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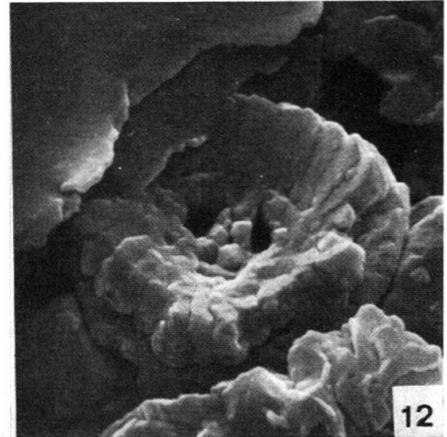
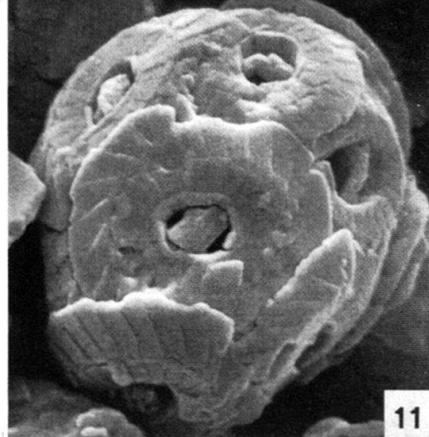
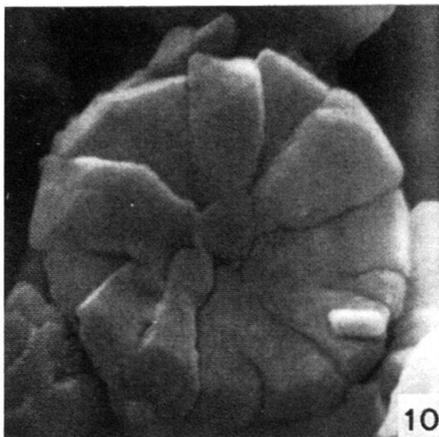
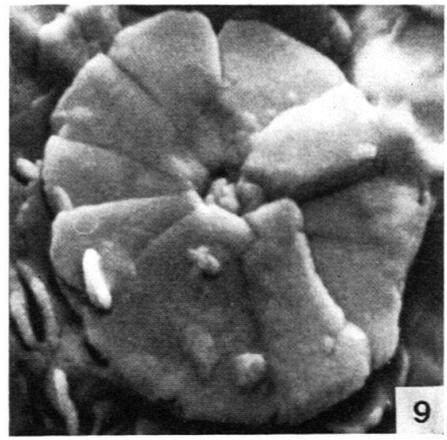
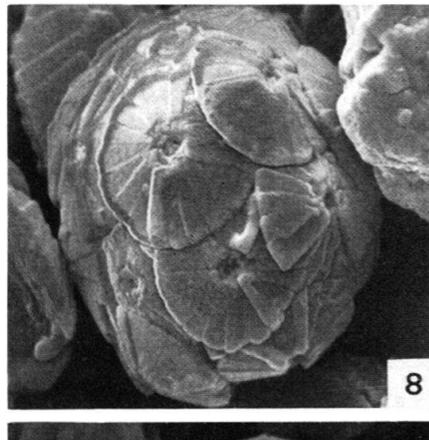
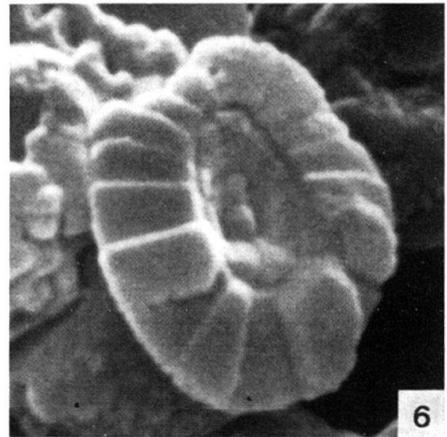
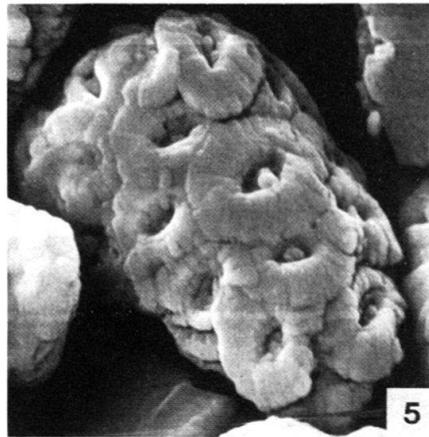
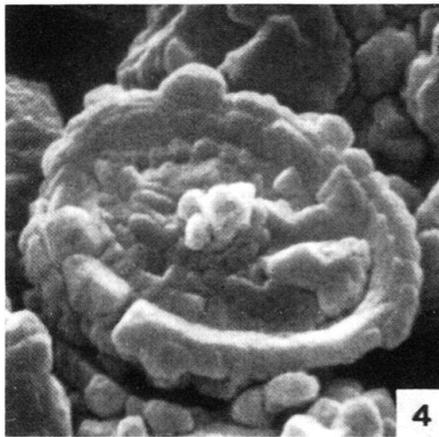
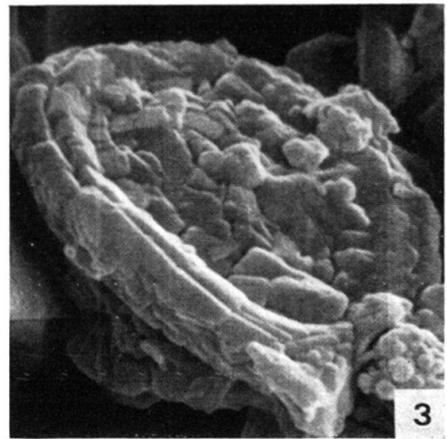
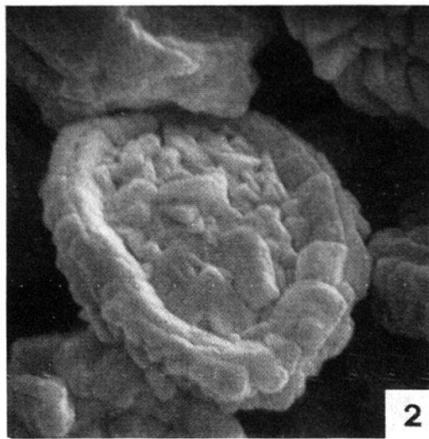
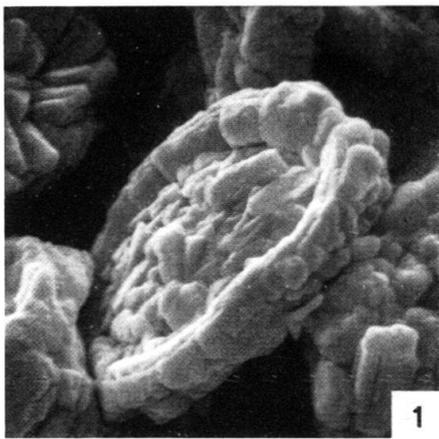
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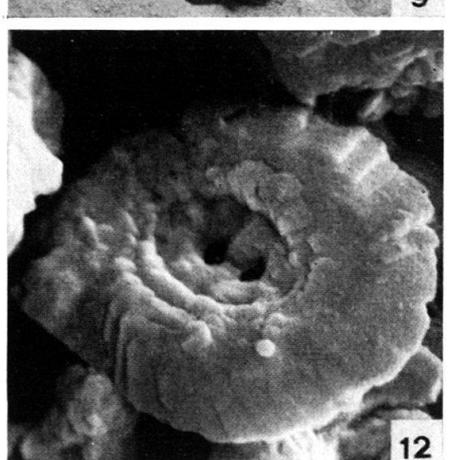
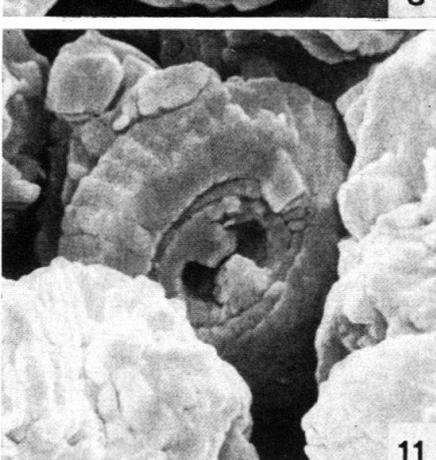
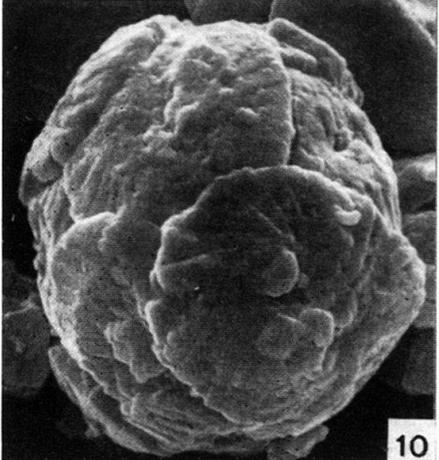
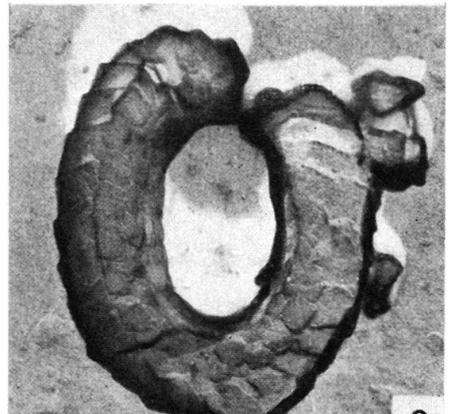
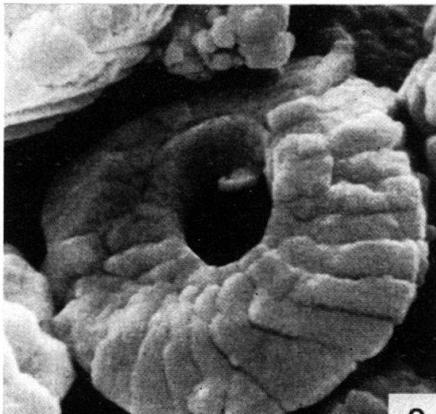
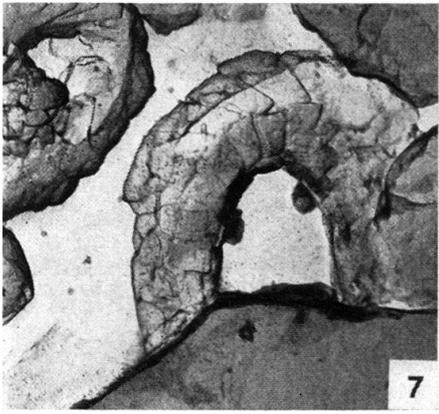
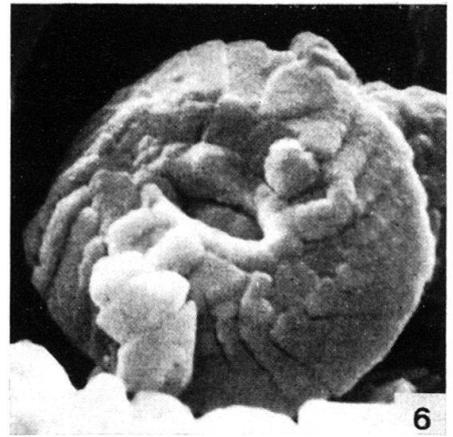
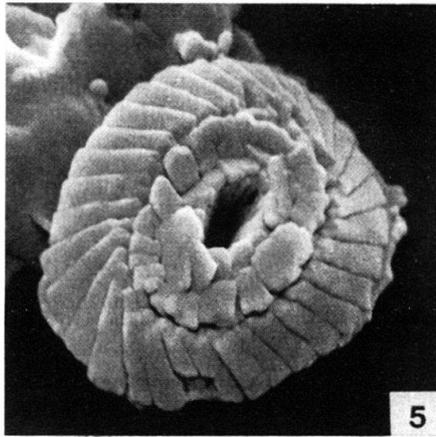
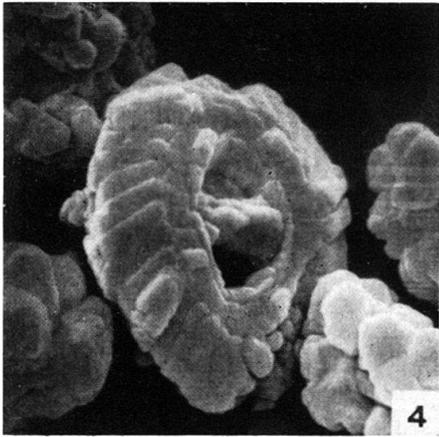
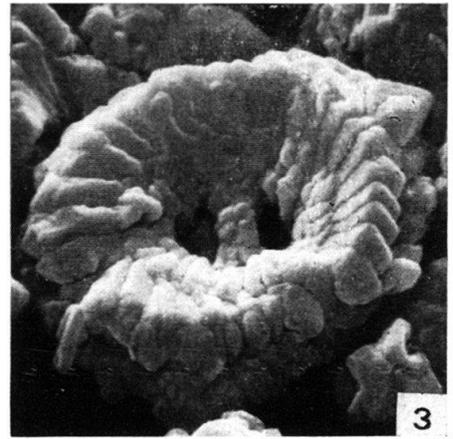
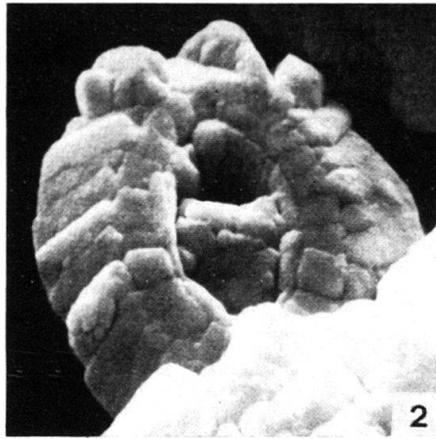
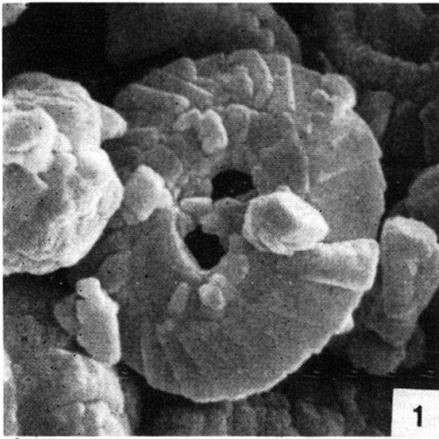
## Plate I

- Fig. 1–4      *Broinsonia ? lata* (NOËL, 1969) NOËL, 1970 . . . . . p. 154
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Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 220/1, 8,070 ×
- 2: Same specimen as Fig. 1; oblique side view  
Stereoscan micrograph 220/2, 8,070 ×
- 3: Oblique view on the distal side  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.139  
Stereoscan micrograph 178/3, 12,100 ×
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Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
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Cehegin–Middle Ridge section; Hauterivian, All 68.26  
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Stereoscan micrograph 163/12, 16,100 ×
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Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.87  
Stereoscan micrograph 169/7, 8,070 ×



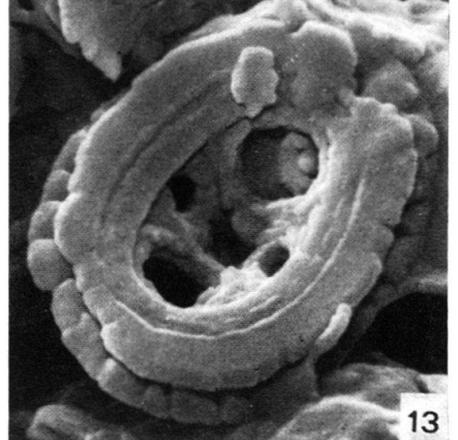
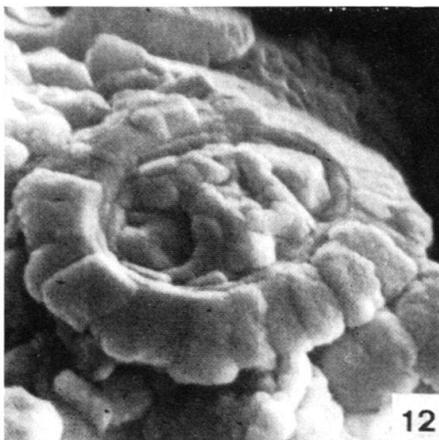
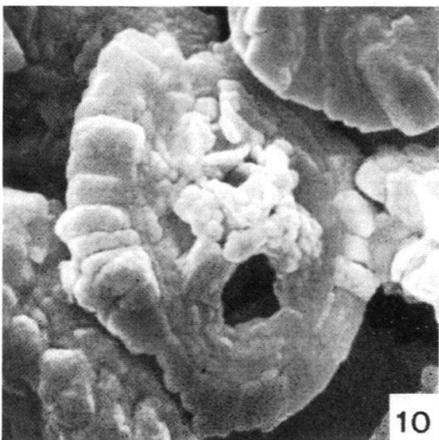
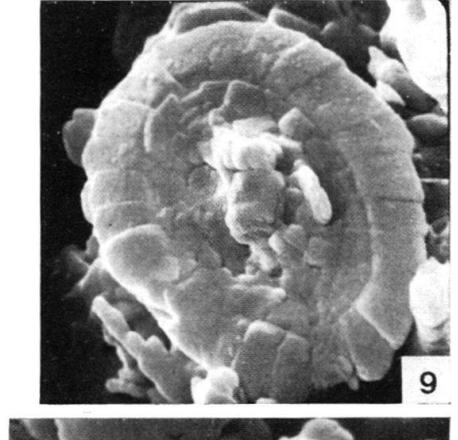
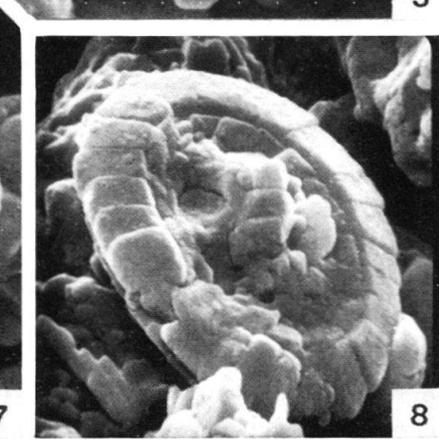
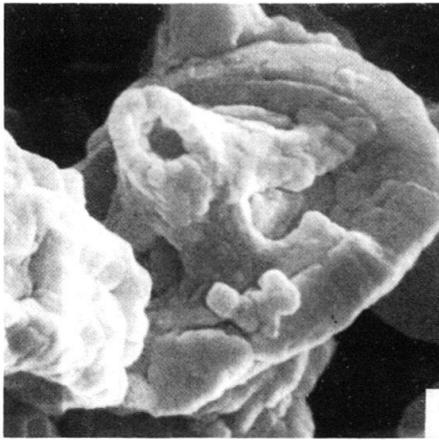
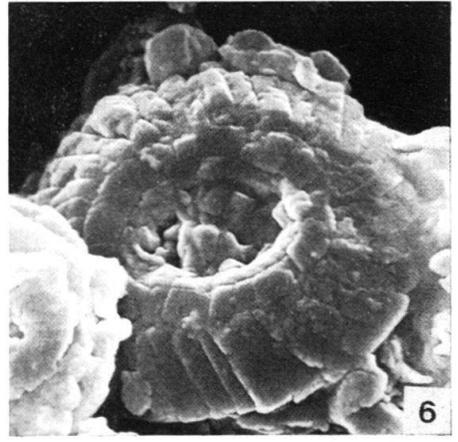
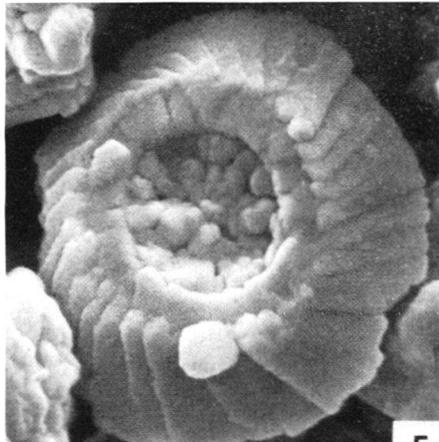
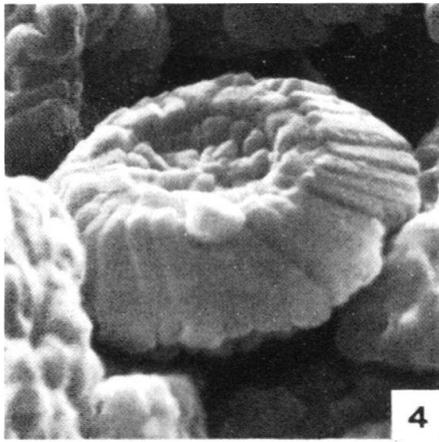
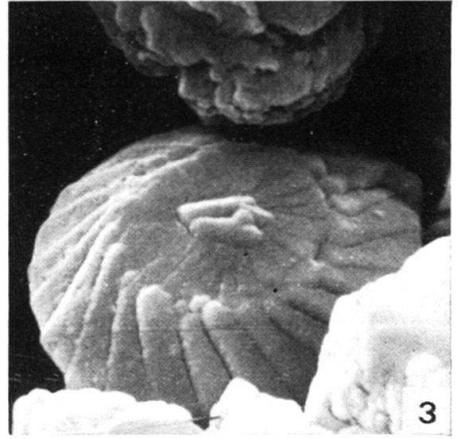
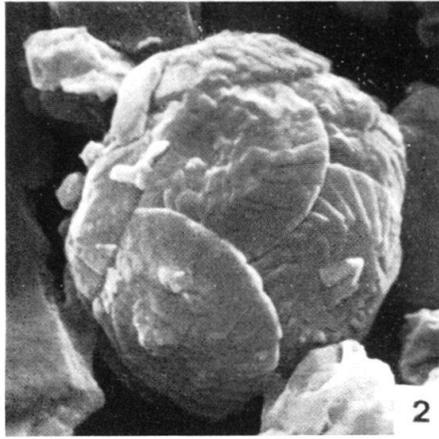
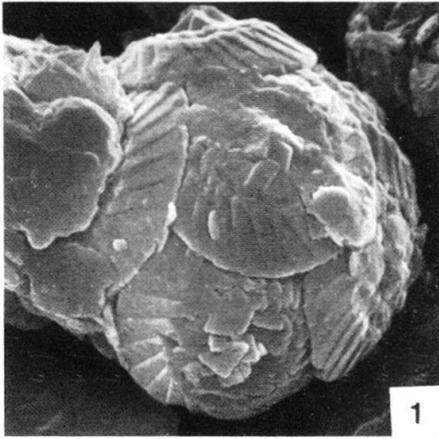
## Plate II

- Fig. 1–4      *Ellipsagelosphaera britannica* (STRADNER, 1963) PERCH-NIELSEN, 1968 . . . p. 159  
1: Distal view  
Miravetes; *privatensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 314/3, 8,070 ×  
2: Distal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.159  
Stereoscan micrograph, 215/12, 12,100 ×  
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Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.161 ×  
Stereoscan micrograph 217/5, 8,070 ×  
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Transmission electronmicrograph 2066/69, 9,400 ×  
8: Oblique view on the distal side  
Miravetes; *jacobi*-zone, *Cr. intermedia*-subzone, All 71.109  
Stereoscan micrograph 96/2, 16,100 ×  
9: Distal view  
Cehegin–Middle Ridge section; Hauterivian, All 68.26  
Transmission electronmicrograph 2794/69, 9,400 ×
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Coccosphere  
Miravetes; *euxina*-zone, *C. elliptica*-subzone, All 71.166  
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11: Distal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.152  
Stereoscan micrograph 297/2, 8,070 ×  
12: Oblique view on the distal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.172  
Stereoscan micrograph 428/12, 6,100 ×



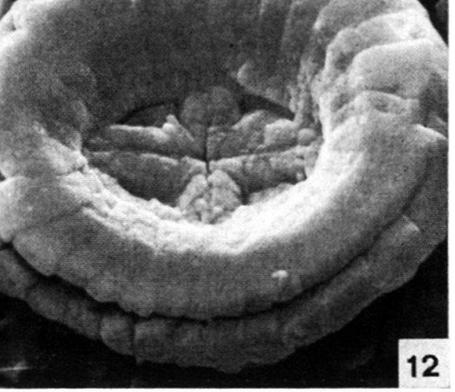
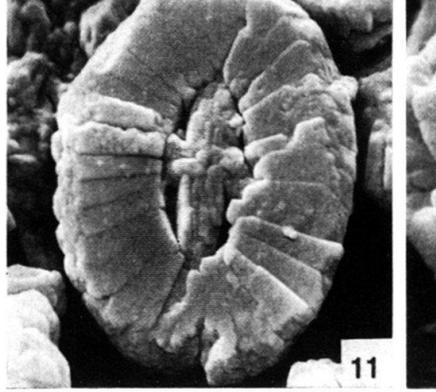
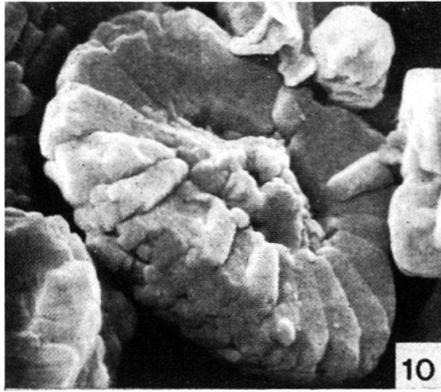
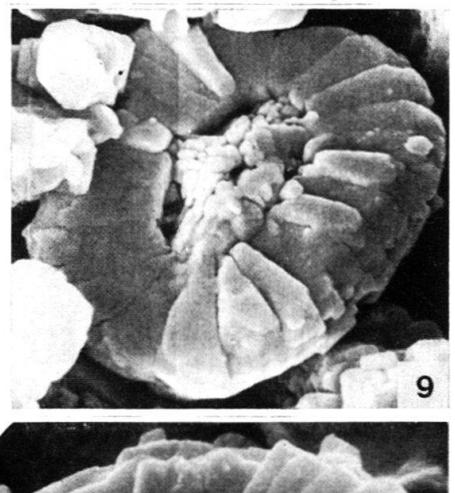
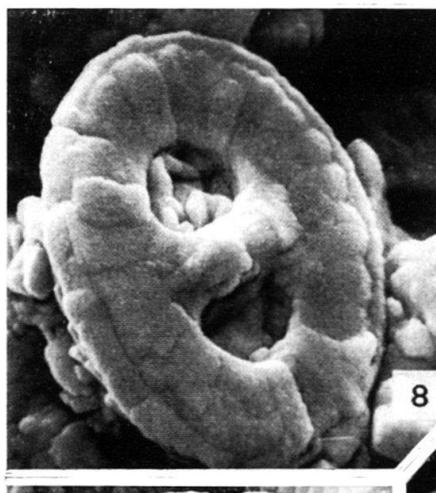
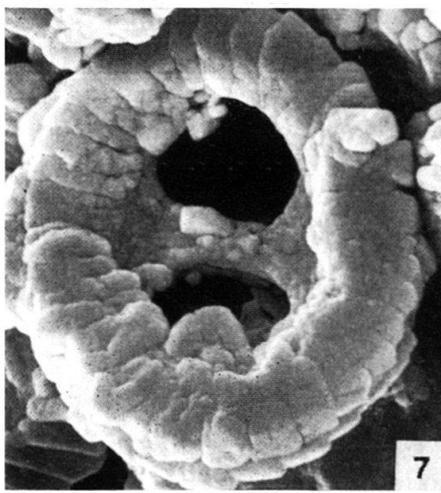
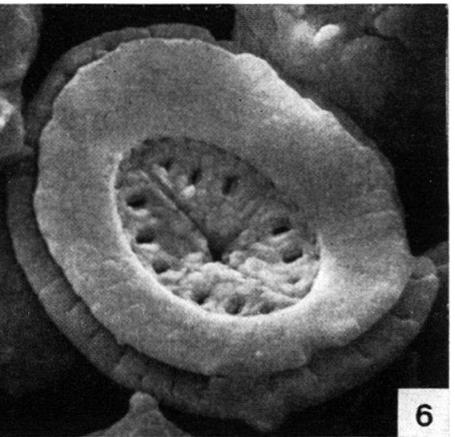
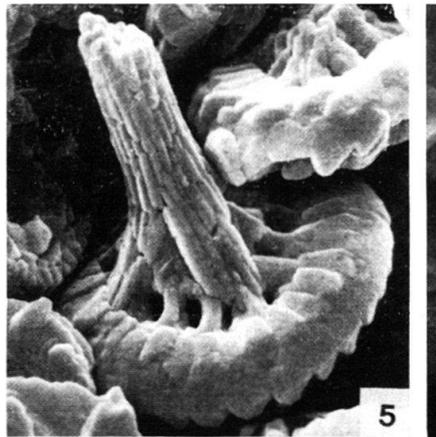
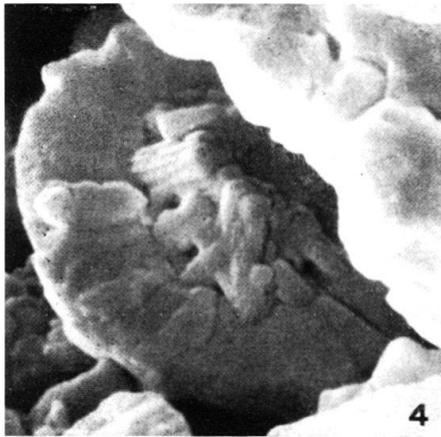
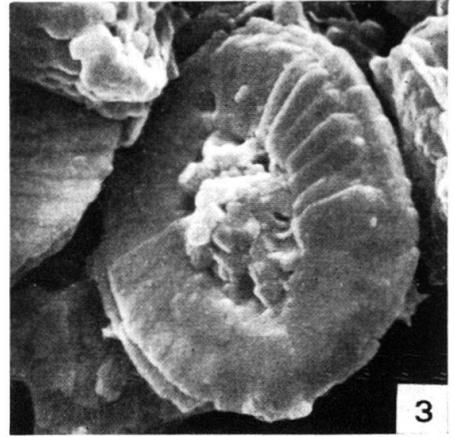
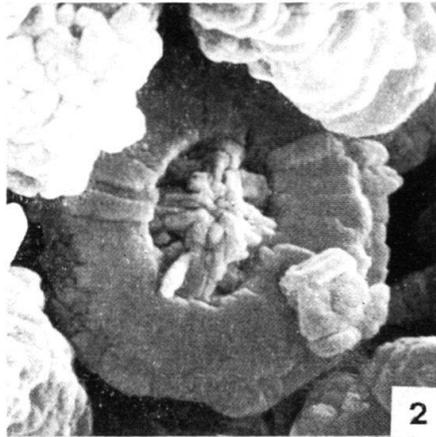
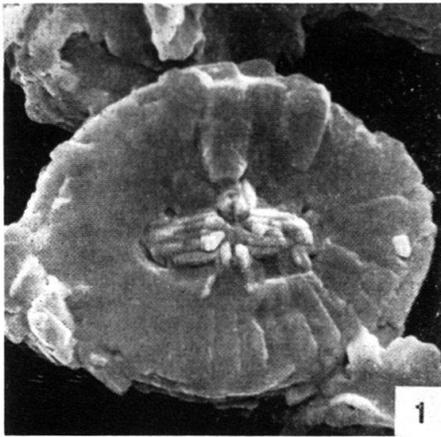
### Plate III

- Fig. 1–3      *Cyclagelosphaera margereli* NOËL, 1965 . . . . . p. 165  
1: Cocosphere  
Schacht Konrad I, 673 m, Salzgitter (Germany); lower Barremian.  
Stereoscan micrograph 60/7, 8,070 ×  
2: Cocosphere  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.180  
Stereoscan micrograph 315/5, 8,070 ×  
3: Oblique view on the distal side  
Miravetes; *jacobi*-zone, *Cr. intermedia*-subzone, All 71.103  
Stereoscan micrograph 211/4, 12,100 ×
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4: Oblique view on the distal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 219/11, 10,770 ×  
5: Same specimen as Fig. 4; distal view  
Stereoscan micrograph 219/10, 10,770 ×  
6: Oblique view on the distal side  
Miravetes; *jacobi*-zone, *C. alpina*-subzone, All 71.118  
Stereoscan micrograph 118/7, 8,070 ×
- Fig. 7–9      *Podorhabdus dietzmanni* (REINHARDT, 1965) REINHARDT, 1967 . . . . . p. 168  
7: Distal view  
Miravetes; *picteti-malbosi*-zone, *Cps. simplex*-subzone, All 71.197  
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Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.183  
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Stereoscan micrograph 181/3, 10,100 ×
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Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
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Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 220/3, 12,100 ×  
13: Proximal view  
Deepwell Nieuwerkerk 1 (Nederlands); lower Aptian, Str. 23  
Stereoscan micrograph 381/9, 12,900 ×



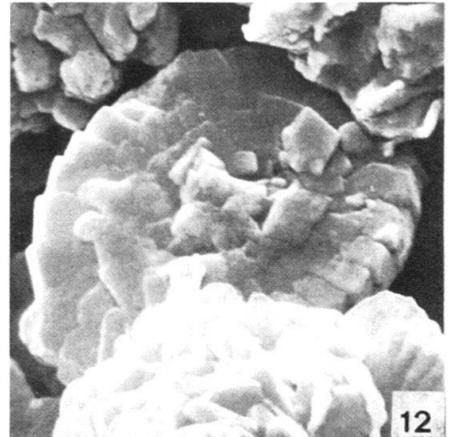
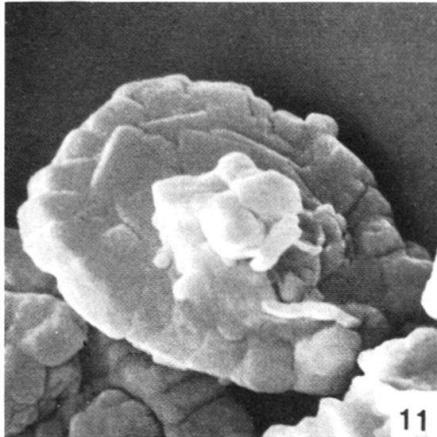
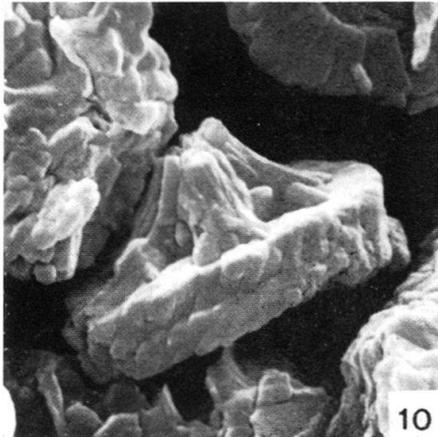
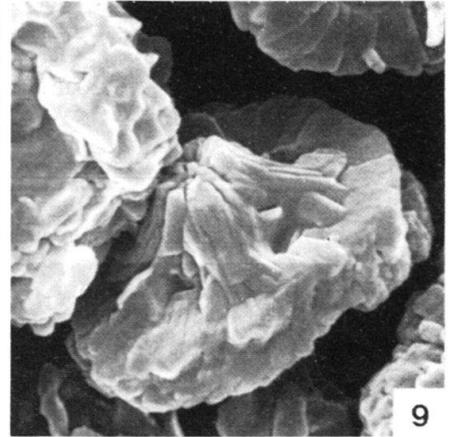
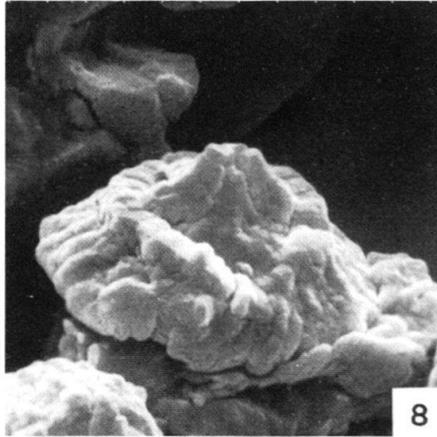
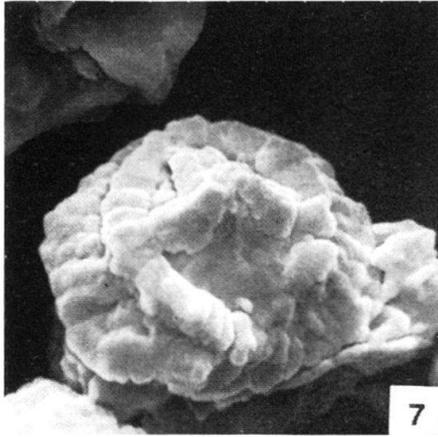
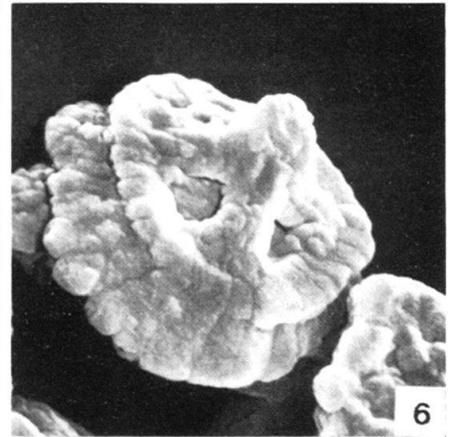
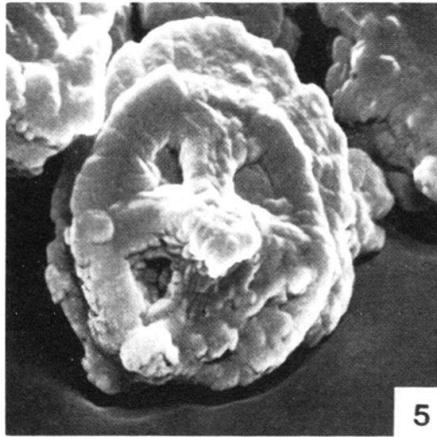
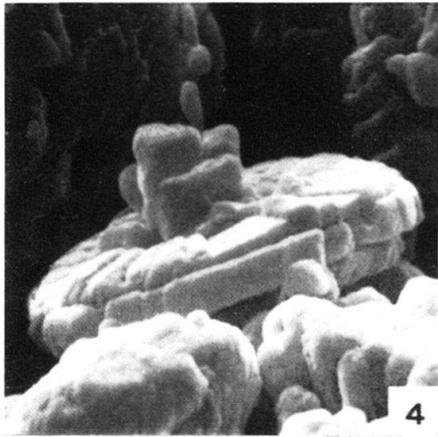
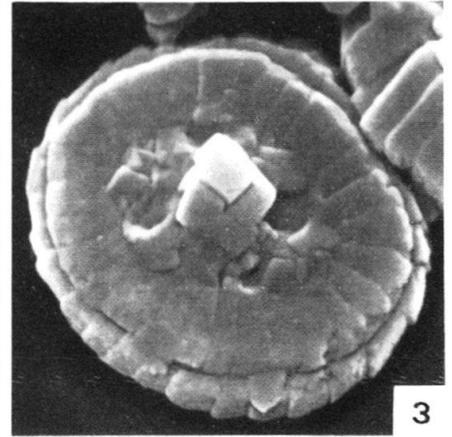
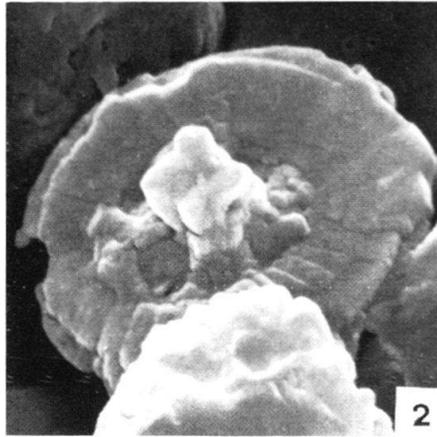
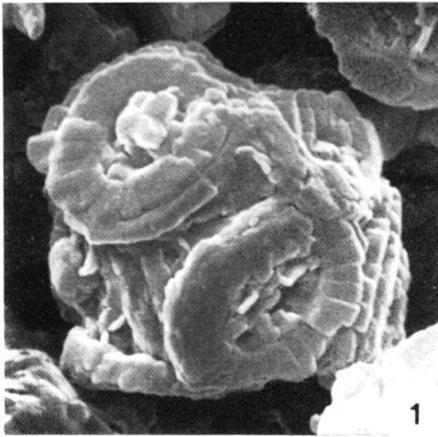
## Plate IV

- Fig. 1–3      *Retecapsa angustiforata* BLACK, 1971 . . . . . p. 173  
1: Distal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.182  
Stereoscan micrograph 182/2, 8,070 ×  
2: Oblique view on the distal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.161  
Stereoscan micrograph 217/8, 8,070 ×  
3: Oblique view on the distal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.88  
Stereoscan micrograph 169/4, 8,070 ×
- Fig. 4–6      *Retecapsa crenulata* (BRAMLETTE & MARTINI, 1964) GRÜN, n. comb. . . . . p. 175  
4: Oblique view on the distal side  
Miravetes; *picteti-malbosii*-zone, *Cps. simplex*-subzone, All 71. 197  
Stereoscan micrograph 318/6, 10,770 ×  
5: Oblique view on the distal side  
Lower Chalk, Dunstable (GB); Cenomanian  
Stereoscan micrograph 262/9, 8,070 ×  
6: Proximal view  
Deepwell Nieuwerkerk 1 (Netherlands); lower Aptian, Str. 23  
Stereoscan micrograph 380/10, 9,700 ×
- Fig. 7, 8      *Speetonia colligata* BLACK, 1971 . . . . . p. 178  
7: Proximal view  
Cehegin–Middle Ridge section; lower Valanginian, All 69.69  
Stereoscan micrograph 462/12, 8,070 ×  
8. Distal view  
Cehegin–Middle Ridge section; Valanginian, All 69.76  
Stereoscan micrograph 468/2, 8,070 ×
- Fig. 9–12      *Cruciellipsis cuvillieri* (MANIVIT, 1966) THIERSTEIN, 1971. . . . . p. 179  
9: Oblique view on the distal side  
Miravetes; *picteti-malbosii*-zone, *Cps. simplex*-subzone, All 71.203  
Stereoscan micrograph 233/5, 8,070 ×  
10: Same specimen as Fig. 9; oblique view on the distal side  
Stereoscan micrograph 233/4, 8,070 ×  
11: Distal view  
Chegin–Middle Ridge section; upper Hauterivian, All 68.35  
Stereoscan micrograph 459/10, 5,400 ×  
12: Proximal view  
Cehegin–Middle Ridge section; Hauterivian, All 68.25  
Stereoscan micrograph 552/10, 8,070 ×



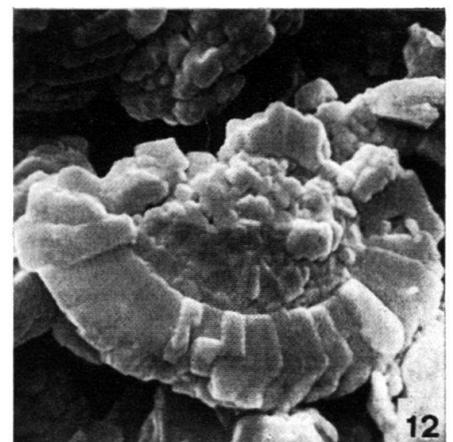
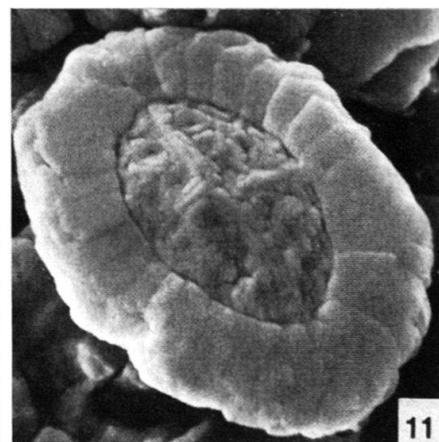
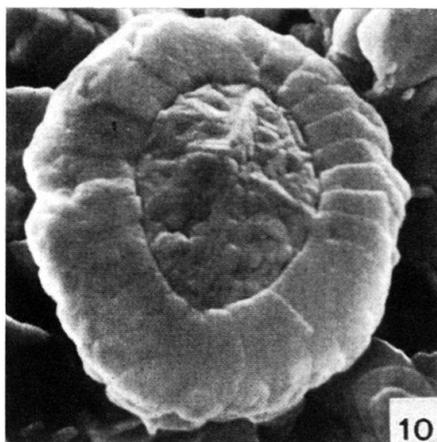
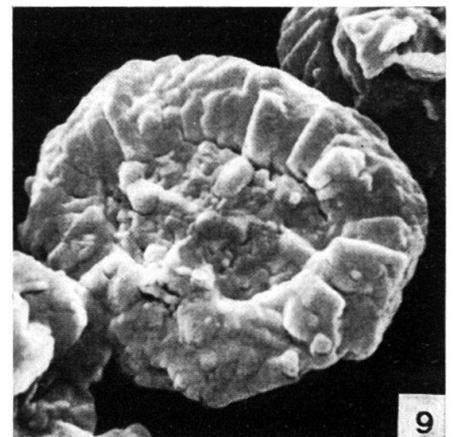
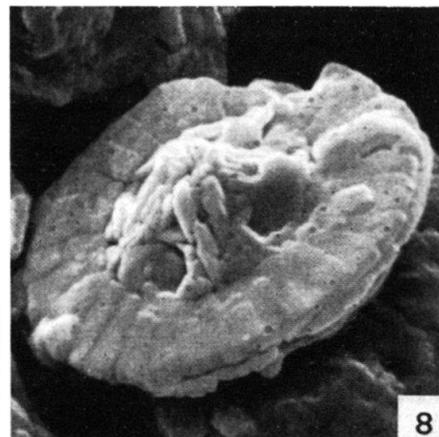
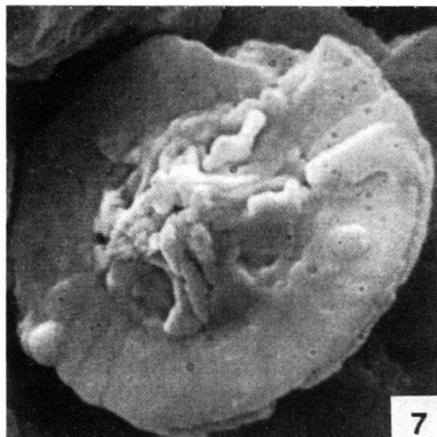
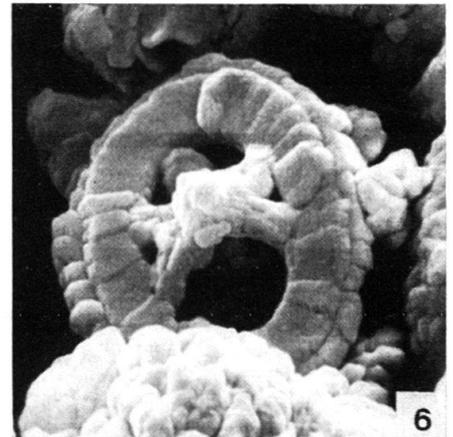
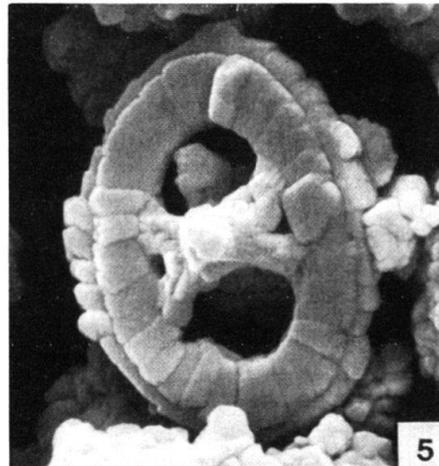
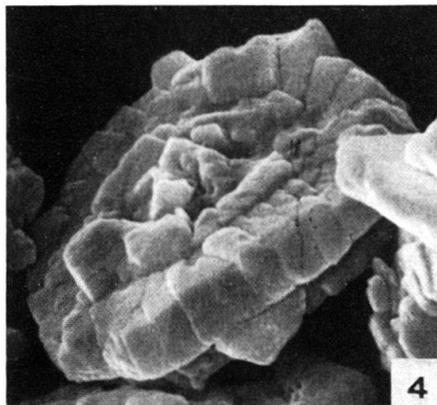
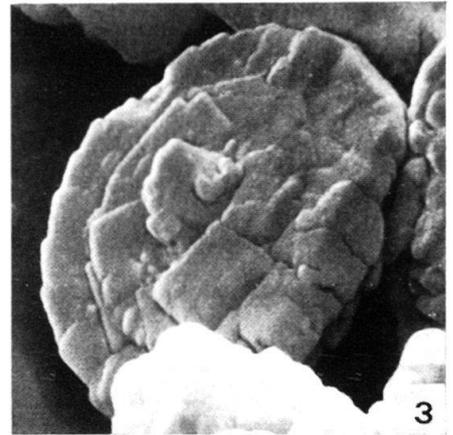
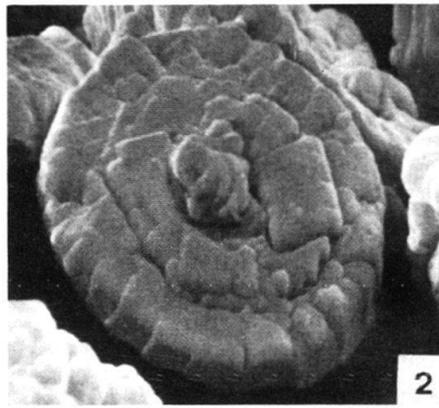
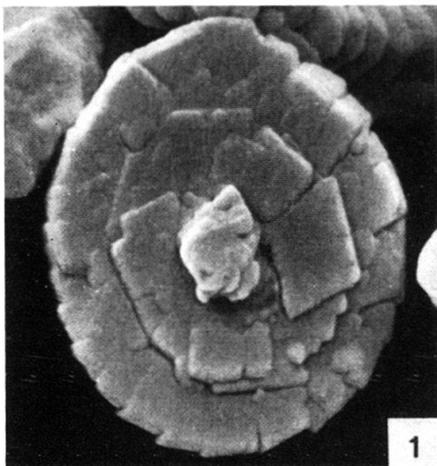
## Plate V

- Fig. 1–4      *Microstaurus chiastius* (WORSLEY, 1971) GRÜN, n. comb. . . . . p. 181
- 1: Cocosphere, slightly destroyed  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.88  
Stereoscan micrograph 294/10, 8,070 ×
- 2: Oblique view on the distal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.184  
Stereoscan micrograph 317/7, 10,770 ×
- 3: Distal view  
Miravetes; *euxina*-zone, *C. elliptica*-subzone, All 71.166  
Stereoscan micrograph 167/7, 12,100 ×
- 4: Lateral view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.159  
Stereoscan micrograph 216/8, 12,100 ×
- Fig. 5–10      *Microstaurus* sp 32 . . . . . p. 182
- 5: Distal view  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.122  
Stereoscan micrograph 266/1, 8,070 ×
- 6: Same specimen as Fig. 5; lateral view  
Stereoscan micrograph 265/12, 8,070 ×
- 7: Oblique view on the distal side  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.122  
Stereoscan micrograph 291/7, 8,070 ×
- 8: Same specimen as Fig. 7; lateral view  
Stereoscan micrograph 291/6, 8,070 ×
- 9: Oblique view on the distal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.88  
Stereoscan micrograph 294/12, 8,070 ×
- 10: Same specimen as Fig. 9; lateral view  
Stereoscan micrograph 294/11, 8,070 ×
- Fig. 11, 12      *Microstaurus* ? sp. 36 . . . . . p. 182
- 11: Oblique view on the distal side  
Miravetes; *jacobi*-zone, *Cr. intermedia*-subzone, All 71.109  
Stereoscan micrograph 212/2, 10,770 ×
- 12: Oblique view on the distal side  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.141  
Stereoscan micrograph 178/11, 10,770 ×



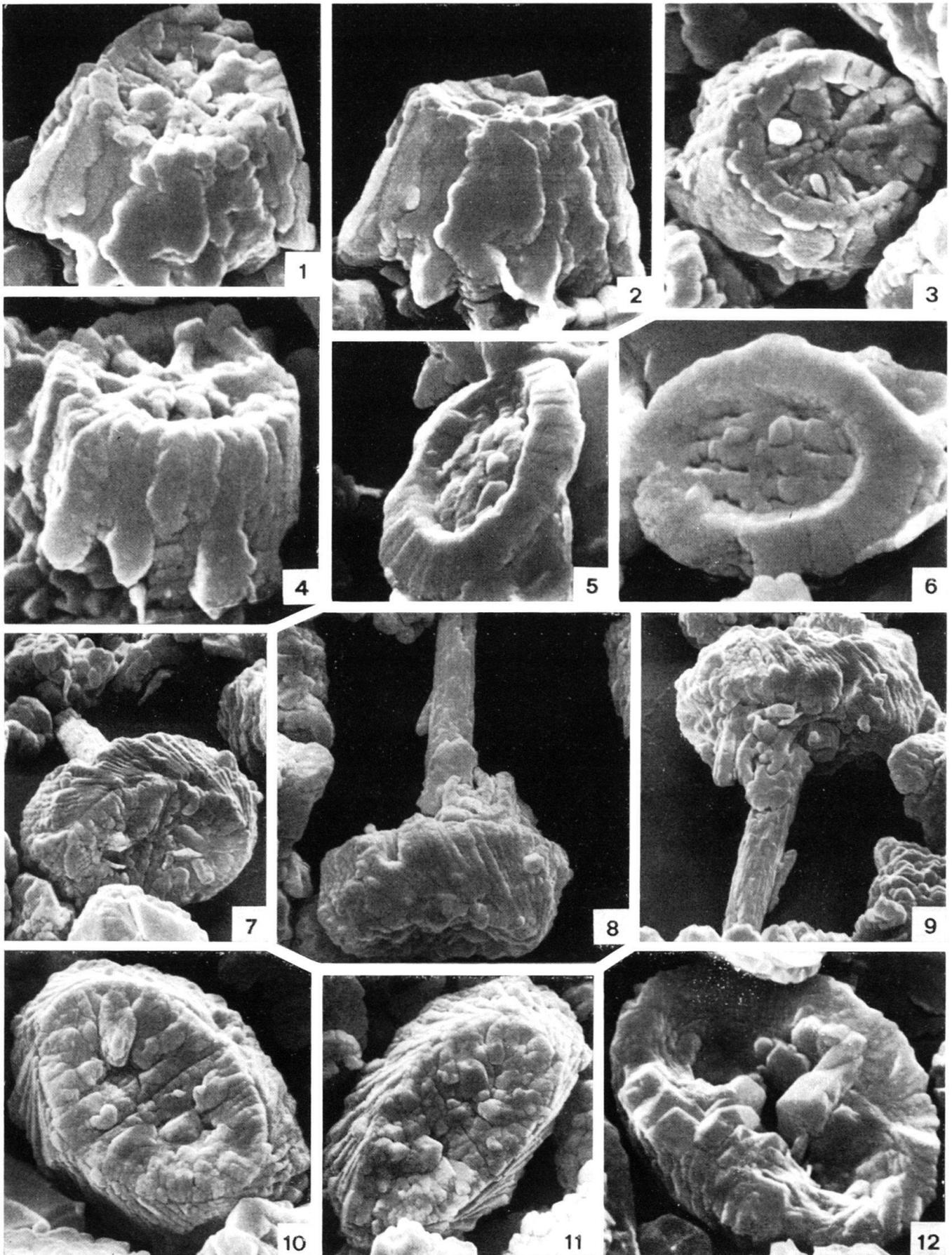
## Plate VI

- Fig. 1–4      *Microstaurus* ? sp. 36 . . . . . p. 182  
1: Distal view  
Miravetes; *jacobi*-zone, *Cr. intermedia*-subzone, All 71.109  
Stereoscan micrograph 211/11, 10,770 ×  
2: Same specimen as Fig. 1: oblique view on the distal side  
Stereoscan micrograph 211/12, 10,670 ×  
3: Same specimen as Fig. 1; oblique view on the distal side  
Stereoscan micrograph 212/1, 10,770 ×  
4: Lateral view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.144  
Stereoscan micrograph 162/10, 10,770 ×
- Fig. 5, 6      *Grantarhabdus meddii* BLACK, 1971 . . . . . p. 182  
5: Distal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 314/1, 8,070 ×  
6: Same specimen as Fig. 5; oblique view on the distal side  
Stereoscan micrograph 313/12, 8,070 ×
- Fig. 7, 8      *Grantarhabdus bukryi* BLACK, 1972 . . . . . p. 183  
7: Distal view  
Miravetes; *picteti-malbosi*-zone, *Cps. simplex*-subzone, All 71.189  
Stereoscan micrograph 317/12, 10,770 ×  
8: Same specimen as Fig. 7; oblique view on the distal side  
Stereoscan micrograph 317/11, 10,770 ×
- Fig. 9–12      *Miravetesina favula* GRÜN, n. sp. . . . . p. 185  
9: Oblique view on the distal side  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.131  
Stereoscan micrograph 266/5, 8,070 ×  
10: Oblique view on the distal side  
Miravetes; *picteti-malbosi*-zone, *Cps. simplex*-subzone, All 71.197  
Holotype; Stereoscan micrograph 323/8, 10,770 ×  
11: Same specimen as Fig. 10; distal view  
Holotype; Stereoscan micrograph 323/7, 10,770 ×  
12: Distal side, destroyed specimen  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.140  
Stereoscan micrograph 263/9, 8,070 ×



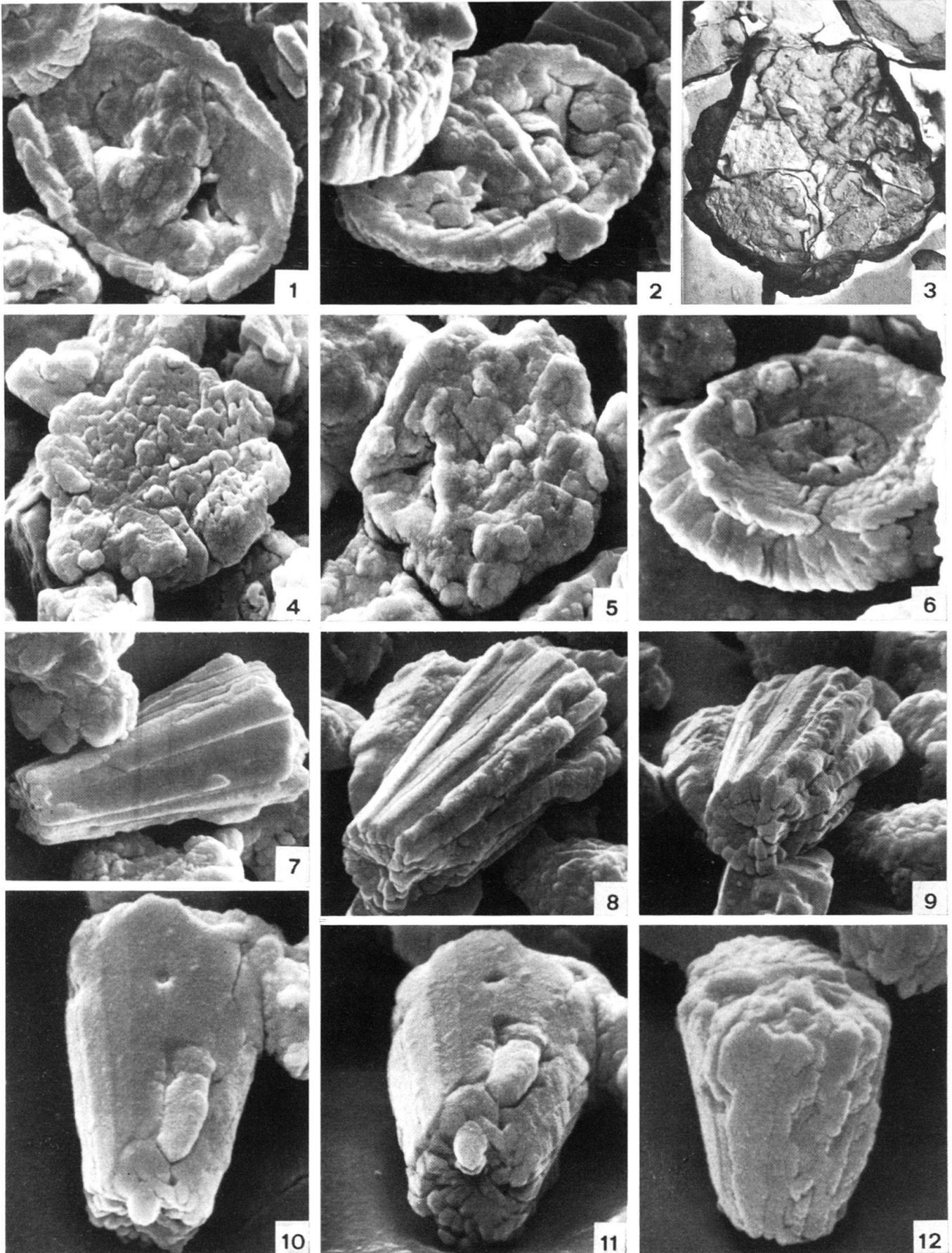
## Plate VII

- Fig. 1-3      *Stephanolithion caravacaensis* GRÜN, n. sp. . . . . p. 188  
1: Oblique view on the proximal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.144  
Holotype: Stereoscan micrograph 162/1, 12,050 ×  
2: Same specimen as Fig 1; lateral view  
Holotype: Stereoscan micrograph 162/2, 12,050 ×  
3: Proximal view  
Miravetes; *euxina*-zone, *C. elliptica*-subzone, All 71.143  
Stereoscan micrograph 292/1, 12,050 ×
- Fig. 4      *Stephanolithion laffittei* NOËL, 1956 . . . . . p. 187  
Oblique view on the proximal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.144  
Stereoscan micrograph 162/11, 16,100 ×
- Fig. 5, 6      *Sollasites horticus* (STRADNER, ADAMIKER & MARESCH, 1966) BLACK, 1968 p. 189  
5: Oblique view on the distal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.182  
Stereoscan micrograph 182/3, 13,500 ×  
6: Same specimen as Fig. 5; distal view  
Stereoscan micrograph 182/5, 13,500 ×
- Fig. 7-11      *Parhabdolithus embergeri* (NOËL, 1958) STRADNER, 1963 . . . . . p. 191  
7: Oblique view on the proximal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.161  
Stereoscan micrograph 312/1, 5,400 ×  
8: Same specimen as Fig. 7; lateral view  
Stereoscan micrograph 312/2, 5,400 ×  
9: Same specimen as Fig. 7; oblique view on the distal side  
Stereoscan micrograph 312/3, 5,400 ×  
10: Proximal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 221/8, 8,070 ×  
11: Proximal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 220/12, 6,100 ×
- Fig. 12      *Zygodiscus* sp. cf. *Z. compactus* BUKRY, 1969 . . . . . p. 192  
Distal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71. 181  
Stereoscan micrograph 315/9, 10,770 ×



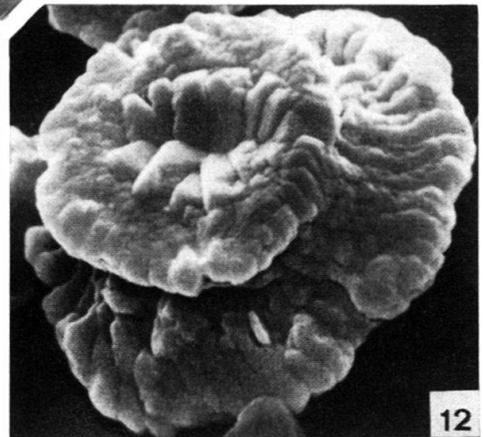
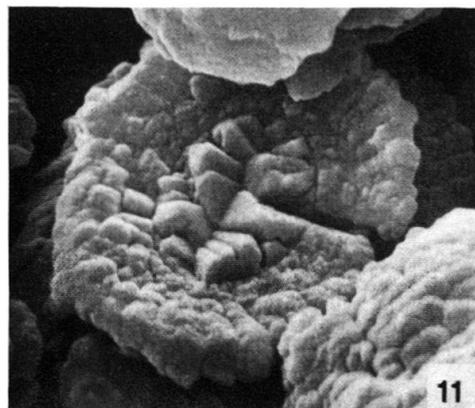
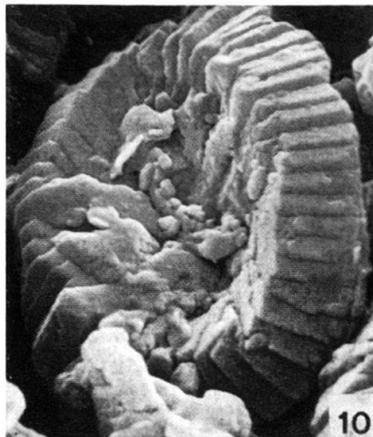
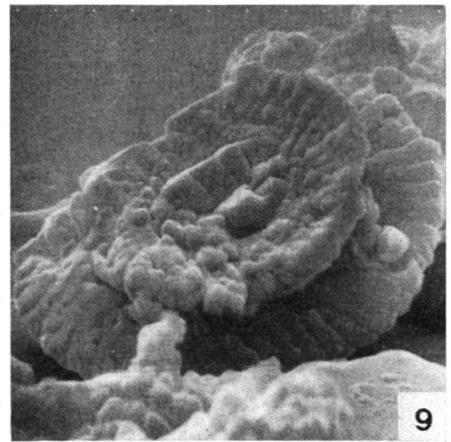
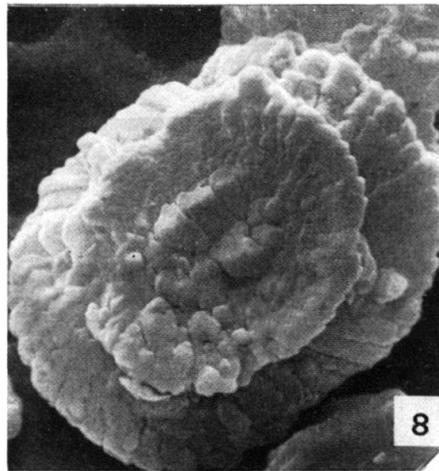
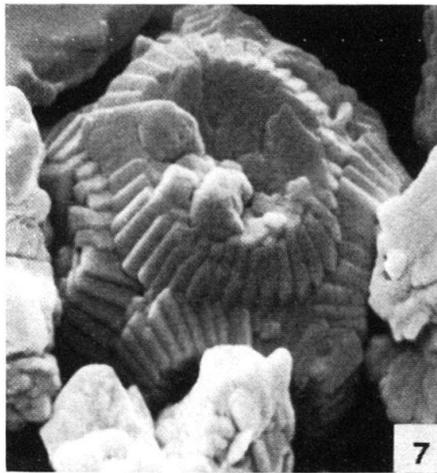
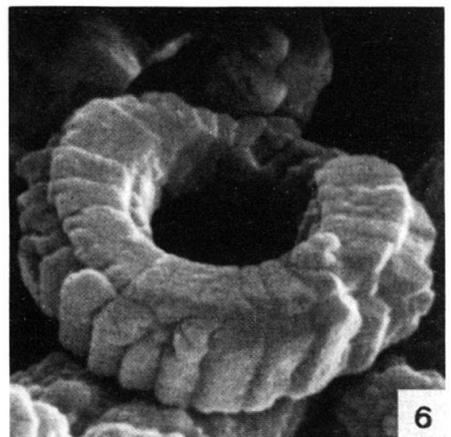
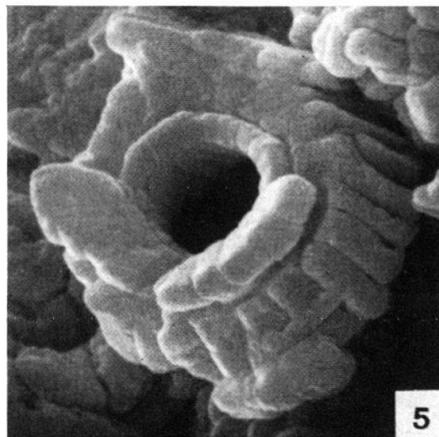
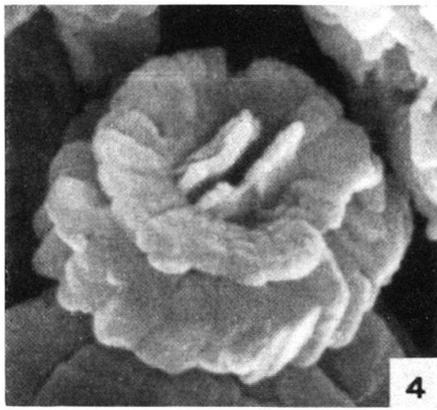
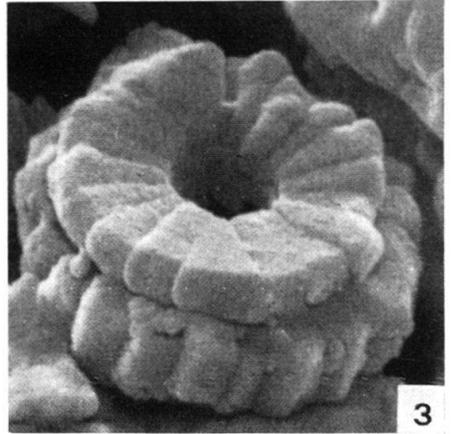
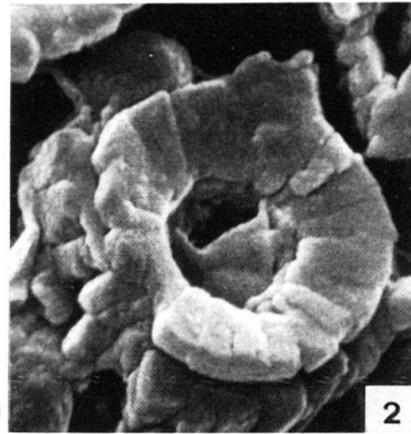
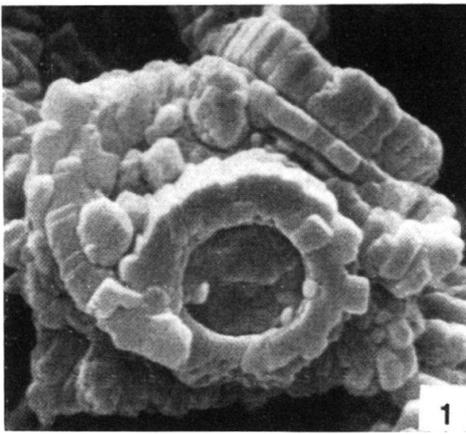
## Plate VIII

- Fig. 1, 2      *Zygodiscus* sp. cf. *Z. compactus* BUKRY, 1969 . . . . . p. 192  
1: Distal view  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.141  
Stereoscan micrograph 264/2, 10,770 ×  
2: Distal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 313/8, 10,770 ×
- Fig. 3–5      *Micrantholithus crenulatus* BRAMLETTE & SULLIVAN, 1961 . . . . . p. 192  
3: Plan view  
Cehegin–Big Tree section; lower Barremian, All 69.23  
Transmission electronmicrograph 2385/69, 5,400 ×  
4: Plan view  
Cehegin–Middle Ridge section; upper Hauterivian, All 68.38  
Stereoscan micrograph 459/3, 8,070 ×  
5: Plan view  
Cehegin–Middle Ridge section; lower Barremian, All 68.45  
Stereoscan micrograph 553/7, 6,100 ×
- Fig. 6      *Markalius inversus* (DEFLANDRE, 1954) BRAMLETTE & MARTINI, 1964 . . . p. 199  
Oblique view on the proximal side  
Cehegin–Middle Ridge section; Hauterivian, All 68.26  
Stereoscan micrograph 552/1, 8,070 ×
- Fig. 7–12      *Conusphaera mexicana* TREJO, 1969 . . . . . p. 195  
7: Lateral view  
Miravetes; *jacobi*-zone, *Cr. intermedia*-subzone, All 71.103  
Stereoscan micrograph 211/5, 8,070 ×  
8: Oblique view on the proximal side  
Miravetes; *jacobi*-zone, *Cr. intermedia*-subzone, All 71.103  
Stereoscan micrograph 211/2, 8,070 ×  
9: Same specimen as Fig. 8; proximal view  
Stereoscan micrograph 211/3, 8,070 ×  
10: Lateral view  
Miravetes; *jacobi*-zone, *Cr. intermedia*-subzone, All 71.109  
Stereoscan micrograph 212/4, 12,050 ×  
11: Same specimen as Fig. 10; oblique view on the proximal side  
Stereoscan micrograph 212/5, 12,050 ×  
12: Oblique view on the distal side  
Miravetes; *jacobi*-zone, *C. alpina*-subzone, All 71.119  
Stereoscan micrograph 214/4, 12,050 ×



## Plate IX

- Fig. 1–6      *Diazomatolithus subbeticus* GRÜN, n. sp. . . . . p. 196
- 1: Coccosphere, heavily destroyed  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.161  
Stereoscan micrograph 217/4, 10,770 ×
- 2: Proximal view  
Miravetes; *jacobi*-zone, *C. alpina*-subzone, All 71.119  
Stereoscan micrograph 126/4, 16,100 ×
- 3: Oblique view on the proximal side  
Miravetes; *callisto*-zone, *simplex-oblonga-dadayi*-subzone, All 71.211  
Holotype; Stereoscan micrograph 436/7, 14,500 ×
- 4: Oblique view on the proximal side  
Miravetes; *picteti-malbosi*-zone, *Cps. simplex*-subzone, All 71.197  
Stereoscan micrograph 318/5, 13,500 ×
- 5: Oblique view on the proximal side  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 222/6, 12,100 ×
- 6: Oblique view on the proximal side  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.122  
Stereoscan micrograph 171/3, 16,100 ×
- Fig. 7–12      *Markalius ellipticus* GRÜN, n. sp. . . . . p. 200
- 7: Coccosphere  
Chegin–Middle Ridge section; Hauterivian, All 68.23  
Stereoscan micrograph 551/3, 6,100 ×
- 8: Proximal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Holotype; Stereoscan micrograph 219/4, 6,100 ×
- 9: Same specimen as Fig. 8; oblique view on the proximal side  
Holotype; Stereoscan micrograph 219/5, 6,100 ×
- 10: Distal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.89  
Stereoscan micrograph 68/3, 8,070 ×
- 11: Proximal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.161  
Stereoscan micrograph 217/9, 8,070 ×
- 12: Oblique view on the proximal side  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.122  
Stereoscan micrograph 265/11, 8,070 ×



## Plate X

- Fig. 1–12      *Tubodiscus verenae* THIERSTEIN, 1973, emend. GRÜN . . . . . p. 197
- 1: Proximal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90  
Stereoscan micrograph 319/10, 5,400 ×
- 2: Same specimen as Fig. 1; oblique view on the proximal side  
Stereoscan micrograph 319/11, 6,700 ×
- 3: Oblique view on the proximal side  
Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.139  
Stereoscan micrograph 272/9, 8,070 ×
- 4: Lateral view  
Deepwell Nieuwerkerk 1 (Netherlands); lower Aptian, Str. 23  
Stereoscan micrograph 379/10, 12,900 ×
- 5: Distal view  
Cehegin–Middle Ridge section; upper Valanginian, All 69.84  
Stereoscan micrograph 471/5, 8,070 ×
- 6: Distal view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.144  
Stereoscan micrograph 162/8, 6,100 ×
- 7: Lateral view  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.153  
Stereoscan micrograph 297/3, 10,770 ×
- 8: Same specimen as Fig. 6; oblique view on the distal side  
Stereoscan micrograph 162/9, 6,100 ×
- 9: Proximal view  
Deepwell Nieuwerkerk 1 (Netherlands); lower Aptian, Str. 23  
Stereoscan micrograph 379/2, 9,700 ×
- 10: Distal view, broken specimen  
Cehegin–Middle Ridge section; upper Valanginian, All 69.84  
Stereoscan micrograph 472/1, 8,070 ×
- 11: Oblique view on the distal side of broken specimen  
Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.172  
Stereoscan micrograph 315/1, 10,770 ×
- 12: Same specimen as Fig. 11; lateral view  
Stereoscan micrograph 315/2, 10,770 ×

