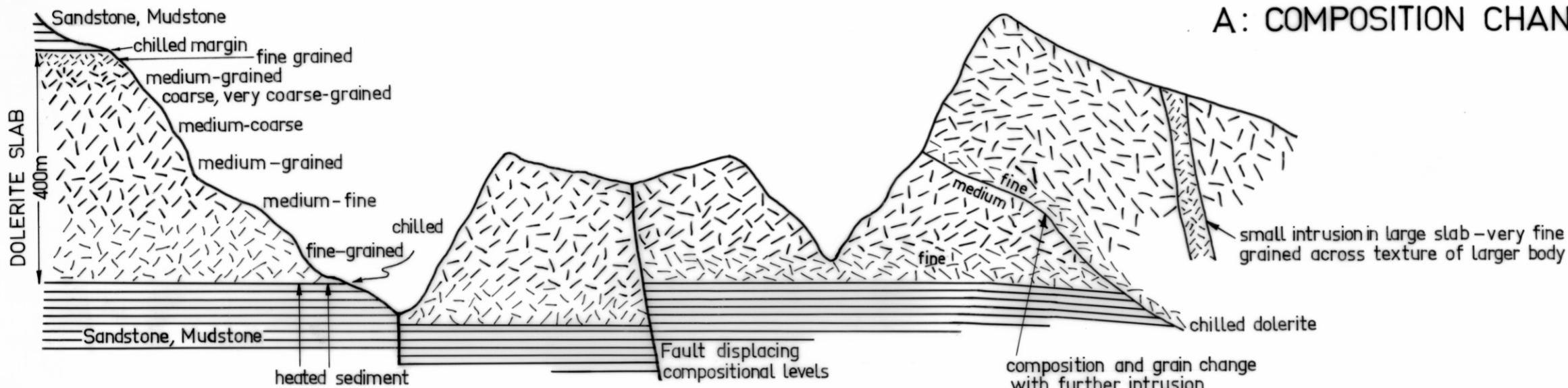
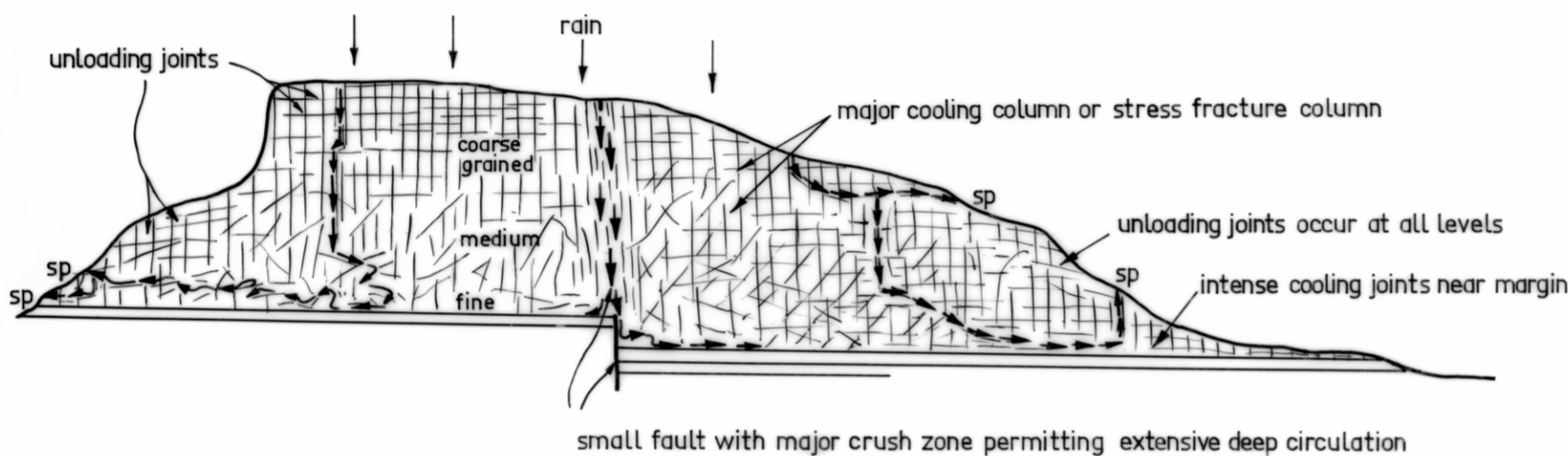


5 cm

A: COMPOSITION CHANGES

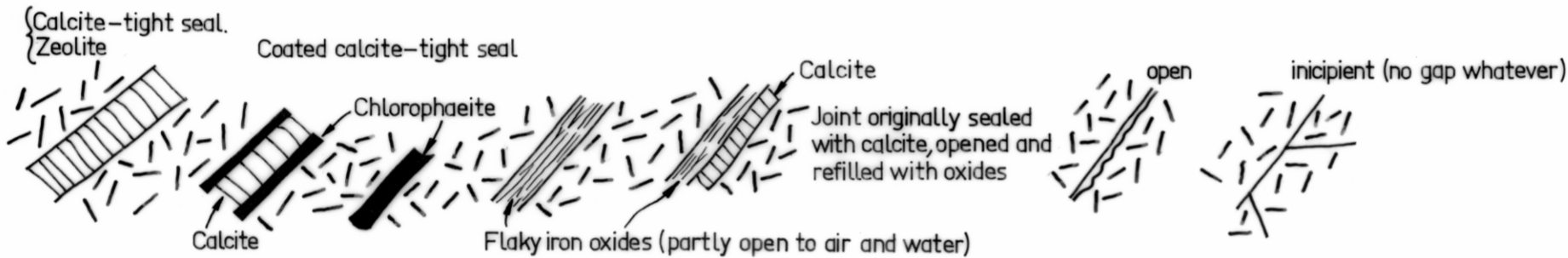


B: JOINTING & WATER TRANSFER

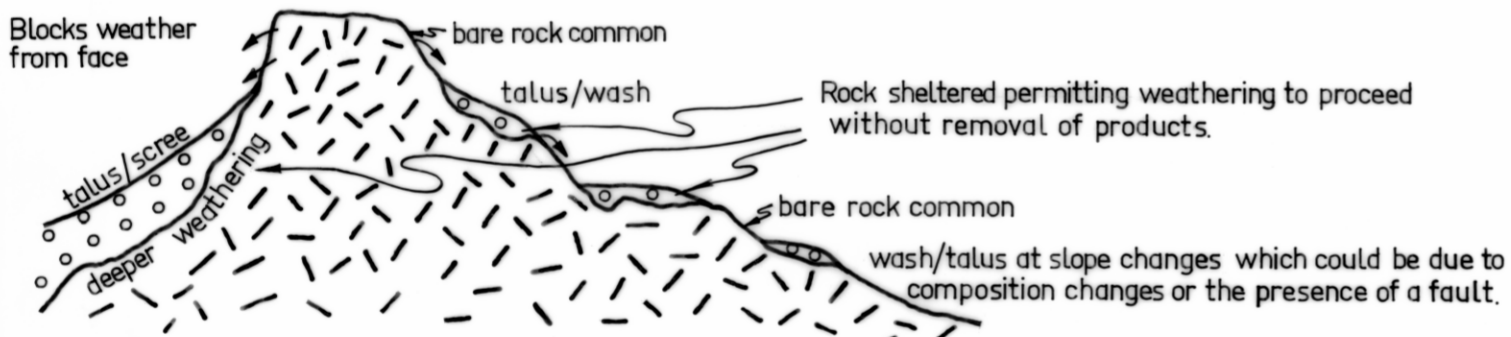


Springs may occur where a continuous fracture system with a water supply reaches the surface. Water may circulate to great depth, or alternatively be restricted to small fracture systems depending on openness, scale and continuity of joints.

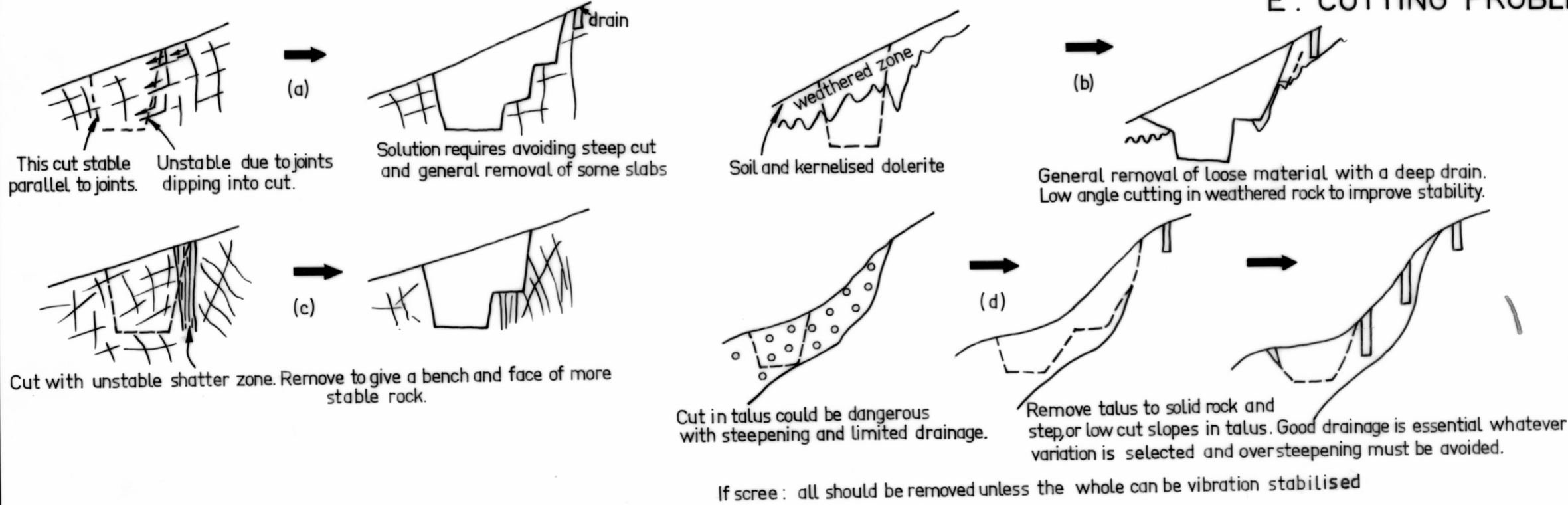
C: DEGREE OF JOINT OPENNESS



D: TOPOGRAPHIC EFFECTS



E: CUTTING PROBLEMS



DOLERITE-ENGINEERING PROPERTIES

GEOLOGIST : D. E. LEAMAN

Drawn : H. Mackinnon

FIG.46