



PLATE 1

Explanation of Plate 1

(All figures 3 times natural size. In each transverse section the counter septum is placed at the top.)

Lophophyllidium proliferum (McChesney), beds over coal no. 8, Trivoli cyclothem, Missouri series, Pennsylvanian, near Springfield, Illinois.

- **1a-c**--Specimen (Illinois Geol. Survey and State Museum no. W4064b). **a**, Longitudinal section. **b-c**, Transverse sections.
- **2a-f**--Specimen (Univ. Kansas no. 4761-21a). **a**, Longitudinal section containing counter septum. **b**, Longitudinal section containing cardinal septum. **c-f**, Transverse sections.
- **3a-e**--Type specimen (Illinois Geol. Survey and State Museum no. W4064-a). **a**, Longitudinal section. **b-e**, Transverse sections.

Lophophyllidium profundum (Edwards and Haime)?, recorded as questionably from the Lower Mercer limestone, lower Pottsville, Pennsylvanian, from northeastern Muskingum county, Ohio.

- **4a-d**--Transverse thin sections of specimen (Ohio State Univ. no. 17850).

Lophophyllidium confertum, n. sp., Lester limestone, Dornick Hills group, of Lampasas age, Pennsylvanian, southeast of Ardmore, Oklahoma.

- **5a-d**--Type specimen (Univ. Kansas no. 6806-21c). **a**, Longitudinal section. **b-d**, Transverse sections.
- **6**--Transverse section of specimen (Univ. Kansas no. 6806-21b).
- **7a, b**--Transverse section of specimen (Univ. Kansas no. 6806-21a).

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