

Computer reconstructions of trilobites: a practical example

W.D. Boyce

*Newfoundland Department of Mines and Energy, Geological Survey Branch, P.O. Box 8700,
St. John's, Newfoundland A1B 4J6, Canada*

Poulsen and Anderson (1975; plate 1, figs. 4-10) illustrated the trilobite *Paradoxides* sp. from the Manuels River Formation. They suggested that it was possibly synonymous with *Paradoxides forchhammeri* Angelin, 1851, but considered their material insufficient for a specific assignment. A

computer-assisted reconstruction (Fig. 1) of their largest cranidium (Poulsen and Anderson, 1975; plate 1, fig. 4) indicates that they were overly cautious in their taxonomic assessment; their material can confidently be assigned to *Paradoxides forchhammeri* Angelin, 1851 (Fig. 2).

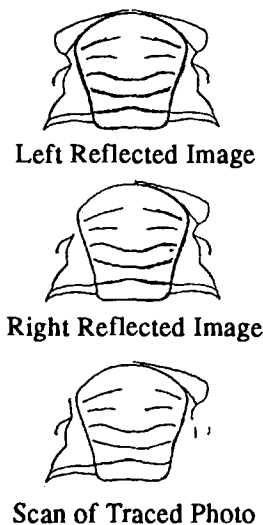


Fig. 1. Three-stage computer assisted reconstruction of *Paradoxides* sp. cranidium of Poulsen and Anderson (1975; plate 1, fig. 4).

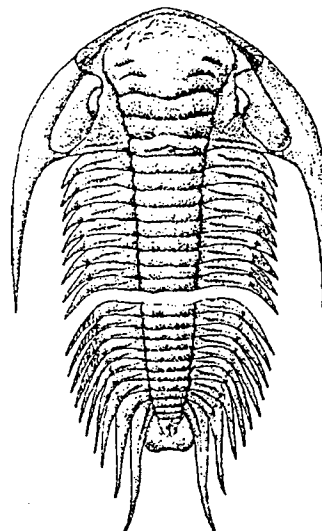


Fig. 2. Reconstruction of *Paradoxides forchhammeri* Angelin, 1851 (from Bergstrom and LeviSetti, 1978, page 20, fig. 7D).