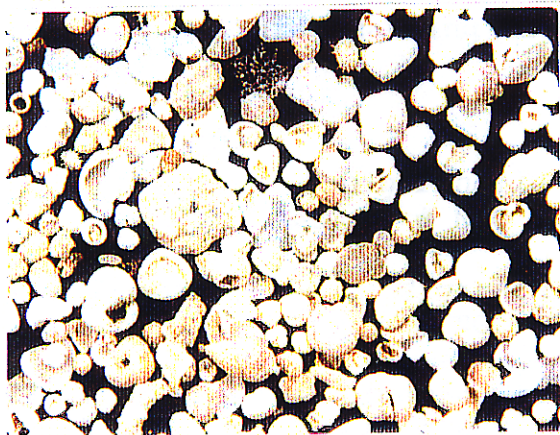


Explanation to PLATE 1

Figure:

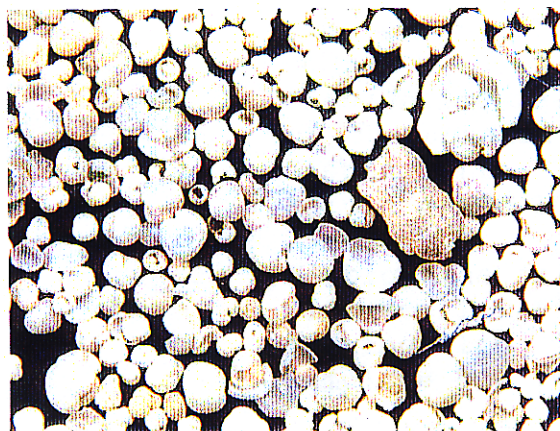
- a: NGC 102 (2,613 m depth) core top planktic foraminiferal fragmentation. (Presence of significant fragmentation at this depth suggests that the present foraminiferal lysocline should be above this depth)
- b: NGC 108 (3,390 m depth) core top planktic foraminifer fragmentation.
- c: NGC 102 (sample # 5-32) last deglacial (?) preservation minima. (Note difference in degree of fragmentation in comparison with coretop)
- e: NGC 108 (sample # 2-32) glacial preservation minima. This layer with relatively well preserved planktic foraminifera suggests that the glacial foraminiferal lysocline should be below this depth.
- f: NGC 102 (sample # 6-16) planktic foraminiferal fragmentation possibly representing the carbonate minima event B3m of Farrell and Prell (1989).
- G: NGC 108 (sample # 5-48) planktic foraminiferal fragmentation possibly representing the carbonate minima event B3m of Farrell and Prell (1989).



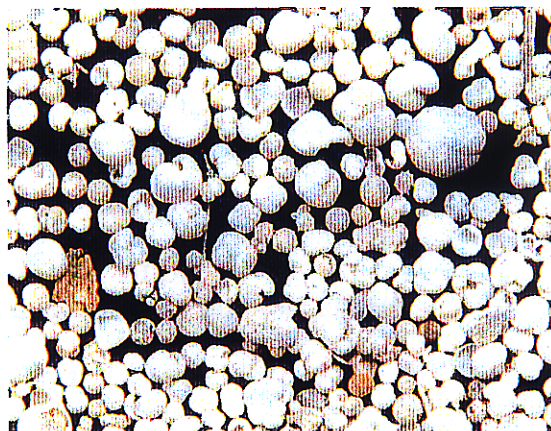
a



b



c



d



e



f

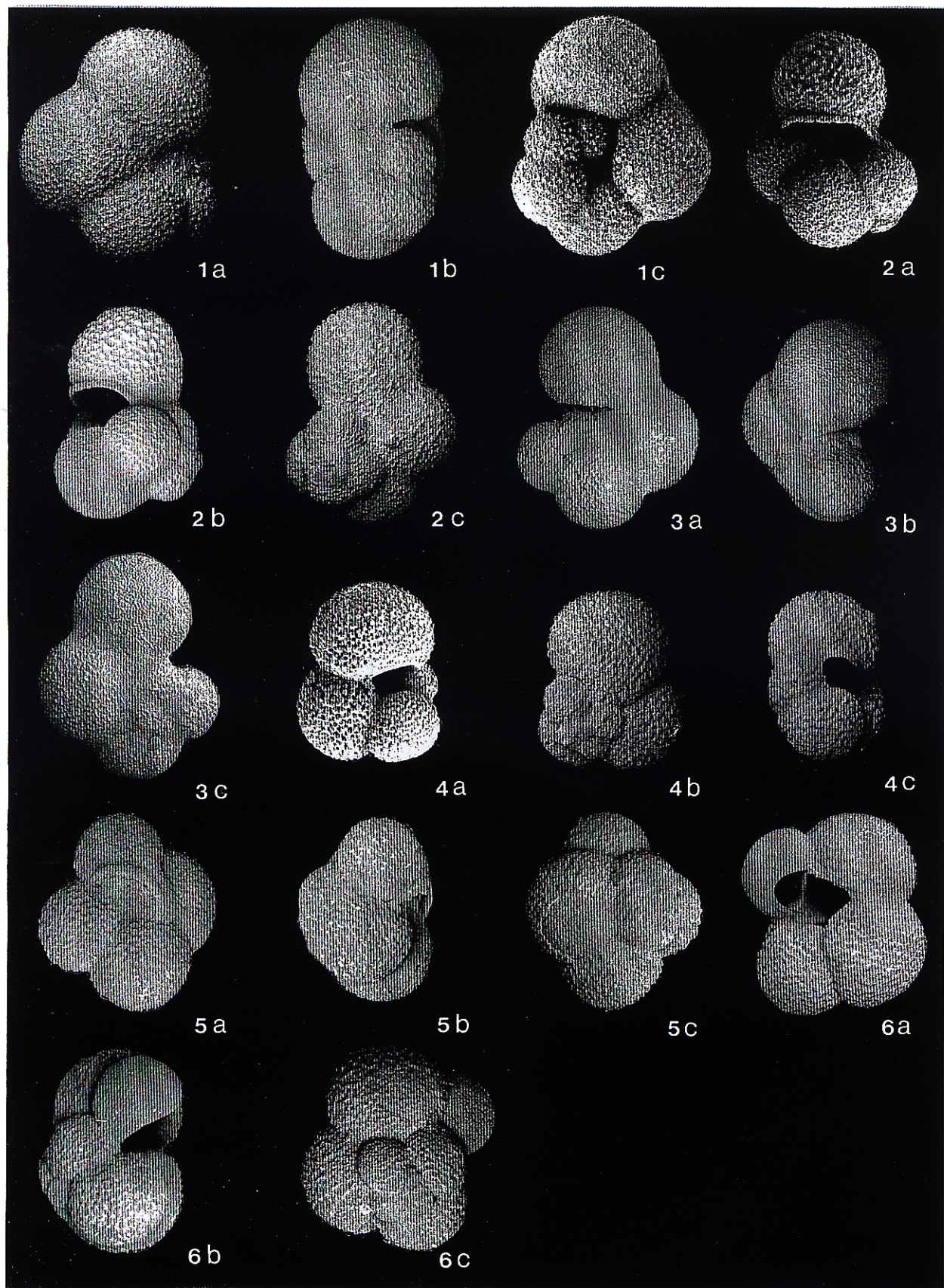
1 mm

Explanation to PLATE 2

All are scanning electron photomicrographs

Figure:

- 1.a-c. *Globigerinella aequilateralis* (BRADY)
Sample # NGC 102 5-16 (X 140)
- 2.a-c. *Beela digitata* (BRADY)
Sample # NGC 102 5-16 (X 170)
- 3.a-c. *Globigerina calida* (Parker)
Sample # NGC 102 5-16 (X 150)
- 4.a-c. *Globigerina bulloides* D'ORBIGNY
Sample # NGC 102 5-24 (X 250)
- 5.a-c *Globigerina falcoensis* BLOW
w/ characteristic smaller final chamber w/
distinct lip
Sample # NGC 102 5-24 (x250)
- 6.a-c. *Globigerina falcoensis* BLOW
with smaller final chamber but without
distinct lip
Sample # NGC 102 5-24 (x250)

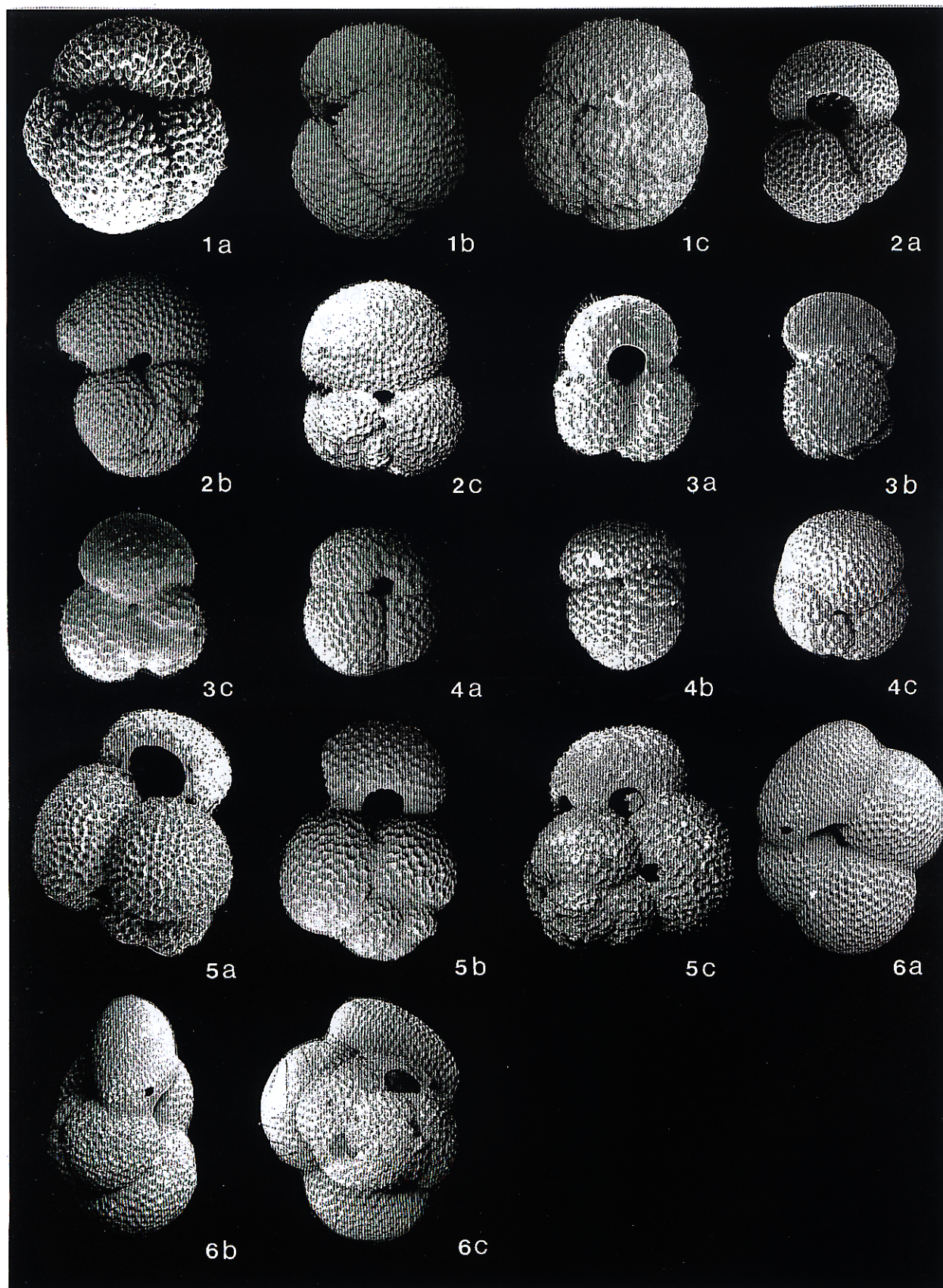


Explanation to PLATE 3

All are scanning electron photomicrographs

Figure:

- 1.a-c. *Globigerinoides conglolobatus* (BRADY)
Sample # NGC 102 5-24 (X 170)
- 2.a-c. *Globigerinoides ruber* (D'ORBIGNY)
Sample # NGC 102 5-16 (X 200)
- 3.a-c. *Globigerinoides ruber* (D'ORBIGNY)
juvenile specimen showing well preserved
spines
Sample # NGC 102 6-56 (X 200)
- 4.a-c. *Globigerinoides ruber* (D'ORBIGNY)
Sample # NGC 102 5-16 (X 200)
- 5.a-c. *Globigerinoides ruber* (D'ORBIGNY)
Sample # NGC 102 5-16 (X 200)
- 6.a-c. *Globigerinoides sacculifer* (BRADY)
w/ sac like final chamber
Sample # NGC 102 5-24 (X 140)

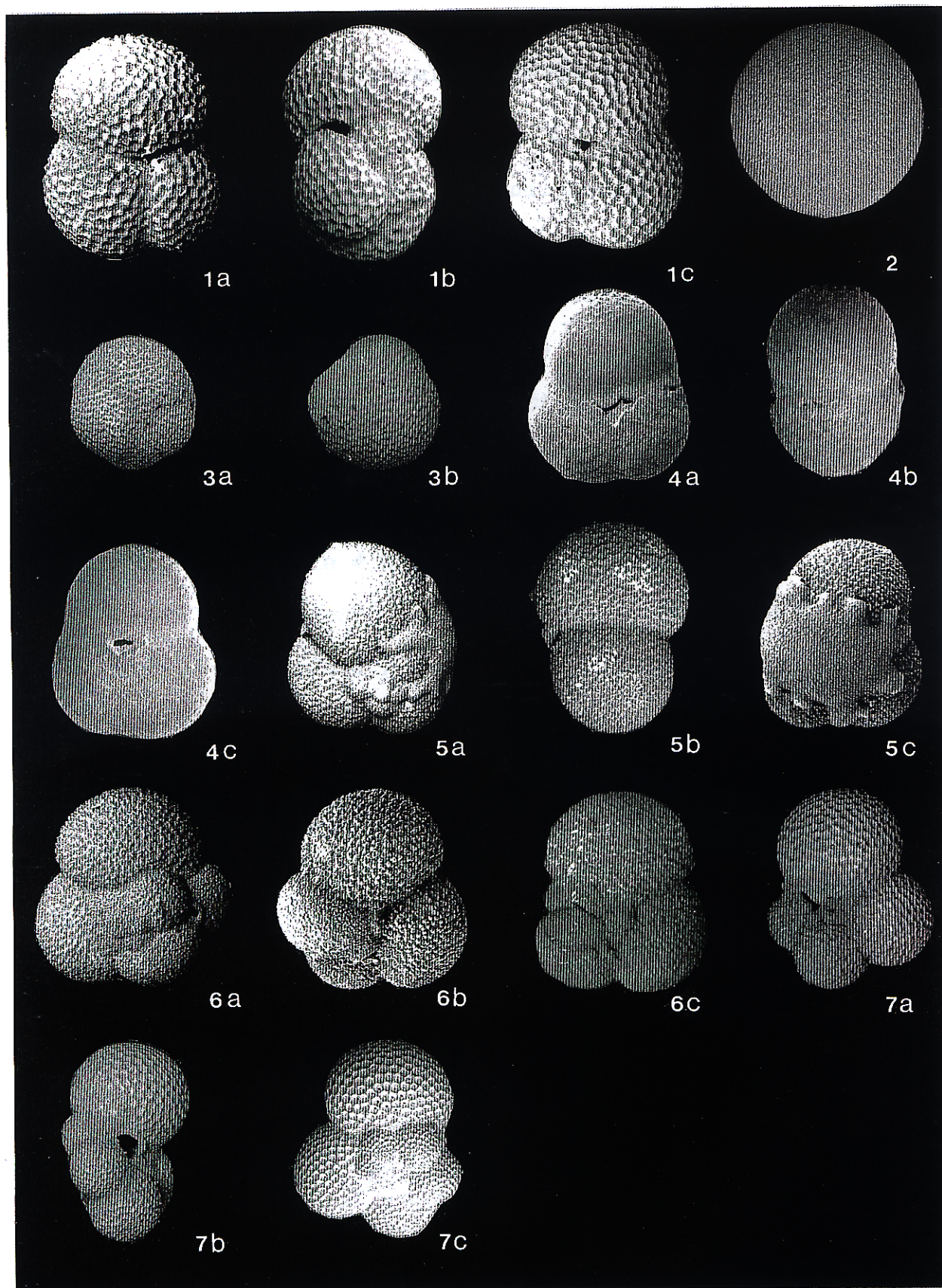


Explanation to PLATE 4

All are scanning electron photomicrographs

Figure:

- 1.a-c. *Globigerinoides sacculifer* (BRADY)
w/o sac like final chamber
Sample # NGC 102 5-24 (X 140)
- 2. *Orbulina universa* (D'ORBIGNY)
Sample # NGC 102 5-16 (X 150)
- 3.a-b. *Orbulina universa* (D'ORBIGNY)
3 chambered
Sample # NGC 102 6-56 (X 150)
- 4.a-c. *Spaeroidinella dehiscens* (Parker and Jones)
Sample # NGC 102 5-16 (X 150)
- 5.a-c. *Globigerinita glutinata* (EGGER)
Sample # NGC 108 2-64 (X 250)
- 6.a-c. *Globigerinita glutinata* (EGGER)
Sample # NGC 108 2-64 (X 250)
- 7.a-c. *Globorotaloides hexagona*
Sample # NGC 102 5-24 (X 150)

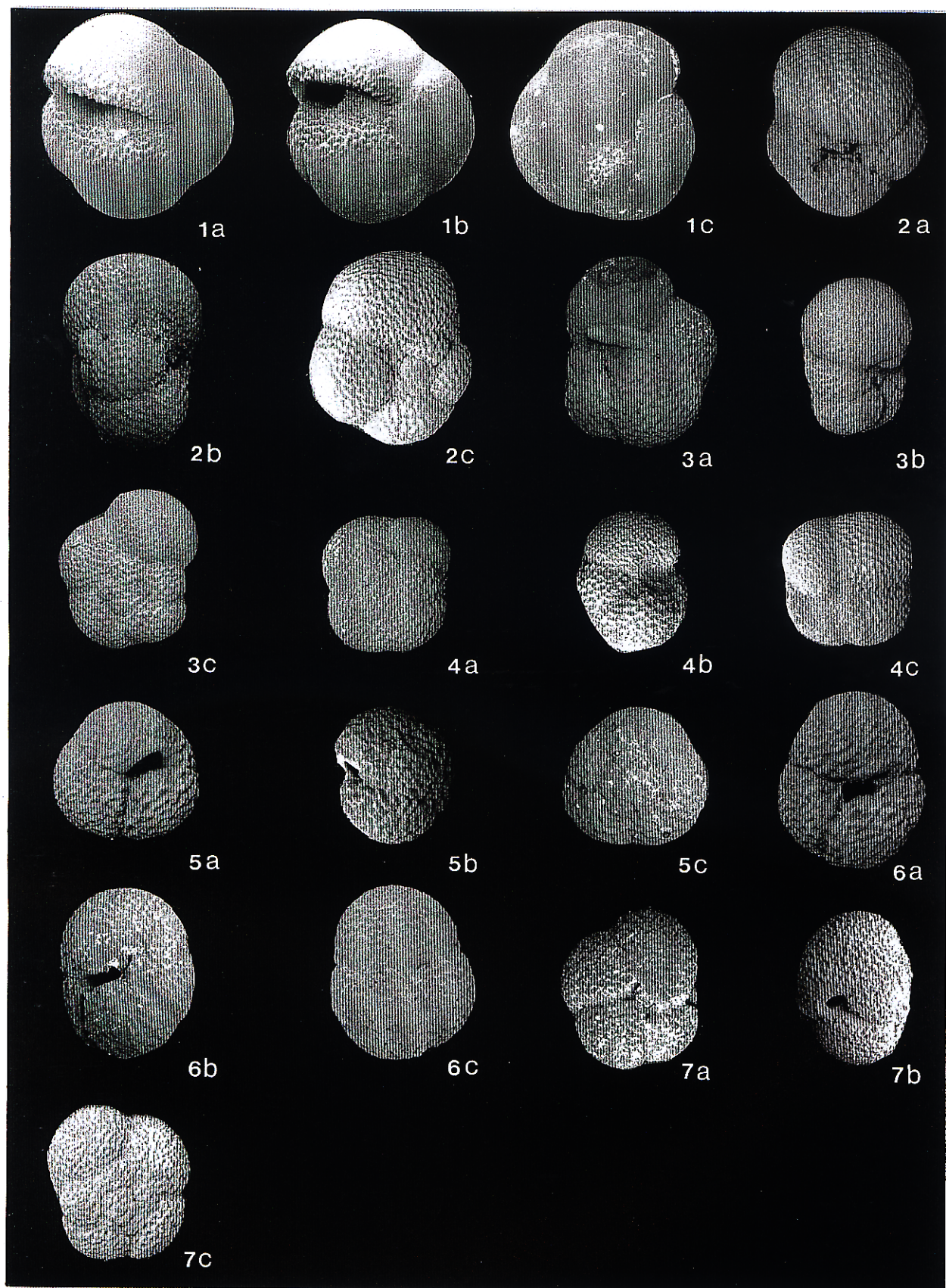


Explanation to PLATE 5

All are scanning electron photomicrographs

Figure:

- 1.a-c. *Pulleniatina obliquiloculata* (Parker and Jones)
Sample # NGC 102 5-24 (X 170)
- 2.a-c *Neogloboquadrina pachyderma* (D'ORBIGNY)
dextral
Sample # NGC 102 5-24 (X 200)
- 3.a-c. *Neogloboquadrina pachyderma* (D'ORBIGNY)
dextral
Sample # NGC 102 5-24 (X 200)
- 4.a-c. *Neogloboquadrina pachyderma* (D'ORBIGNY)
dextral
Sample # NGC 102 5-24 (X 200)
- 5.a-c. *Neogloboquadrina pachyderma* (D'ORBIGNY)
sinistral
Sample # NGC 108 2-64 (X 200)
- 6.a-c. *Neogloboquadrina pachyderma* (D'ORBIGNY)
ssinistral
Sample # NGC 108 2-64 (X 200)
- 7.a-c. *Globigerina quinqueloba* NATLAND
Sample # NGC 108 5-24 (X 250)

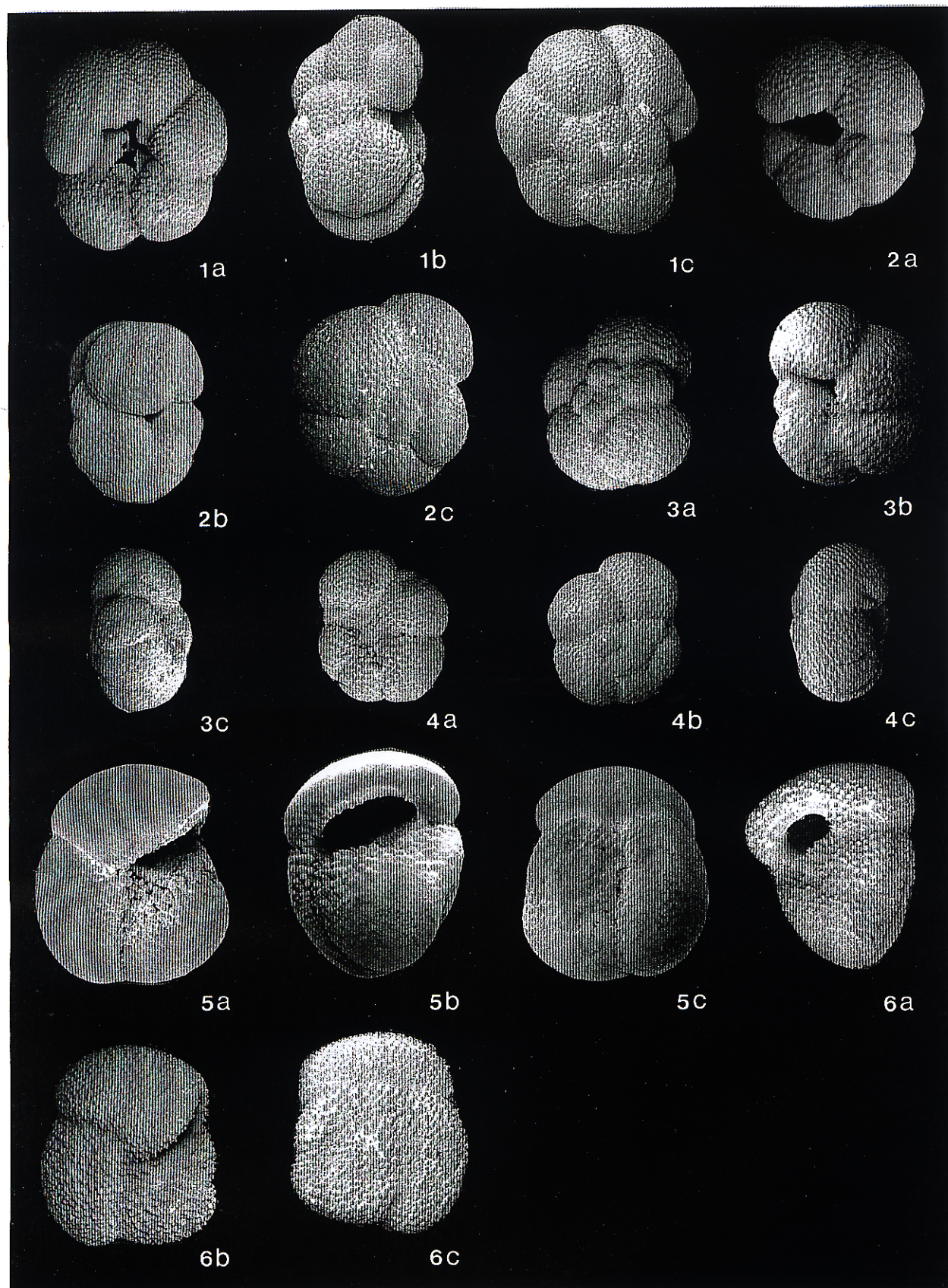


Explanation to PLATE 6

All are scanning electron photomicrographs

Figure:

- 1.a-c. *Neogloboquadrina eggeri* (RHUMBLER)
Sample # NGC 102 5-16 (X 150)
- 2.a-c *Neogloboquadrina eggeri* (RHUMBLER)
Sample # NGC 102 5-16 (X 150)
- 3.a-c. *Neogloboquadrina blowi* ROGL and BOLLI
Sample # NGC 102 5-24 (X 150)
- 4.a-c. *Neogloboquadrina blowi* ROGL and BOLLI
Sample # NGC 102 5-32 (X 150)
- 5.a-c. *Globorotalia inflata* (D'ORBIGNY)
Sample # NGC 102 5-16 (X 150)
- 6.a-c. *Globorotalia inflata* (D'ORBIGNY)
Sample # NGC 108 5-16 (X 150)

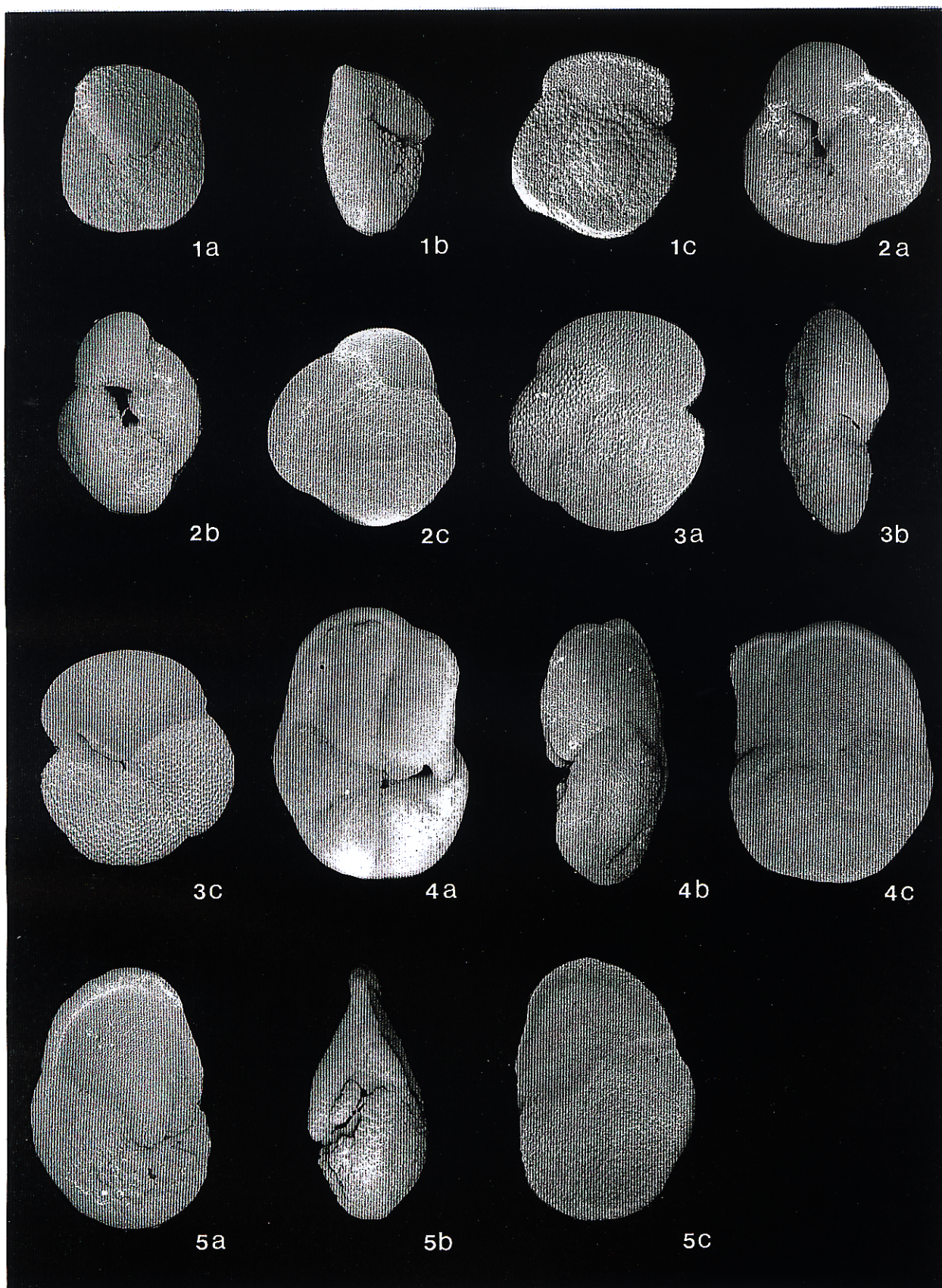


Explanation to PLATE 7

All are scanning electron photomicrographs

Figure:

- 1.a-c. *Globorotalia crassaformis* (GALLOWAY and
 WISSELER)
 Sample # NGC 106 6-32 (X 100)
- 2.a-c *Globorotalia hirsuta* (D'ORBIGNY)
 Sample # NGC 102 5-16 (X 100)
- 3.a-c. *Globorotalia scitula* (BRADY)
 Sample # NGC 102 5-16 (X 100)
- 4.a-c. *Globorotalia menardii* (PARKER, JONES and
 BRADY)
 Sample # NGC 102 5-16 (X 100)
- 5.a-c. *Globorotalia tumida* (BRADY)
 Sample # NGC 108 2-16 (X 100)

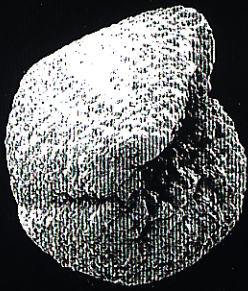


Explanation to PLATE 8

All are scanning electron photomicrographs

Figure:

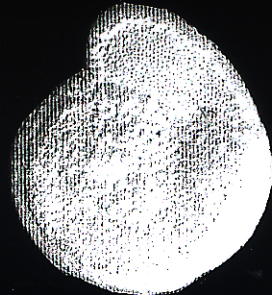
- 1.a-c. *Globorotalia truncatulinoides* (D'ORBIGNY)
 dextral
 Sample # NGC 102 5-16 (X 170)
- 2.a-c *Globorotalia truncatulinoides* (D'ORBIGNY)
 sinistral
 Sample # NGC 102 6-48 (X 130)



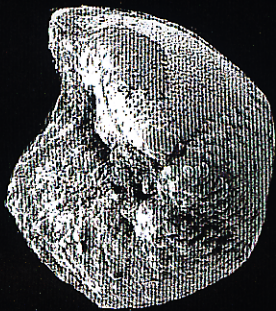
1a



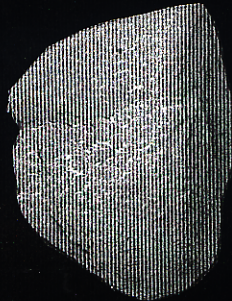
1b



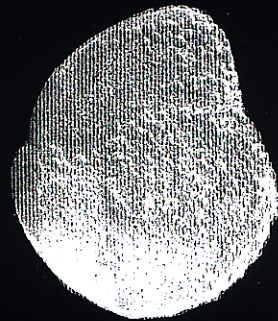
1c



2a



2b



2c