PLANT STUFF
XLVII
5 Oct 1989
To
27 May 1990

COLLEGE RULED

Theme Book

80 Sheets
7¾ in. x 5 in.
No. 12017
5 Oct

I met w/ Tyler Griffiths of Brewster re project on E side Thad Eola Rd.

Former cranberry bog, which had been reseeded to shrub pines, cedars. Cut over 1985 in winter, now open and looking like former cranberry bog.

There is a 15' "bank" or bank around the shaded edge, not pushed up by when tree cut & left. Site pegged.

Red plants are mostly at N, NW part wetted (what is now dry, but was saturated sandy-puffy soil). Several J. lifter also grow out NW side in 50' dry buffer zone (no bank at the particular part of the bog's edge).

50' bank is no veg. (polysteg) Aster V1/6 recog. 1 Red杉. Similar glauca.
A split rail fence which in part at outside margin of 50' buffer (marked in orange stakes)

A Tyler needs letter by 29 Oct

Owned by RCC Bldg Co. and T. Griffiths, Lot 9 T.E.Rd. Future owners will prob. be a condo Ass'n. Will be affordable housing.

My new plan will be moved to E farther from wetland.

I believe that buffer will work in thickly and the access will lie no problem as time goes on. T.G.

Said he wants to move some R.C.Den for access, I said put em along fence.

2 drainage culverts go into dry from T.E.Rd. but both for discharge first into a N-S ditch, certainly dug passaggo for hand ops. During heavy rain, the side to flood bag i.e. their willingness in town hiway dept to install oil/Hi separator or some filter?

The whole W side is totally meadowside, access V difficult.

Beyond S end is another bank or swales, will thin area to S at may also have been creek b.g but which now is about 2m, and not open anymore and which prob. don't get wet except by rainfall. Backs up to Rail Trail.
Col. 2 J. Keif - Culms. CCMNH

Ass. ov. = J. can., Carex buxii.
Scir. exp., Sphagnum tor., Lept. unif.,
Sph. tor., S. K., Hypt. unif., Viola
lane., Cal. can., Sphagnum, flex vert.

S of Rain Trail for another fence
cran bog, loaded w/ Van mar, Sphagnum
Com., Marsh F., shrub + ripper bordered.
W half in all trees, tall shrubs.
No racites.

Rheo man. - seen only upon
manner shrub @ NW cor. (N and W sides of the
cor.) and certainly will need some action.
Next mtg. over time as it likely will
become crowded by -99/57/93 water.
Also @ plants on the S-facing slope
up to the shrub.

Col. 2 FR. CCMNH

Also more up on the shrub to N (where
I primarily had seen J. Keif). This area
has a break in shrubbery, and ez access
to T.E. R. - let's let it go for now.
These if veg will close in gaps to rad.
If not, work w/ cor. Agent to sect.
fines.

* Must stress in letter to protect all 50
of buffer! Much Rheo there.
Powellite N of Bourne Rd. - Bourne
Leap - cut = B'dale Rd. @ Signal Hill
Chopped stumps - "line, edge of road

Andro, Virg, glom, spp.
Athin sp. - "code*
Sweet Pea - "
Arctida dichot. - "
Baptisia - "
5 lid. odna - " + grn, publ
Scutellaria - "

Linum Virg. - no spike, glandular, blunt capsule
along E-W gasoline may near jet of water
spur of powellite. Here. Several along
W spur (ch.) near in ply.

Dartmouth spic
Bup. hyps.
Lechee spp.
Arctos, calaminas
Lechee pulch., major, minor

Now in ply, road to Horse Rd. (Valley Rd)
Q. pred. lotas, plent.
Lichens
Frosted t. gray w/ buzzy appearance
Trem. Aspen = 2 trees
Nice pine banana but shifty
Green Snake - 1" long, in trench
dug years ago. In depression behind
old horse site a cherry tree spbly.
Bee
Verbena hast. - same
Coree stricta - "

* Buck moth - all flying, same area

Gay bee, Vac. vac. V. ang. Arcto, Calotha,
P pine
Shallow depressions filled w/ Chenaal, Kanga,
Aronia, Wl buckin, Lyenia, Syrpal
Pix of 1 W of Valley Rd
Horse Pk.  Plymouth
BLD - 3
Rubl. univ. - dom - up zone
dich. merid. - leads "n"
Hyper. cec. - "n " " mid.
Rhyn. cap - dom. mid zone
dulichium - " lower " by H2O
Jr. path. " " "
J. mid. - outside H2O, dom.
Solid. ten."
Smilax 10%. advent.
Drooping int.
Anemone.
Hyperic. - dom. W half
Parnum. venus - lake
Erica caulin.
Red Rh. alba
U. geminata

Sphagnum
Viola lance.
Cypresse dnt. - cap. W and whreads.
Shrub / Maple / pine fringe
H2O > 4' from meen high
Flat bottom, shallow
X. diff. - leads W past
Cyprees dnt,

Somehow a vehicle got in here - from trail over hill to s. Got stuck right

Lycopodium univ.
Nympheal - v. local
J. can. - dnt, W end
Broun. - v. local "
Elephant, ruf. - "
Rheud. v. - "

* Dish, weight - " loads on shelf to
Rh cap, violet. Some more (20') N delt
*Sphena ret. - do, rare
1. Vines should be C W and
 flop not cut too much for Rh.

2. Follow deer trails in - out.

3. Huds. eric. - rare in this area; seen
 only on roadside.

4. Anetidae longis. - # in small clearing
 on sharp bend.

5. Nechapsia - 2 towns.

6. Cal. epigaeus - 4 patches in field.

7. Site not good; half in Beth.

 Charlotte Furnace Rd.

9. filled w/ Typha

10. Carex comosa - plenty

11. Comus amnon - "" around edge;
 2 towns.

12. Prsly - pulchra

13. Renco con. - etc.,

14. Salix berb. - big one

15. Scut. dating.

16. No H2O

17. Powerline E of Charlotte Furnace Rd.

18. Wash.

19. Good hill.


22. Pityopsis - & Last FL

23. Artin live, ""

24. A. spart, ""
2 Herbaea
Polygemma
 Festuca
Baptisia
Gay, tin.
W. Pinkwoks
Tephroda
Campion
H: can., pro. /
I: pres. - will wind
Hyper sp.
Ver, vac.

Vicia pet.
corn, small hstr.
Cal, epigies - 1 patch. Cal.
300+ calms

FICR cells

Dry; no seasonally wet spots

Herbeva x maritna - col. 1 plant
freshly in bud. Another nearby, clan bud +
1 ft. Older th. w. common PP status.
Bedtime show wills some live hardy
at all or others. LVS at long hair.
10+ plant wide around X road
Col. Another in full feet at + heads - era.

< These pave to be fall-flowering
H. virgatum, some nominate, rest
ver. mud. However, good looked red veins
and about 1 head (in nominate) may indicate
some winter wi grower.
10-06

I. Saginus longii site, Dutil.

1. Calm FRV seen @ N end of pop.

1st sediment/peat core w/ Bell Patterson, Natalie Dufre, Mark Desmaa.

P. Setina, A. Buckley, M. Salzman, Diane

1st margins - cal. from the old scrape N of RR, W of Shingle River, etc.

1st - same place. Heads very rounded, 'bistly'

10-09

1st. 970' trap ridge w/ tower off Cherry St. Extension, Holy.

Butternut - Satsum. E slope
Oxyphae - race -... 80
Arch Rte. lake -... Still Fl
P.O. B. Birch, Ross et al., W. Ash

Sugar Maple, chestnut 0.

Mary 5

PI

Euc. rug.

Sugar 16

Red Oak

Red. Sebik & ledge

Made on vent. ledge - Apple.

Traffic

Woody raid on top

Burn reached W + SW parts summit
189 juin

Mtn Laurel, respirating
Dead & prime, Q Velvet, Tsuga,
Quabla
Erectilia - Leads
Cupressus scop - Leads, new serpent
- dried, + brown
Arabar rising - asia, W set, upper
step slopes + ledges
Bedrock, sunken in top
Bush, Vitis, etc. on top

Hendrickson, Frostine

* Red Pine - 2 chained but living
  1 small one closer dead - there
  at NE crev/ledge top,
  11 more continue to N w/ White, etc., etc.

Arabia Can - lots * on trap talus
  veg, slopes of bowl or ellipt basin
  NW of the 720° hell.

Bronze pulp - lots, do
  Solid, angust., can. loads
  Herb, Ries,
  Dried, mud, glut.

Next flat bottom to bowl, almost a
  Normal pool.

Anemone, Virg.
Attn. river banks
Salmon Creek
Mühl, Sobal.

First of area + slopes have burned

A Clematis; one - 1 plant FR at 5
  side talus of the NE end of bowl,
  just below small (3') rotten ledge
  and just above a hole where the group
  rooted
  W. seedling B. End, Rubia sp., Solid
  case, A. Sav., Aquilegia, Fall, 516.
  Pray, F.
On my field trip, Pt. Ed. is NW of the meadow trail, heading SW thru the bowl and just W of the triple pot.

V. likely others on bowl table.

Aspens platy — just above.

L. blank, few R. cedars shaded on midgetop just above.

As cedars, solid blank cayuse pts., all did well after fire.

Just N/E:

Large vert ledges + talus @ E face @ of lode @ 750' 7' higher.
I did not explore.

Wooden slips — top + ledge.

* Acrabos moss — 14' wetter on upper SW slope abrupt, small trap blank which forms part of the bowl, due W of 700' where 2

At 500' contours nearly meet:

Ch. 1 — No burn here but closely.

Under Ch. Tule, Acras globularis, B. tule. Reeds, Rhinotroph, B L.O. Red O.

S. ang., Aquilegia.

Small tough between here and the final, N/S ridge W1 by dropoff to W.

* 750' more on the SE end of the N/S ridge (only 100' away from 750' prep.)

Along W1 some P. scouleri stands (col).

On 2 vert ledges + talus?

Under deck a canopy.

Burned here.
Very S end N/S ridge drops off to couple lower steps. Where are + flat on top, open.

Chondropodium album - some
Bulbostylis - do.
L. Blue, Blueberies, ...

* Polygynum tomentosum - app 1/3 to 1/2 N/S ridge first N of the steps. Col 1 50+ mean 1.5 ft lower than summit by 10-20'

Distichlis spicata - from ridge.
W. scarp, W red pine, blueberries. This one specify FL.

* & Cypressush Ovata - 11 plants, each W 3-20+ colma FR or summit.
P. Shady N along N/S ridge and just below scarp on small stubble W R. pine. W side builds up. Soil is sandy.

Heavy & quite loose - Col, P. A. W. diurilla, R. Pate, P. B. Rich.

* 1 plant E of ridge, ridge back small.

Calma long & rangey - to 1.5'

and grow from lenticels hard texture surprisingly easy to pull out.

This first S of a deep crevasse in the W scarp, a big vertical ridge to N side.

Snake skin - ed from same plan as Cyp. hought.

Astrophytum - lots, ridge line summit at grassy smell. I've not type.

I was here a few years ago.

Whole smell burned.

Not a lot to see EC gosser.

Much of the same Agrostis as last week.

Just over the SE side of this small...
10-13

A. Buckley, R. Bachus

Scirpus olneyi — "Oyster Annex" or "Oyster Point South"
5 of Oyster Pond, Palm

Spart. pest. — Gator, including many w/ short arms — small glume,

* S. cynos. — none at Oyster Yd., nor at O.P. South
No marsh or swamp at O.P. — just narrow band of Phrag. but mostly bare & brushy right to 150
Not N end Salt Pd. either

Cyperus goodi.
Rubrea x reflexa — dom in hedge
like this @ floors club House,
and 1 Nonquest Rd. Col.
Bermuda red 1gal., but behind beds.
Big blue edge of same field
Calixium venus — same " lots
Aster erie — "
* Asclep. tulip — 750 to 100 FR plants

Prunus serot.
Rubrea xps.

Turfy, need burn

Trill. — I rise 1 aspect of those
of Sandy Neck — almost shrub-like
growth, but thick trunks.

Turf too smooth for negl. I think,
but w/ types of cranky hairs in

Mike 8: well cd. 1t in P2 next
year.
II. Nashpee R. Nashpee

June down but N jut E of Pine Tree
River - ends @ caldecott in
Con. Card. TTOR.

Carex vesicaria - edge along trail S
Nyssaceae - scree, near FL
Zizania - sold. plants

Sparganium eug., am.
Poly. Sag.
J. eff. - Stalk
Callitriche, Stag. - 4

R. Maple - Tupelo - W. j. Beach - Cilicia
Vel. car. treacy - W. Pine - Pinice

Lunaria - W of path
Mass. F.
Scip. Valid - rio march
Uph. scar. / lot.

Myrica gale
Rosa pal

* Chrysopogonum - note in upcy
edge of rio, Ext. Am col.
Tributary in
W to rio here, wide path
Piles pine. - same area

Rumex acetosa - " "

Cardamine pens.- " "
Carex ? - acetosa - " "

marsh. - only col. Am. Fas. 1 spec.

Epilobium Scop vel + cup. Astor
W. Zizania (same), Sag. lat.
Spy. am.

Bocconia
Bidens connata

Sium
Epilobium - steel FL.

Millionium Cap. - ? spec. 10
Peltandra

A Gunn. (ser. 4)
Thalictr. poly.
Ribes hurt - by trail
Drove to TN via PA, VA

10-15+16

Northrupi hypo - $0^±^\text{th}~W~side

Epigaeus

just S of line

Some steep rise E base of steep slope

enough for sphenoepithelial plane?

Ophiophora here

Zizania - late @ base/steep

high hill to S

fair poor escape @ base

Nice mudflat comm'y

P0.50 hyx

P0.50, punct.

Catale presumably area

* Need to return to census @ low

Table here + to S

Asclepiasp. ampl. "line, 10 together"
10-19

Doe River Forge, near Elizabeth
Tan, NE Tennessee, Carter Co.
field trip part of Natural Areas Assn.
Annual 1979

Acer pens.
Rhodo. max. minus (punctatum)
R. max. plus size of Kelmiae lat.

Sedum Terrarium
Blypeum virg.
P. pilosus

Nehi 

Solidago - var. longi-

Oxalis F.

Arabis sp. TH prob. ovar. / R. M.

W. Hazel

Eup ry.

Samulea (cen.) + mon.
Hexa

Mitchell

Tsuga can.
Sirius can.
S. Red
Rubra sp.
Fragaria virg.
Chamaephyrea mea.
C. odorat. PI
Atilla spinosa
PI
Aster spp.
- blue
- camac

Galax urceolata
- potent gregae
- dentic.
- white
- Rovinrace & Stepanopos
R. o.

Gerex vitale

Eucynamus spec. americ.
W. Pine
Viole consp.
W. Ash
Dogwood
Smilk rot. + panic.
Dendrothoe claud.
Ilex vert. - eua. only.
Triplura - fix day next.
Spartium - 1 plant upon cliff
Locelia infl.
Vitus acq. var. arg.
Fusco. Trisetum - bienniaetl.
Asplenium trichell.
Premnatis alt.
Athyrium flex.
Kalmia lat.
Gedryza repens - PIK
Sparthum phlog. - 2. 3. small white men.
Magnolia tripetala - sim. eric.
Lew., esp.
Sageraria
Dactylis glauca
Euphorbi sp.
Bidens bipinn.
Asclep. sp.
Pohleca alba.
Pyrenita - 1 tongue upon cliff
Locelia infl.
Vitus acq. var. arg.
Spartum. Trisetum - bienniaet.
Asplenium trichellile.
Eudalia vina - distb. RR
Dactylis glauca
Aposeo sp.
Carex platysteg
Lady F.
Iris crist.
Asclep. sp.
Pawpaw? long pretty green leaves.
R.<br>
Rhus typh.
Rudd. lac.
Desmod. glut.
Hydropity.
Cyst. - distb. size
Aristochia macro.
20 Oct.

Cedar Glade, Knox Co., TN.
Mascot Rd & Rte 11E NE of JXN
path to:
Eup. sessilifolium
Panicum sp
Eup (aromaticum) sp. on path
Hyp. hypericoides
Lonica fop
Trisetum (narrow-lv'd)
Polymnia canadensis (lv, lorn)
Rhamnus carol.
Quercus muenchbergiana
Quercus stellata
Bignonia cayennata
Alder sp (small, New England) alder
Panicum flexile - cal.
Deodormium sp
Triosteum flauus
Agera (montforda) virgum
Parthenium
Nicora unimini
Protaspis x Mystica

Dentaria de co horca
Agapornia pub.
Smilago tenueradic
Carpinus
Carex tata
Sycamore
Red cedar
Nisiaea 4 tri-
Helianthus divar.
Rhus copal.
Biluca allig.
-
P. carol.
Tsuga carol. - needles needy
2x length of con. and
fewer per length of tufy.
Gram sm.
Cymophyllus - RR cut slope

Hystrix
Pygrear
Euphorbia
Sabbatia? roths BAS
Sparrethia vag. n. neglectos
Brachyanta
Kanthor richa
Carex laxiculmis
Senecio ranunculoides
Carex colori
Panicum wundspikelet
sim. ti philadelphicum
Salvia lyrata
Diodia terea Rubiaceae
Linum sulcatum
Verbena stricta
Aristida
Stahia eupatorioides
Sparrhatch clandesina
Muhlenbergia capillaris - col.
Smilax brow-nax
Acalypha
Shumardii
Senturian hinadui

Thelechraon revolucum:
Cerqua
Verbena capillaris
Rubedella harta
Rueilia scubifolia:
Agave (tritynga) var n purple
Arenaria serpyllifolia
Geranium beakway: salg
Onosmadii moll: jwi
Arabia missourinensis
Rheumnantium
Agrimonia pubescens (per plant)

Notes written by Gemmy Salzman (John’s sister)
II. Roan Mtn.  TN\NC
Centr. Co. / Mitchell Co.
Whole mtn. covered w/ snow!
Cold, overcast, windy!

R. Spruce  >  cedars  Roan High Knob
F. Fit
Alnus viridis  -  not mollis,
due to glabrate undersides

5'600'  at summit  /  Roan Bald
Fix along road up  @  gap  on
side of flat  - like summit

Antropologically enlarged, open,
gassy, weedy slopes to summit.

Solid  Pseudotsuga  - dom.
Rubus  - sub-dom.
Angelica trifurcata  - loads
Carex leucophylla  -  
C. sp. — a dom
C. oligosperma — side A.W., short
planta in a seep facing the gey
Heal — all — native van., loads

Trunca — in seep
Rha. alba — seep
Peris. trifolia — up on high rush —
side A.W.

10-21

Grandfather Mountain, NC
just S of rt. 105, S of Boone
Cold, super windy

Hiked up Profile Trail to crest of
ridge, then E&W to steep to high rocky
ledges, I went on N side
4000' > 5700'
woods = No. hardwoods/hemlock, w/o
White Birch, and rel. small P.S.
Maple

leaves Y. Birch, TSUGA, beach box
"Rhode Max in "poor care"
Aesculus flav., - sweet, potato
Large size
Flag = fresni — subdom.

Rt. cherry — many large ones

lea. unusually long + attenuate
R. Spruce — steep & way up, but not
common until top
10-24

1. No. Sugarloaf
   w/ Ginny Selzman
   Solid, square - bare, S slope where
   + W. - open area on W side
   S. arbutus - edge
   * Cerastium - bares, dom. -
   Poa compressa - ""
   L. Blue - bares
   R. " - several patches
   Deschampsia flex - bares
   Danth. - spic
   * Ephedra - bares

Rhex typh. - bares, S + SW
B.O.
R. cedrus - bares, S + SW
Vacc. vac.
Woodia il., - bares
W. - litt. - uncom.
Lycopod. virg. - fairly com.
Asplen: turbinum - w side + platy.
Mosses - lots + luxuriant the year

* lep. vine - lots, S + SW
* fi - arguta " total, SW, W

* Artemisia camp. - lots to loads, W
then face of conglom.
pix of boli.

Anemone, vrg. - W

* Poly. terebr. - Sota
Stand on S, W

Hypoxis - lots, mostly S, and W
Peredul. cam. - edge of woody tangle, W,
S end of sheer Arti. camp. cliff. lots

Arcto - lots, W
Arabis hirs. - 8 plants FR and W line,
under 1 overhanging boulder near top,
W.

A. (? Cam.) - 15+, S + SW. No beard

* celtis - several small areas, S
I. So. Sugarloaf
brief visit

1864 - Summit House built
1920s - trolley car ran up
1966 - destroyed by fire 6 Jan.

II. Glume

Achenea rig., ped.

Elymus canadensis - Cl. from upper 8
S.W. slope among cedars 11-
Cassiopea asx. Apl. platx. Holl. diver,
Bromus? pub., 30 cm, 1, Bluc
100 culms w/arching inflo.

* Asclepias vert. - doing fine, top three cm -
upper S.W. slope.

*Aster - low, 100 peep.

*Aster - low, 100 peep.

Hesperis panic.
Helianthus dura.
Senecio obv. - 100 peep.

Antennaria plat. - Code
Hyper. perf. - lita
Sax. vift. - " all over

Rosa cana - Code - all over
Campion - top

W. pine - ledge

Ches. - top, v. ledge
District's comm.: - lots.

Solid. pub., bicolor

*A. bellaca - ca 20 small to mid.

* Aster - low, 100 peep.

Bromus pub - lower W side. Plants only 1" tall or so.

Hesperis panic.
Helianthus dura.
Senecio obv. - 100 peep.
10-25

1. Bare rock in Healy Range
   w/ Gurry Salzmann

* Acer ? negundo - several trees w/ 
  Eva mostly v., talus slope in so.
  Healy facing 116^\circ, below ledges.

* Sabicea miss. - same ledge, several
  plants fr. and w/ basal lvs.
  Spur at Cedar mev. This in S end of ledges
  More to N on top of ledges w/ view

* Rumina fruticosa - atop same ledge, few w/ 
  Heaths, Mudl. Sub., Frazera
  More on Aspen bchy. W

Hedysora - same spot

* Emp-sess. - small white old trail grove
  N-S. w/ H. divin.
  Late acted on, other nearby smalls.
Cereus glaucescens - # Ug. Seen on three shells, All FR,互ted, cerenment.

Celtis - seed, to locally numerous, small

Seneio pappus - edge tops QF, edge of slope (dune talus), late!!

Sorghastrum - do, late, over N dominant

As in panora var phlog. - Fewest, fr. bur.

* Poly. tenece - late, ledge tops

* Selig. rep - rare, pop, at S end, leads like ledge top,

Woodsia lir. - late

Pot. argente - high up,

L. cunningr

L. ? Tenney, probably Col. 100
plants w/ new veg. growth, only inject & clearly amo w/ semi-ent fr. plants

W/L. B. Blue, Sough, H. Butcher, Still in So. Hadley, near by much

Actin. undul.

Pyracantha, not.

Rhus typh.

Colum. circ. hairy

Celer glued - like aspect, There is no more of these to the S.

Rose card. - late.

Steriace venen. - late, just N and just

W. of this amp glue. -- end west of this amp glue -- can

Who, do go up to next ledge top.

Off the S end, if crashed rock ops.

On ever near town line, S of S of formal trail to summit.

2 hours

Go down trail, an overlook to map open

overlook to rock ops.

Nada thru of intuition

* Actin. minor - 1 tree 5" DBH

by trail just NW of overlook

A rocky gully goes S from here.
at least 2 others nearby, one is 1.8h
W. S. Maple, Ch. Oak, R.O. 
W. Birch, Oxyopsis, etc.

keep vug -- ambient, goes to a higher hill
Actin. Liner, --

We checked summits 1 bare spot.
No Muhlenbergia.
No on east summit W (not that)
Both summits doing in my trees.

L. sedges -- doing fine, as many 
clumps as ever.
Col. part of 2 big clumps

II. Devil's Garden Ambulet

* Eriogonum cap. -- lots by road
N side of trap quarry
Col. -- Ambulet

we looked both sides of stream
for

* 1/4--min. no Aplectum

Yerba, S. Maple, Tsuga, Beech
B. Birch, Seeps of Speedwell, W. Birch
R.O., W. Ash, Mr. Laurel, Mary E., Internal
Form

Both spots OK No rx o surface
III. Pondlet N of Bachelor St., Groton
Round shape on top
Cephalanthus + water

IV. Lithia Springs, So. Hadley
Reservoir here at point:
Rh. cap.
Dicentura
Elm. smellea
Chelone
* Ludwigia alt.
[J. mid. - all VG] or all big Elgin small
Sesq. cyp.
Saturea clarea
Panicos rigidulum
10-28

Tridens - old site 140
S Town, Mann.

Oenothera virginiana - lots FR, roadside that Reynolds Ave, Rehab.

* Seasonally wet under 5 side of 44
  Turt NE of railroad, Trenton.

Cal. Cam. - Grade
And. V. virginian. - Grade col.
Spiraea tomentosa - Grade
Solidago - rug. Grade
Dichanthium - Spergula
Hult. un. - Grade
St. Can. - " in ditch 11 to 44

* Linum - strictum
  Inflo. branches; strictly alt.
N part: Neat ditch only. 30+ plants.

* Ludwigia alternifolia - Cota FR
  Carps bull.
  Viola case.
  Lycium tor.
  Lycium sp. - no live.
  Eriogonum ellipt.
  Sphagnum
  Gl. var. sun.
  Atronia - age 6th. FR
  No live.

Bayberry - invades
W. Pine - "
W. reay - "
Eup. pilosum
Rhy. cap.
J. marit. "
Xyris diff.

Hypercan. virgin. var. gent.
Aristida dichot.
Scirp. syn.
Sals. dissect + humilis
Vacation, mean, azaleas
Holcus
NY aster - wit spots + pilosa, virid.
Glyceria obt.
Salix ericaph.
Cal can.

Soil scraped several years ago

the hens' veg, has taft + curly hair
Led. - death, stop

Huckleberry
Lecanor.
R.H. invade
Lycopod. i. hard + appressum
Marsh E.

Species list
Lilium sup.? # towards NE, small
Rubus hirs.
Pot. cen.
Veronica
B. tarentica V.

G. Birch
Smarax rot.?, glaucum
Spinatheus can.
Ag. pub.
Sericocarpus act.
V. publ. primula
Fimbry. aut.
Tupelo - invades
Azalea vis.
Solid. pub., cen., June.
Dock, darnel, spic
Gaultheria
Carly filicinum.
* E. tuberc. V. local towards E.
Doe. int. -
Agrostis sod.
P. loosestrife
L. blue
Clethra smurk.
Shag - ditch only, local.
Polymella - city, RR E of Crane Ave., Taunton.
Sativa glauca - do. + fab.
Euphorb. cyp. -

Sorghastrum - good in small
dry lot E side of Pine St.,
shortly N of Plain St., Norton

11-04

Trifolium agrarium -
# FF in Congress plat
by clay sidewalk, downtown

11-19

Carex alboatraecea - along RR
spur NW of Taunp. Station. Dry
sands, seasonally moist patches.
Don't key to anything else.
Dec. 06

Met w/ Tim Summers + Rex Meyers (of NE Utilities) re rip-napping along CT R. + Gill.
Rex Meyers, Chuck Reimie, Gary Johnson, Rex + Gary are from NE Utilities Environmental Programs.
Chuck is an engineer for N.U.

C.O.E. will do study of
CT R. in this whole area to
det causes of erosion.

NE Utilities doing study to
develop right plans of CT R.

Tunna Falls + Venner

Slump in major! Opp. Kids 15
Years ago meadow slumped until
Northfield Facility was built, 1978.
Dressing bank to 30’ – 40’ from 120’
T. Just when 50’ year zone.

NE Utilities looking @ geology —
E.g. will basalt filled w/ rock
May eventually grow in there.

Gables @ BE + banks

Surely cut back 6 months +
rsea + N Ward, for 300 yds.

Riprapped 700’ already — 4000’ N of me.
1978 – by NE Utilities. We looked at
it, in front of house.
Slumpage gone year-round.
Following the almost constant
milling away at the base
from daily rise + fall caused.
by Northfield faculty and by motorboat.

1970 - Tumers Falls Dam raised 6'. Also the
Northfield began its $20,000 plastic
membrane. This cover has made it clear the
reason that the river is doing things it previously hadn't.

1979 DOE did a report on
streambank erosion, Chuck will send

MNHP needs to comment
we are holding up permit process
- no NE wants to submit
permit approval to begin
salvage work in 1990 (2000)
Then the next 2000 (now 4/1)
words to bank in 1991.

Wood we put a trim strip
on a bank that appears to be
stable but which actually is
slumping too - mostly to leave

R. D. Bevans, Skag, Archibald Bl.
Arch, Corwin alt? Elm
St, R. Hand, W. Ash

Northfield further N where
bank shows less steep.

No good Planterine, No use
plants possible. Ordinary wooded
we're for such a site

Open bank w/ Bank Swallow habitat

French bottle ledge, etc.

No beach for Cie. point.

Echinocystis, Jay Barbery, Calendula
Celestina orb, Fennel honey
Pix of stag, Hickory
split by slumping bank!

This whole bank + 50 yd FF
was dug by L. Hitchcock
and/or at redeposition after year -

Major Indian encampment
20-50 inter-pits per 1/2 day-

N.E. has rip-rapped 7+ areas
already over the years
Also bank in 70's did X-raying
cutting back of banks as dam was
during raising and hydropower-

White House Viaduct vicinity has rip-rap
in front of it at 900 feet. Opp. N. E.'s
prime area N 49 Red 6 E 5, 1978
11 Feb 90

binding w/ Kathy P.

BLDU - 41 Assonet Bay + Shepherd Cove
CANV - 91 " " + 110
Beki - 1 " "

TV - 1 flying over 24 Fall R. near Tiverton line

Harlequin Duck - counts of 71 and 75 made at Sachuest Point NWR, R.I., all at E side at Island Rocks.

Pic of group + pair close to shore during falling + low tides.

HOGR - 3+
RNGR - 51 W of Sachuest Pt.
CANN - 1 ad. over by Sachuest Pt.
PUSA - 100+ Island Rocks
Various Scoter, merg, scap, sandling

67 Ceder Waxwing feed on Multi-flora Rose, etc. by Matthews.

1 Fish crow flew over calling.

10 March 90

Collected Pinus banksii from edge of RR, Rittenhouse Park, West Springfield
10+ young trees w/ cones
15 March 90

I saw epigea - same w/ Kalmia
drift - just where site 24 South
in swamp starts, depart
from site 995 - South
Raynham

Tridentum Flex. - W. P. Rd.
Col. epigea - papyff 200 FR eman.
in sashine, w. P. Rd., Roch.

* Kalmia Flex. - Site on W. slope
The Highlands and edge of swamp
E of Black Brook, 17' boro.
W. X. Bush, Tim Holey
West edge of in-progress housing devel.
Big, old plant from thicket 10' tall
Col.

RSHA-2 Calling
WINR-2, 1 Sings
RBNU

W pine, B. O. Beech, R. 2., capers,
Mitchella, W. O., Dryopt, mug.
Goodyera pub.

"The Highlands" dvel. by Symmetry, Inc.

Myrica gal. - Roch.
Pell. cam. - 17' bord

* Polypondium viv. - Small pref. for
so fungi in shaded roadside area,
Walmart Plain Rd., just N of
Stewart Bog, under W. pine.
W side of N. Col. Rochester

Lycop. - several patches in
W pine woods E of rd. Col.

BRCR-1 Sings
lycop. bred in "495
Norton

Ahnus rep. F. today outside
my apt. @ Ramford R.

3-16

2 TV West Worsham

1 EAPF " " + 1 Rock.

Zizania - sm. pop, marsh on We- wantee R. @ Square Is. Rd. Bridge

BL. Locust - Rock.
Cal. cinnamoides "

I. Cedar Swamp Rochester

A. section E of cedar - long dirt
ride goes thru this far out to Nice
Rd. I stopped @ 1st house a
S end - 175. Gaysocki's cousin
whose husband & father in law own
all shr. to West of driveway
I.B. section N of Stewart Creek Bog
- wet, shrubbly, regenerating and
- Cassandra, Vaccinium, Andraea
- Leucothoe
- did not penetrate

I.C. sector @ NE, take old lane to
SW from town line

Vineas - loads scattered in lane
Crack willow, few "", F.
Narrow Spur - lots planted + some
estab.

Tsuga

Tsuga 7 5 of live, but one in sw
- Monotropa uniflora
- Chamaemyrtus
- Checkerberry
- Y. Birch
- Breech
- Chestnut
- R.I.
- Chptis
- - now edged/sw


Cassinia
- Cinn. F.
- 2 Smilax
- Tupelo
- Fagus - etcet
- Mitchellia
- - - BAOW cafe half hztedly
- - - Barred
- - - Carex foliaria
- 2 S persicif.
40+ foot cedars, to 15" DBH.
Pix: Coose grave.

Give to @ E is bigger,
up to 50' and 18" DBH
I measured 2 1/2 top lengths = 62"
V. shortly hit- grave.

Nemo
Topo length = 27"

Met Mr. & Mrs. Shockley, who live
nearby in 7th boro., E side of
Highland St.

3-18

Biking in PR w/ Kathy
200+ BHCO Sharon, fields by Wotomology
Pl. 12+ Woodchuck, STAR
10+ FICR Attleboro landfill by
Chantilly Pl. w/ COOR

CAGO - 12+ Chantilly Pl. mushes
MALL - 4 " "
BLDU - 4 " "
EAPH - 1 " "
WODU - 2 (pair) Barnowskville Pl. + 3 more
NUSW - " "

COMF - 66 Norton Reservoir
BUFF - 10 " "
CAGO - # " "
* GLGU - 1 1st Winter " " w/ #EDU,
  GLGU

ATKE - 1 bat Chantilly + 8 Valentine Parks
Bigtooth Aspen PL by Norton Res. has been for several days.

Fishermen + 2 some saw 1 Yellow-Spotted Salamander crossing RR at main road by Cherty Pk.

CAWR 1 by Dodgewell Pl, Atte.

20 March

1 Cooper's Hawk seen perching over Ice 95. Sharon

...snapped at several houses.

...truly two getting. Direct...
12 May

Devils Garden, Holyoke Range w/ K's Botany Class.

Walked down the Brookbank Trail, pointing out plants, birds, etc.

Habitat in a few places looked good for Aplectrum especially down where rocky slope reached nearly to brook -- this is considerable dist. down trail.

Some plants noted:
Azelia vaccini - lots

Uvalaria sess. - lots

U. prof. - locally in rich side gullies.

Viola corn. pub. flabelinis (pawlowski)
went up to see BABA pin
and nearer Tennet Falls /
Baton Rouge.
see 1 egret only.

Huge platanes occ. in village of
Hatfield - nearly as big as one
in Sunderland.

23 May
To Vista bluffs site, Bama Rd.
W/ Sally Zielinski, Palm Resor.
Hilton/Benton

H plante FL, esp. near to W
where patches exist w/ little
no veg'n and certainly no shrub.
These places also tend to line up 11
to 90', short dist. from open
marsh.

Col. 2 FL

Rest of plants are along side road
fiercely in intervening area
where trees by Rhamnus, UV.
sect., Convallaria, and blue
daisy P. M. canopy
24 May

I. MT. Tom wi Andrew Williams Holyoke

Viola septentr. - FL fully in now, base of big ledges SE of.

Oxalis stricta lump. - tiny ck., n. School
Calamintha triflora - Cts
Shrub.

* Asplen. m-m ~ 9" high
  grea rock ledge at very base of high red sandstone ledges. Not detached, but forming the base of the cliff-like ledge.
  This grey ledge has lots of narrow mossy slabs & ledges.

5 wi dwell. FR, 1 tiny one US,
Total of 3 places.

This is 50-75' elev. above the big detached boulders
* Pellaea - 1 richly plant at eye level, sandstone ledge to 5 m. or 50 m.

Scirpus versund - Boats under power line up S side just below where it gets abruptly steep. Col. W. Idaho pedate.

* Climatic occ. - # plants just at top of steep slope and also W-ward as well as E-ward. FL, imm FL, some just VG.

Most are big, vigorous.


* Carex glaucossp. - same silt as in 14 July 85. But now no log across trail. Fairly large knoll begins line + gate ES at least 10 plant.

When 1/4 the trail, which is narrow here and W/O ORV damage 4 few are just now 1 ft FL.

* Thalictrum nard. - some on this knob. Lots on S slope in general see Andrew.

Sorgestusm. - S. open slope - says Andrew, s of ledge.

Catalpa peltata - sunny slope same knob.

Now going down narrow trough W. trap ledges on W, rocky slope on E. Big open bald on top.

Cardamine pava. - big plants.

* Clematis cent. - couple
Primus viscosissimus - numerous.

Big 4' Black Fed Suckers -
Raccoon tracks starting in dry area then go off into gulley.
Chin + throat tan.

C. glaucaster - single Vi plant in among rock outcropping while some H20 dribble in rain event. Staff, near vent. Talus + ledge before here.

W. polycrithum - see also later.

We've been slacking along at about same elev.

Arcto - bald rock+ cedar. AR seq. frequent in such habitat.

Phtos. museum:
Rosa carol.
Krigia v. - FL - open rock bald
w/ concrete platform SE of
towers + bldg.

Selaginella rug.-to, sm. pop.

Sax. purpurea - 1 tree w/ main
stems in 12" gally revine E of
towers, just W of big open bald.

Climatia - several here. E side of
the bottom revine under the calix.

V. lge. open sloping rock bald
w/ views to Río - W side of
revine, below towers.

Remex acetosella
Salaz. ciliata
Spor. latif.
Lilium phil. - here we saw it
in '67

Now go N and down

* We went too far N-- returned upslope
to road and S towards big revine again

* Carex glauc. - 3 v.6 plants beside
vernal neck on steep rocky
steep, talus slope w/ much grass
Unfortunately it is directly upslope from
the 1 we saw earlier.

Now E side of big revine, due
E of SE of the biggest rock-topped
rock bald afm. of

Lilium (previous page)

Open bald here w/ nice view.
Then go N and down a bit to
hit series of 3 baldes.

1) ordinary bald, w/ great view of Río.

2) Scrub Oak Bald - a lge one whose
middle is full of S.C.
Stone Seat Bald

3) large, very open, grassy bald w/ 1
Fir trees + 2 cedars in middle, several cedars
along E edge. I took 3 pix of holy. Range from here.
Also stone cairns and lots of Arctojoyas (I'm not sure)
directly over the reservoir.
Loaders L blue stone seat on upper ping.

Go SE downhill, then N
so end up due E of #3

* Verbena simplex — under small
Ash tree beside tall Junipers vigo,
slower slope of the steep bald.
I'm in a moist seep. No plants visible
2 White Pines on top bald.
Can see reservoir but not much of it
Also at the bald:
Cardamine pinnata

* Ranunculus ficaria

Corydalis

L. Blue

Big Blue — few

After sodiage,
Danthonia spp.
Hypoxis
Geranium bicknerei
Woodia inc. — #
Sax. vio.
Trichostema Blue Curle

* Arabic moss. — 22 FF right line

w/ Verbena + adjacent ledge

Carys common.
R.O

Sterculia major FL pix.

Spinista cat
Helome purly

Staphylea — # set. on north slope
below Verbena's ledge

(Which are wet, flower end and
nearly all wet)

Ostrya — Carya — Auscus on slope below
w/ some Acer saccharum
big west ledges are below to E. we went down a chute

Myosotis versa atop big west ledges

Viola blenda - lots along creek upstream from Dryopt. goldii.

Cyp. pubescens = 1 plant, de. Dryopt. hyper. = #

+nich plants & big boulders here

Poa aleoidee salt.

Botrych. virg. = 615

Carex laxiflora = common today.

C. laxiculmis rare

C. plathyphylla = unc. tall

Slender culms w/ slender braided line

Vacc. ang. = all over hills, dry soils

Vacc. pallida / Vacc. = dry soils
II. Words N of former quarry.
127 T3m, N1 ski area, llyoke

* Conopholis - N side of cascading brook
we go up hill. 8 shoots
Red Oak + tSug. Move to N
off of N-S trail

* Carex glauc. - 1 v. E STREAM
w/ in 15' of rock slab and
w/ in 100' of N-S trail.
we did not check S side

* The big pop. is doing ok., really
veg. a rich FL

* One of 2 clayey pockets leading to
small reservoir uphill (not on
Topo)

Cerifex x Pursh = Lepidium compatum
cole from edge of meadow

Senecio verce. - seta. coloniae

AMUD Nest! - Flushed bird off
off grassy - wetgy area w/ open understory. P.x
& eggs

Just to NE is nice hickory
hemlock area w/ cool of Carex
pens.

Anemonella - Sta. FL

Viola triloba. - "" see below
Remain, do not touch.

* Box Turtle - old adult resting
here! shell wedged against grass clump

Cynanchum
W. perf + sess.

Carex flexilina

Antherxanthum

* Viola triloba var. del. - several
seta. w/ nominate
Area F
Calumet Ave.
After awhile
Beranium under
Vida septent.
Sugar Maple

Habitat is flanked by 2 rock ledges
stream + continue N of 2nd stream for
shortlist.
Ranunculus abort.
Antennaria plantag.
Hypoxis
Bleuetes

Not as nice as Bray L. area,
but good.

Area is E of ledge + NFL almost a bald

Another trail to N and SE
downhill. Small
C. pano., Ammobium, Viola
are constant
Senior observers

* Congophila - several more
pops. as we went SE

Above conifer - naturalized # ski
area sign. Andrew has
Col. @ SCHR

The good area we found may be
same levels as last "phenol" site
the one that's all grassy

A Wood Turtle - I instantly did not
leaders thru lot. Anemone was king
TO E towards stream downhill

Pix
**Aralia spinosa** — several
plants alongside entrance road
just E of N of White Amusement PK
was — Ca. 10 plants — largest = 5" DTH
for B. Tall, Andrew — made CD.

**5-25**

_Carex vestita_ — clumps in gravel/
sand / cinders by ex Penn Central
RR — Southampton, just N of
Valley Rd. — E of Brickyard Rd.
CD.

I — Turtle Bend 11th — Russell

_Carex Spp._ — clumps along
road 2 E base

Big cutout on rio — No _Threistum_

2 Revers — cliffs, E side, on rio all day
much vocalizing, certainly mating!

_Polygonum cuspidatum_ — 2 clumps in narrow
FP just E of clump — Dom. Infr. place
Post boards — site
_Festuca spp._ — loads
_Sarc P._
* Anemone Lacy-Wh. - whole in some colonies, same FP zone, N. of skeleton top. Totally glabrous w/ recurved + flattened pods slender. Col. 3
* Allium sylvarum. Purple wh. just > tepals and filaments. Allusia - some FP.
* Col. 1 Uncom bit wider.

Heliana - numerous, in bud.
Ranunc. sept., recurved, abort.

Chamaecyparis virg. Rossa multi.
Pinnule F. Rasp.

COME & fish downstream.

Sanguisorba - mossy N. bank under Tsuga, Alnus reg. Vb. dmf. 100+ VG.
Col. W/ Royal F., Intermitt. F., Anemone (2) UG & Shepherd by it. 20

* Violets nephrot. N. - all smooth, W/ normal hairs in throat. Plants on mossy sides, rock 
& ledge.
W/ Birch.
W/ Navajow., Blust., Roy F., Fragaria yory.
Nymphaeum, Polytrichum, other mosses. Var. e g. Dianella, Thalictrum, poly, inter. F.
Is about 1/2 way along the E-W stretch.
Col. 6 FL., 11 V8
See also next p. →

Amelanchier sp. — same place. 2' tall, loosely corymbose, small b. printed, many small teeth or margins.
close-spaced, soon glabrous. Petals ca 10 mm long. Ovary glabrous.
Col. piece — only 4-5 plants
See 2 p. ahead.

* Tussilago farfara. — same place, 6 cm. plants on rocks & Rio edge, less tall. Inter. F., V. moss, Thalictrum, poly.
Rex, F. that's all.
1st FL. — things here are tender.
Under overhanging Hemlock.
Col. piece of 1. Rock is only 4' hi.

Dryopteris phyg. Rubus pub.
Fir, Maple @ seep to W.

* Rosa blanda — sharp bend by it. 20 — 20 plants small
V. Songorhia, Cera tarsi, Zara.
Tussock. Battled by recent flooding.
Col.

* Viola nephrop. V. Jones @ well-vg'd. — sharp bend by 20. recently flooded to petice, white, tinted violet blue.
Col.

* Big open rock ledge by river's E. side upstream @ next bend, S of Brandy Brk. See next p.

Liriodendron — along trail 1/2 to E-W stretch of river. S side.
II. Bij open cliffs, E side Turtle Bend 11m.
NADA. Schist.
Top of Shattuck is open, ledgy.

III. Along RR E side of Westfield River, Russell/Montgomery
Dusenia wet - wet ledge
Sagina proc. -
Vioa fall. - " Still FL
Hydrophylla am. - "
Amel. - Same as this AM.
Bignonia in Montg. & rio. # FL, from FR. Very glabrous!
No BOS on crops by rio.

IV. Russell Falls + down
Natural rock ledge here, built up W1 cement.
No plants nearly

IV FP forest just below dam -
Cotinus - SYCAMORE - SUGAR 17
Silver 17 - Elm

Deep silt,
Bad ORV damage
Poly. crisp
Carex spum.
Sorrelina race - Grade
Eup. - "
Rosa multifl., - "
Erythronium
Cicere
Pot late-ble
Chever
* Rudbeckia laciniata - several 10
VI. Rock outcrop along W side, first downstream @ bend

Antelost - #

VII. FP Forest first NW of Strathaven PK.

NOT true FP - W. Ash, Sycamore, Elm, Y. Birt, P.O, Baccara, etc.
- W. Pear, B. Birch

Cycas filifolia -

C. gracilis - spring

C. pedunculate - brom

Potentilla - dem. marsh.areas

Poa. Alpina - a dem.

Partin - a dem.
Euphy - "

This is an area which does not flood yearly.

Violet - zones

White - zones

VI. Rock outcrop along W side, first downstream @ bend

Glechoma

Dictaiva d.

Tricella

Araeoma turri

Angelica atro - rare

Hooded

Aster divar.

Ciracea

Day Lily - Lords
5-26

1. Chattnach Mtn - Russell/McGovern

Open ledge top w/:
- Q. montana - dom
- Q. ilicif - a dom
- Gay boc. - dom
- Vac. ang. - dom
- Aronia mel. - dom
- Carex rug/lunb - col. for ID
- Late: dominate, not known

L. quad.
- Poa annua - estab
- J. ternis
- Crepis
- Marsch.
- Lichens
- Vac. vac. - dom
- C. picea - dom
- Amel. caer.

Sweet fern
- Catepyga sp.
- Rhus ovata

AMRE, BWA, PRWA summit, RST, SETA.
HOGA! 1st sedge, EMPE, BOCH, TV, CORA
- won X no. 0VNE, BAWA, HETH, CSHA, BAWU,
- Ch. BOCH 82RbcP, 60CFL below
- 4-CONI micro:arched, N2OD, SECJU mat PIX, CECX,
- See Mt. Greyback

- L. Blue
- Grey Boc.
- Mtn Laurel
- Quaking Aspen
- Pitch Pine - freg.
- Gaultheria
- BL. Oak
- Bracken
- R. Maple
- Andes red
- Dicr iners
- Bl/ Birch
5-27

Breeding w/ K in Holyoke N of 202, along base of old quarry. Clear sunny, no wind, low humidity.

Other birds en route: Valley Rd. Southhampton, North Rd. + Rot Rd. Westhampton, etc.

EWPE
GCFL
COCR
WIWR
CAWR - singing edge of swamp. Close fence, no buffet notes on side.

BG66N - certainly nesting just S of quarry.

DOWO
BYSFL
BCCH
BLTA
BHCO
BAOR
ROBI
BRCR
SCTA - & w/ nesting material
RLWA
BAYA
NOYE
LOWA
AMRE
OVEN
CAWA (some text in parentheses)
WENA - more hand, but he's good on task
CEEP
REVI
RSTO
VEER
WOTH
RTHA - callie overhead
AMGO
INBU - clearing
WBNU
RBNU - Tsuya now
TUTI