



PLATE 1

Explanation of Plate 1

All figures 2.5 times natural size.

*Lophophyllidium dunbari*, n. sp., Florena shale member, Beattie limestone, Council Grove group, Wolfcamp series, Lower Permian, Grand Summit, Cowley County, Kansas.

**1a-e**—Transverse sections of specimen (Univ. Kansas no. 24841).

**2a-d**—Type specimen (Univ. Kansas no. 23301). **a**, Longitudinal section. **b-d**, Transverse sections.

**3a-d**—Specimen (Univ. Kansas no. 24842). **a**, Longitudinal section. **b-d**, Transverse sections.

**4a-d**—Transverse sections of specimen (Univ. Kansas no. 23303).

**5a-c**—Transverse sections of specimen (Univ. Kansas no. 23304).

*Malonophyllum kansasense*, n. sp., Florena shale member, Beattie limestone, Council Grove group, Wolfcamp series, Lower Permian.

**6a-d**—Specimen (Univ. Kansas no. 24843) from Grand Summit, Cowley County, Kansas. **a**, Longitudinal section. **b-d**, Transverse sections.

**7a-d**—Type specimen (Univ. Kansas no. 23291) from along highway east of county line, near Grand Summit, Cowley County, Kansas. **a**, Longitudinal section. **b-d**, Transverse sections.

**8a-d**—Specimen (Univ. Kansas no. 21941) from road cut on highway in sec. 15, T. 31 S., R. 8 E., Cowley county, Kansas. **a**, Longitudinal section. **b-d**, Transverse sections.

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