



**Fig 6. Comparable assemblages of polished stone tools - originals, replica production and use**

- 1 work stress of stone axe replicas when cutting down trees, very demanding steep cuts
- 2 work stress of stone axes when working marble
- 3 different deformation of the cutting edge created by strong hits on the stone
- 4 In the Research institute of materials Předměřice nad Labem the axe was broken by force of 3.4 tonne
- 5 Damage to cutting edges of axes while cutting trees
- 6 Pecking of querns with a hammerstone from metabasite
- 7 Re-knapping of a damaged axe, 'old collection'
- 8 Rough-out knapped from a round stone, Neolithic settlement Obědovice
- 9 Experiment of P. Zítka and R. Tichý with repairs of a damaged cutting edge; on the right flakes with one polished side, left – even with repair there is a large amount of unpolished flakes

Unless stated otherwise photos R. Tichý, for the pdfs: Image prepared by O. Štulc from photos by R. Tichý