

BONE - special connective tissue

BONE

FUNCTIONS

- soft tissue mechanical support, protection
- levers in musculoskeletal system
- Ca reservoir

CELLS

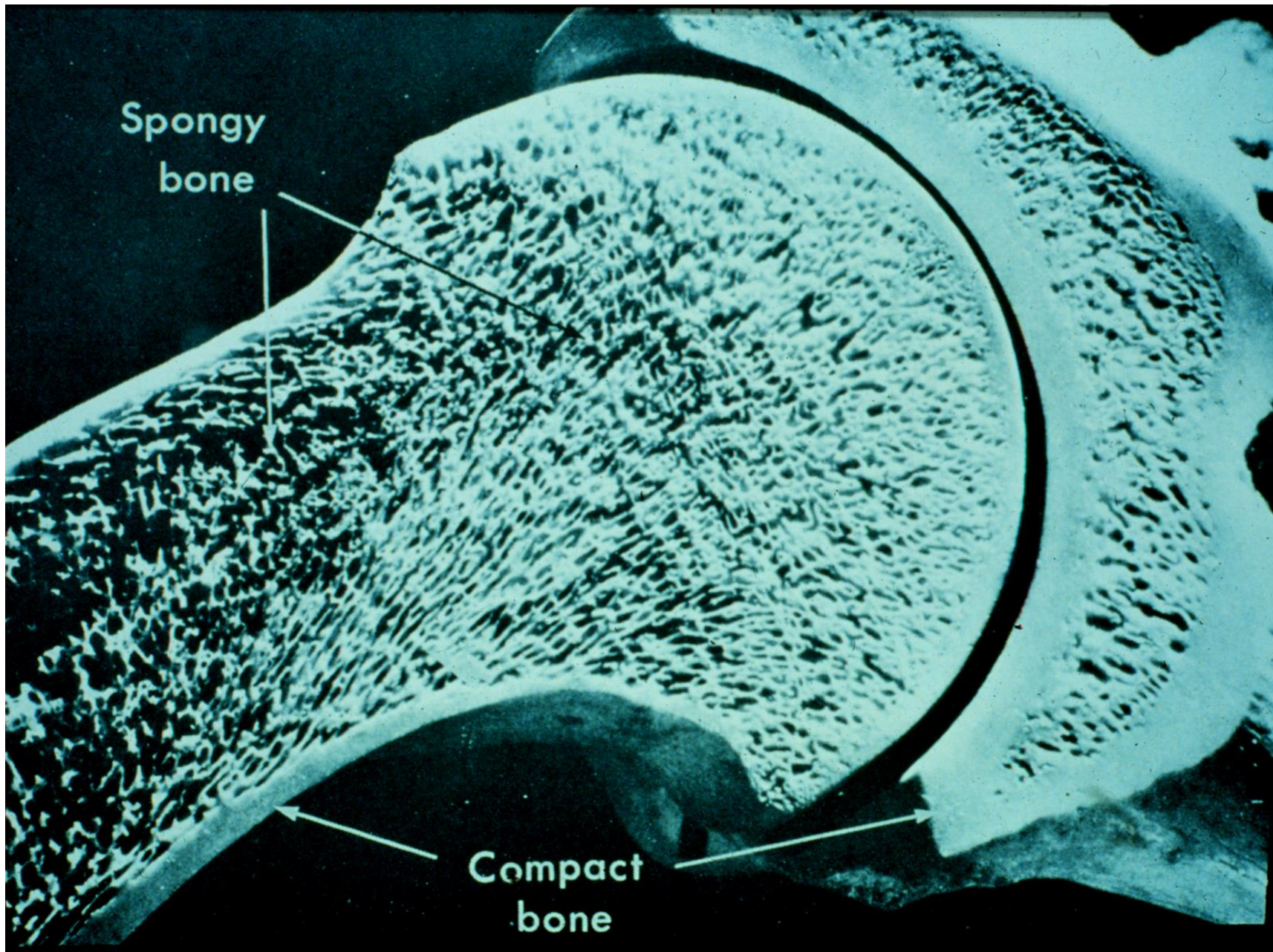
- osteoblasts
- osteocytes
- osteoclasts

MATRIX

- osteoid – organic
- mineral

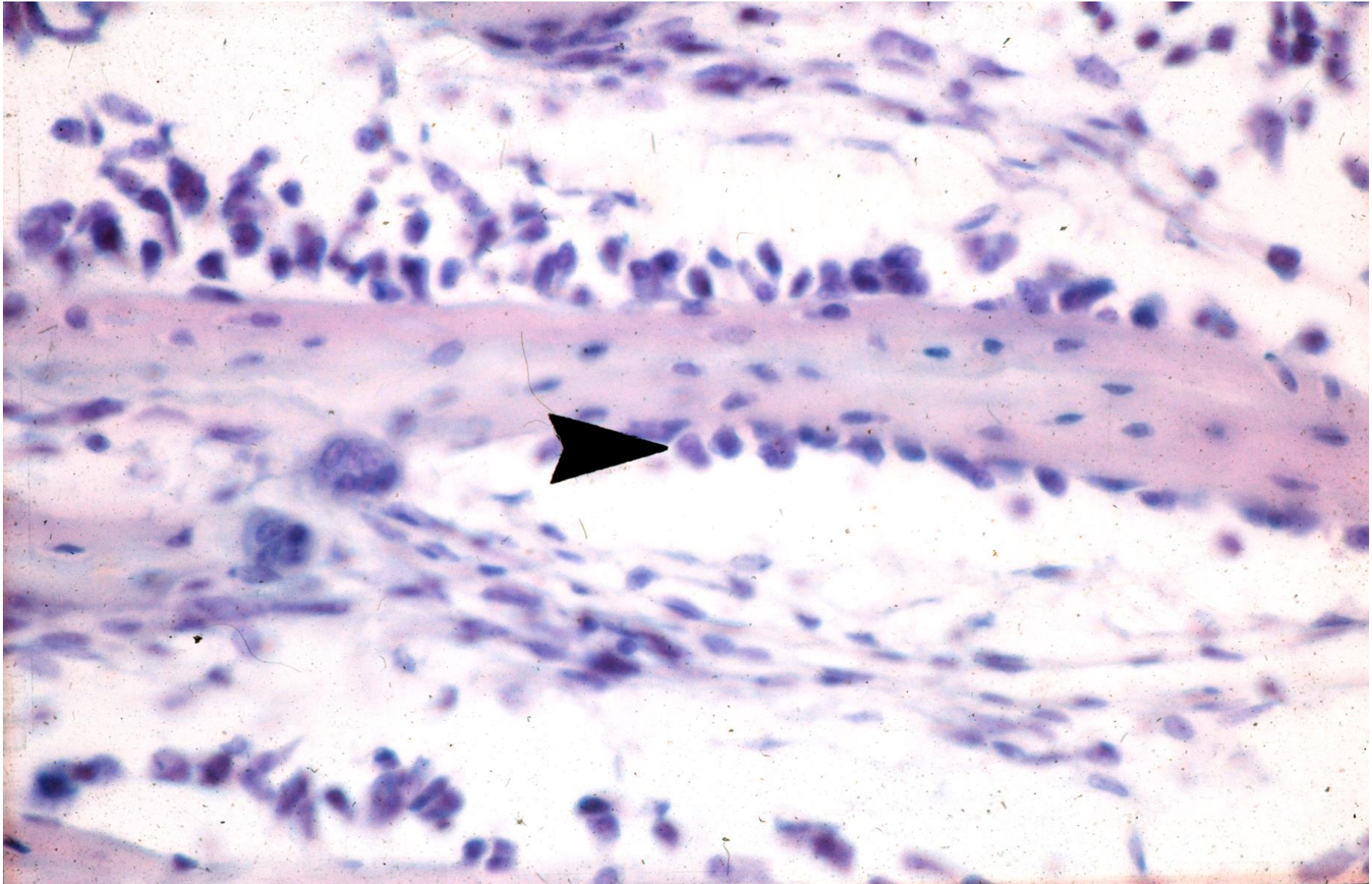
LAMELLAR BONE STRUCTURE

- Compact bone
 - osteon = Haversian system
- Cancellous bone = spongy
- Connective tissue
 - periostium
 - endostium

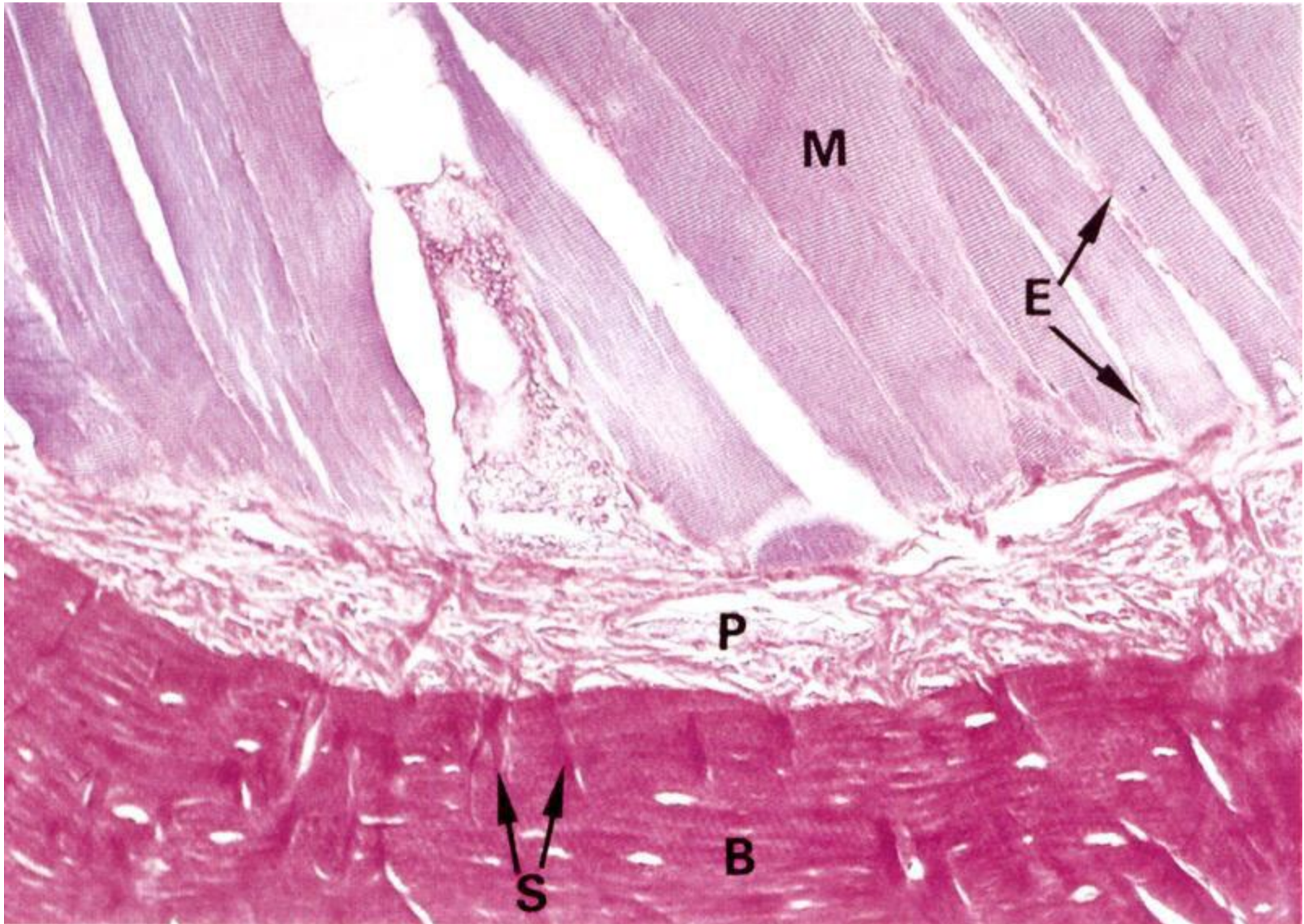


ANATOMY AND NEUROBIOLOGY SLIDE COLLECTION

OSTEOBLASTS (arrow) ON DEVELOPING BONE



SHARPEY'S FIBRES (S) ATTACH PERIOSTIUM TO BONE



from Young & Heath, Fig. 10-11

Bone lecture text figure list

8-3, 8-2, 8-5, 8-6, 8-7, 8-1, 8-9, 8-10