 " Florida " " 3 "
Easy access to island via abundant
cobbles all around it.

**S. Alfred's Wind**
- 2 ft on bank, Florida side, shortly N of F Bridge

I. Cascade Brook
- Goes by Hoosac Tunnel.
- Alter in lower end, and has a dam at Twin cascades.
- I went as far as twin cascades (very steep).
- No P. brunii, and had not particularly good. Not as wild as Fife.

Patches upper slopes of Negro Notch are very rocky, quite open, windswept—look good! Large areas of bracken ferns, with stunted trees, open rock slabs, etc.
22 Oct

I checked 2 cemeteries in Plymouth
for Carema -- one near
police sta., other between apart-
ments and rte. 3, NE of bout Pl.
Nada.

II Small pond under powerline S of
Clam Pudding -- "Digital Pond"

Rhynchospora inundata -- 110
plants—FR, most of which have
dropped. All N of line, mostly
towards E shore.—W R. Moore, Timun
mil, J. Seccaspine,

Pond edge now badly damaged
by CRVs. Several tracks thru
muck, etc., so that very little
sandy spots show in left (3' or
less in many places) -- IC losing
good habitat for Paniceum, Selinia

23 Oct.

W/ Bob Clark

Selaenitella rep. -- 2 patches of
mosses & lichens atop 120° sw
summit of Camel's Hump
W/ Comandra quessa, Comix Sp.
Caryedale, BLK cherry semi-dense
one patch, 2 dead (from gypsys)
hichus nearby.

Federated Women's Clubs Forest --
2 thousand ft, Gentiana urticae
under powerline, plants of all ages;
W/ Moose 1 west, Lycopodium, 1 monk
Mbekla muff.

Gentiana Urctica -- lots of it
under powerline C E. Bruch
Fever Brook -- find Bob C.

Wooded S. -- top of Batsillake Mtn.
E side
Sorrels, wigs.
Hemlock
Asplenium plenty.
A. Bog to W Bourne - Hadley Pond, Templeton

Larch - lots
Kalmia ang.
...poly... lots w/ Col. 1mm.
Smyrnium trifol - lots new decoy
Eriophorum
2 Cranberries Col. oxy.
Leatherleaf
Wh. pine - clump, not too healthy
Ledum - loads, mild, var. ferox
Pitcher Plants
Ilex vert.
Rhodora... lots total
Carex (disp.)
Vaccinium Corymb.

loads of leatherleaf, but still plenty of open Sphagnum in some patches esp. N of the beeches, where it tends to over-dominate

Gaylussacia
Picea mariana - some low lots, mostly along E edge

B. 5 of the old road - loads of
Vaccinium macro.
loads Ledum sp.
Sphacela lat.
Eriophorum
Cota Lyssimachia tenerr.
Flush w/better than A.

C. Elliptical bog 5 of A+B --

Very nice! Like A but more open, the Leatherleaf smaller & a bit worse than A.
About same spp. composition
Bunch of Blk spheccrea oo-centre
Little open Sphagnum except around edges w/ loads Eriophorum

Wild Calla in narrow meat, at least 2 ft. end.
WH WD - Cottonwood Campground

Fairholm Campground  5-6
Forks Motel  374-6243

The Hill House - 105 E 2nd St

Weather  452-9235  Oly. N.P.

Vaccinium parvifolium
V. membranaceum
1. Norman Theyan
   Mr. Richard Witt

2. Paul Papasodora 548-8105
   Call him for best access

3. Matthew Souza - COND. officer
   He patrols area
   548-7611 4-5PM

Arlynn Cullen - O.B. Airport

No. Hans' Bat.