

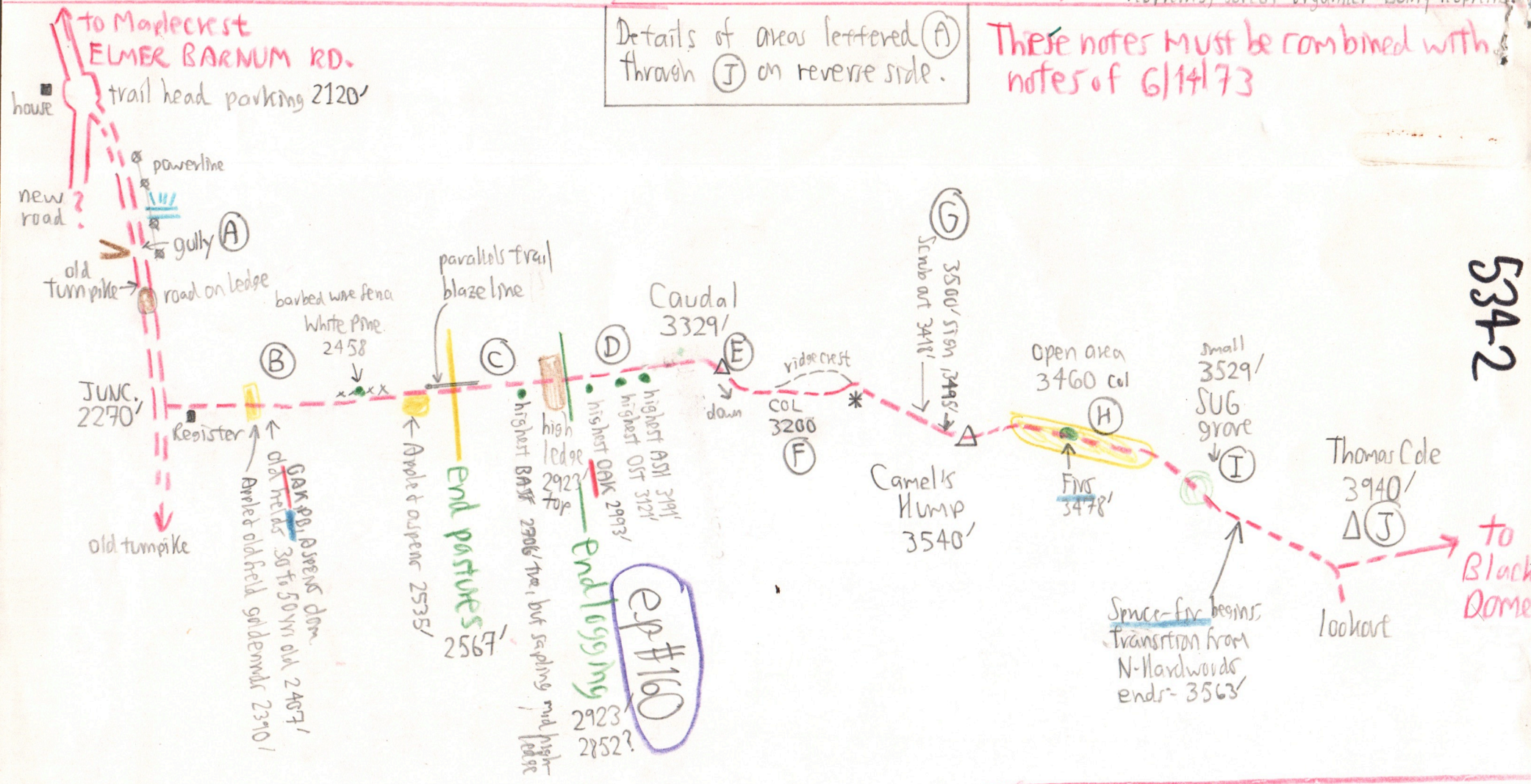
Thomas Cole via Caudal and Camel's Hump

10/6/84 with 8 members of NY State Outdoor Ed. Assn. including Drew Hopkins, son of organizer Barry Hopkins.

Details of areas lettered (A) through (J) on reverse side.

These notes must be combined with notes of 6/14/73

5342



Timetable:
 Lv-Elmer Barnum Rd. trail head — 11:00 AM
 High ledge 2900' — NOON
 Camel's Hump — 1:08 PM
 Lunch stop
 Summit — 2:20 to 2:40 PM
 Caudal — ± 3:45 PM
 Arr Elmer Barnum Rd — 4:45 PM

Till Depth:
 (A) 4 ft of till at trail base over ledge
 5 ft of till over ledge in gully.
 (F) At *, "pancake" 18" thick but no ledge in sight. No ledge in col.
 (G) Camel's Hump. 5" to 7" max. till depth by auger.

(H) nil till, just 0-Maver ledge and some accumulation in crevices.
 (I) Sug grave. by auger: 21", 22".

(J) at ± 3700': 2 ft till over ledge in trail gully. Few ledge exposed on summit & shoulder. Auger on summit: 13", 9", 9", 9", 9", 7", 7", many < 6". Very flaggy.

(A) Old Turnpike: ±2200' **534-3**

- Vib acer
- Hamam
- OAK
- Juniperus Communis
- Carpinus
- BASS
- Cornus var.
- Communis
- When take it on bedrock
- A. UMBEL in Swamp
- ELM & NEM Scapling
- EMPACTIC
- SOLID BT COLOR

(B) Old fields area to 2567':

- PB, TASP, RED OAK dom,
- SUG + B-OST understory.
- 2535' semi open area of Apple & aspens
- Back mts OAK; ±30" ASH.
- CARP, BIG TOOTH

Aster diversity
 5 species seen along trail:
 PUNICER
 DIVARICATUS
 CORNIFOLIUS
 ACUMINATUS
 UMBELLATUS

(C) Logged, not old fields

- 2707': SUG-ASH fence
- CAULO, LAR, HYDRG, SOLID LAT, OSMO. Highest BASS 2706'
- 2706': more BASS, CX PLANT, PA, DMAR6, & common SOLID LAT

(D) High ledge top. Begin 1st growth.

- Scrub at atop ledge with 2852 or 2923 ft??
- ASH, OAK, SORB, MM, DIERVILLA, ACORD, AA, ADIV, CLEMATIS, AQUILEGIA, BASS Scapling midway.
- Why such a discrepancy in elev?

- 2989': VA, PA, TIAR, CINNA
- 3015': big 20" ASH

3169' = BC enters ^{tree} scrubber, dead SPR (one) OX, \$, SUG weakens but remains to top of Caudal. Transition forest.

- 3191': highest ASH (all lvs down)
- 3121': ASH with lvs. 3 OST.

(E) Caudal 3320': SUG to 24" with ^{with} Hydnum & Frohanna

(F) Col 3169 = SUG + B dom, + BC. Forest 35 to 40' tall. Trail 10 to 20 ft below crest on S or E end of Col. Brachelytrum.

(G) Camel's Hump 3540'.

- 3418 Scubart: MM. SUG still into 3500'.
- Thalic polyg & Athelip LAR in stepage.
- 3500 sign at 3495' (SUG end)
- Summit = 3 chemer dominate, none > 15 ft tall: BC, PIN, CMC + SORB, YB, \$, RS. VA to 10 ft x 2" DBH.

(H) Open area in col: 3460'

First FRS. SM, AA, Lyco annot & obs, Vace, S rug in fl

(I) Sugar grove (small): Smilaema, Dr. 1st PB (boxal): 3529

3563: transition ends, Spruce-fir begins. Scrubbiness of transition below.

(J) Thomas Cole Summit 3940'

Fir dom, PB, YB, SORB, Red SPR. Spruce healthy, some with cones, but not dom. Leaf fall 10/6/84: PB variable 20 to 80% down. SORB 50 to 90% down. PIN 90% down.

Crave? on mid-N face of Onteora (Pawker Mtn). See Hunter Quad 15' for base of crave between 2500 & 2600'

Location	UP				DOWN			
	p	Δp	Δelev	elev	p	Δp	Δelev	elev
Sugar Maples, Maplecrest Barnum Rd Trail Head	30.56			1760				1760
	30.19			2120				2120
	29.97	0		2270	29.92	0		2270 (2266)
Junction	29.83	0.14	120	2390	29.73	0.19	188	2458
	29.91	0.16	137	2407	29.62	0.30	297	2567
	29.66	0.31	265	2535				
	29.46	0.51	437	2707	29.48	0.44	436	2706
	29.29	0.68	582	2852	29.26	0.66	653	2923
	29.13	0.84	719	2989	29.19	0.73	723	2993
	29.10±	0.87	745	3015	29.06	0.86	851	3121
	28.92	1.05	899	3169	28.99	0.93	921	3191
Caudal col	28.85	1.12	959	3320	28.86	1.06	1050	3320
	28.92	1.05	899	3329				
	28.63	1.34	1148	3269				
3500 sign	28.54	1.43	1225	3418				
				3495				
Camel's Hump open area sub grave	28.51	1.46	1250	3540	28.48			3540
	28.56	1.41	1208	3478				
	28.50	1.47	1259	3529				
	28.46	1.51	1293	3563				
Thomas Cole	28.02	1.95	1670	3940	28.02			3940

$\Delta\text{elev } 3940 - 2270 = 1670'$
 $\Delta p \quad 29.97 - 28.02 = 1.95''$
 $\text{ratio: } \frac{1670}{1950} = 0.8564$

$\Delta\text{elev: } 3320 - 2270 = 1050'$
 $\Delta p: \quad 29.92 - 28.86 = 1.06''$
 $\text{ratio: } \frac{1050}{1060} = 0.99$

Check on elev. of Junction:

$\Delta\text{elev } \text{Thomas Cole} - \text{Sugar Maples, Maplecrest} = 3940 - 1760 = 2180'$
 $\Delta p \quad \text{Sugar Maples} - \text{T. Cole} = 30.56 - 28.02 = 2.54''$

} ratio = $\frac{2180}{2540} = 0.858$

Junction is $\Delta p \quad 30.56 - 29.97 = 0.59''$
 $0.59'' \Delta p$ corresponds to $590 \times 0.858 =$
 $506 \text{ ft } \Delta\text{elev.}$

Thus $1760 + 506 = 2266 \text{ ft. at Junction. Error 4 feet (only)!}$