

Fig. 20. *Eleutherobia doffeini* (Kükenthal), MZW 61; a, polyp: 1, points; 2, crown; 3, introvert; 4, distal part of calyx; b-c, sclerites from calyx; f-h, sclerites from surface layer of stalk; i, j, sclerites from interior of stalk. Enlargement of a indicated by 1 mm bar; that of b-j by 0.10 mm bar.

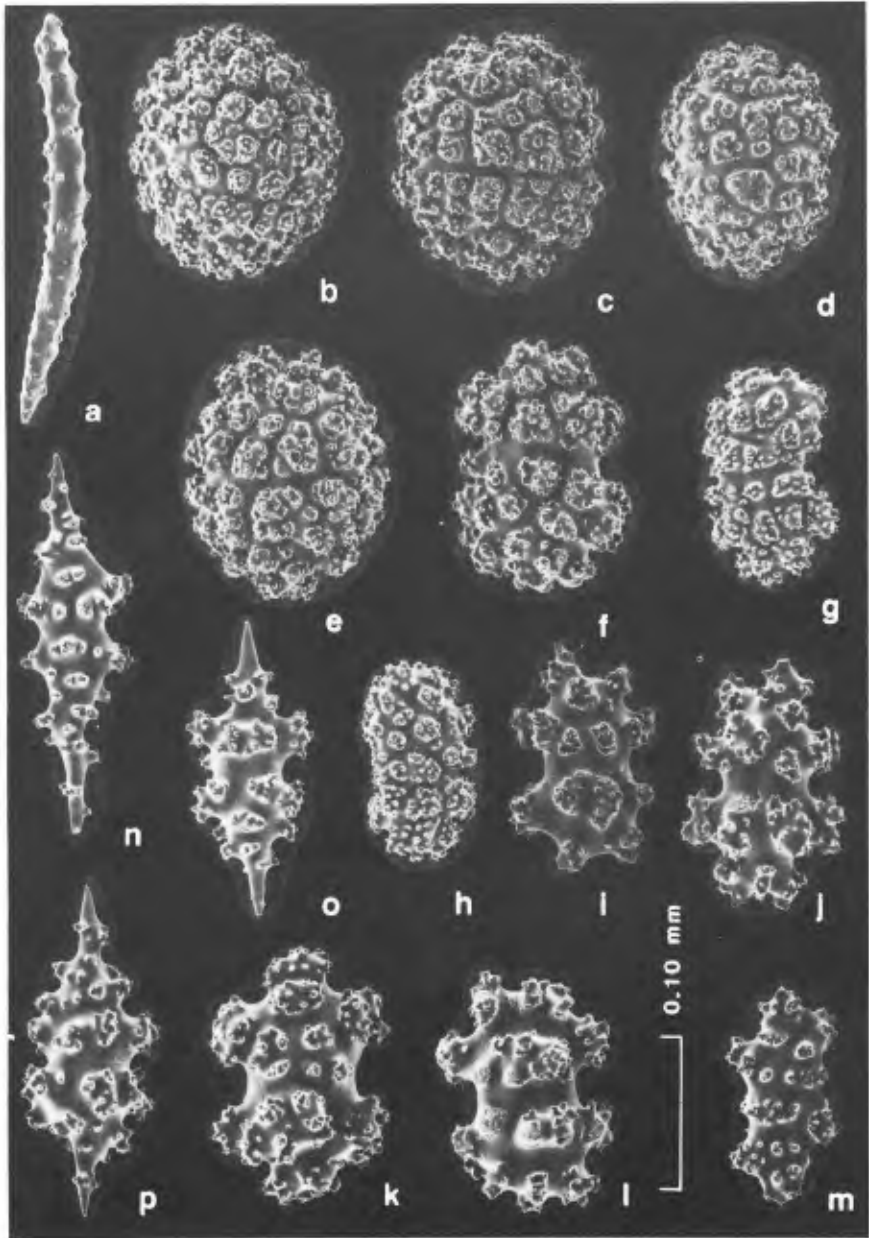


Fig. 21. *Eleutherobia duriuscula* (Thomson & Dean), ZMA Coel. 2974. Sclerites: a, from anthocodia; b-j, from calyx wall; k-m, from surface of stalk; n-p, from interior of stalk. Enlargement indicated by 0.10 mm bar.

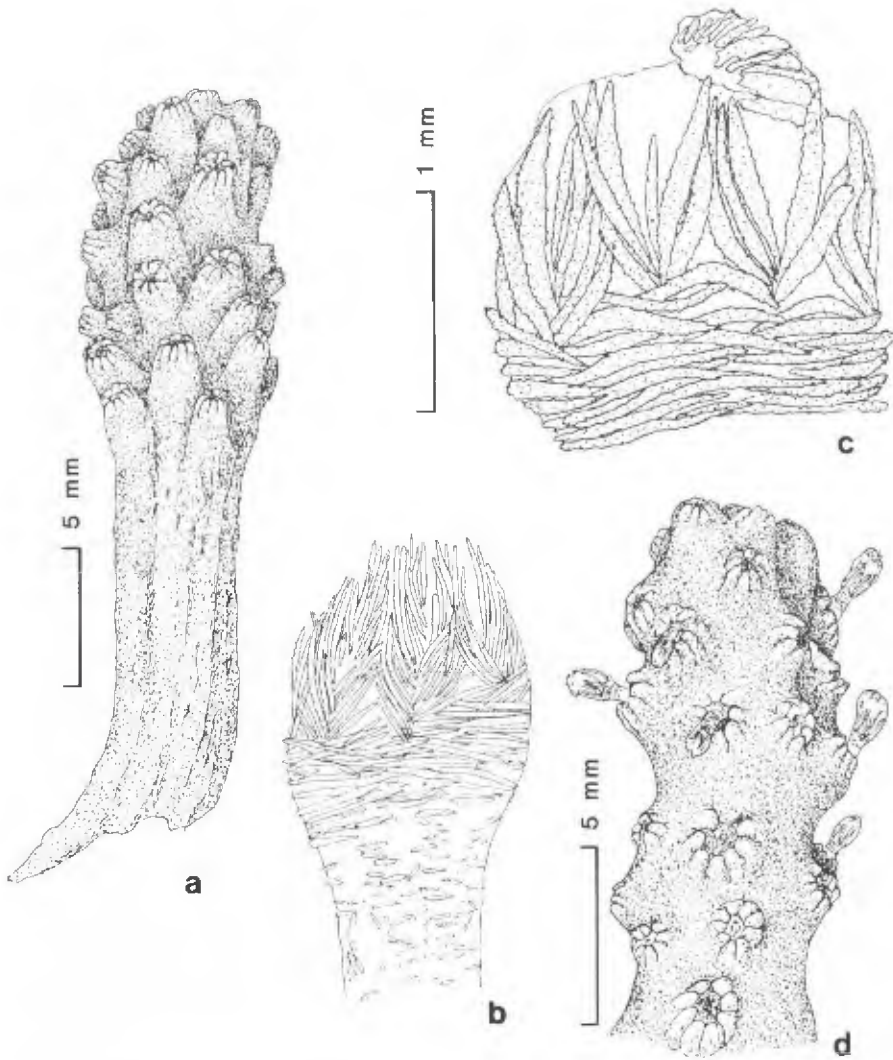


Fig. 22. *Eleutherobia unicolor* (Kükenthal). MZW 51; a, (fig. 32c), lectotype; b, anthocodial armature. *Eleutherobia dariusecula* (Thomson & Dean), ZMA Coel.2974; c, anthocodial armature; d, part of the polyparium. Enlargement of a indicated by 5 mm bar; that of b and c by 1 mm bar; that of d by 5 mm bar.

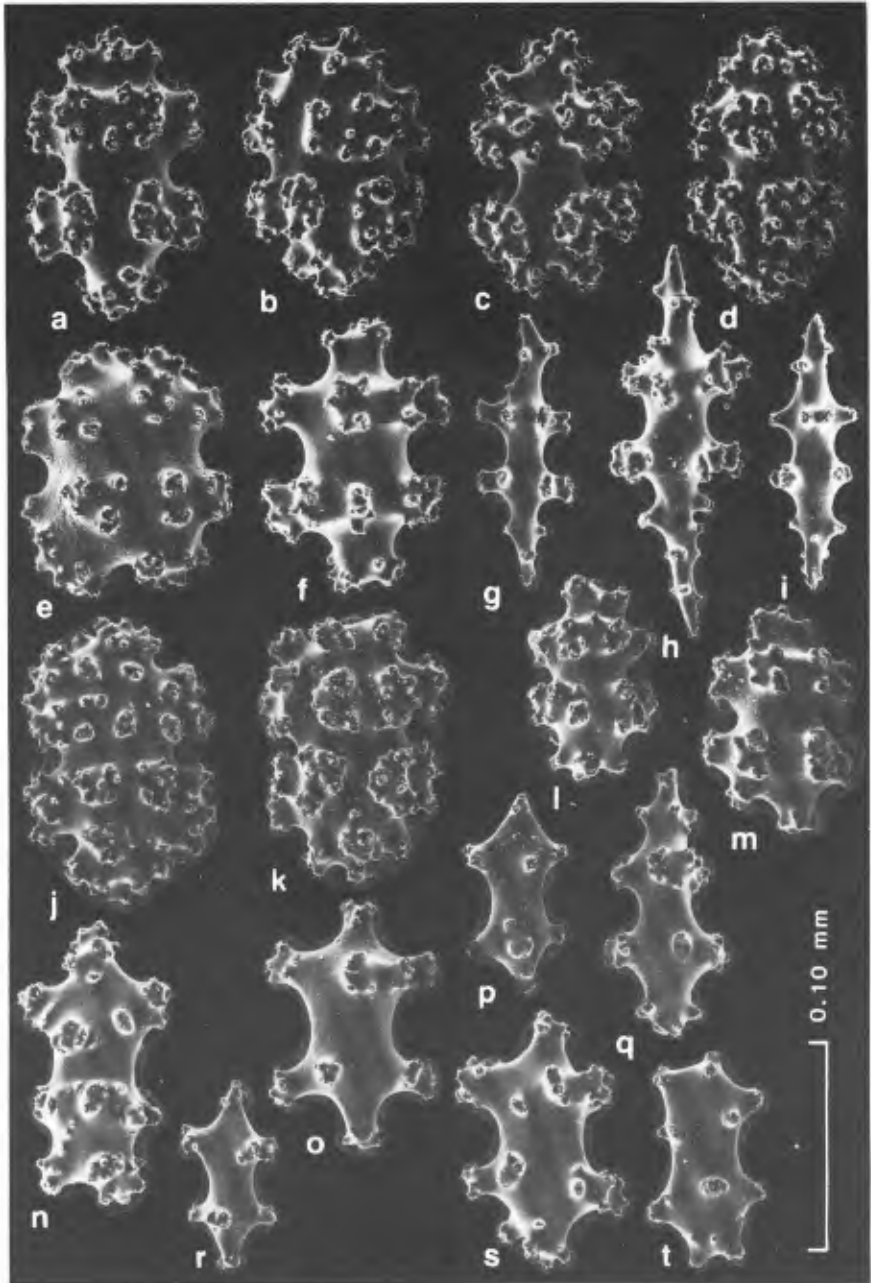


Fig. 23. *Eleutherobia flava* (Nutting), USNM 30089. Sclerites: a-i, from surface layer of parapodium; j-m, from surface layer of stalk; n-t, from interior of stalk. Enlargement indicated by 0.10 mm bar.

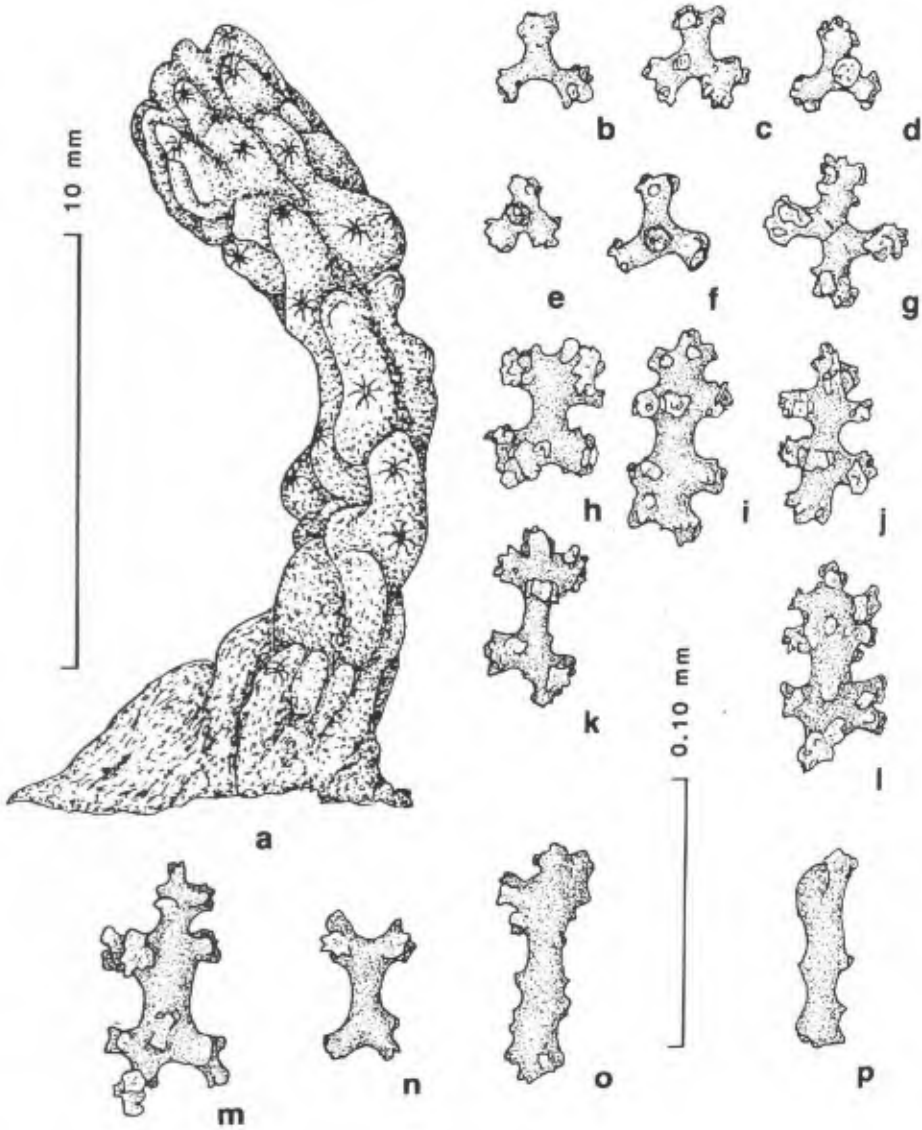


Fig. 24. *Eleutherobia grayi* (Thomson & Dean), ZMA Coel.2976; a, lectotype; b-p, sclerites from calyx and surface layer of polyparium. Enlargement of a indicated by 10 mm bar; that of b-p by 0.10 mm bar.

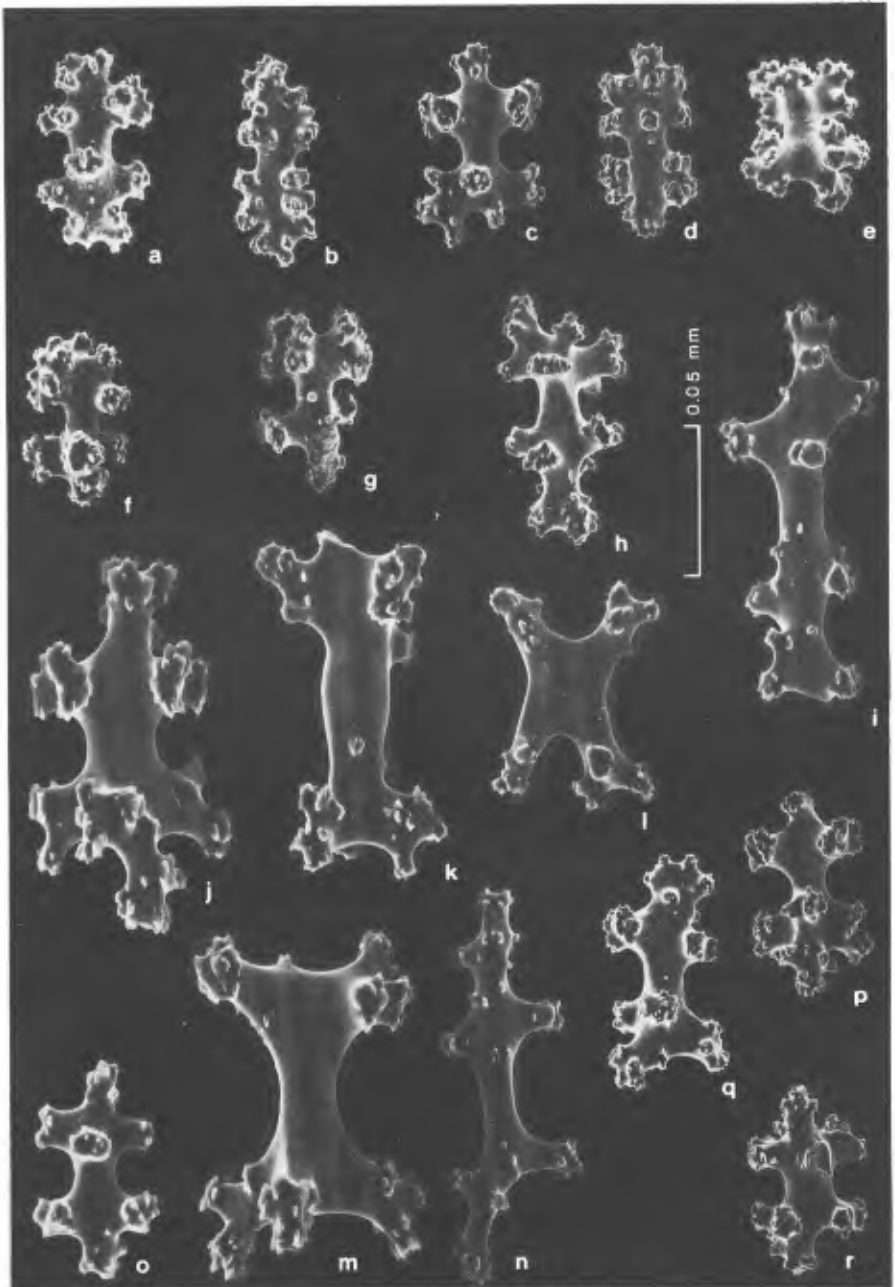


Fig. 25. *Eleutherobia grayi* (Thomson & Dean), ZMA Coel.2976. Sclerites: a-h, from calyx and surface layer of polyparium; i-r, from interior of polyparium. Enlargement indicated by 0.05 mm bar.



Fig. 26. *Eleutherobia rigida* (Pütter), ZMH C2456, lectotype. Enlargement indicated by 10 mm bar.

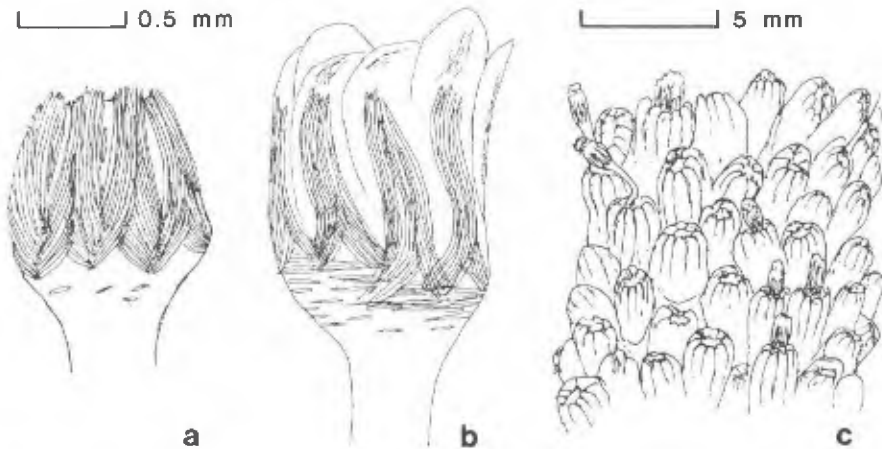


Fig. 27. *Eleutherobia rigida* (Pütter); a, MZW 4695, anthocodial armature; b, ZMH C2456, anthocodial armature; c, ZMH C2456, part of polyparium. Enlargement of a and b indicated by 0.5 mm bar; that of c by 5 mm bar.

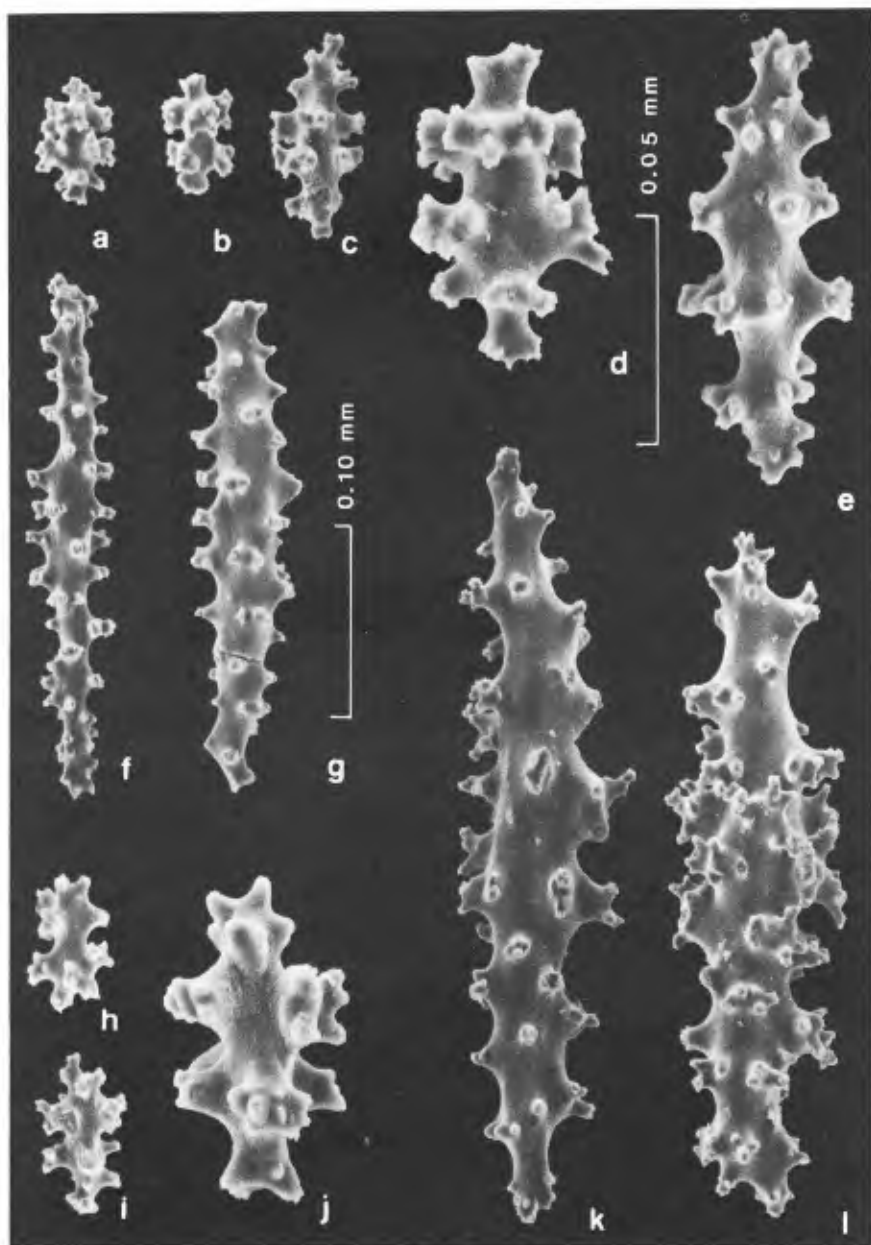


Fig. 28. *Eleutherobia rigida* (Pütter). ZMH 2456. Sclerites: a-e, from outer layer of calyx; f, g, from inner layer of calyx; h-j, from surface layer of stalk; k, l, from interior of stalk. Enlargement of a-c, f-i, k, and l indicated by 0.10 mm bar; that of d, e, and j by 0.05 mm bar.



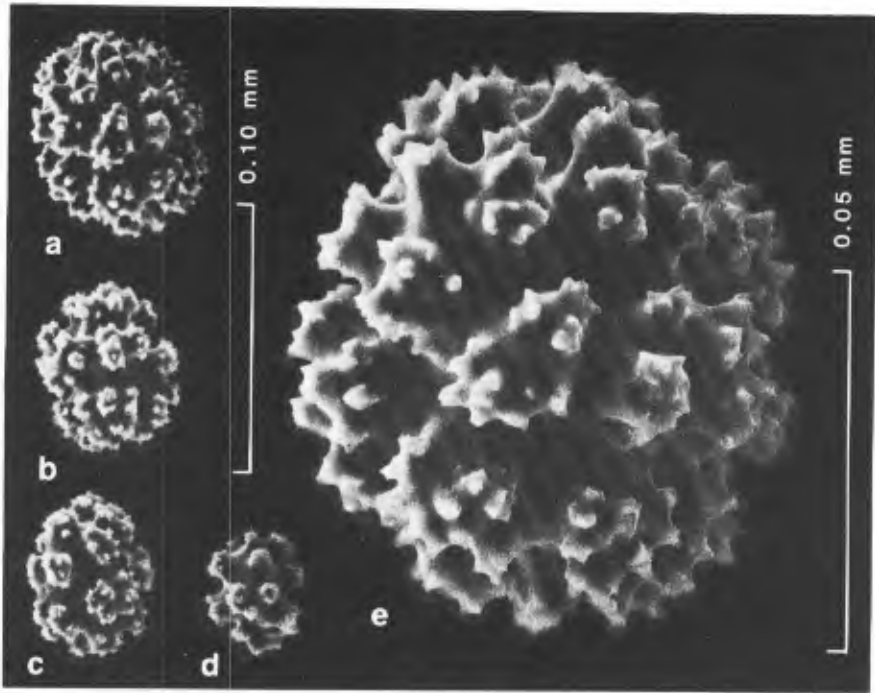


Fig. 29. *Eleutherobia rotifera* (J. S. Thomson), MNHN. Sclerites from calyx wall. Enlargement of a-d indicated by 0.10 mm bar; that of e by 0.05 mm bar.

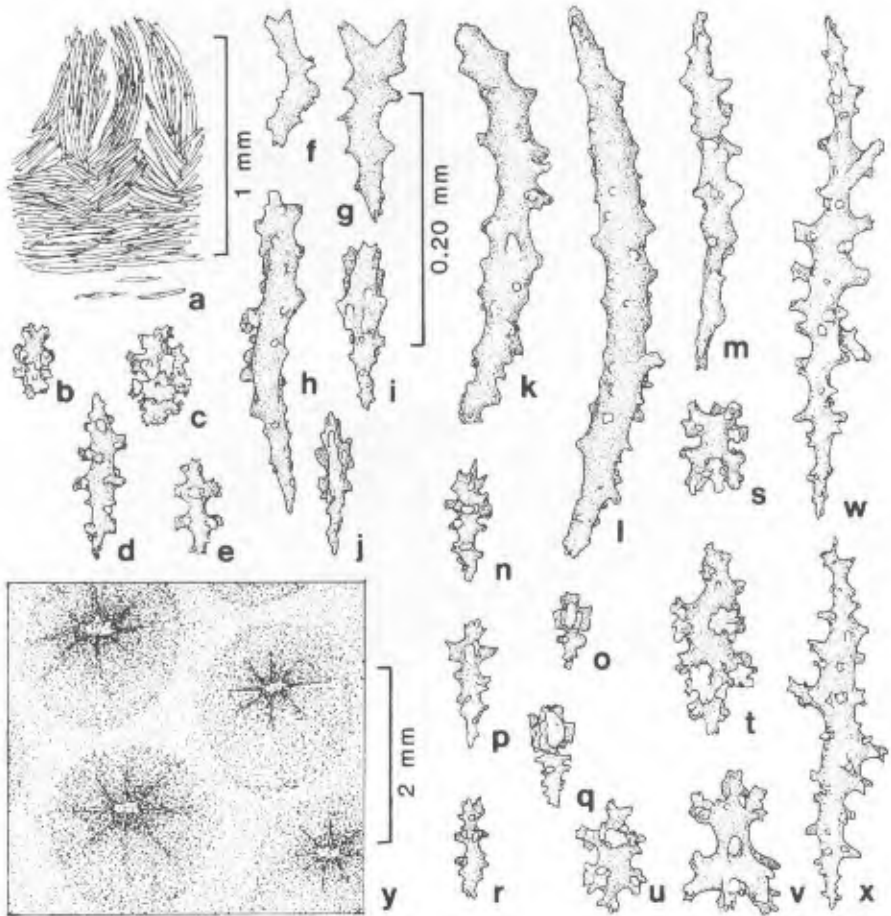


Fig. 30. *Eleutherobia rubra* (Brundin), UUZM 72a; a, anthocodial armature; b-e, sclerites from calyx; f-k, sclerites from tentacles; l, m, sclerites from crown and points; n-r, sclerites from introvert; s-u, sclerites from surface layer of stalk; v-x, sclerites from interior of polyarium; y, surface view of calyces. Enlargement of a indicated by 1 mm bar; that of b-x by 0.20 mm bar; that of y by 2 mm bar.

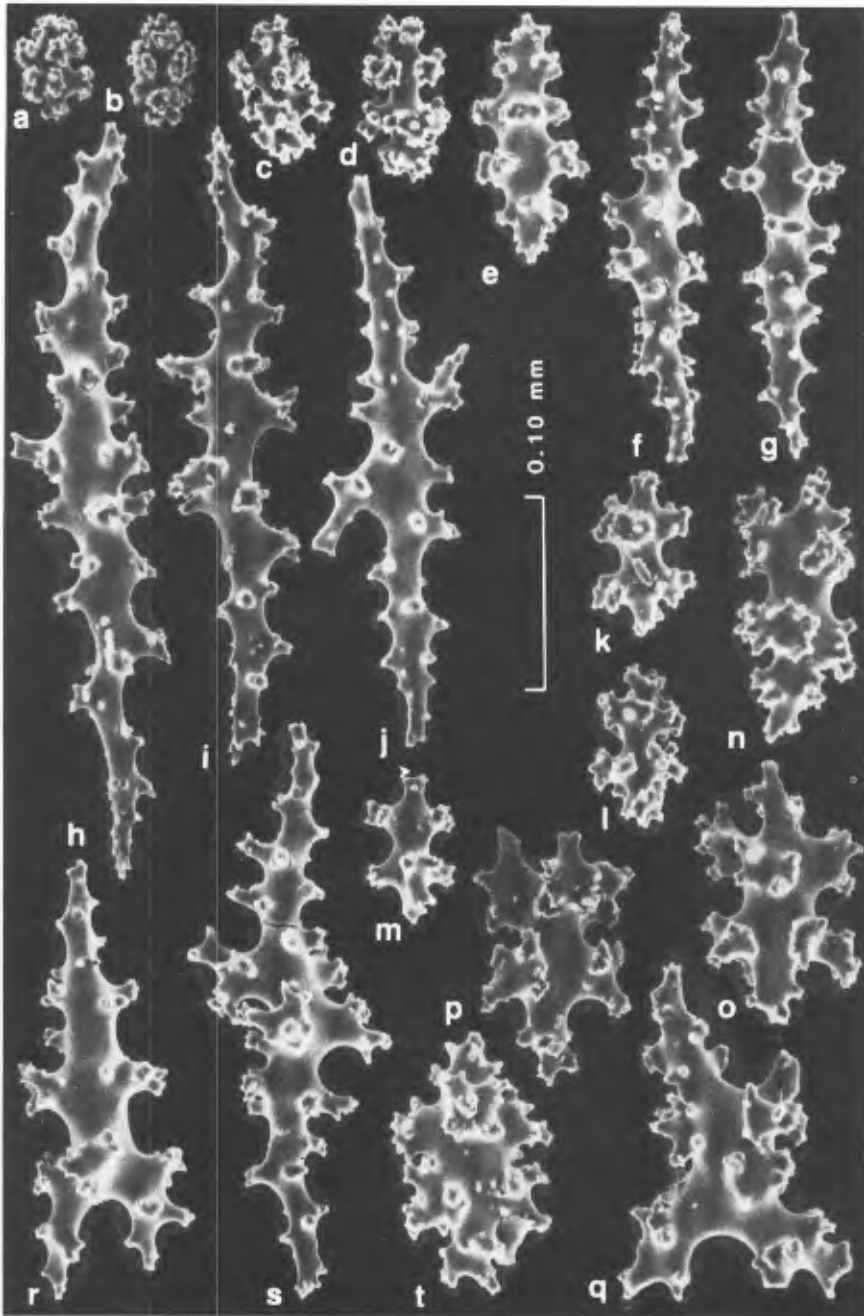


Fig. 31. *Eleutherobia rubra* (Brundin), UUZM 72a. Sclerites: a-g, from calyx wall; h-j, from interior polyparium; k-q, from surface layer stalk; r-t, from interior stalk. Enlargement indicated by 0.10 mm bar.

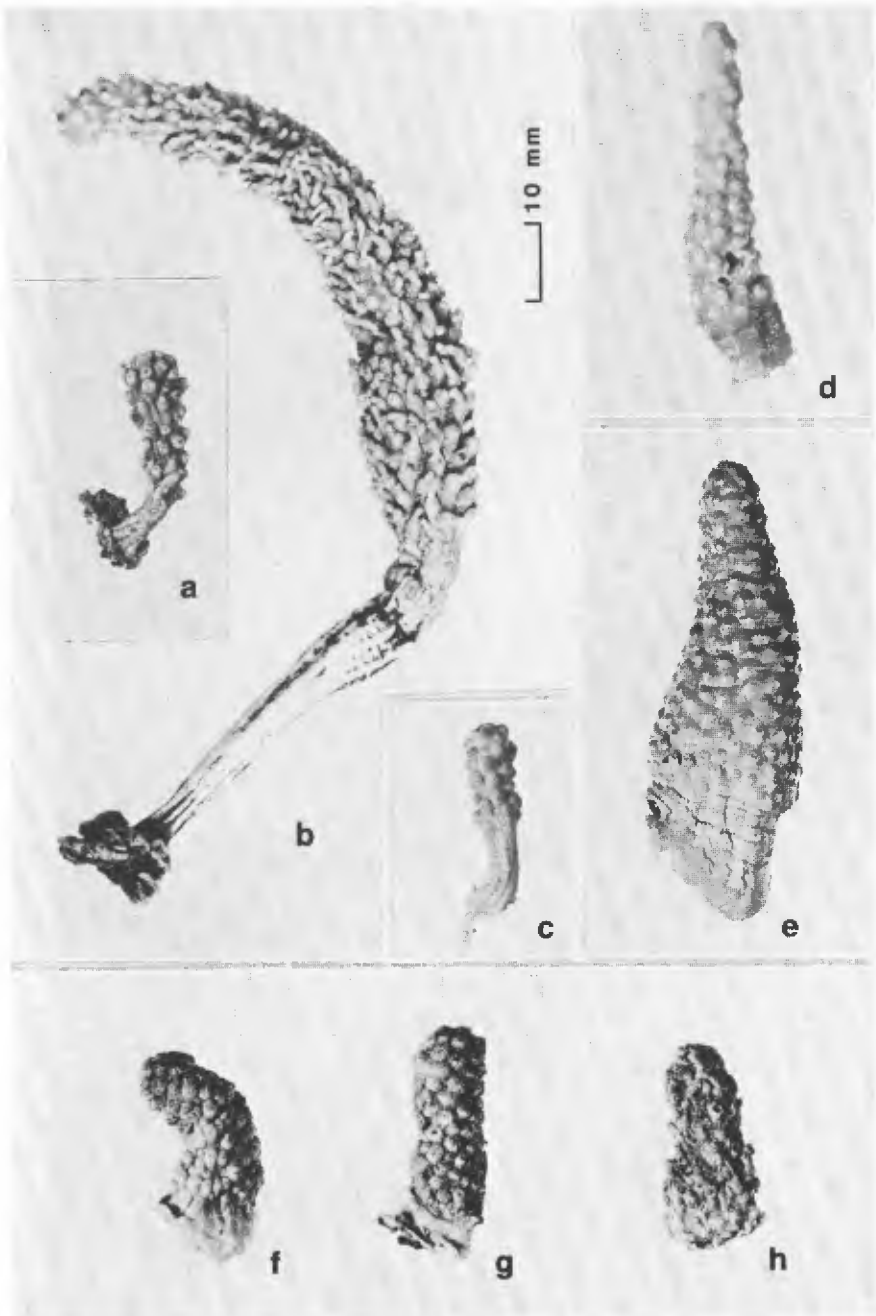


Fig. 32. Colonies of *Eleutherobia* species. a, *E. rigida* (Pütter), MZW 4695; b, *E. rigida* (Pütter), USNM 76997; c, *E. unicolor* (Kükenthal), MZW 51, lectotype; d, *E. sumbawaensis* spec. nov., ZMA Coel.2973, holotype; e, *E. rubra* (Brundin), UUZM 72a, lectotype; f-h, *E. rubra* (Brundin), UUZM 63, paralectotypes. Enlargement indicated by 10 mm bar.

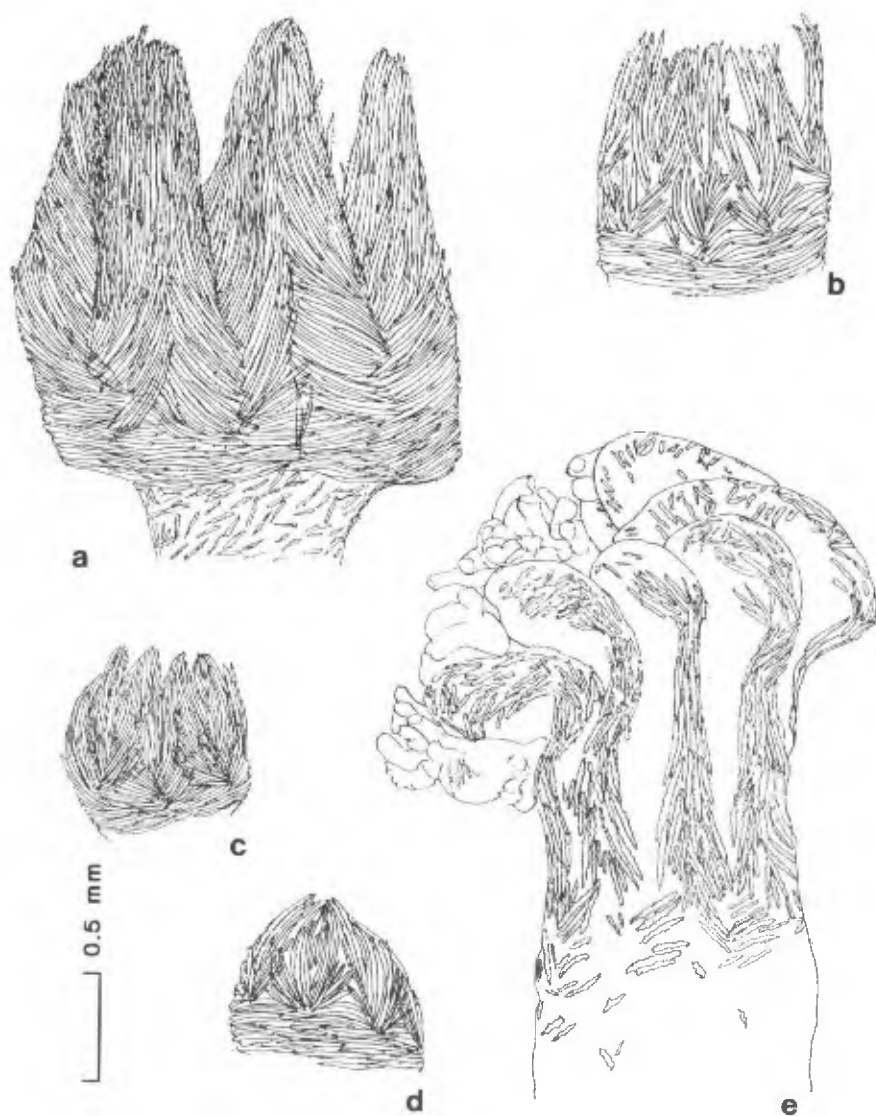


Fig. 33. Anthocodial armatures of *Eleutherobia* species. a, *E. splendens* (Thomson & Dean), ZMA Coel.2980; b, *E. somaliensis* spec. nov., USNM 77003; c, *E. flava* (Nutting), USNM 30089; d, *E. sumbawaensis* spec. nov., ZMA Coel.2973; e, *E. studeri* (J. S. Thomson), SAM H1249. Enlargement indicated by 0.5 mm bar.

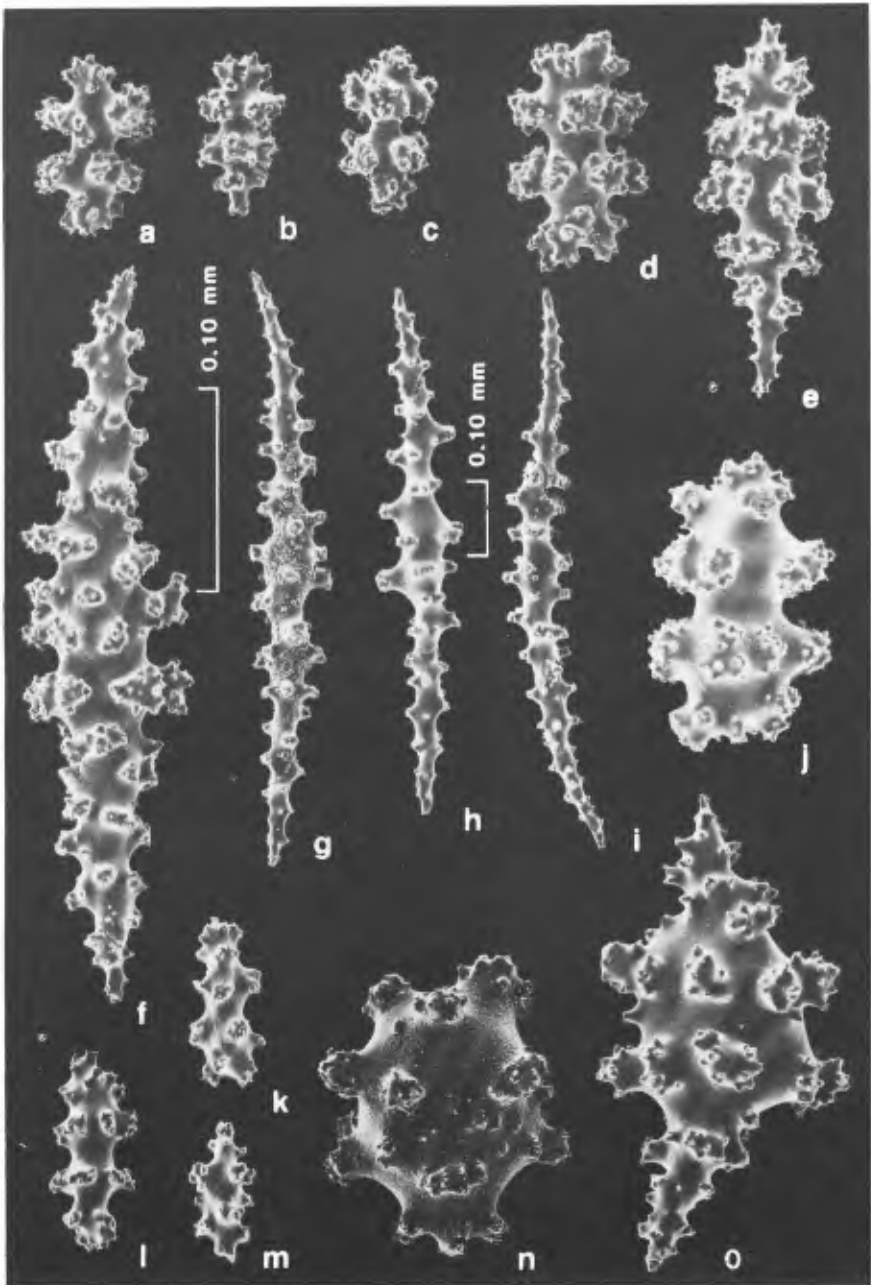


Fig. 34. *Eleutherobia somaliensis*, spec. nov., USNM 77003. Sclerites: a-f, from calyx wall; g-i from interior polyparium; j-o from surface stalk. Enlargement of a-f and j-o indicated by 0.10 mm bar at f; that of g-i by 0.10 mm bar at h.

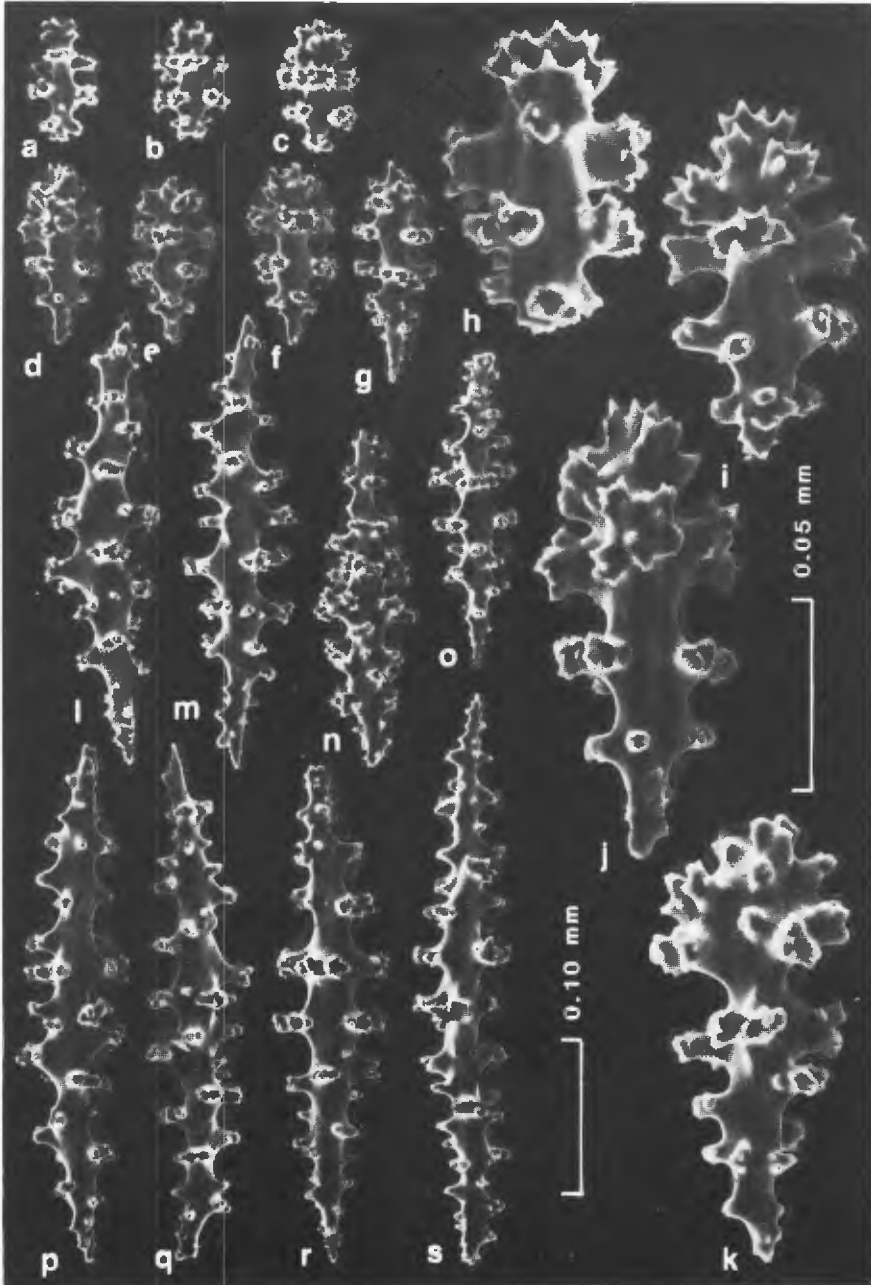


Fig. 35. *Eleutherobia splendens* (Thomson & Dean), ZMA Coel.2980. Sclerites: a-k, from outer layer of polyparium; l-s from interior of polyparium. Enlargement of a-g and l-s indicated by 0.10 mm bar; that of h-k by 0.05 mm bar.

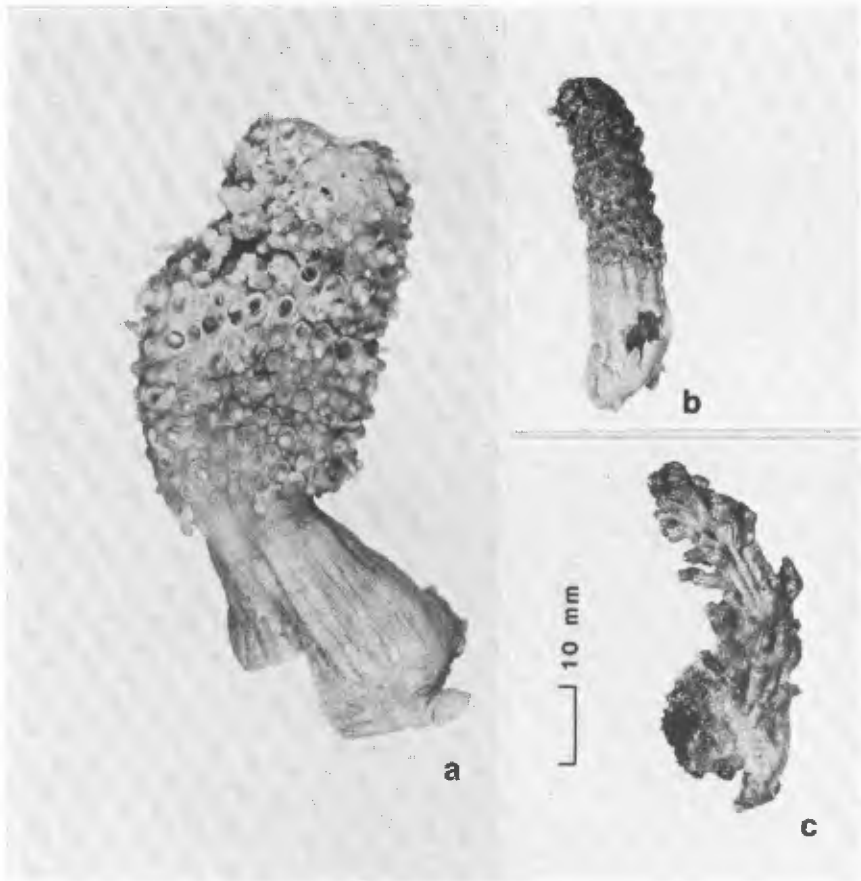


Fig. 36. Colonies of *Eleutherobia* species. a, *E. studeri* (J. S. Thomson), SAM H1249, holotype; b, the same species. BMNH 1962.7.20.31. "cotype"; c, *E. splendens* (Thomson & Dean), USNM 60411. Enlargement indicated by 10 mm bar.



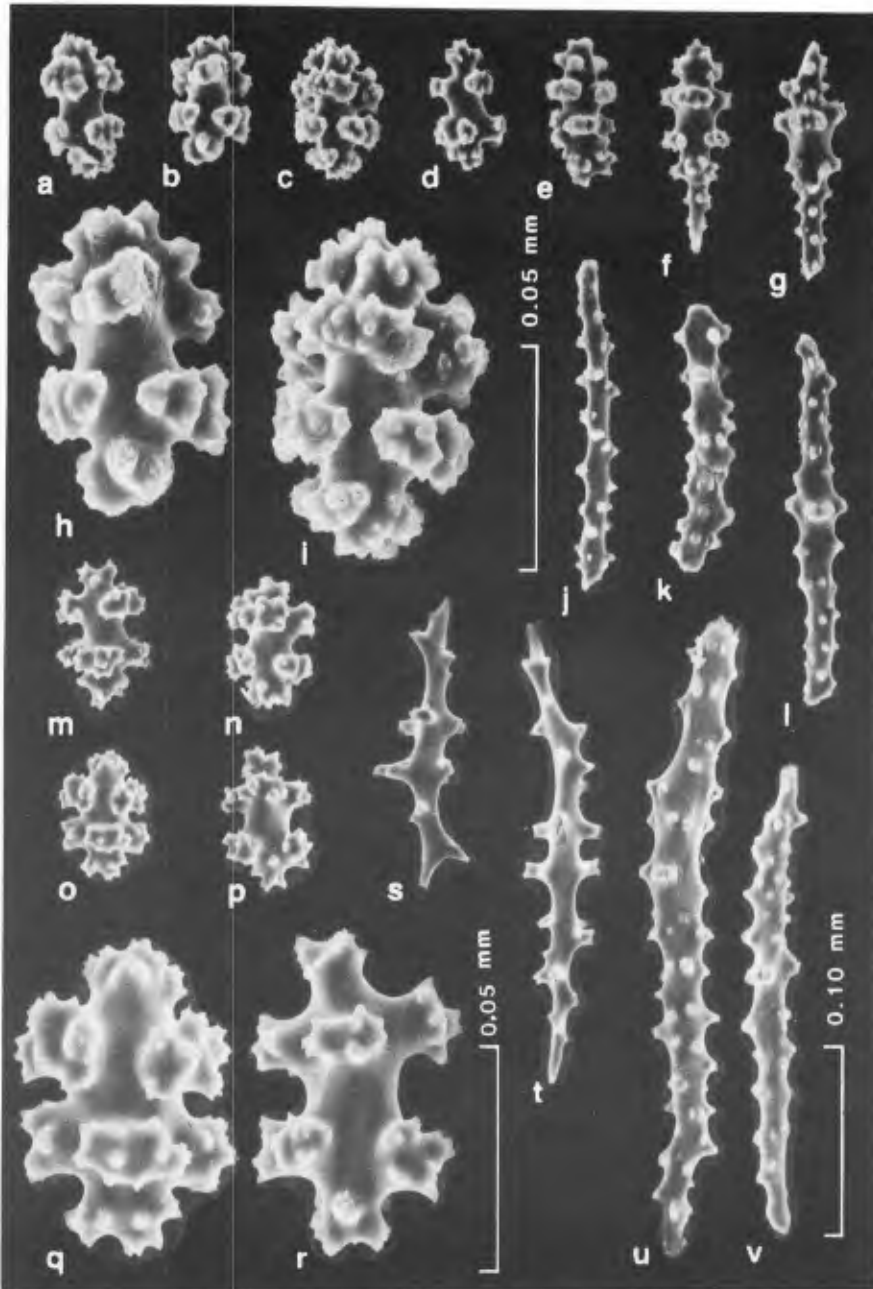


Fig. 37. *Eleutherobia studeri* (Stuart Thomson). SAM H1249. Sclerites: a-i, from calyx wall; j-r, from surface stalk; s-v, from interior stalk. Enlargement of a-g, j-p, s-v indicated by 0.10 mm bar; that of h, i, q, r by 0.05 mm bar.

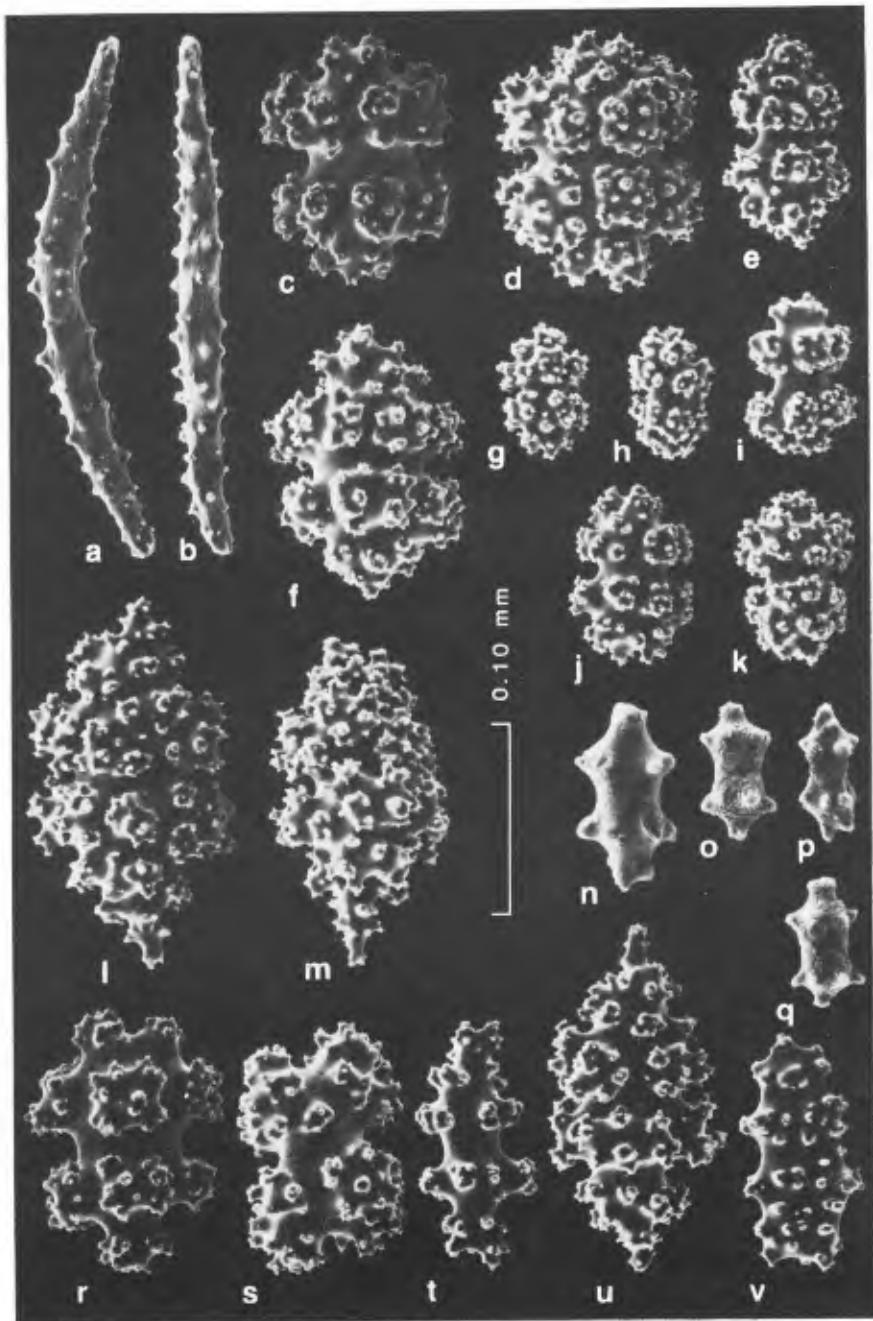


Fig. 38. *Eleutherobia sumbawaensis* spec. nov., ZMA Coel.2973. Sclerites: a, b, from anthocodia; c-q, from calyx and surface layer polyparium; r-v, from interior stalk. Enlargement indicated by 0.10 mm bar.

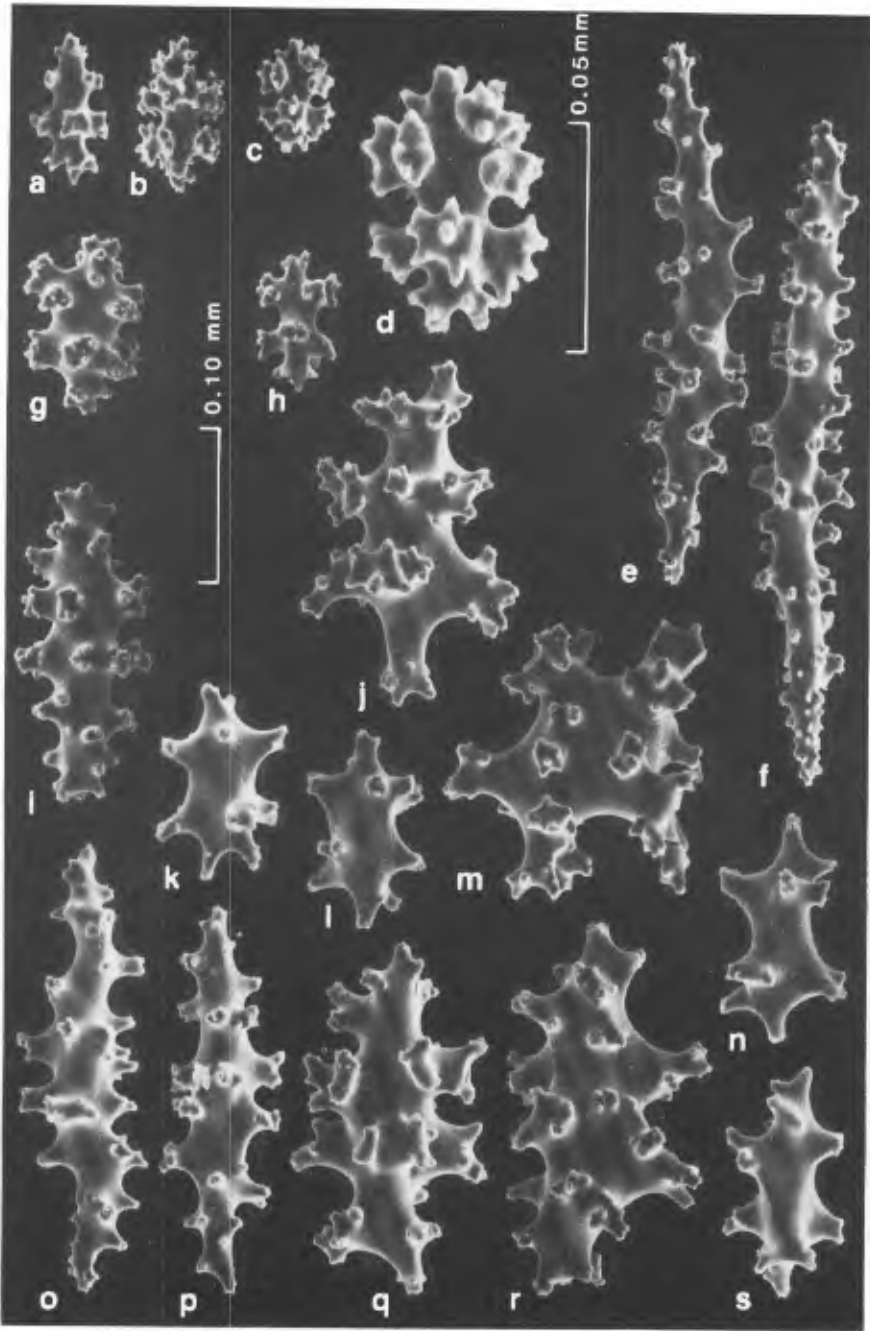


Fig. 39. *Eleutherobia unicolor* (Kükenthal), MZW 51. Sclerites: a-d, from outer layer of calyx; e, f, from inner layer of calyx; g-i from surface layer of stalk; j-s, from interior of stalk. Enlargement of d indicated by 0.05 mm bar; that of the other sclerites by 0.10 mm bar.

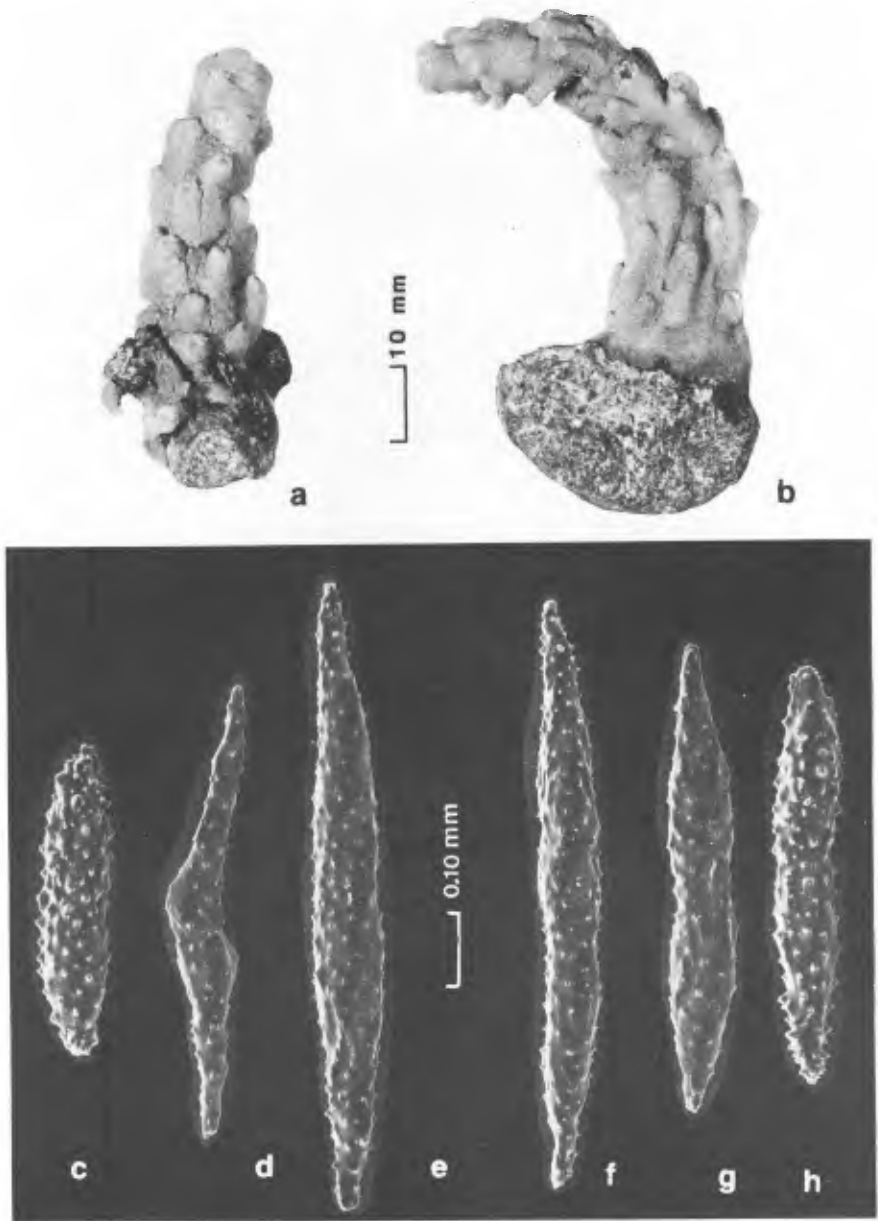


Fig. 40. *Inflatocalyx infirmata* gen. nov., spec. nov.; a, paratype, USNM 77000; b, holotype, USNM 76998; c-h, sclerites from calyx. Enlargement of a and b indicated by 10 mm bar; that of c-h by 0.10 mm bar.

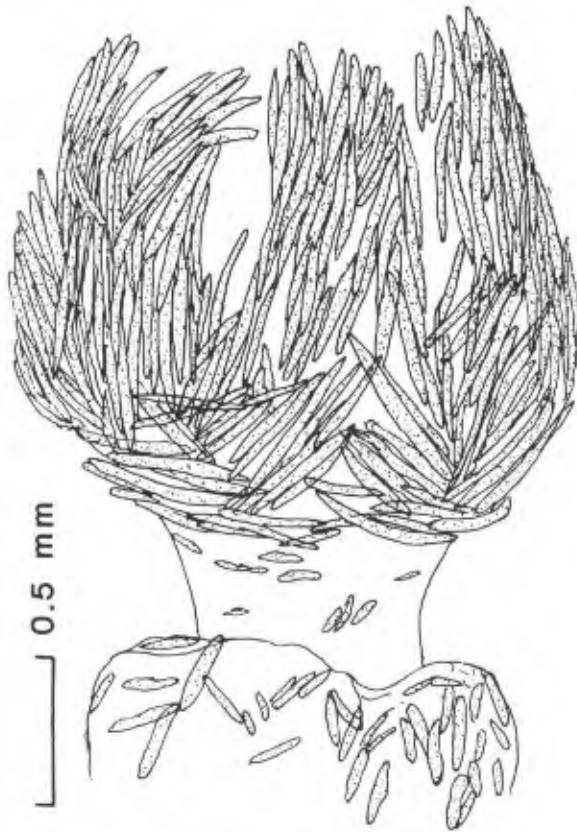


Fig. 41. *Inflatocalyx infirmata* gen. nov., spec. nov., USNM 76998: anthocodial armature, sclerites in introvert and calyx. Enlargement indicated by 0.5 mm bar.

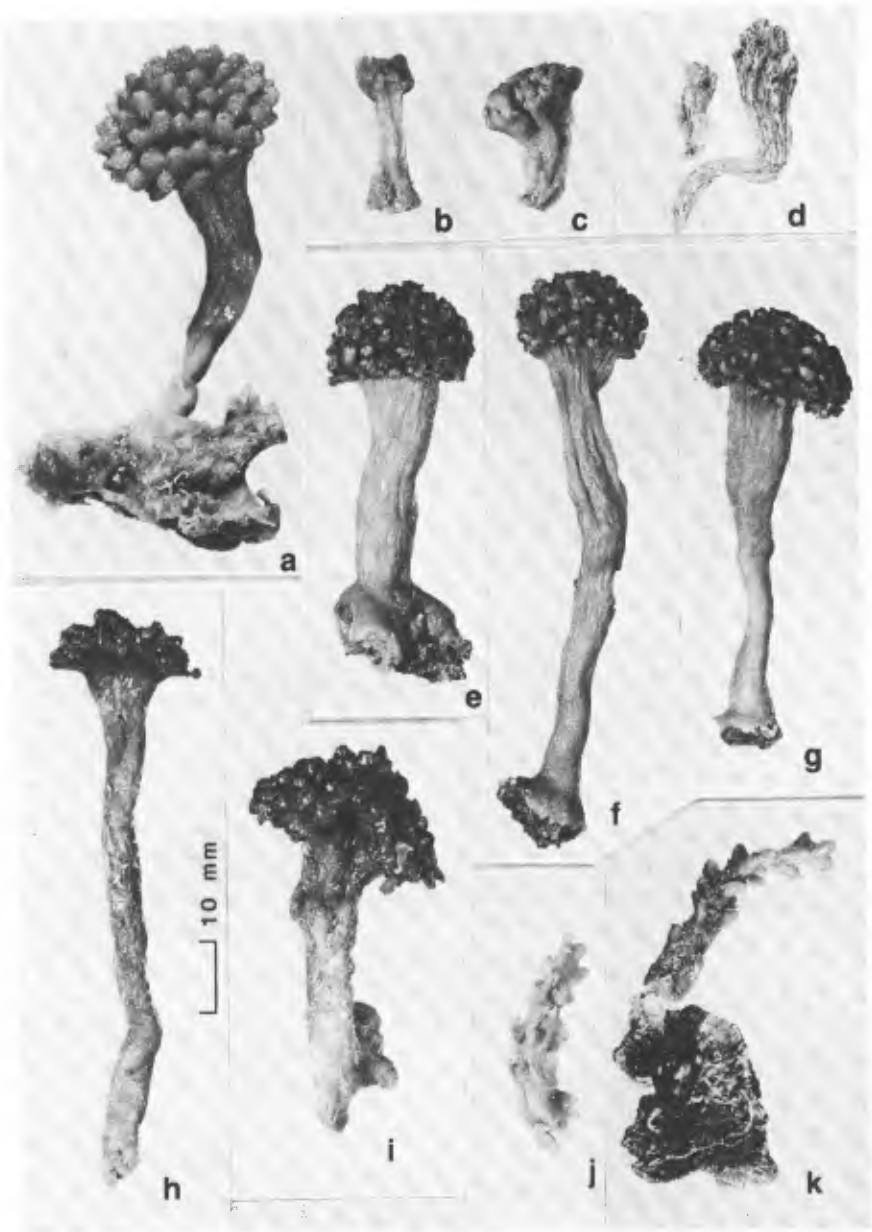


Fig. 42. Colonies of *Nidalia* species. a, *N. agariciformis* (Simpson), RSM; b, *N. borongaensis* spec. nov., USNM 77002; c, the same species, RMNH Coel.17424; d, *N. lampas* Thomson & Mackinnon, BMNH 1912.2.24.57; e-g, *N. occidentalis* Gray, USNM 60947; h, i, *N. simpsoni* (Thomson & Dean), ZMA Coel.2276; j, *N. macrospina* Kükenthal, USNM 60236; k, the same species, ZMH C1719. Enlargement indicated by 10 mm bar.

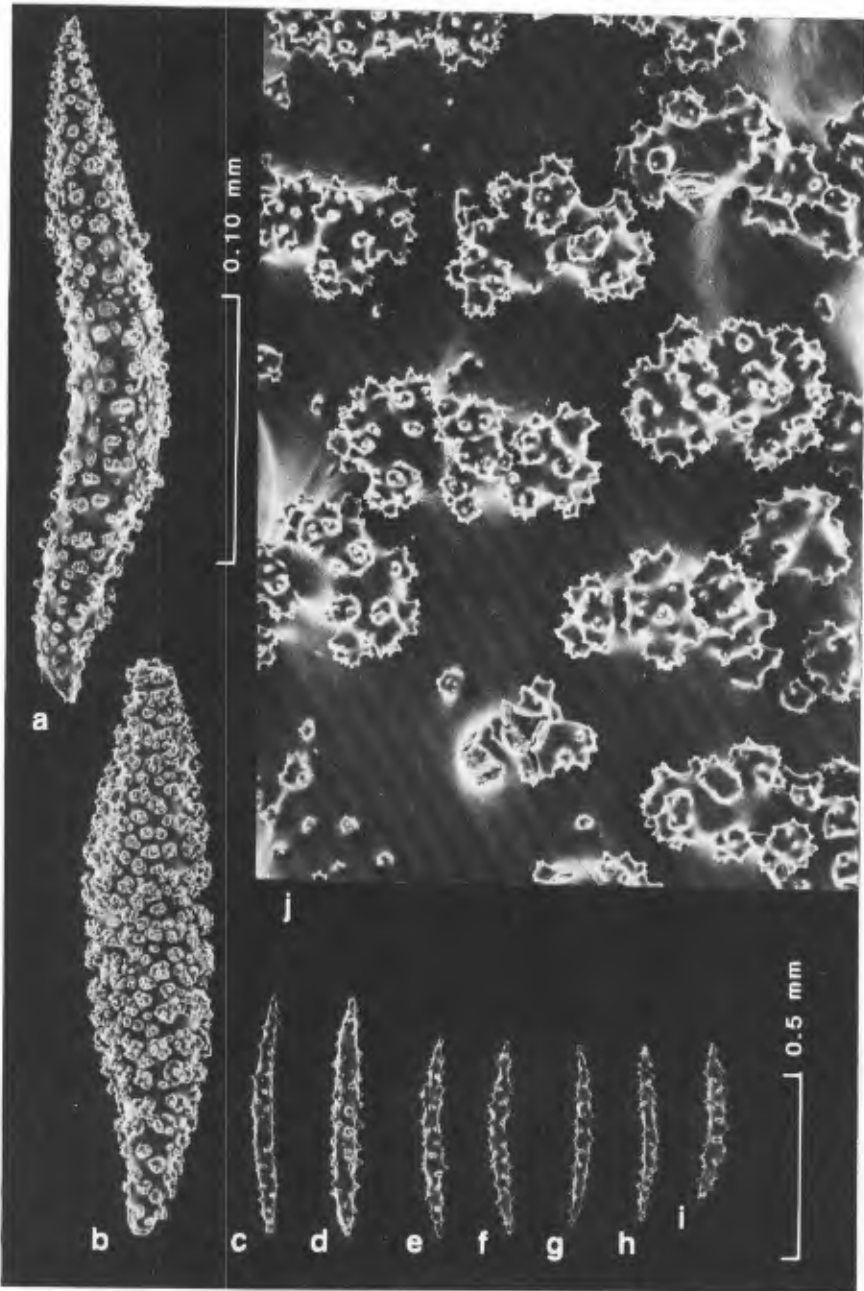


Fig. 43. *Nidalia agariciformis* (Simpson), RSM. Sclerites: a-i, from surface stalk; j, warts on spindle from surface stalk. Enlargement of a-i indicated by 0.5 mm bar; that of j by 0.10 mm bar.

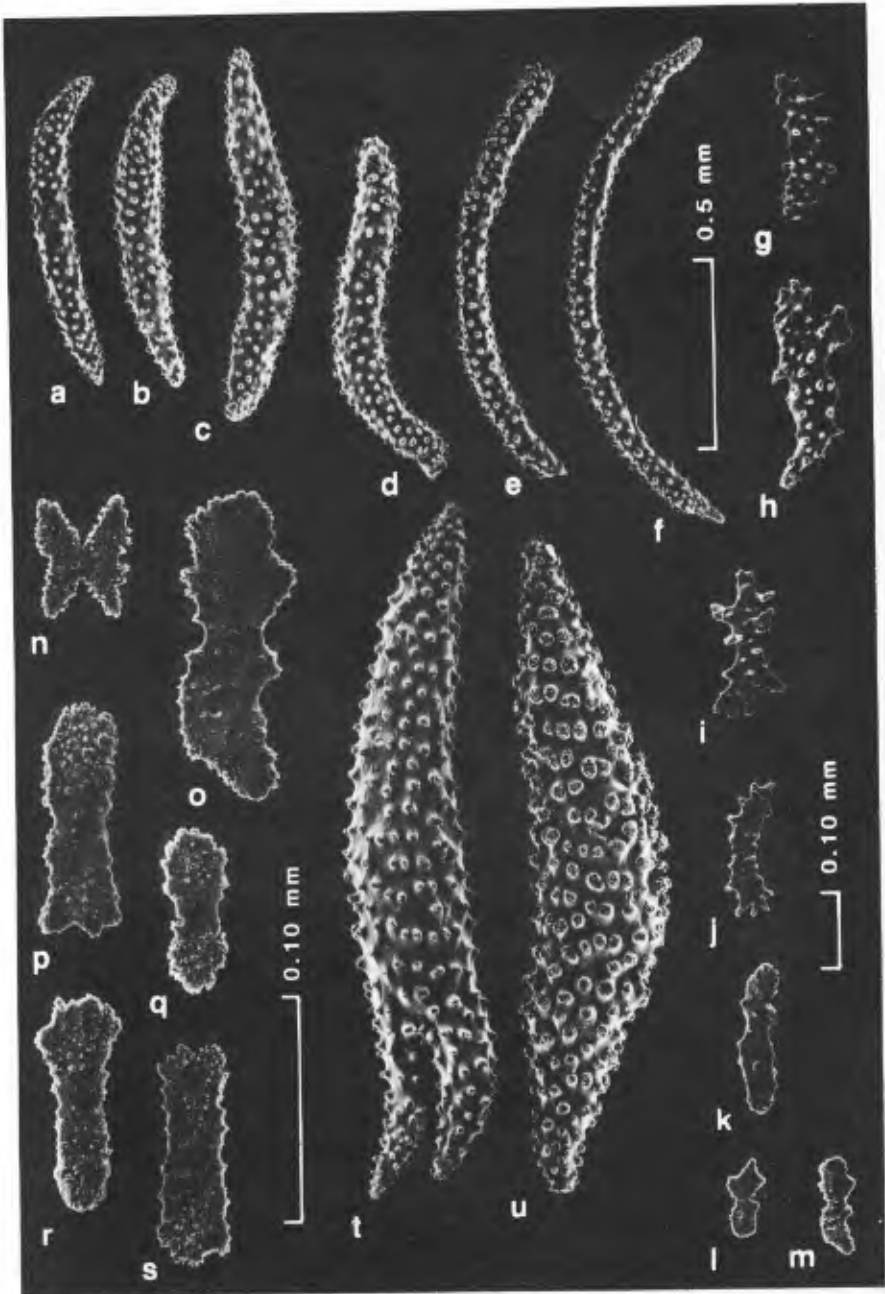


Fig. 44. *Nidalia borongaensis* spec. nov., USNM 77002. Sclerites: a-d: point sclerites; e, t, from crown; g-k, from tentacles; l-o, from pinnules; p-s, from introvert; t, u, from surface stalk. Enlargement of a-f and t-u indicated by 0.50 mm bar at f; that of g-m by 0.10 mm bar at j; that of n-s by 0.10 mm bar at q.

of base of the stalk; 5A: *N. occidentalis*, USNM 60947; 5B: *N. deichmannae*, USNM 53931. 6A, B, sclerites from surface layer of the stalk of *N. deichmannae*, USNM 10835; 6A from middle part of the stalk, 6B from its base. Enlargement of 1 indicated by 1 mm bar; that of the sclerites 2A-6B by 5 mm bar.



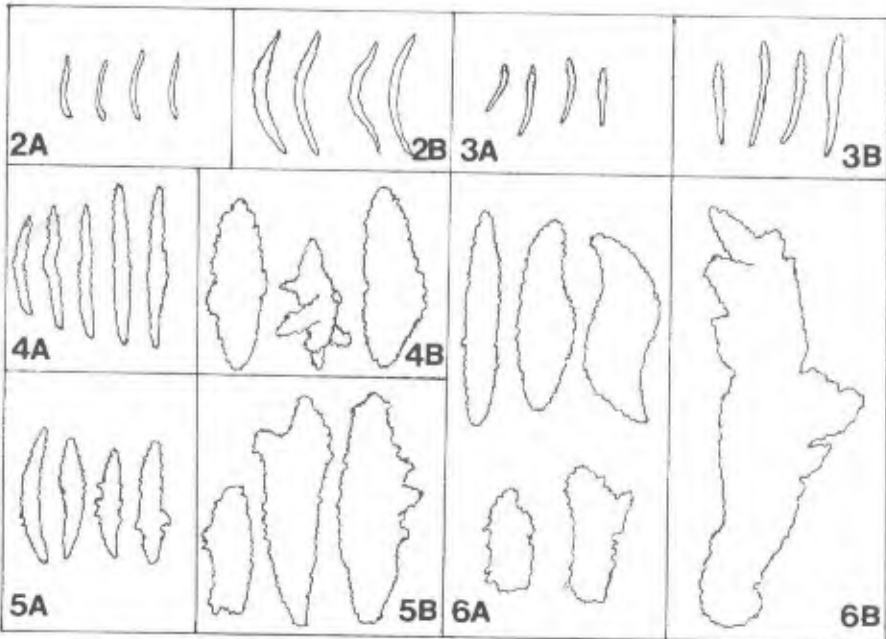
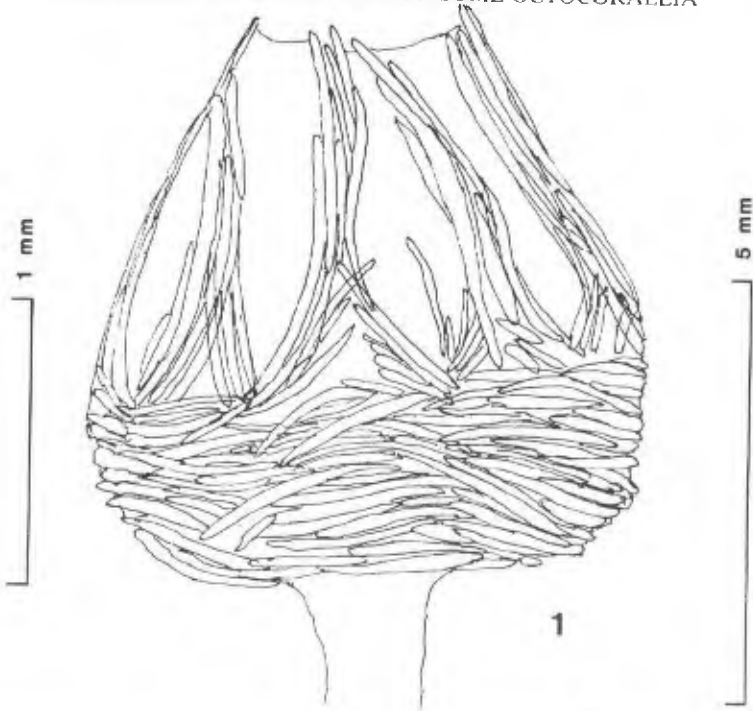


Fig. 45. *Nidalia deichmannae* Utinomi and *N. occidentalis* Gray. 1, anthocodial armature, *N. deichmannae*, USNM 53931. 2A, B, crown sclerites; 2A: *N. occidentalis*, USNM 53927, 2B: *N. deichmannae*, USNM 53931. 3A, B, point sclerites; 3A: *N. occidentalis*, USNM 53927; 3B: *N. deichmannae*, USNM 53931. 4A, B, sclerites from surface layer of middle part of the stalk; 4A: *N. occidentalis*, USNM 60947, 4B: *N. deichmannae*, USNM 53931. 5A, B, sclerites from surface layer

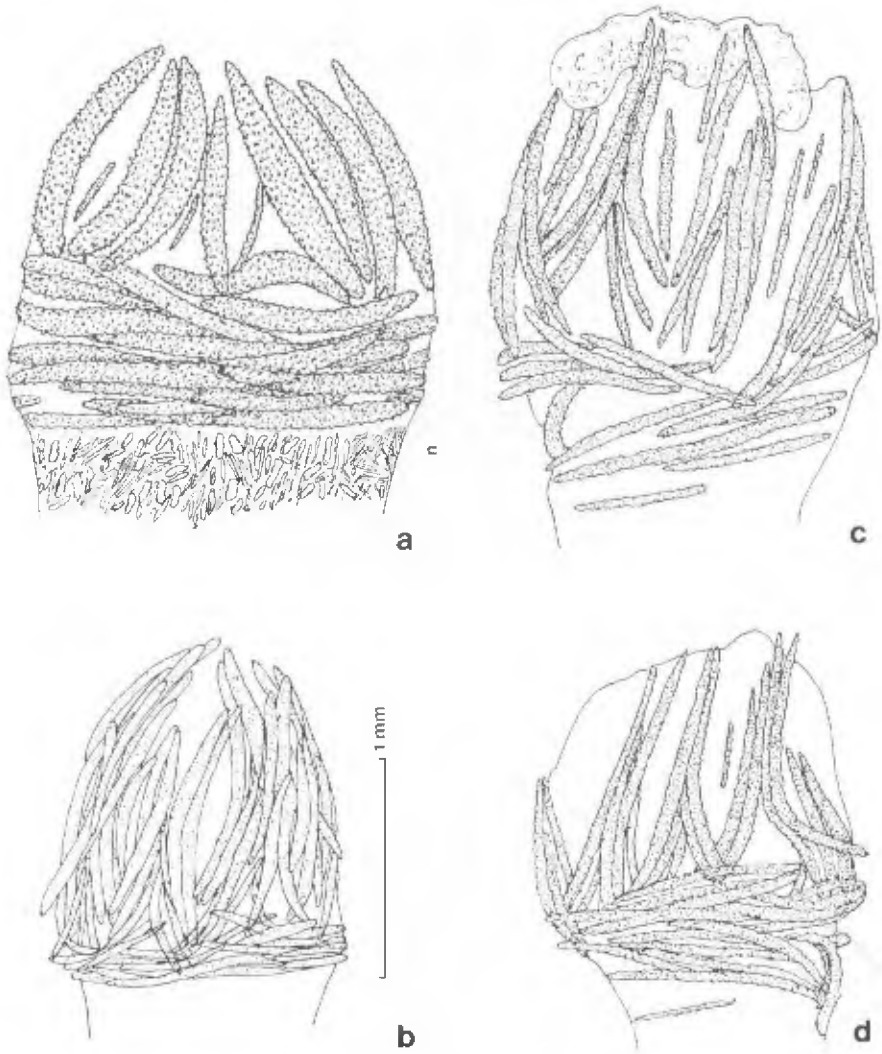


Fig. 46. Anthocodial armature of *Nidalia* species. a, *N. borongaensis* spec. nov., USNM 77002; b, *N. macrospina* Kükenthal, ZMA Coel.2974; c, *N. lampas* Thomson & Mackinnon, BMNH 1912.2.24.57; d, *N. lampas*, ZMA Coel.2275. Enlargement indicated by 1 mm bar.

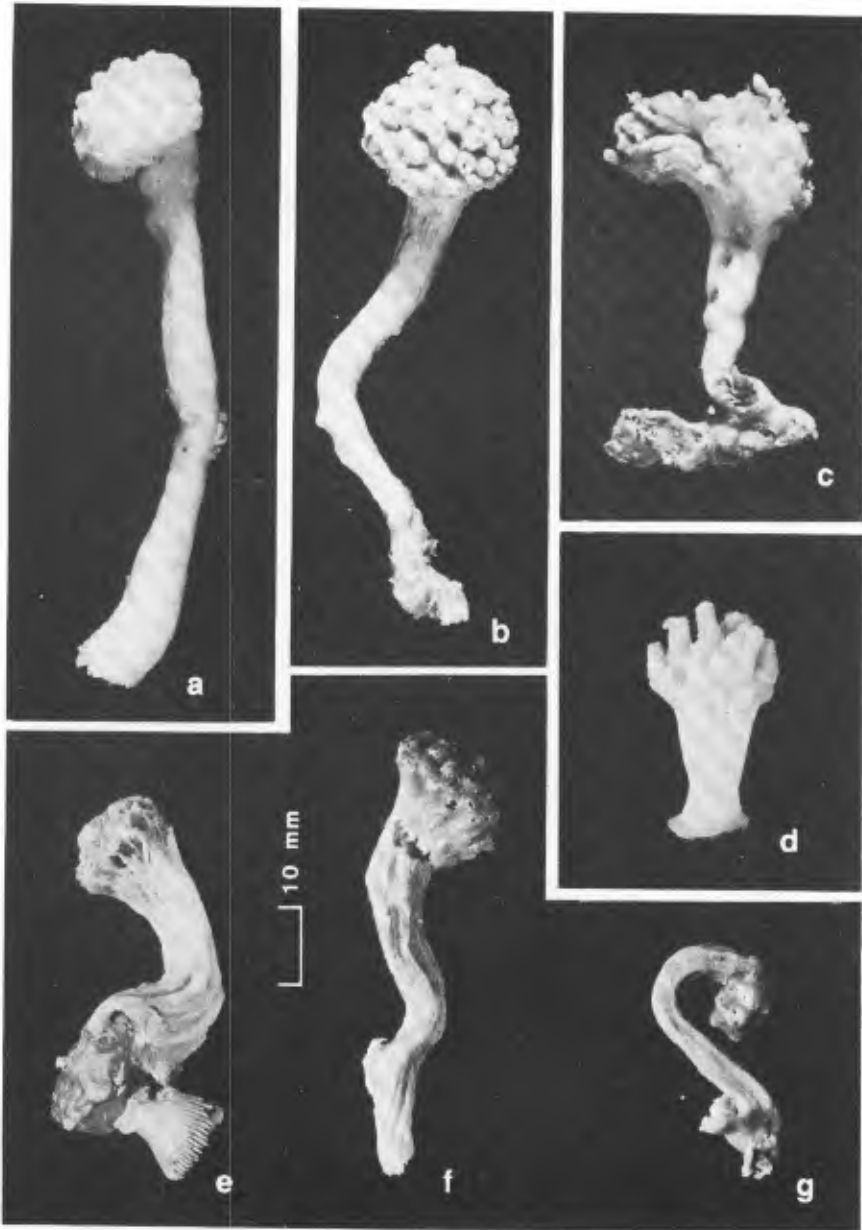


Fig. 47. Colonics of *Nidalia* species. a, *N. deichmannae* Utinomi, USNM 53931; b, *N. occidentalis* Gray, ZMH C2514; c, *N. alciformis* (Simpson), ZMH C2545; d, *N. dissidens* spec. nov., USNM 54835; e, *N. simpsoni* (Thomson & Dean), ZMA Coel.2276; f, g, the same species, ZMA Coel.2272. Enlargement indicated by 10 mm bar.

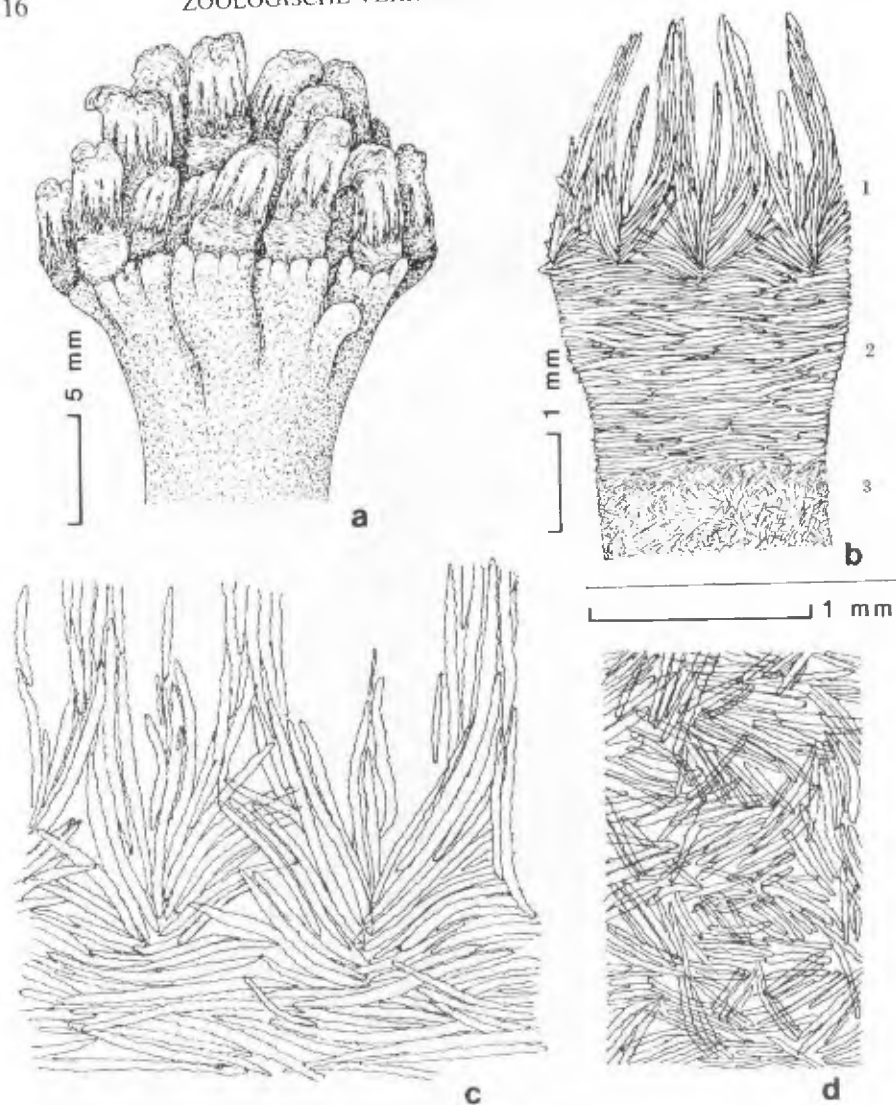


Fig. 48. *Nidalia dissidens* spec. nov., USNM 54835. a. distal part of stalk with capitulum; b. anthocodia: 1. points, 2. crown; 3. distal part of introvert; c. anthocodial armature; d. sclerites in introvert. Enlargement of a indicated by 5 mm bar; that of b by 1 mm bar; that of c and d by 1 mm bar above d.

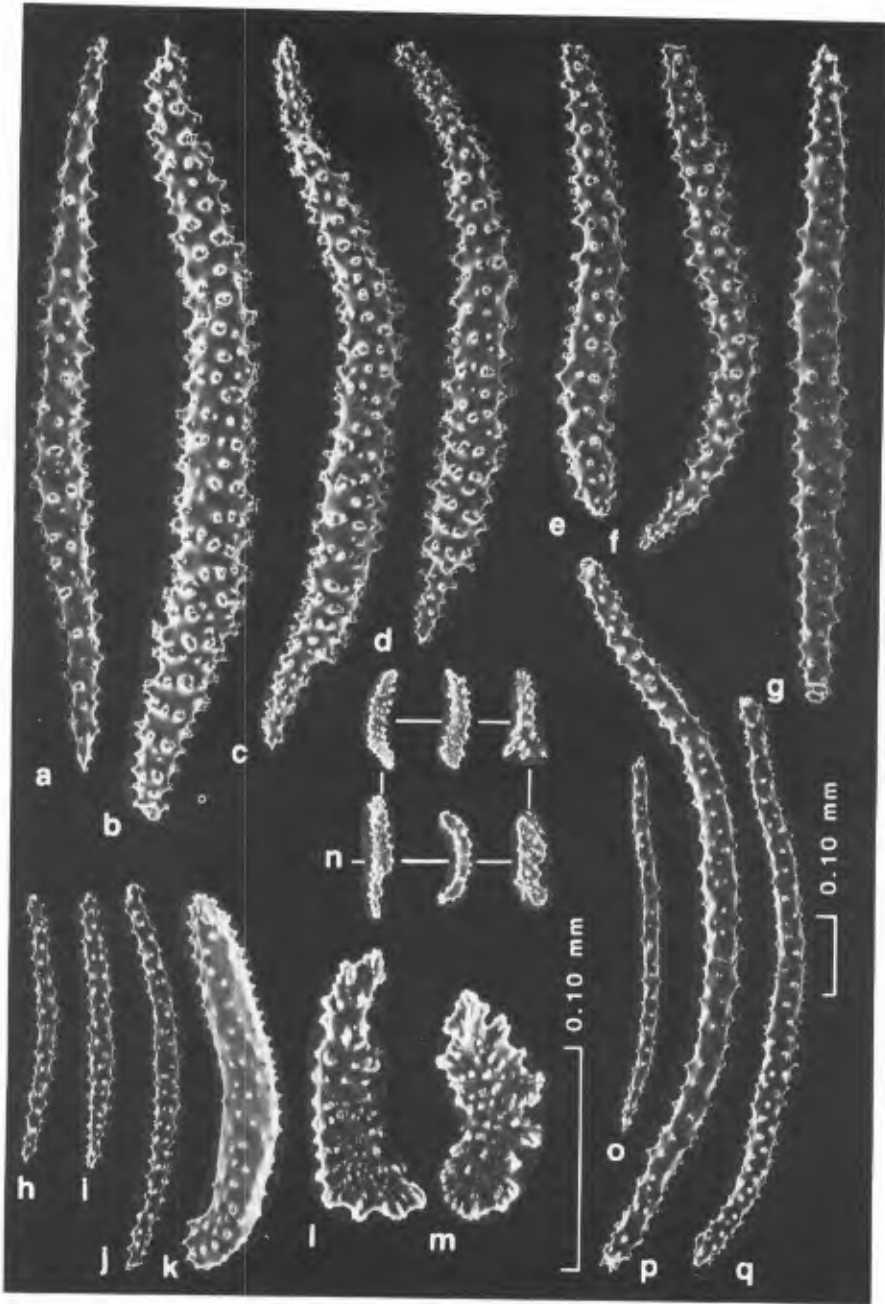


Fig. 49. *Nidalia dissidens* spec. nov., USNM 54835. Sclerites: a, b, from calyx wall; c, d, from surface of stalk; e-g, from interior of stalk; h-j, from introvert; k-n, from tentacles; o-q, anthocodial sclerites. Enlargement of a-j and n-q indicated by 0.10 mm bar below g; that of k-m by 0.10 mm bar at m.

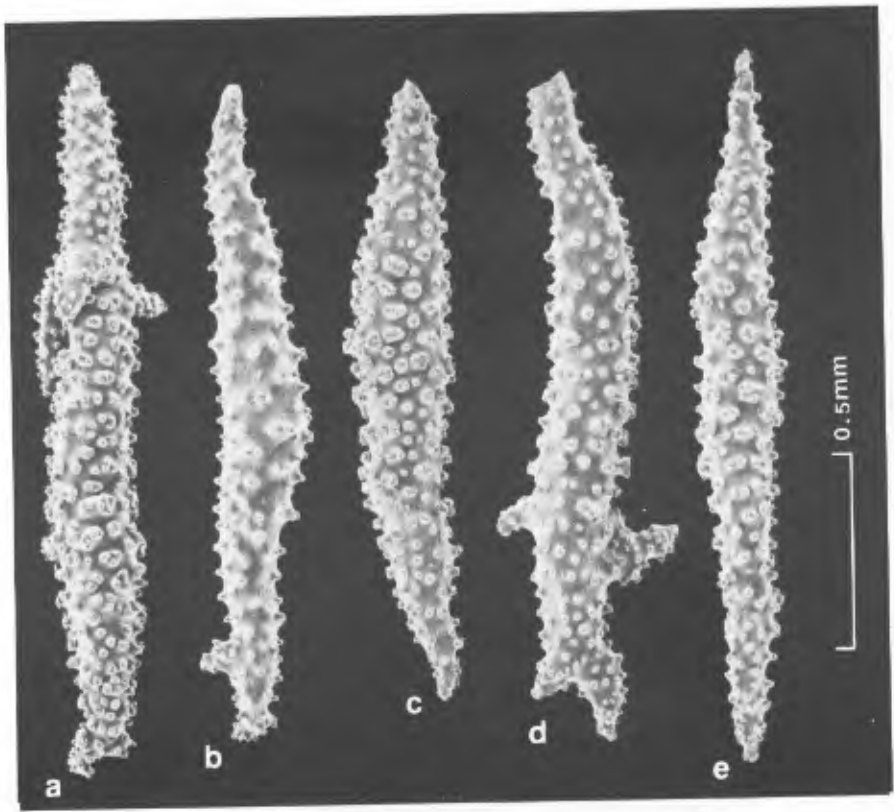


Fig. 50. *Nidalia lampas* (Thomson & Mackinnon), BMNH 1912.2.24.57. Sclerites; a-c, from calyx wall. Enlargement indicated by 0.50 mm bar.

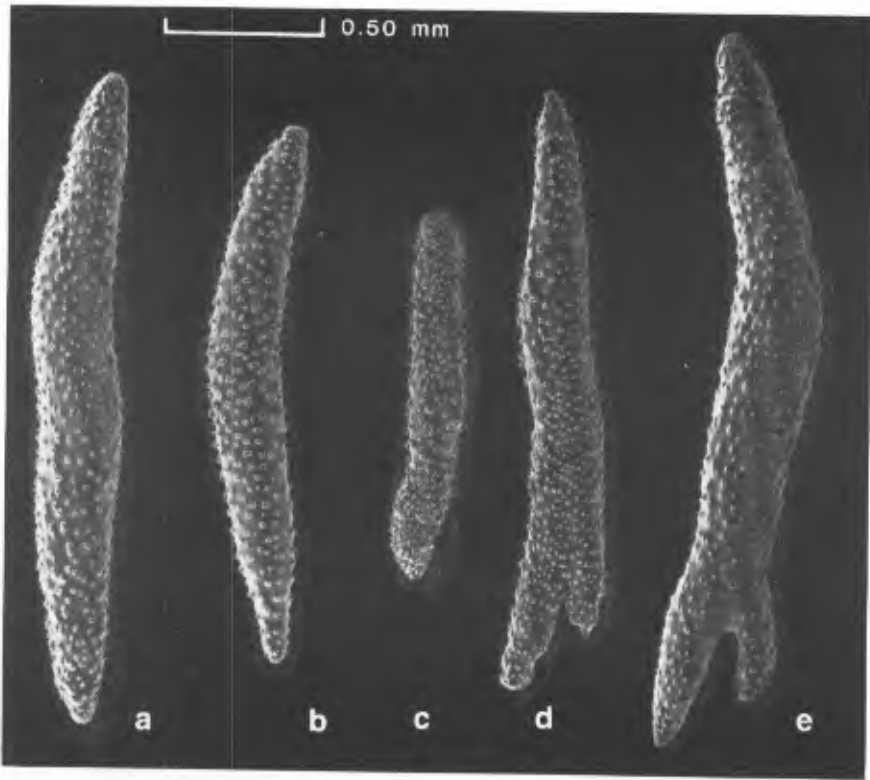


Fig. 51. *Nidalia macrospina* Kükenthal, ZMH C1719; a-e, sclerites from surface layer of stalk. Enlargement indicated by 0.50 mm bar.

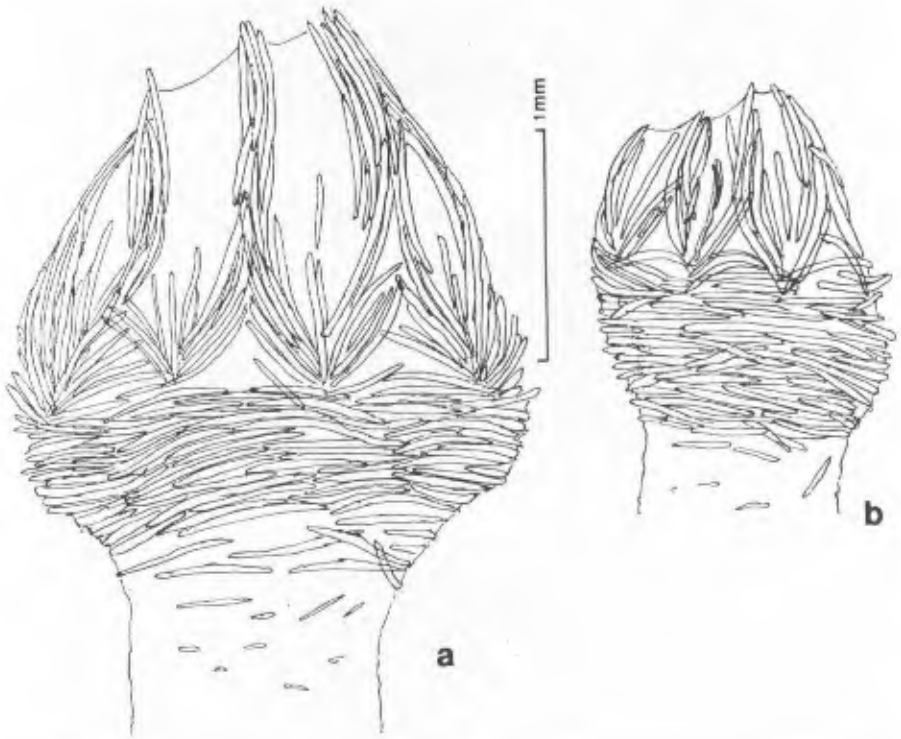


Fig. 52. *Nidalia occidentalis* Gray, anthocodial armatures: a, from specimen USNM 53297; b, from specimen USNM 49676. Enlargement indicated by 1 mm bar.



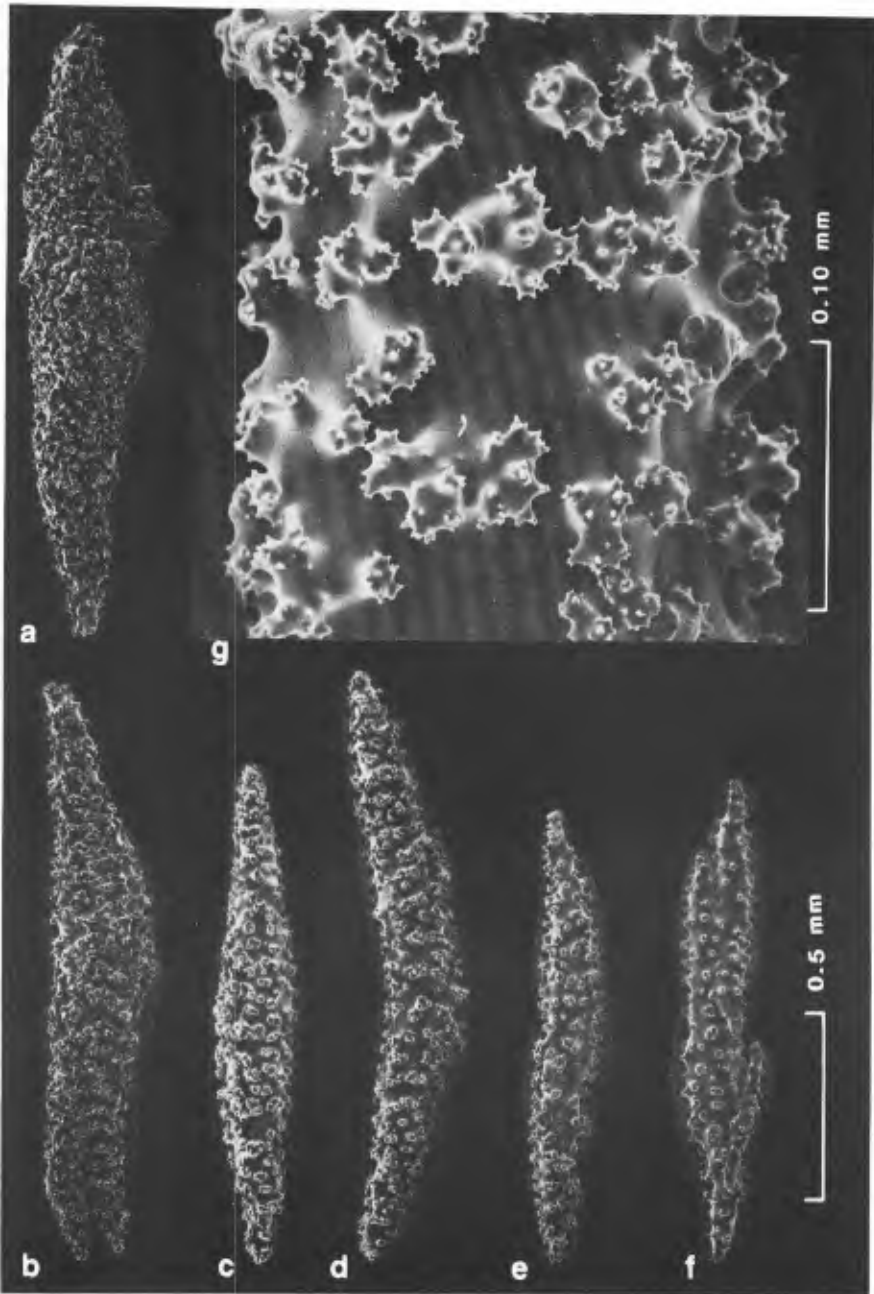


Fig. 53. *Nidalia occidentalis* Gray, USNM 60947. Sclerites: a-f, from stalk; g, part of a sclerite. Enlargement of a-f indicated by 0.5 mm bar; that of g by 0.10 mm bar.

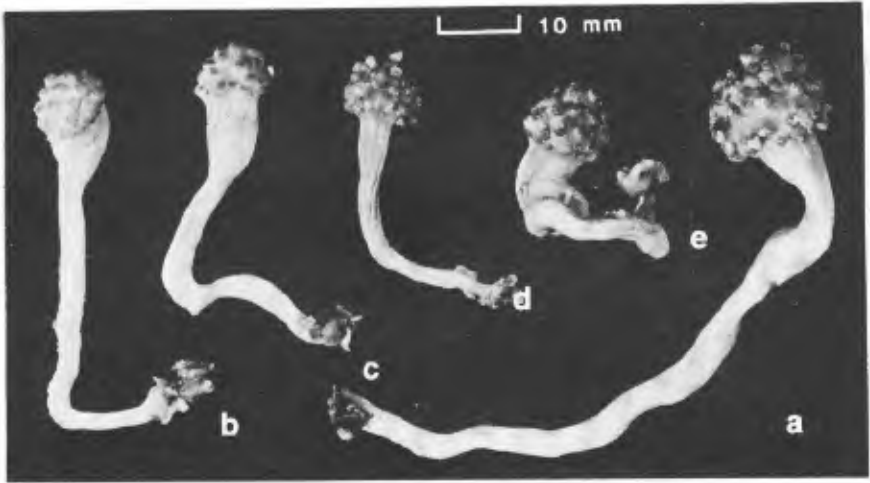


Fig. 54. *Nidalia rubripunctata* spec. nov., USNM 55205. a, holotype; b-e, paratypes. Enlargement indicated by 10 mm bar.

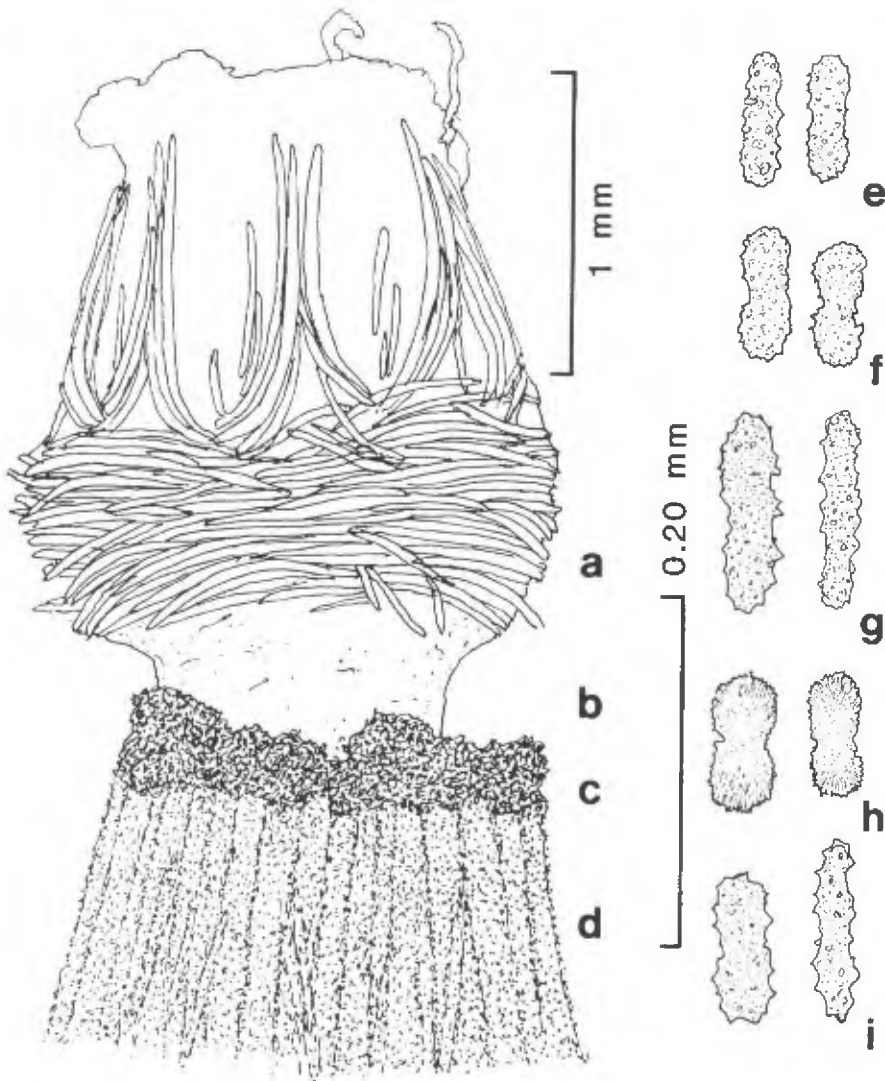


Fig. 55. *Nidalia rubripunctata* spec. nov., USNM 55205. a-d, polyp and calyx; a, anthocodia; b, introvert; c, red scales and rods from base of introvert; d, calyx. Enlargement of a-d indicated by 1 mm bar; that of e-i by 0.20 mm bar.

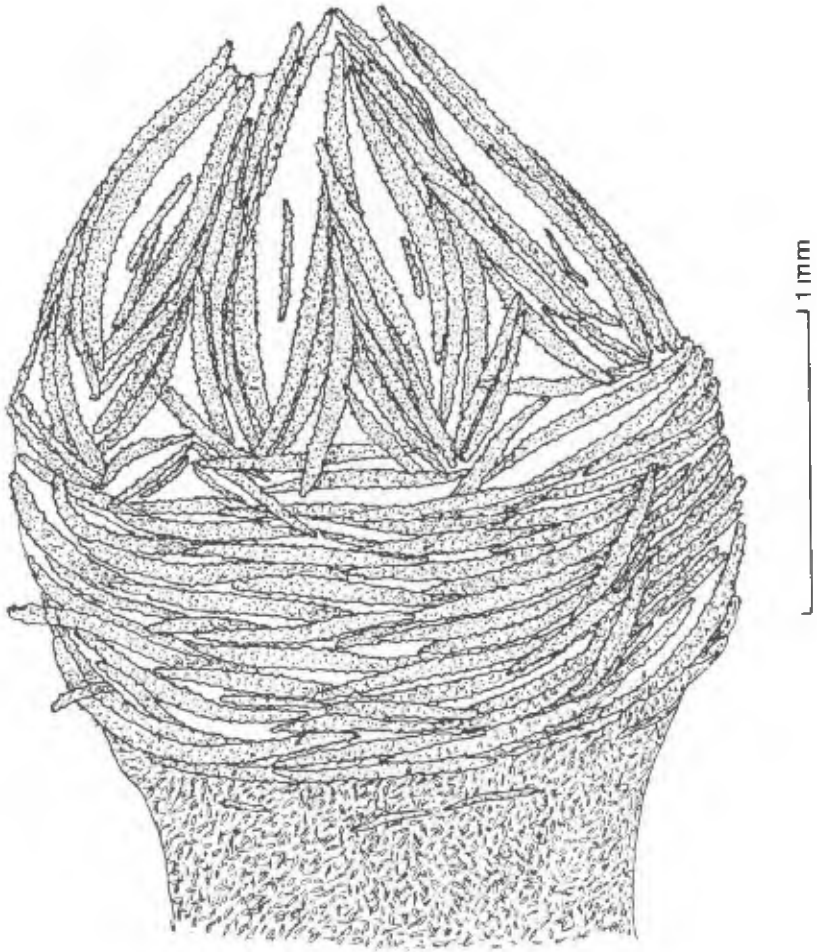


Fig. 56. *Nidalia simpsoni* (Thomson & Dean), ZMA Coel.2276; anthocodial armature. Enlargement indicated by 1 mm bar.

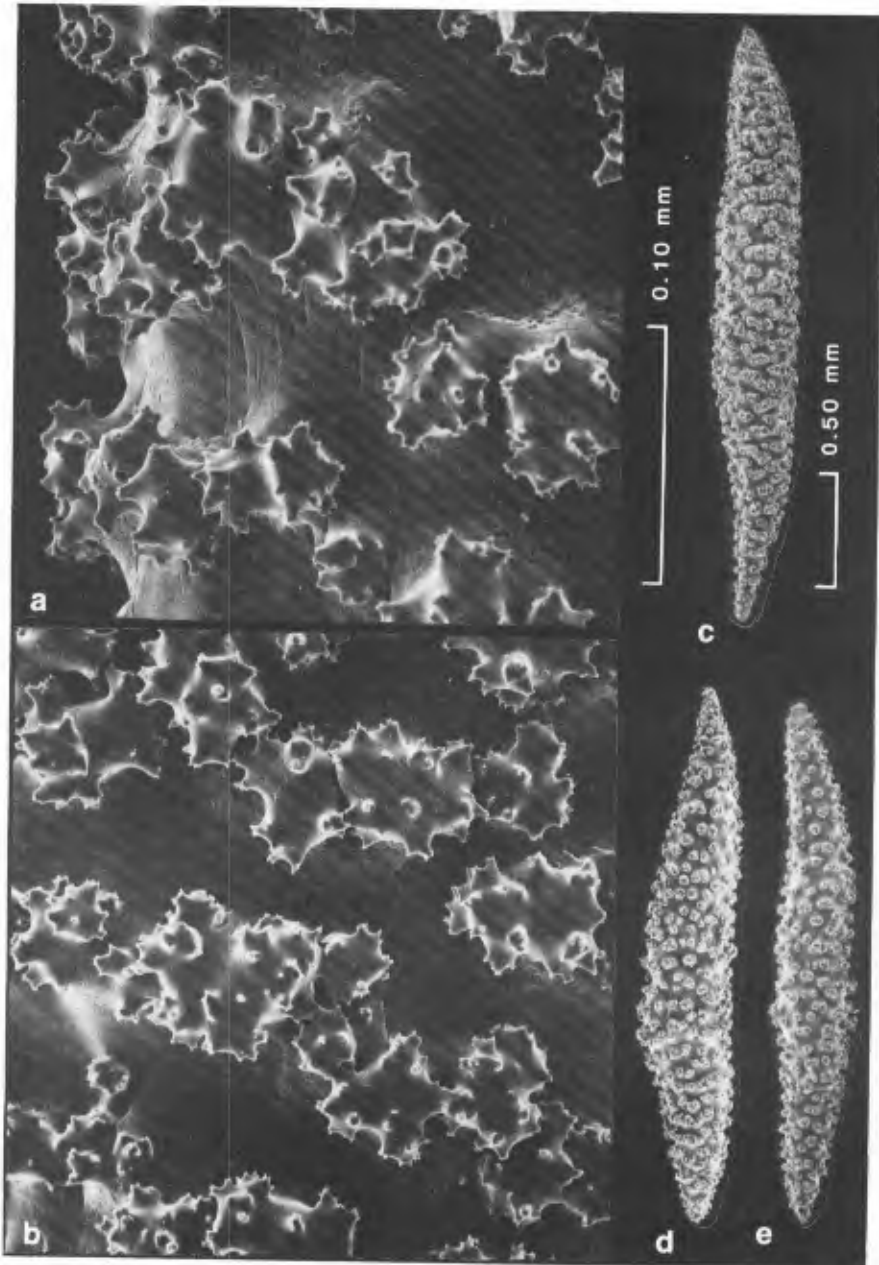


Fig. 57. *Nidulia simpsoni* (Thomson & Dean), ZMA Coel.2276. Sclerites: a, b, parts of sclerites from stalk; c-e, sclerites from stalk. Enlargement of a, b indicated by 0.10 mm bar; that of c-e by 0.5 mm bar.

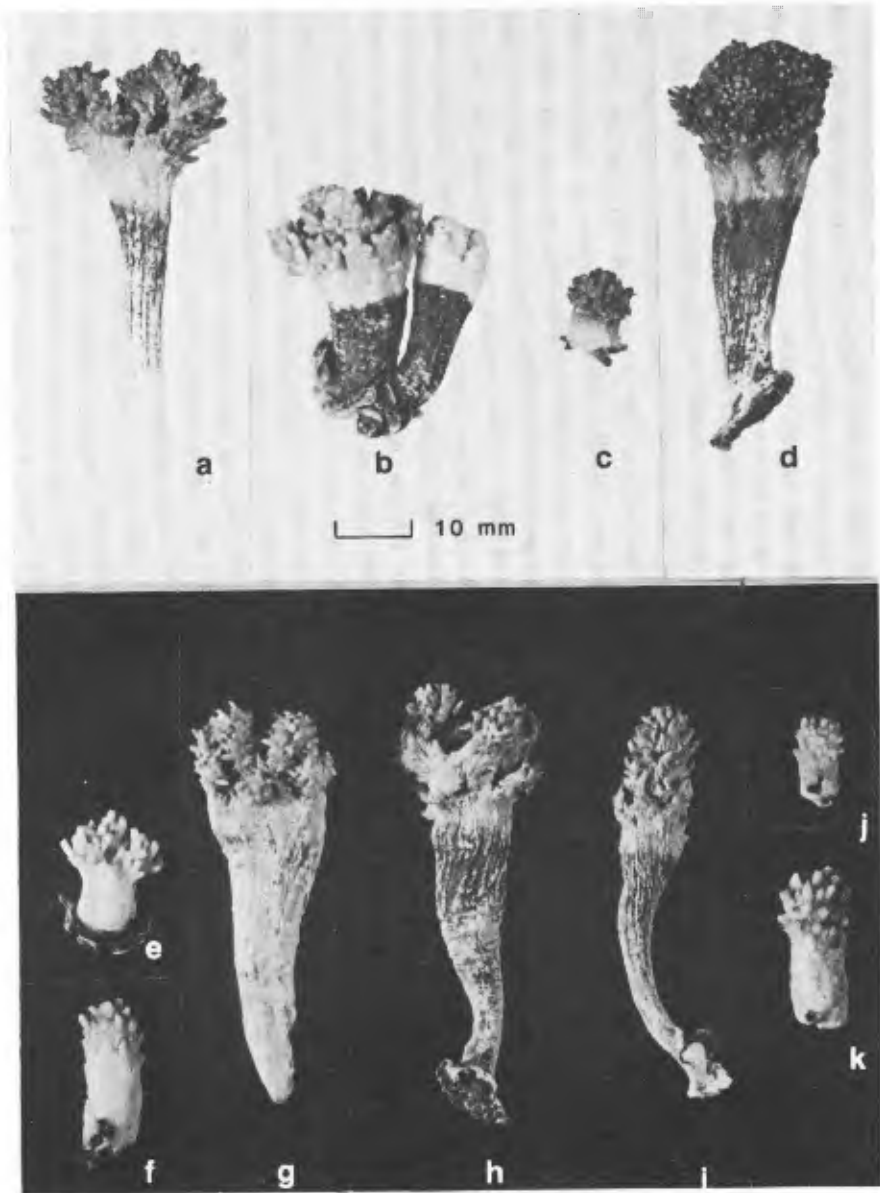


Fig. 58. *Nidaliopsis alta* (Tixier-Durivault): colonies: a-f, j, k, USNM 76990; g-i, dried specimens, IRSN. Enlargement indicated by 10 mm bar.

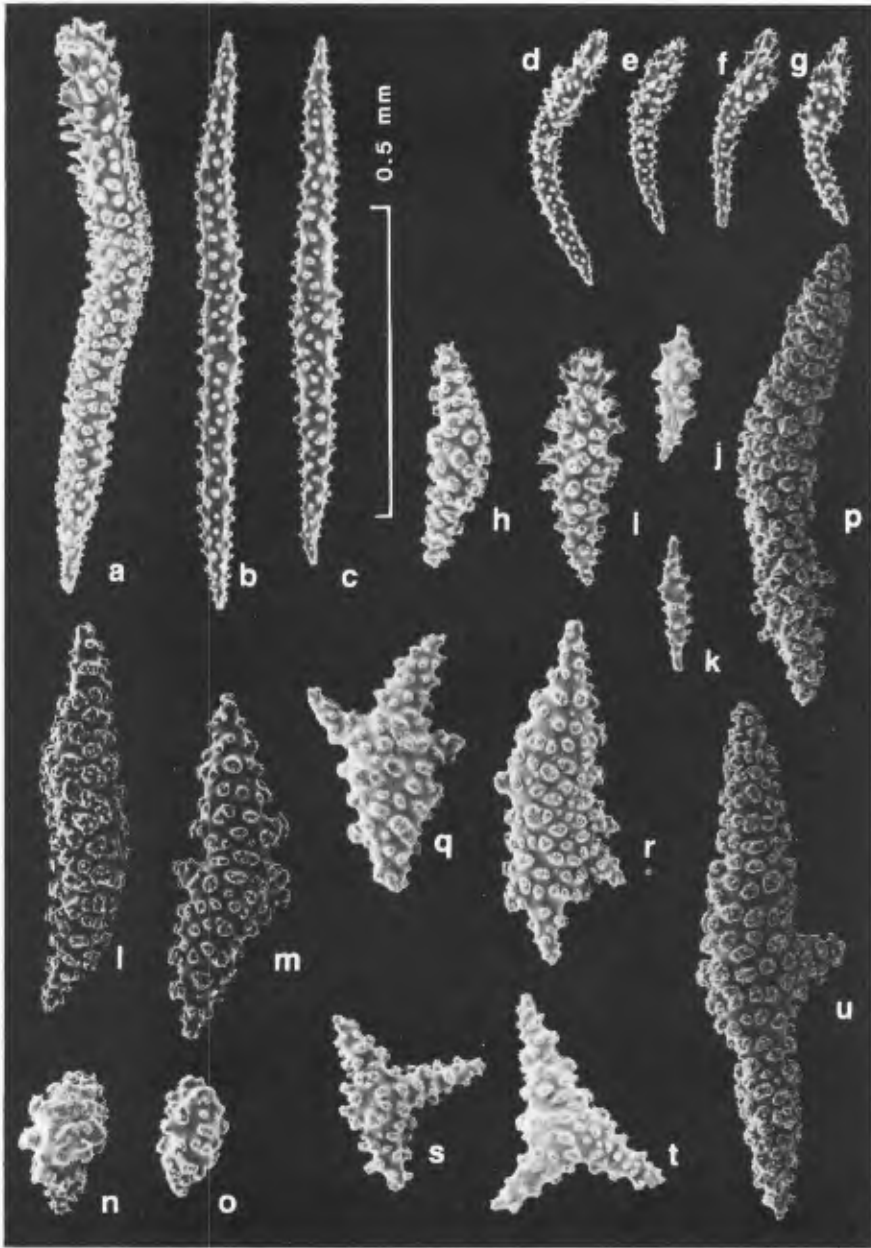


Fig. 59. *Nidaliopsis alta* (Tixier-Durivault), USNM 76992. Sclerites: a-c, from calyx wall; d-g: from anthocodia; h-k: from interior of capitulum; l-o: from surface of stalk; p-u: from interior of stalk. Enlargement indicated by 0.5 mm bar.

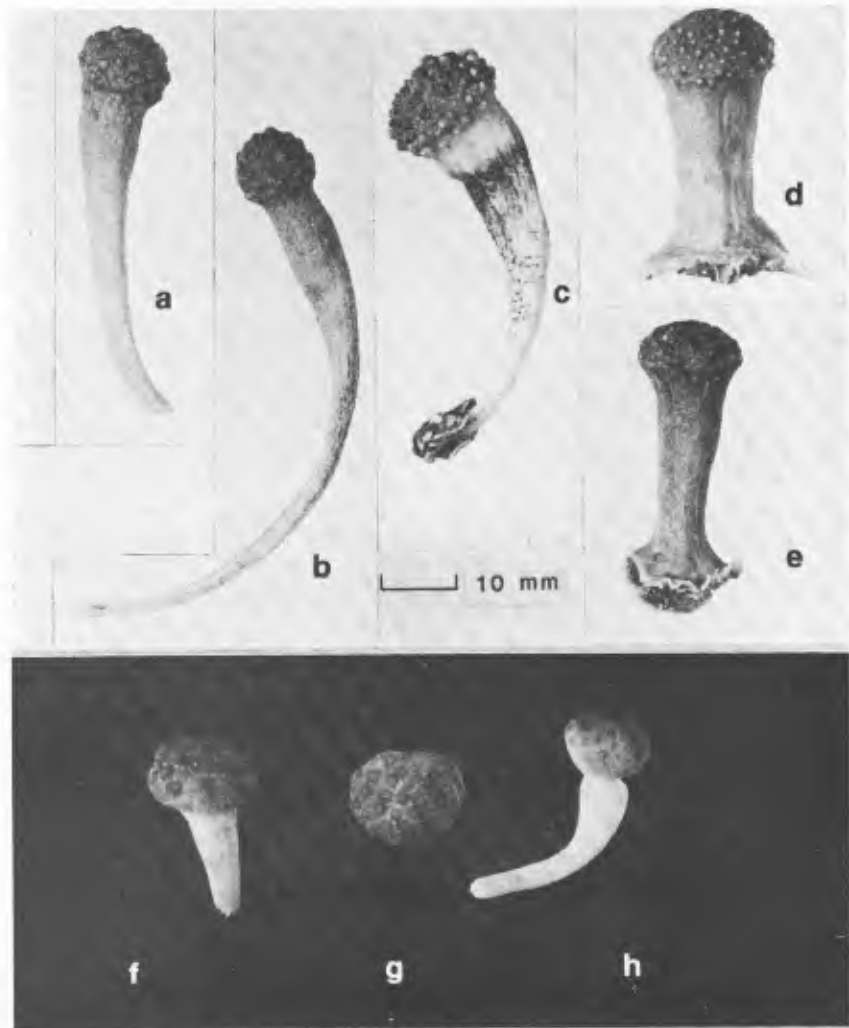


Fig. 60. *Nidaliopsis violacea* (Tixier-Durivault); colonies: a, b, USNM 76994; c, USNM 76992; d, e, USNM 76991; f-h, IRSM. Enlargement indicated by 10 mm bar.



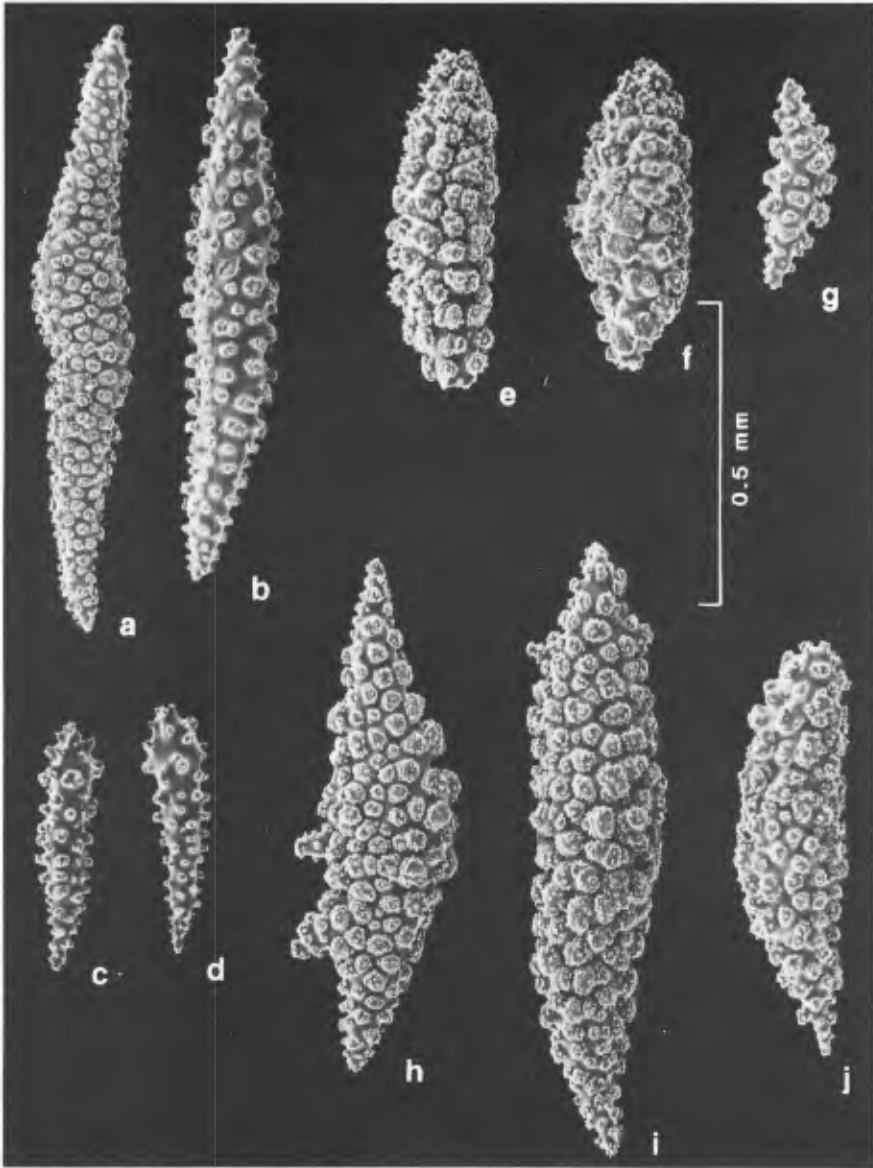


Fig. 61. *Nidaliopsis violacea* (Tixier-Durivault), USNM 76994. Sclerites: a, b, spindles from surface of capitulum; c, d: clubs from surface of capitulum; e-g: from surface of stalk; h-j: from interior of stalk. Enlargement indicated by 0.5 mm bar.

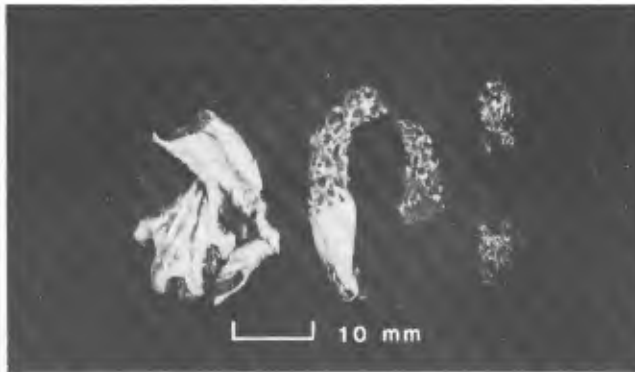


Fig. 62. *Pieterfaurea unilobata* (J. S. Thomson), BMNH 1962.7.20.52, colony and fragments. Enlargement indicated by 10 mm bar.

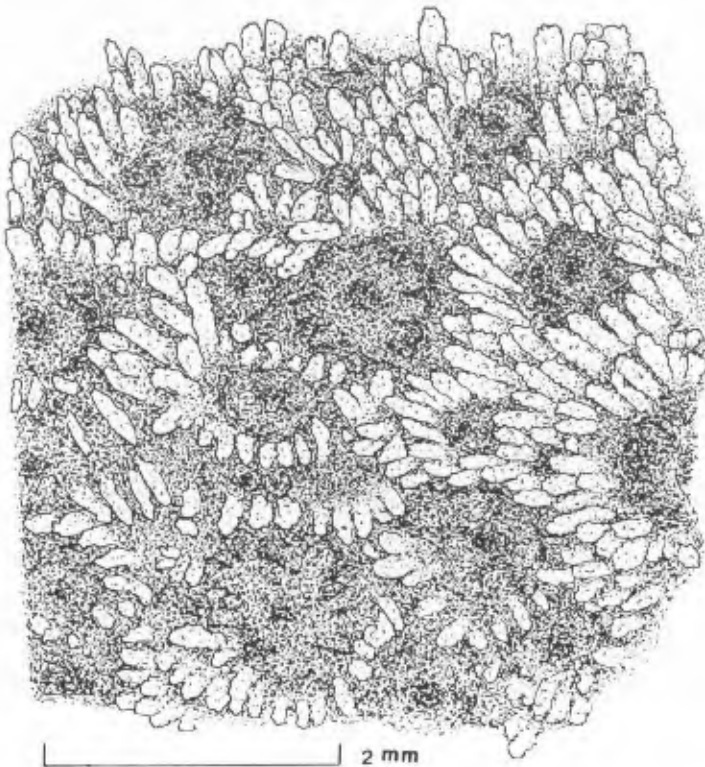


Fig. 63. *Pieterfaurea unilobata* (J. S. Thomson), BMNH 1962.7.20.52; part of the surface of the polyparium. Enlargement indicated by 2 mm bar.

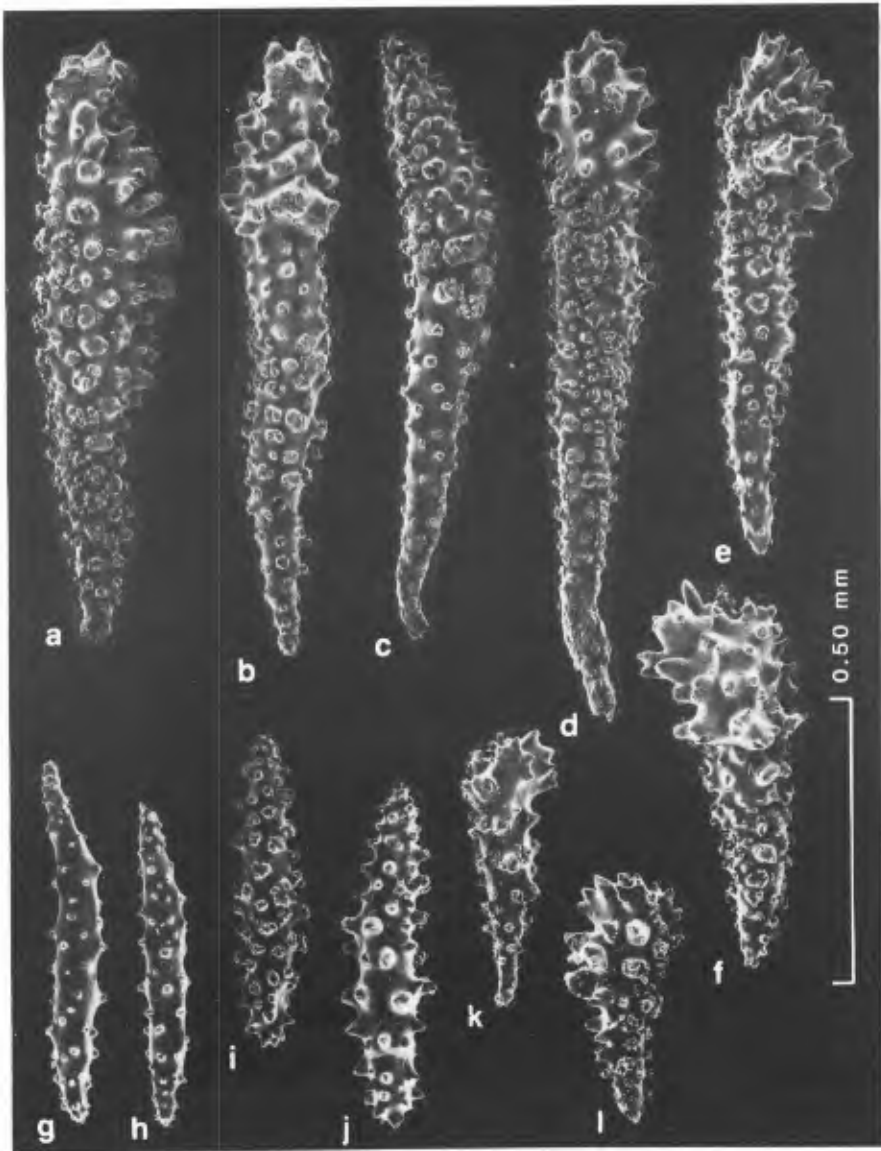


Fig. 64. *Pieterfaurea unilobata* (J. S. Thomson). BMNH 1962.7.20.52. Sclerites: a-f, palisade sclerites; g-h, from surface layer of polyparium. Enlargement indicated by 0.5 mm bar.

