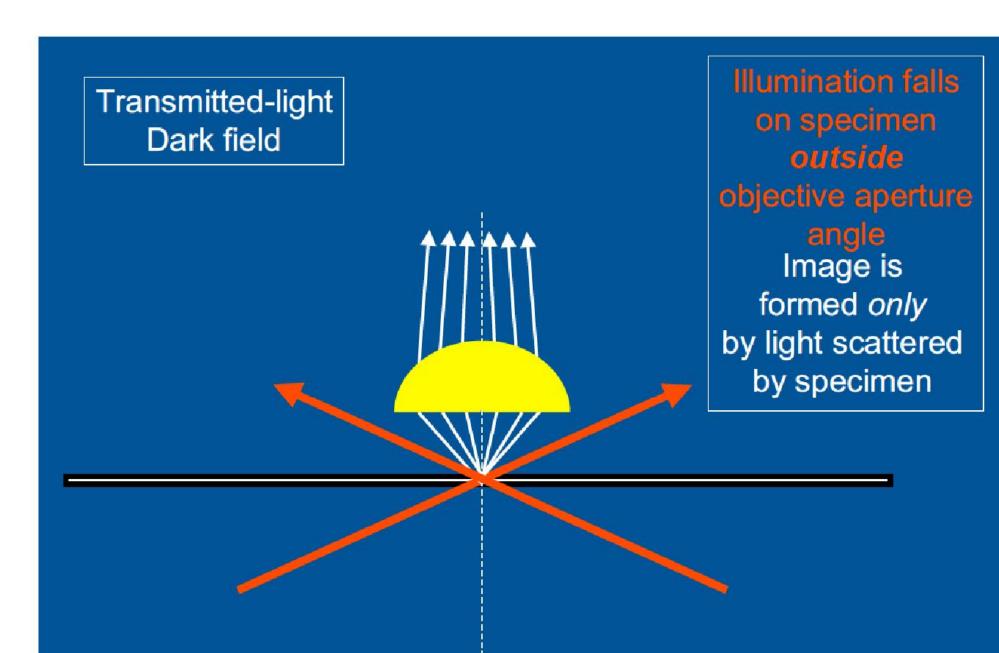
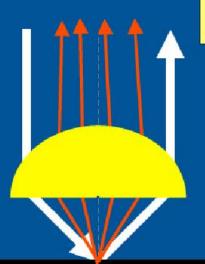


Image formed from illumination which enters within objective aperture angle

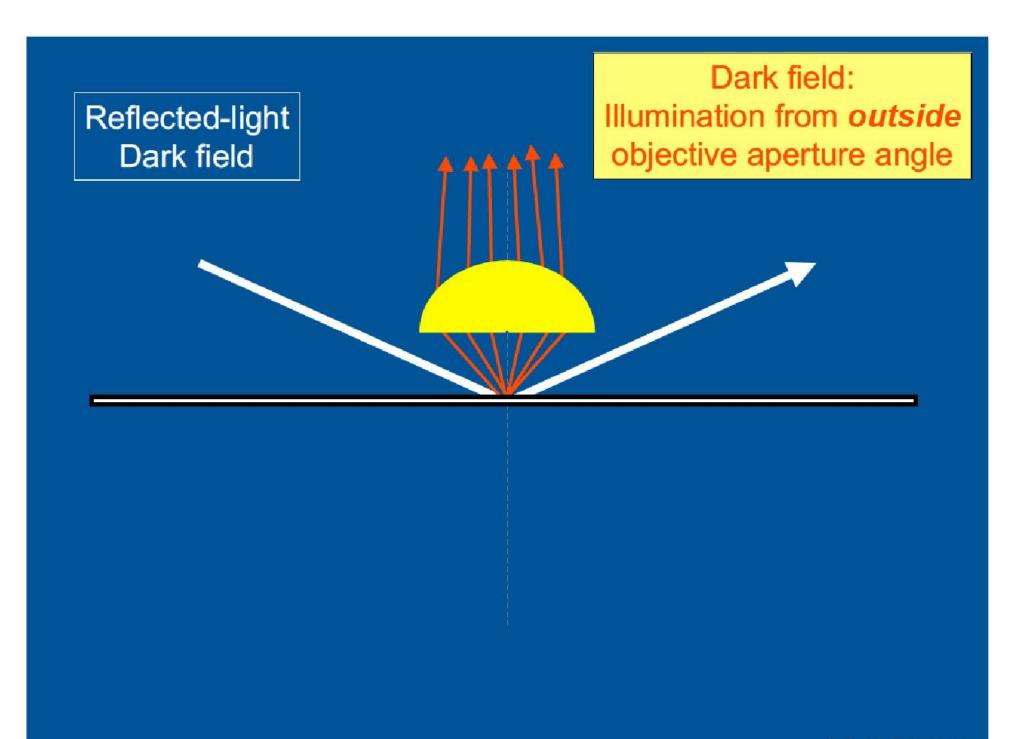
together with light scattered by specimen

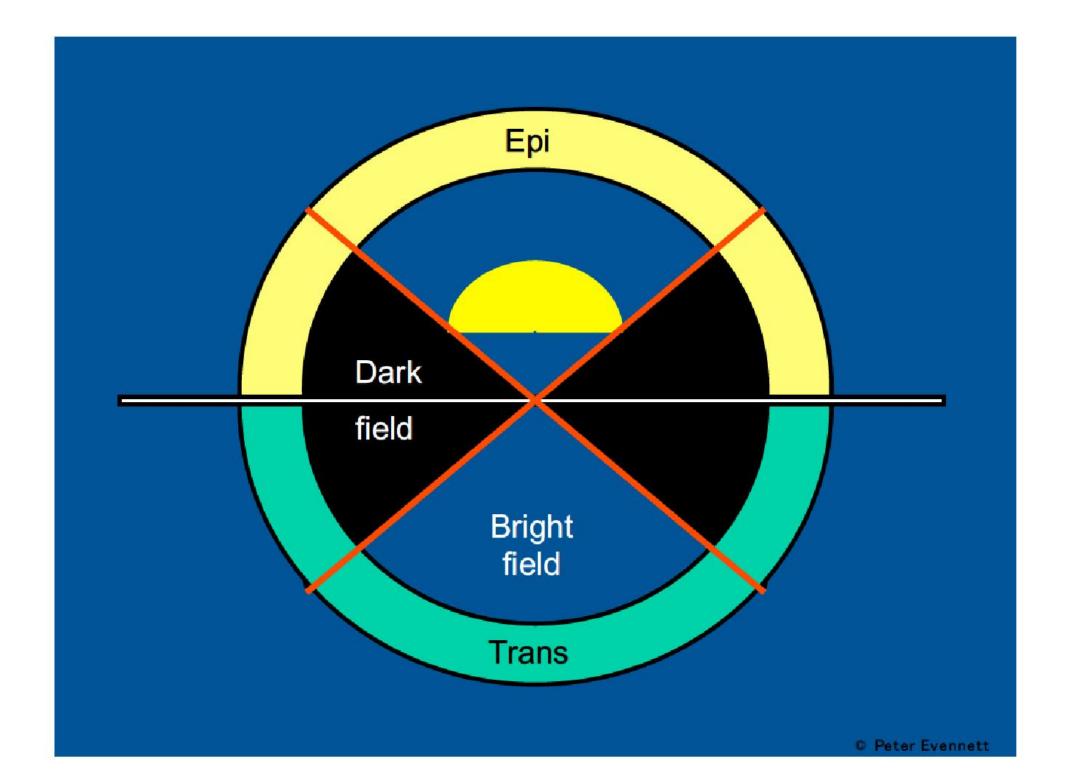


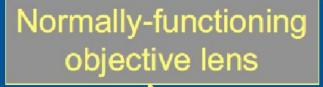
Reflected-light Bright field



Bright field:
Illumination from within
objective aperture angle



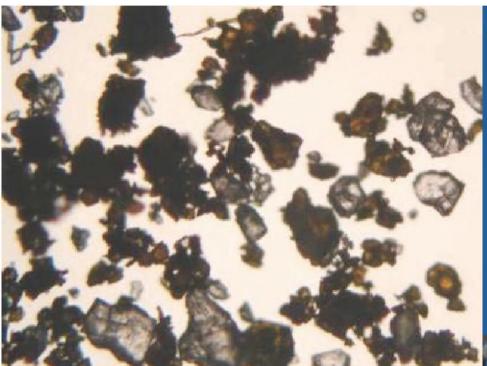




Surround with reflecting end delivering light at oblique angle on to surface of specimen

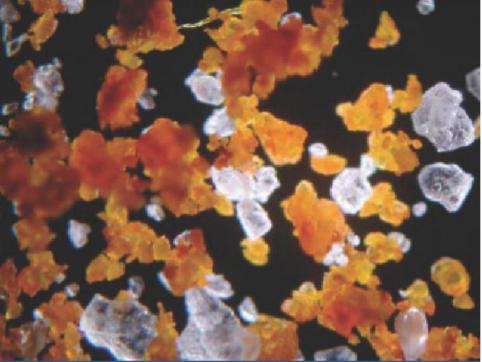






Transmitted-light Bright field

Reflected-light Dark field



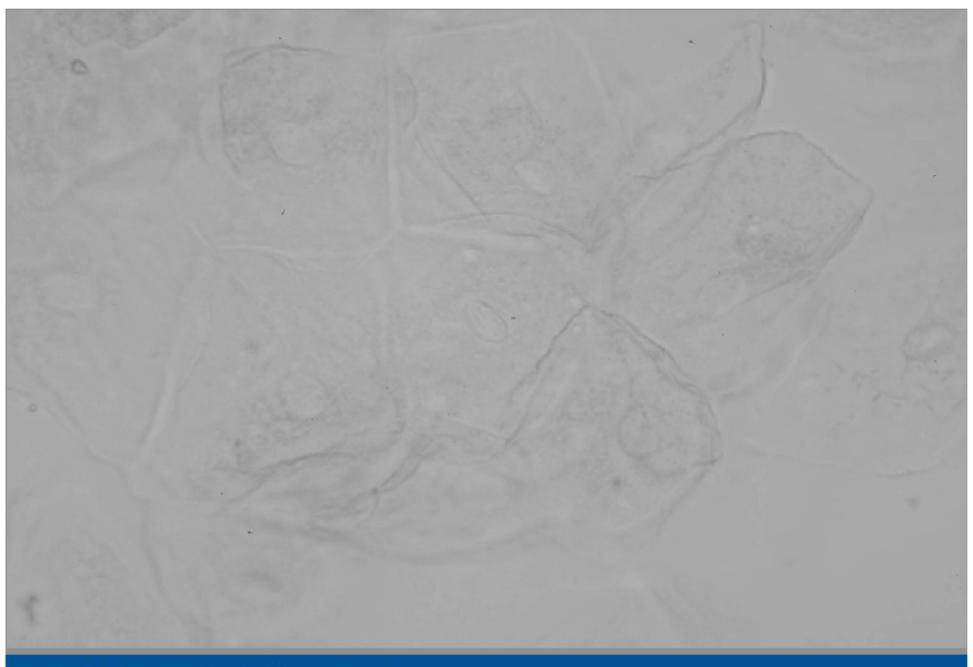
Stage Stage

Fig. 62. Oblique Light with a Condenser. (From Chamot).

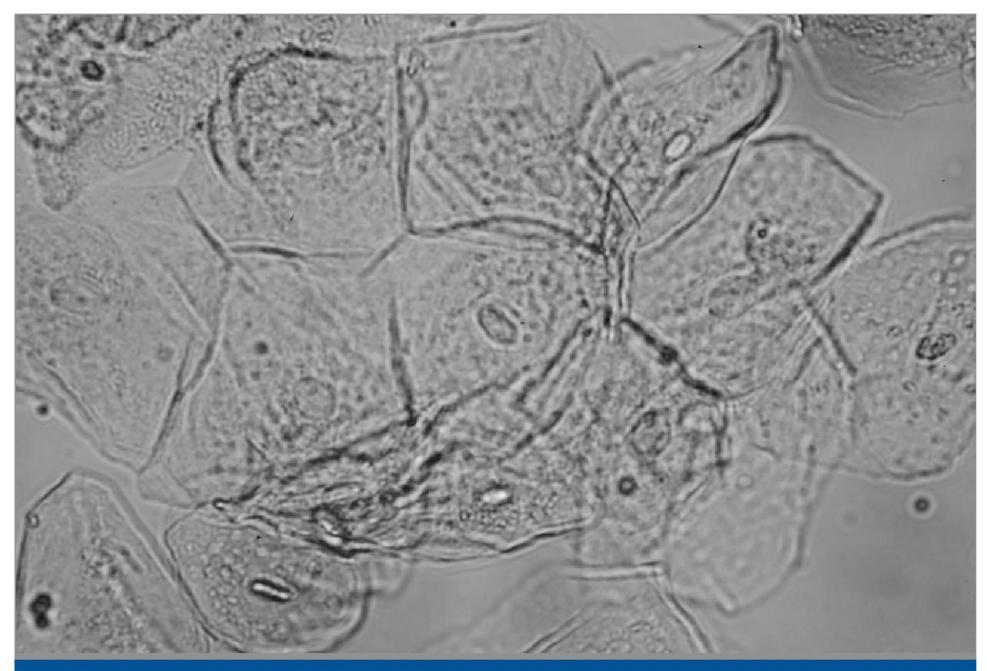
'Digital' oblique illumination

- ie using your finger!

A 'no-cost' option for most microscopes



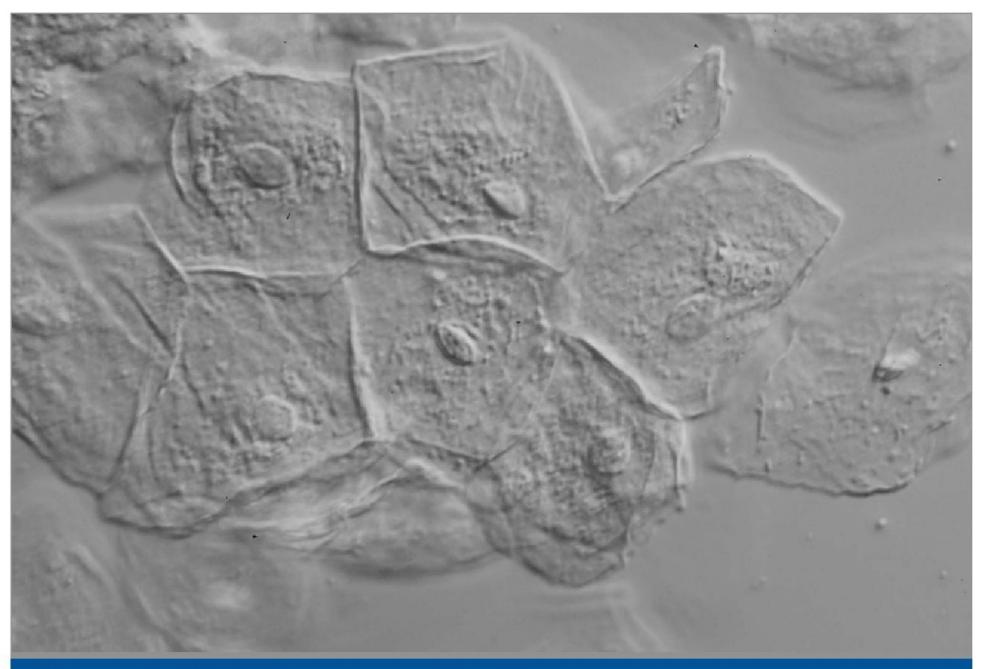
Bright field, full illuminating aperture



Bright field, small illuminating aperture



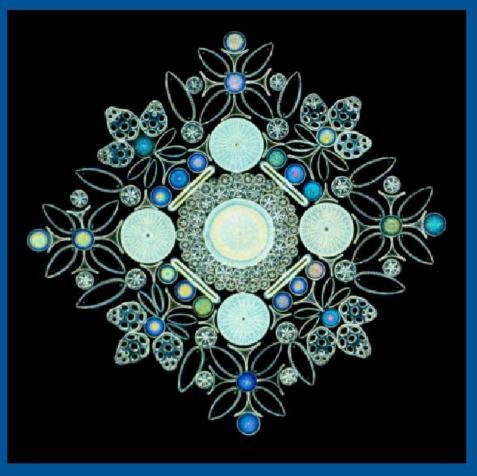
Phase contrast



Differential interference contrast

Diatom arrangement: transmitted-light

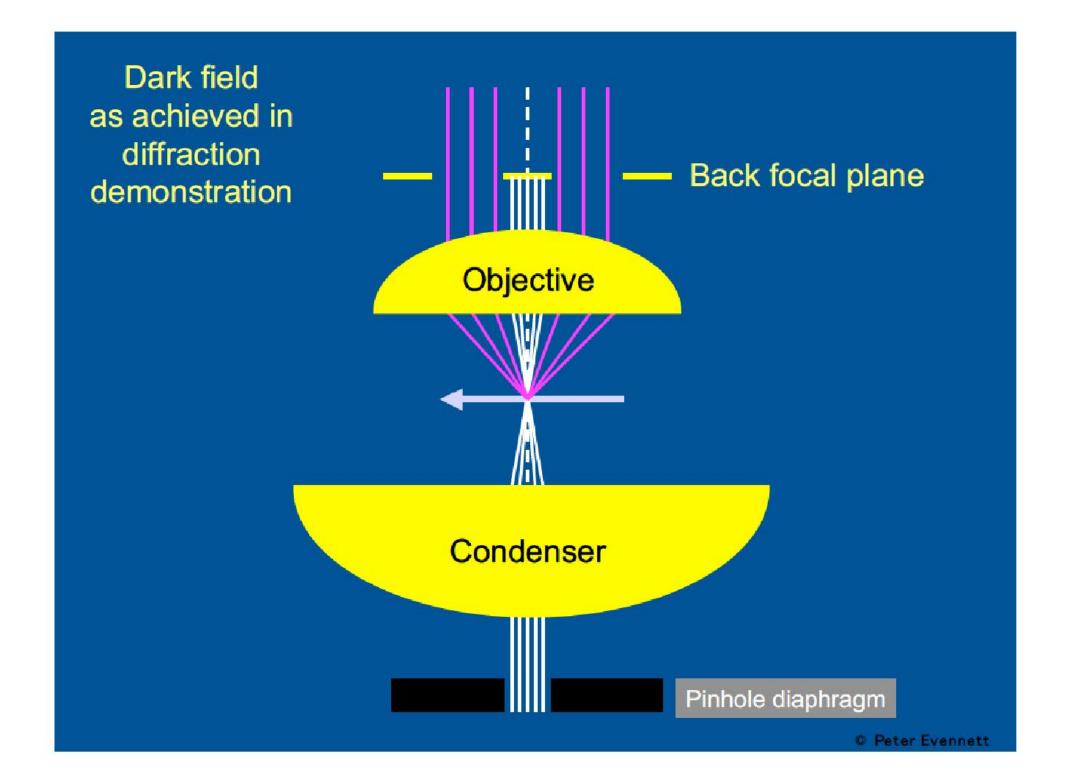


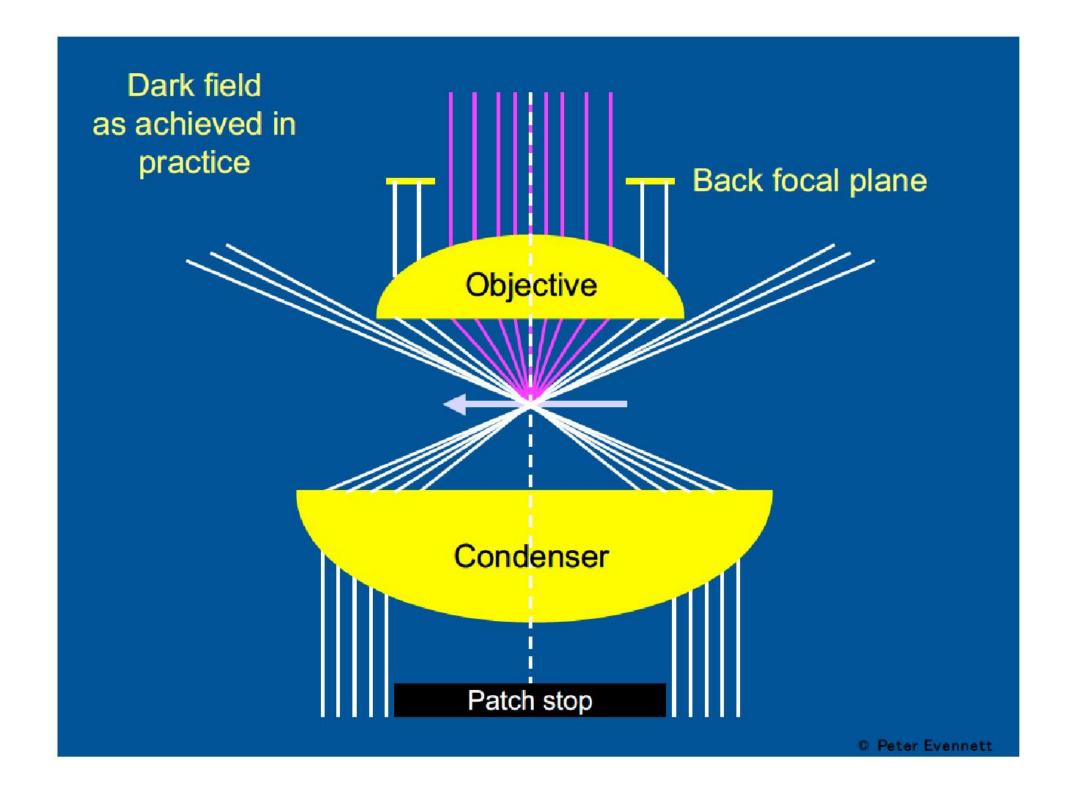


Bright field

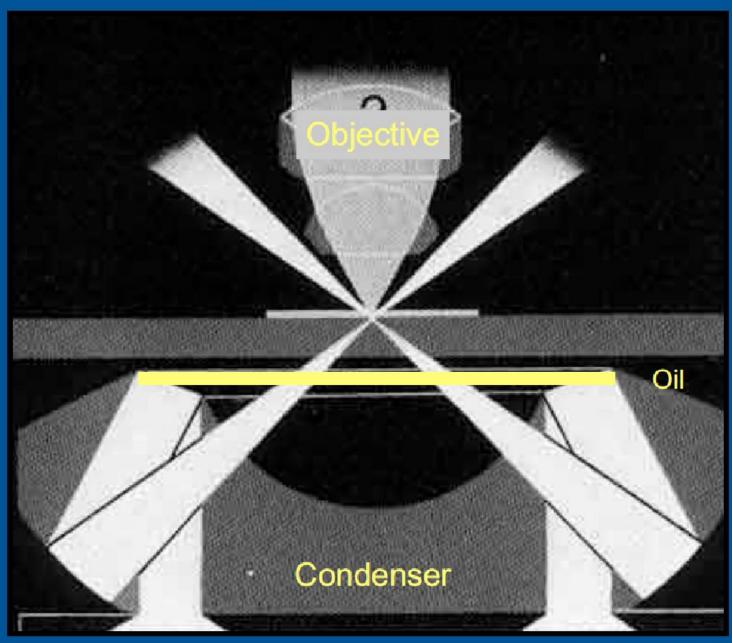
Dark field

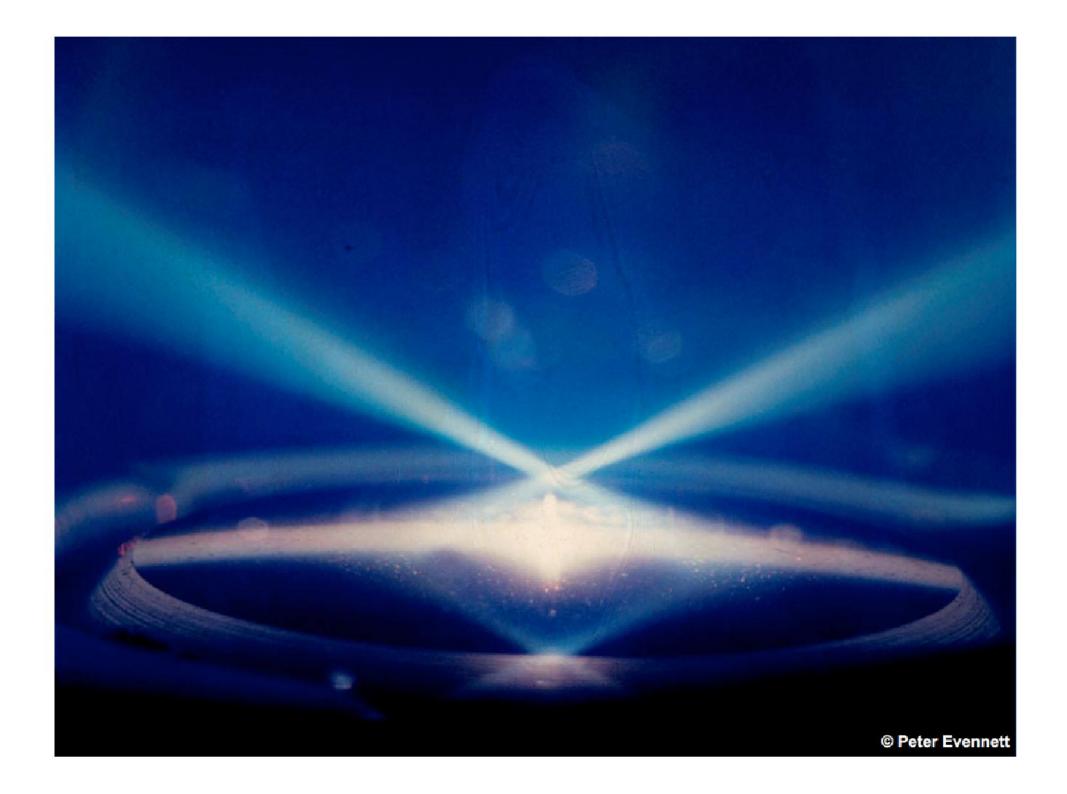






Dark field condenser operating by reflection





Diatoms: Rheinberg illumination



