Since the crystallite ghosts appear to be slightly narrower than the crystallites, it is possible that the mineral surrounds the organic material rather than being embedded by it. The dimensions of the organic crystallite ghosts and their reaction with chromium would suggest that they may represent a protein-polysaccharide complex similar to the model proposed by Mathews and Lozaityte (1958).

References

- Appleton, J., Blackwood, H. J. J.: Ultrastructural observations on early mineralization in cartilage. *J. Bone Jt Surg.* B51, 385 (1969) (Abstract).
- Bonucci, E.: Fine structure of early cartilage calcification. *J. Ultrastruct. Res.* 20, 33—50 (1967).
- Further investigation on the organic inorganic relationships in calcifying cartilage. *Calc. Tiss. Res.* 3, 38—54 (1969).
- Kühn, K.: Über die Ausbildung einer hochunterteilten Querstreifung des Kollagens nach Gerben mit Phosphorwolframsäure und basischen Chromsalzlösungen. *Leder* 9, 217—221 (1958).
- Mathews, M. B., Lozaityte, I.: Sodium chondroitin sulphate-protein complexes of cartilage I. Molecular weight and shape. *Arch. Biochem.* 74, 158—174 (1958).
- Palade, G. E.: A study of fixation for electron microscopy. *J. exp. Med.* 3, 284—298 (1952).
- Sundström, B.: A new technique for decalcifying thin ground specimens of adult human enamel. *Arch. oral Biol.* 2, 1221—1231 (1966).
- Zelander, T.: Routine decalcification of thin sawed sections of adult human enamel by means of a basic chromium (III) sulphate solution of stable pH. *Odont. Revy* 19, 249—263 (1968).
- Takuma, S.: Electron microscopy of the developing cartilagenous epiphysis. *Arch. oral Biol.* 2, 111—119 (1960).
- Zobel, C. R., Beer, M.: The use of heavy metal salts as electron stains. *Int. Rev. Cytol.* 18, 363—369 (1965).

Errata

John J. Reynolds and John T. Dingle „A Sensitive in vitro Method for Studying the Induction and Inhibition of Bone Resorption“.

Vol. 4, pp. 339—349 (1970).

On page 344, the 3 first lines after Table 4 must appear after the 4th line in the paragraph „Influence of Calcitonin...“.

J. J. Reynolds, C. Minkin, and J. A. Parsons „The Response of Mouse Bones to Calcitonin Preparations from Different Species“.

Vol. 4, pp. 350—358 (1970)

The 4th line on p. 356 must appear after the 6th line.