PLATE 2

Common Late Eocene Larger Foraminifera of Florida

Late Eocene larger foraminifera are found in the upper Ocala Limestone, which is well exposed in the northern peninsula and eastern panhandle.

Family Acervulinidae Schultze, 1854

A, B) ***Sphaerogypsina globulus*** (Reuss, 1848); Whole and broken (showing internal chambers) tests, respectively; Little Stave Creek, Clarke County, Alabama; Moodys Branch Formation; 32x.

Family Amphisteginidae Cushman, 1927

C, D) ***Amphistegina pinarensis cosdeni*** Applin & Applin, 1944; Dorsal and lateral view of tests, respectively; Williston, Levy County; Ocala Limestone; 34x.

Family Lepidocyclinidae Scheffen, 1932

E, F) ***Lepidocyclina (Lepidocyclina) ocalana*** Cushman, 1920; Large, whole test and equatorial view of test, respectively; Brooks and Campbellton quarries, respectively, Jackson County; Ocala Limestone; 1x and 23x, respectively.

(Late Eocene species continued on Plates 3 and 4)

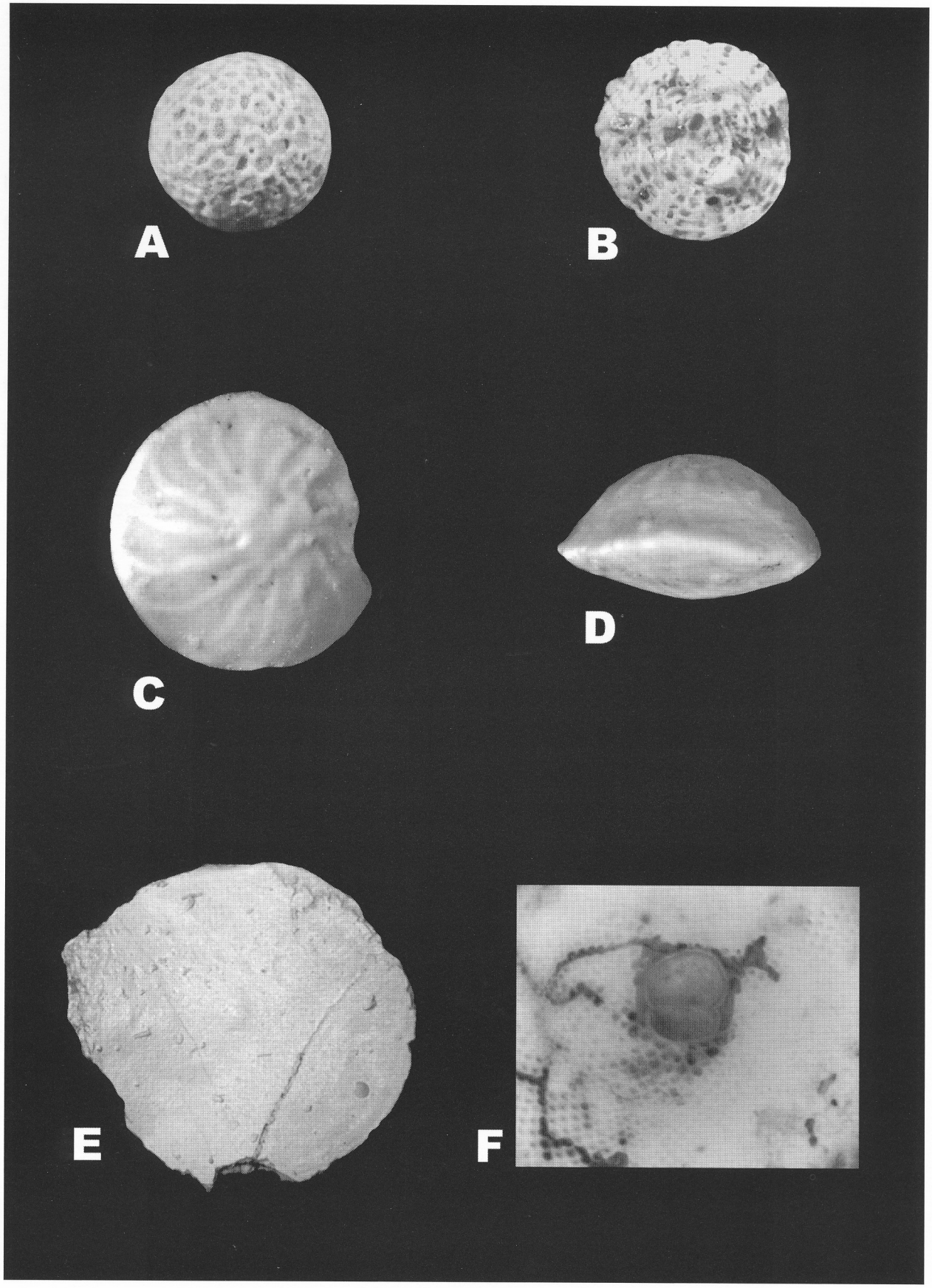
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PLATE 3

Common Late Eocene Larger Foraminifera of Florida

Family Nummulitidae de Blainville, 1827

A, B) ***Nummulites floridensis*** (Heilprin, 1885); Lateral and equatorial (showing internal septa and chambers) views, respectively; Brooks Quarry, Jackson County; Ocala Limestone; 13x.

C, D) ***Nummulites mariannensis*** (Vaughan, 1928); Cambellton Quarry, Jackson County; Ocala Limestone; 31x.

E, F) ***Nummulites willcoxi*** Heilprin, 1882; Equatorial view (showing internal septa and chambers) and whole test, respectively; Steinhatchee, Dixie County; Ocala Limestone; 12.5x.

G) ***Heterostegina ocalana*** Cushman 1921; Mayo Quarry, Lafayette County; Ocala Limestone; 14x.

(Late Eocene species continued on Plate 4)

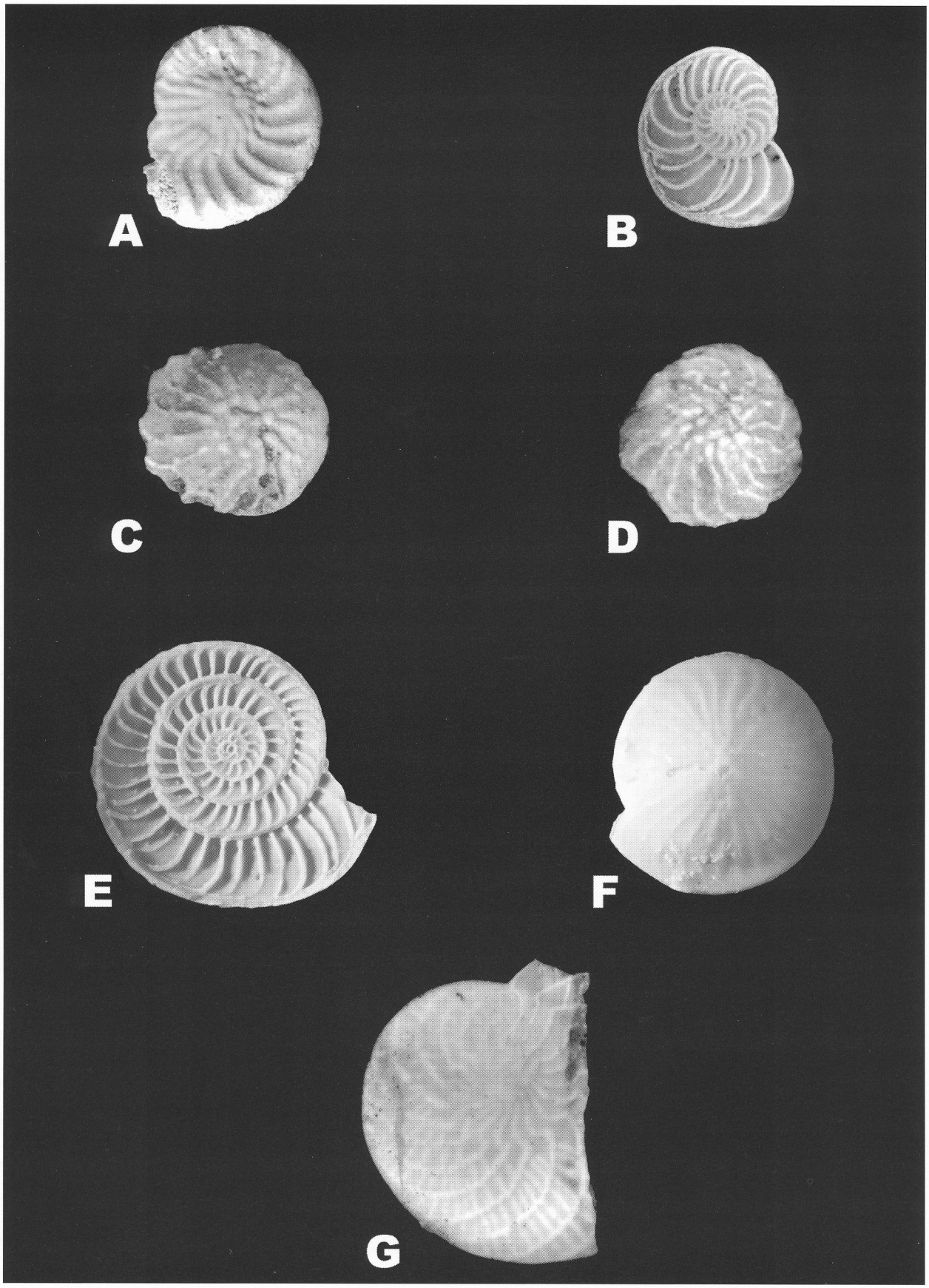
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PLATE 4

Common Late Eocene Larger Foraminifera of Florida

Family Asterocyclinidae Bronnimann, 1951

A) ***Asterocyclina americana*** (Cushman, 1918); Brooks Quarry, Jackson County; Ocala Limestone; 3.5x.

B) ***Asterocyclina chipolensis*** (Vaughan, 1928); Campbellton Quarry, Jackson County; Ocala Limestone; 21x.

C) ***Asterocyclina georgiana*** (Cushman, 1918); Brooks Quarry, Jackson County; Ocala Limestone; 5.5x.

D) ***Asterocyclina mariannensis*** (Cushman, 1918); Campbellton Quarry, Jackson County; Ocala Limestone; 3.5x.

E) ***Asterocyclina nassauensis*** (Cole, 1944); Dowling Park Quarry, Lafayette County; Ocala Limestone; 25.5x.

F) ***Pseudophragmina flintensis*** (Cushman, 1918); Test showing concentric ridges of papillae; Brooks Quarry, Jackson County; Ocala Limestone; 15x.

G) ***Pseudophragmina floridana*** (Cushman, 1918); Haile Quarry, Alachua County; Ocala Limestone; 15x.

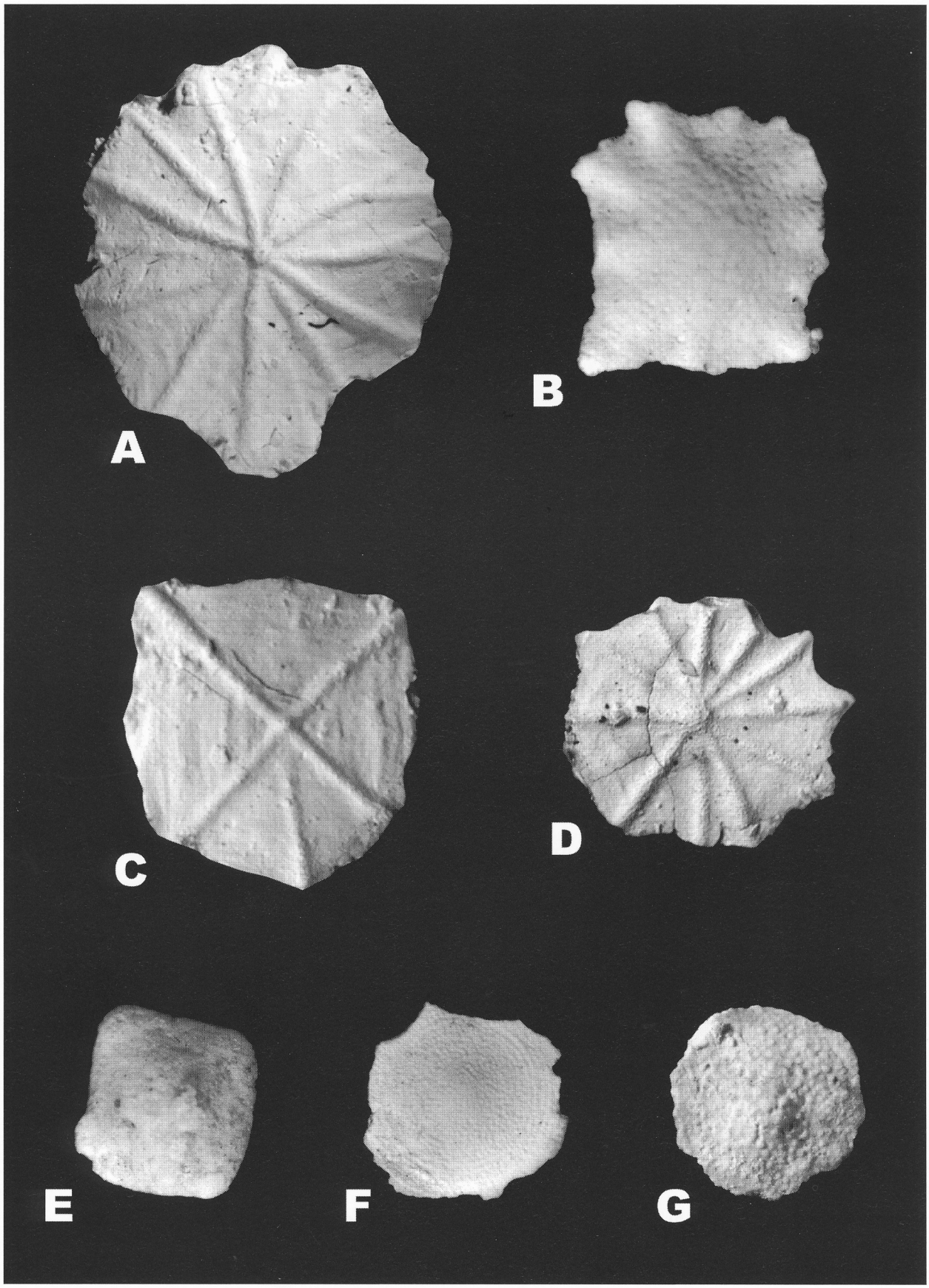
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PLATE 5

Common Early Oligocene Larger Foraminifera of Florida

Oligocene larger foraminifera are found in the Suwannee Limestone in the Florida peninsula; and in the Bumpnose, Marianna, and Bridgeboro Limestones in the panhandle region. The Suwannee Limestone is the only Oligocene formation that contains the conical genus, *Fallotella* (also found in the Late Middle Eocene). All the other forms listed here are found primarily in the panhandle and parts of the northern peninsula.

Family Orbitolinidae Martin, 1890

A) ***Fallotella cookei*** (Moberg, 1928); Axial section showing faint marginal, horizontal partitions within chambers (along edge) (image taken from Cole, 1945, plate 1 figure 1; Leon County; Suwannee Limestone; 16.5x.

B, C) ***Fallotella floridana*** (Cole, 1941); Abraded specimens showing chamberlets; Florida Geological Survey well W-10480 retrieved at about 140' depth, Madison County; Suwannee Limestone; Marianna Limestone; 16.5x.

Family Lepidocyclinidae Scheffen, 1932

D) ***Lepidocyclina* (*Lepidocyclina*) *mantelli*** (Morton, 1833); Equatorial view of test; Natural Bridge, Walton County; 14x.

E, F) ***Lepidocyclina* (*Nephrolepidina*) *chaperi*** Lemoine & R. Douville, 1904; Rock sample with several large tests and equatorial view of single test (showing reiniform (bean-shaped) deuteroconch, respectively; Brooks Quarry, Jackson County; Bumpnose Limestone; 0.85x and 8x, respectively.

G, H) ***Lepidocyclina* (*Nephrolepidina*) *yurnagunensis*** Cushman, 1919; Equatorial view of partial test, and exterior view of test with pustules around centrum, respectively; Washington County; Bridgeboro Limestone (Duncan Church Beds); 43.5x and 19x, respectively.

(Early Oligocene species continued on Plate 6)

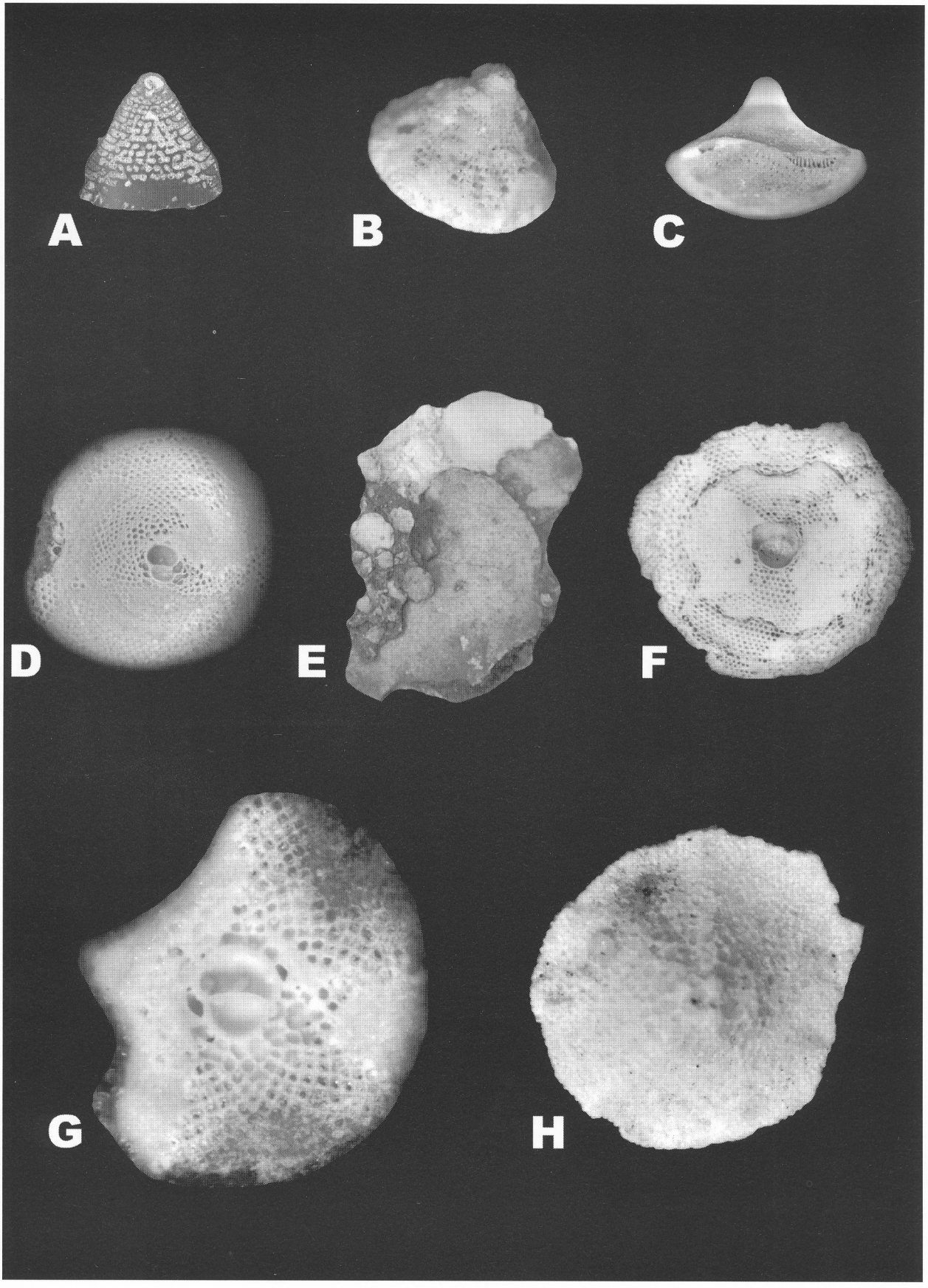
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PLATE 6

Common Early Oligocene Larger Foraminifera of Florida

Family Lepidocyclinidae Scheffen, 1932 (continued from Plate 5)

A) ***Lepidocyclina* (*Eulepidina*) *undosa*** Cushman, 1919; Equatorial view of test showing eulepidine pattern of deuteroconch entirely surrounding the protoconch; Washington County; Bridgeboro Limestone (Duncan Church Beds); 16.5x.

Family Nummulitidae de Blainville, 1827

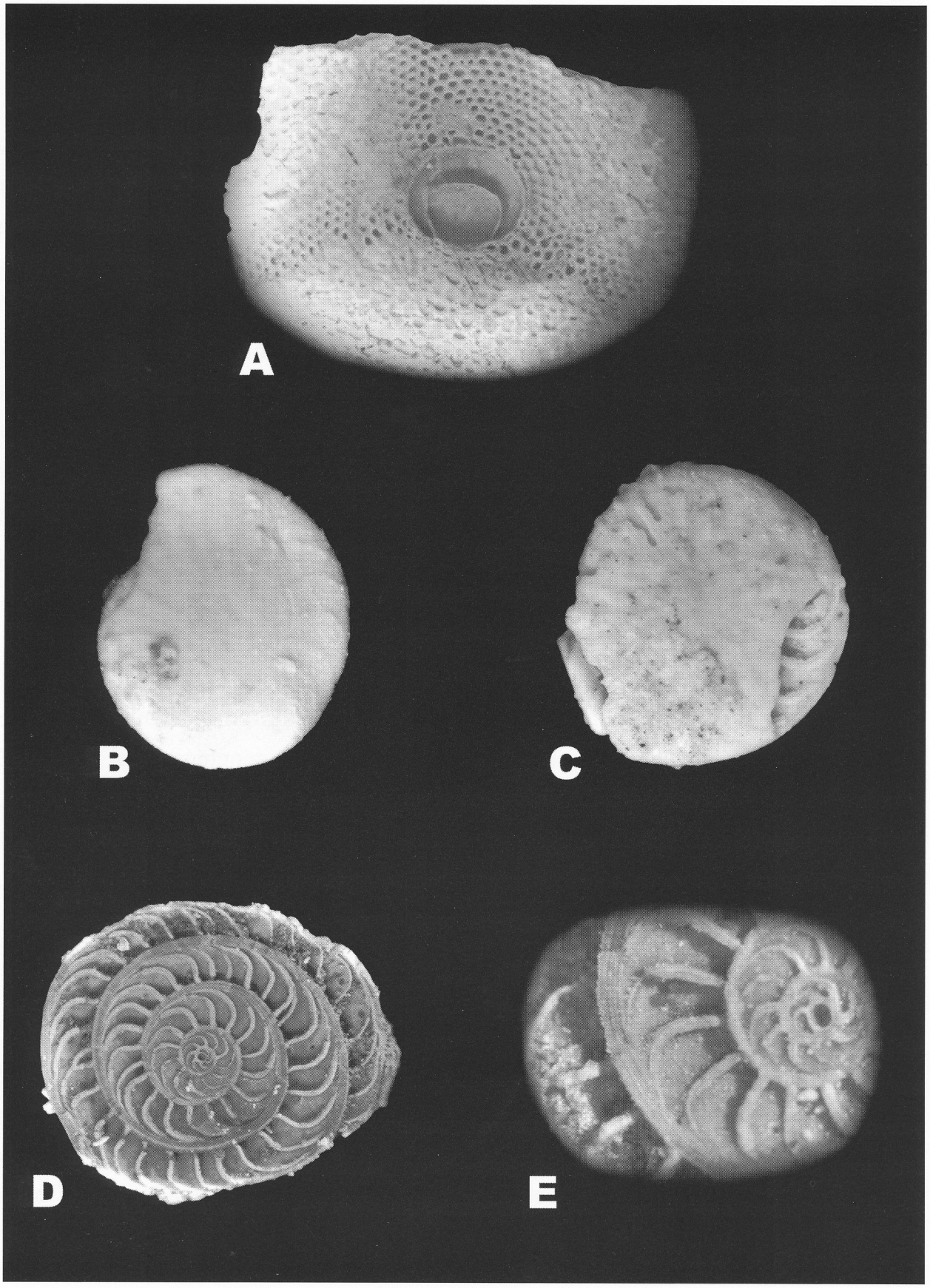
B-E) ***Nummulites panamensis*** Cushman, 1918.

B) Test with smooth exterior with septal traces only barely visible; Brooks Quarry, Jackson County; Marianna Limestone; 26.5x.

C) Test with a portion of the spiral sheet / lamina removed, showing septa of interior; Natural Bridge, Walton County; Marianna Limestone; 30.5x.

D) Equatorial view of a split test, showing septa and chambers; Natural Bridge, Walton County; Marianna Limestone; 20x.

E) Higher magnification of equatorial view of test, showing embryonic chambers and thickened, well developed marginal cord; Natural Bridge, Walton County; Marianna Limestone; 51x.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