



Explanation of Plate 1

All illustrations on this plate are unretouched photographs.

Figures 1-9--*Millerella marblensis* Thompson

1, Oblique sagittal section, x75; **2, 7**, tangential sections, x70; **3, 5, 8**, axial sections, x75; **4**, sagittal section, x75; **6**, tangential section, x75; **9**, illustration of the same axial section as 8 but having the magnification at which most larger fusulinids are generally illustrated, x10. Upper part of the Brentwood limestone member of the Bloyd shale.

Figures 10-14, (?)16, 17--*Millerella? advena*, n. sp.

10, Axial section of the holotype, x70; **11**, sagittal section, x70; **12**, oblique tangential section, x75; **13**, sagittal section, x75; **14**, tangential section, x70; **16**, axial section of a specimen referred to this species with question, x75; **17**, axial section, x75. The specimens of figure 10, 11, 13, 14, and 16 are from the upper part of the Brentwood limestone member of the Bloyd shale, and those of figures 12 and 17 are from about 25 feet below the top of the Kearny formation.

Figures 18-20--*Millerella pinguis*, n. sp.

18, Axial section of the holotype, x75; **19**, tangential section of a paratype, x75; **20**, sagittal section of a paratype, x75. The holotype is from the Brentwood limestone member of the Bloyd shale, and the two illustrated paratypes are from 55 to 58 feet below the top of the Kearny formation.

Figures 21, 22, (?)15--*Millerella? advena* var. *ampla*, n. var.

21, Axial section of the holotype from about 45 feet below the top of the Kearny formation, x75; **22**, sagittal section of a paratype from about 45 feet below the top of the Kearny formation, x75; **15**, sagittal section of a specimen from the Brentwood limestone member of the Bloyd shale that is being referred with question to this species, x75.