

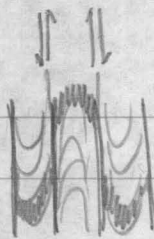
(?) - disbelief, (✓) agreement, (??) don't understand

→ INTEREST

001530

ANVIL PIT

① Behaves in slip folds.
= passive/flex/shear folds



= PASSIVE FOLDING (?)
TRANSPOSITION (S)
S₁ S₂

② D₂, D₃ produced slip folds. — D₃ only manifestly in final stages.

③ Has a D₂ crenulation developed ^{in response to} slip on S₁ early in D₂ i.e. DRAG FOLDS

(∴ Behaves in drag folds).

(all cross this way?)
INTRAFOLIAL SLIP.

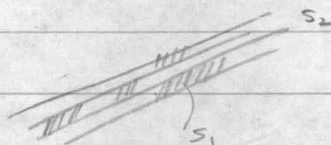


= ACTIVE FOLDING (?)

④ Has a constant ? S₁ DIP STEEPER THAN S₂

→

SW



NE

∴ Pit is on a ^{F₂} limb (??)
HOWEVER S₁ ONLY SEEN IN F₂ HINGERS

⑤ S₁ best preserved in calc-silicate gneiss + bi-ms-schist RATHER THAN PHYLLITE (?)

⑥ Bi + ms " suggest a wide range of formative meta'c conditions (gneiss + U-amphibolite facies). " (?)

⑦ Lithological contacts // S₂

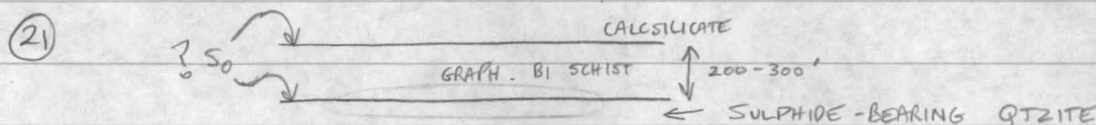
⑧ "Because of their mesoscopic scale, effects of these early deformations are not readily visible" (?)

⑨ Apparently ^{genetic} no relation between D₂ etc crenulations and S₂ etc. (?)

⑩ S₃ " began to act as the active plane of slip in F₃ folds. (cf ①)

⑪ " but movement ceased before true slip folds developed "

- ⑪ " Movement along S_3 emphasized the amplitude of the L_3 lineation " (???)
- ⑫ F_3 folds local (✓)
- ⑬ li, ms, growth on S_3
- ⑭ S_4 sub-vertical (Faro A+S asymmetric to South?)
- ⑮ F_4 folds D_3 fabric (i.e. S_3)
- ⑯ D_4 thrusting along S_2 to the NE?
- ⑰ D_4 bedding // F_4
- ⑱ li growth of S_4
- ⑲ D_5 local (✓)
- F_5 associated with normal faulting - NW " " ? (✓)
- ⑳ Fl65 L_2 crenulation lineation on S_2 (?)



GRID

- ⑳ " Since the li-ms-schist is exposed in the core of the Anvil arch, it is considered the oldest unit on the grid "
- ㉑ Marbles, 50-150' thick, in calc-silicate gneiss, 1000' long?
- ㉒ Fine dk green amphibolites intrusive into calc-sil gneiss
DEFORMATIONAL HISTORY?
- ㉓ S_1 best in the phyllite this time
- ㉔ F_2 generally symmetrical (?) (between S_2 crenulation cleavages?)
- ㉕ Size of F_2 folding apparently dependant on outcrop size
- ㉖ where S_1 is planar + constant, it has sub vertical dip — indicating SW NE for large scale F_2 style?

(29) $F_2 \sim 120 - 140 - 150$ shallow double plunge.

(30) $S_2 \neq S_0, S_1$ in phyllites.

→ (31) F_3 genetically assoc'd with batholith?
but earlier than.

(32) F_4 cut by batholith (??)

(33) $F_5?$ - Warps in $S_2 \sim // F_5$ but ... (✓)
(i.e. Dave doesn't believe in $F_5?$) (?)