



Duplophyllum (1,2) Timorphyllum (3)

Explanation of Plate 5.

All figures 3 times natural size.

Duplophyllum septarugosum, n. sp., upper 400 feet of Leonard series, Middle Permian, at Clay Slide, 2 miles west of Iron Mountain, Glass Mountains, Texas.

1a-e—Type specimen (Univ. Kansas no. 74145). **a**, Longitudinal section of uppermost part of corallite. **b**, Longitudinal sections of lower portion. **c-e**, Transverse sections.

2—Transverse sections of specimen (Univ. Kansas no. 74146).

Timorphyllum simulans, n. sp., Leonard series, Middle Permian, saddle north of Leonard Mountain, Glass Mountains, Texas.

3a-c—Type specimen (Univ. Kansas no. 74163). **a**, Longitudinal section. **b-c**, Transverse sections.

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