

East Jewett Range from the south S22-3

with David Mack & cousin Peter? Finn, 8/28/94 before Plattkill Cove Preview

Location	P	Δp	Δe	e calc.	e map	Time ± approx
(A)	29.84	0.00	0'	1880'	1880'	8:15 AM
(B)	29.60	0.24	231'	2111'		
(D)	29.32	0.52	500'	2380'		
(E)	29.10	0.74	712'	2592'		
(F)	28.92	0.92	885'	2765'		
(G)	28.66	1.18	1135'	3015'		
(H)	28.60	1.24	1193'	3073'	e-p 227	
(I) Summit	28.53	1.31	1260'	3140'	3140'	10:00 AM
(J)	28.52	1.16	1260'			10:45 AM
(K)	28.52	1.16	1260	3140'		
(L)	28.55	1.13	1227'	3107'		
(M)	28.58	1.10	1194'	3074'	e-p 228	
(N)	28.52	1.16	1260'	3140'		
(O)	28.60	1.08	1173'	3053'		
(P)	28.70	0.98	1064'	2944'	e-p 229	
(Q)	28.82	0.86	934'	2814'		
(R)	28.84	0.84	912'	2792'		
(S)	29.44	0.24	261'	2141'		
(C)	29.44	0.24	261'	2141'		
(B)	29.42	0.26	282'	2162'		
(A)	29.68	0.00	0'	1880'	1880'	12:15 PM

UP:

$$\frac{\Delta p}{\Delta e} = \frac{29.84'' - 28.53''}{3140' - 1880'} = \frac{1.31''}{1260'}$$

$$r = \frac{126}{131} = 0.962$$

Rapid decrease in barometric pressure because of approaching cold front (ca. 9 PM that eve)
Created an r of > 1 on descent

Down

$$\frac{\Delta p}{\Delta e} = \frac{29.68'' - 28.52''}{3140' - 1880'} = \frac{1.16''}{1260'}$$

$$r = \frac{126}{116} = 1.086$$

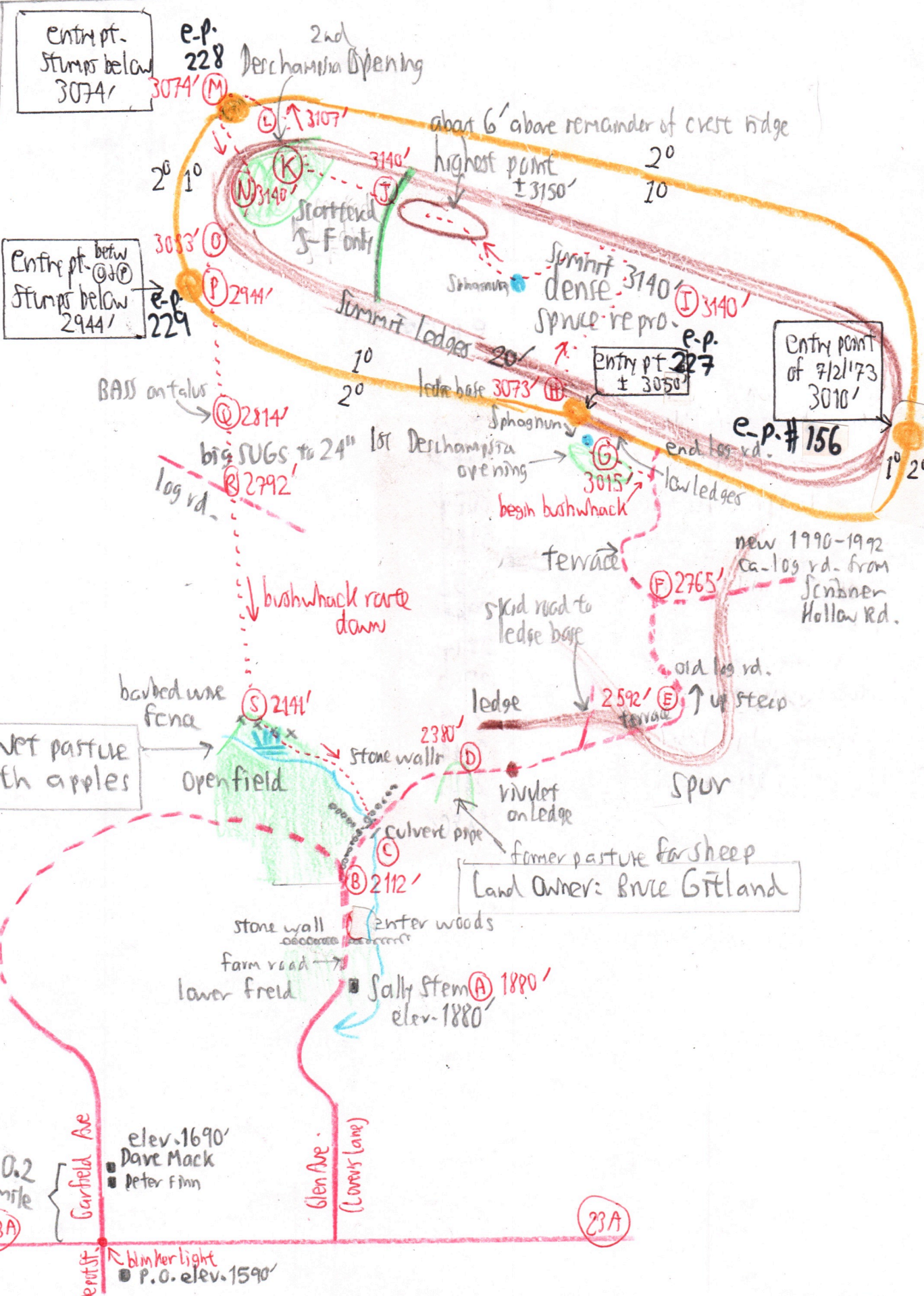
Ideas:

David Mack says that on the south crest of the summit ridge, a blawdown (he thinks more recently than 11/25/50) created a temporary growth of PB, PB & SOB. Now, the hardwoods are aging & spruce repro. (some fir) is thick beneath them. Because conifers cannot sprout, a damped conifer is a dead conifer. If there are repeated blawdowns and the spruce-fir return^{##} following each temporary PB-PB-SOB^{replacement} is slightly smaller than the previous ##, then eventually the conifer stand will shrink. Here is a mechanism for spruce-fir decline in the Catskills over millennia & subsequent yielding to hardwoods.

David Mack says that at (D), the forest has not changed much since his youth in the 1930s & 1940s. Today, many multi-stemmed small young hardwoods. Other areas near (D) were open blackberry in 1930s, now wooded. Sheep grazed woods (C) to (D).

The 3040' NW Knob of The East Jewett Range has oak & no spruce-fir according to David Mack and has been logged.

S22-A



entry pt. Stumps below 3074'

entry pt. betw @J@P Stumps below 2944'

entry point of 7/21/73 3010'

Wet pasture with apples

Land Owner: Bruce Gitland

0.2 mile
Garfield Ave
elev. 1690'
Dave Mack
Peter Finn
blinker light
P.O. elev. 1590'

Glen Ave (Covey's lane)

23A

23A

Flora

Red Spruce: several at (B), then none to mid-ledge above (H) with Fir at ca. 3100'
 On summit crest, dense repro. growing 1" to 5" per year, a few cone gall aphids, but generally healthy. To 60' or 75' tall up to 22" DBH.
 North should not be placed, but David Mack says Conifers descend from ±100 to 180' down (i.e. elev. 2960 to 3040 ± a base). Visible by MK to at least ±3000' elev. On west end no snow below 3100'

Tree #84 - One 5" Spruce log used to make lean-to at (K) = 53 yrs.

Fir: begin mid-ledge at ca 3100'
 Scattered on summit compared to Spruce dominance.

- BALS: on talus (C) 2814'
- BB: (B)
- OAK: (B) (D) (G) (O) (M) 30" live stumps
- ASH: (B) (D) (F) to (H) ledge base
- SUB: to (H) ledge base; (L) max. on W.
- DST: (D) (M)

PB: (D); (I) repro in open areas

CARP (E)

BC: between steep low brushy ledges & the main crest ledge, between (G) & (H) is a gigantic 40" BC with a broken top. ±3050'.

Sorb: (H) (I) (K) only. Repro in open areas. With spruce & fir only.
 Hamam (C)
 Crat. 2 spp (S)
 Rosa (S) (C)
 Vibacer (C)
 Nemo: S crest of summit (I) large 12' x 4"

Deschampsia Openings

(G)	(K) (W)
MO	FIR
<u>OAK</u>	BC
OM	SPR
VB	YB
BC	MO
RS	SUNS
Kunex aarfo	AA
UVUL	RS
SOLID RUB	MM
	ON
	CC
	CB

Logging 522-5

Stump late 1940s & 1950s (D) to (E) also (E) to (F)

Stumps of 2 ages (F) to (G) = 1940s 1950s & early 1990s. 1990s logging road came from Scribner Hollow Rd.

Logged a short distance above opening (G) with 40' canopy.

Eup (R)
 A div Imp pall } (O) to (P)

(F) to (G): CAULO EUP
 LAP GAL
 ALLIUM HYSSOPUS
HIER PANIC. HYDRG.

Coptis: (K), (H) to (I)

(D): Epipactis

Bazz: (I) abundant

Sphagnum: (I) 4" deep over ledge or Channer.

Add to 1973 Summit flora:

- Polepody
- Lycob obs
- Vacc.
- (J) LL } west end
- (J) Lannot }
- (J) VA

Deer bed-dawn at (J) Clearing an
 or other tree
 Area ±10 ft across without any Spruce, repro.
 thicket. Dicranum- Pteris- MC-
 Oak seedling.

SUB moist flat between (R) & (S) :

Athyrium

Asteria pachypoda with pink fruits

* Ideas: The gentle sloping-west area at (J) has
 an abrupt transition from Spruce dominance at (J)
 to widely scattered at (K) to absent
 at (L) & (M). This might be a tension zone for
 study & monitoring between N-hardwoods &
 Spruce. Fir follows the same distn. as spruce, but
 is less abundant.

Mtn. Ash in the
 Western Catskills
 where spruce & fir
 no longer exist prob
 marks those areas
 where the conifers
 were most recent to
 appear; maybe less
 1000 years ago,
 maybe more.

David Mack sells insurance.
 (518) 263-4292.