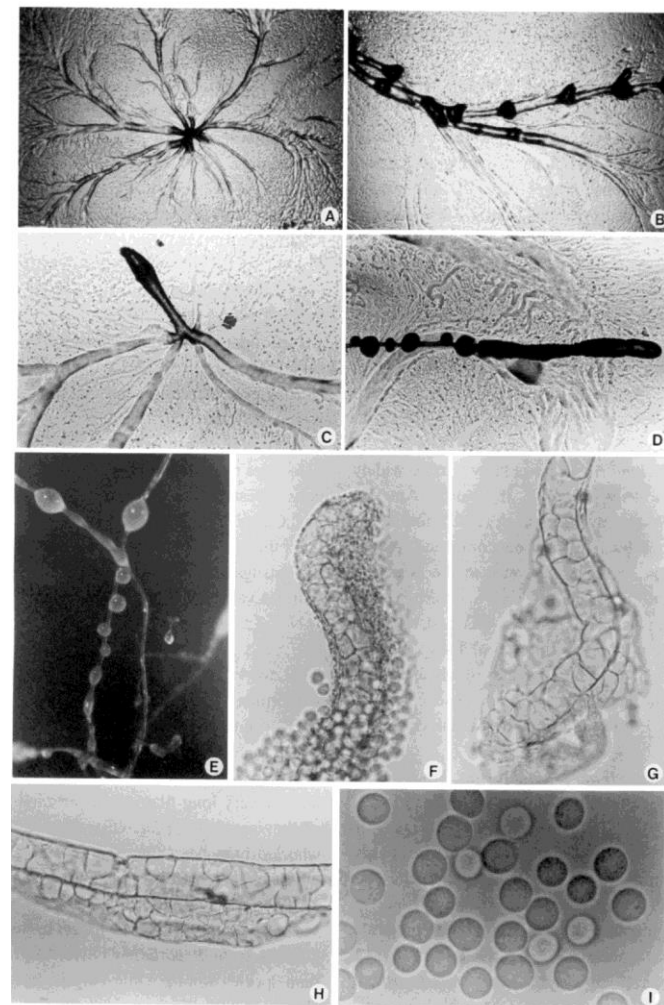
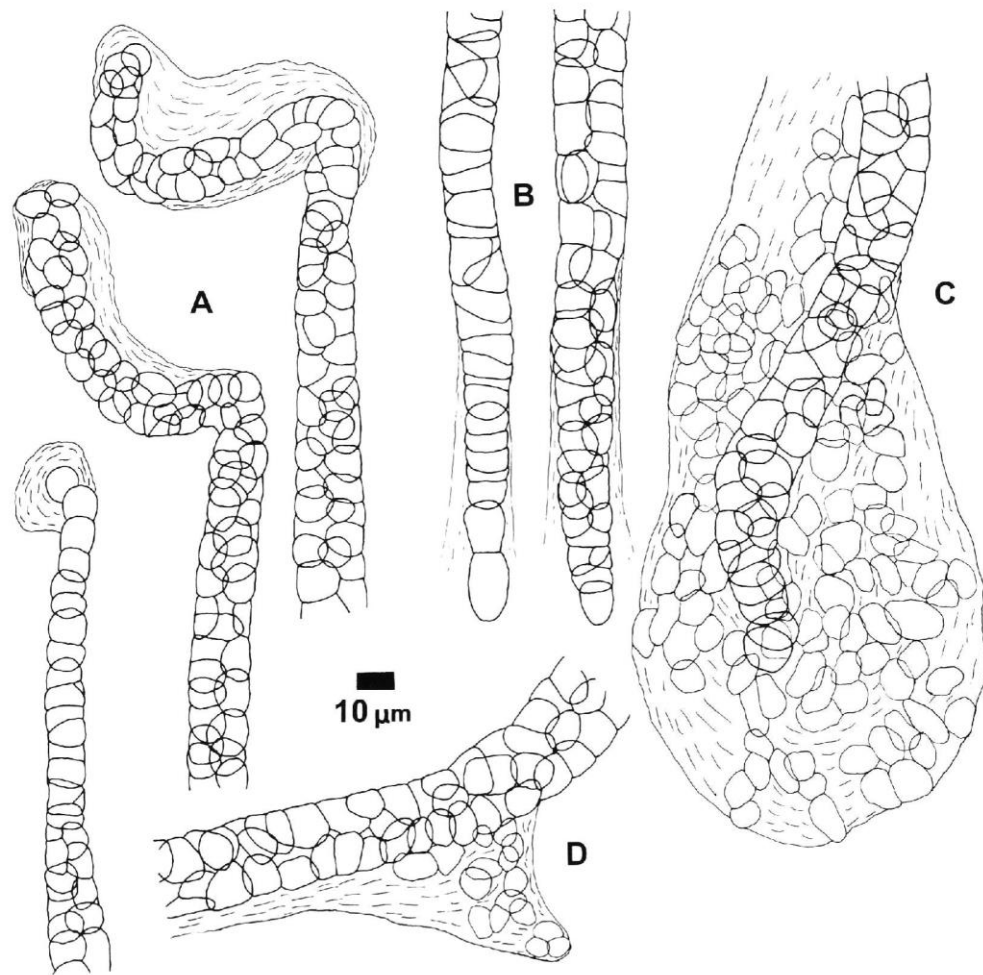


D. rosarium ツユタマホコリカビ



D. minutum コタマホコリカビ

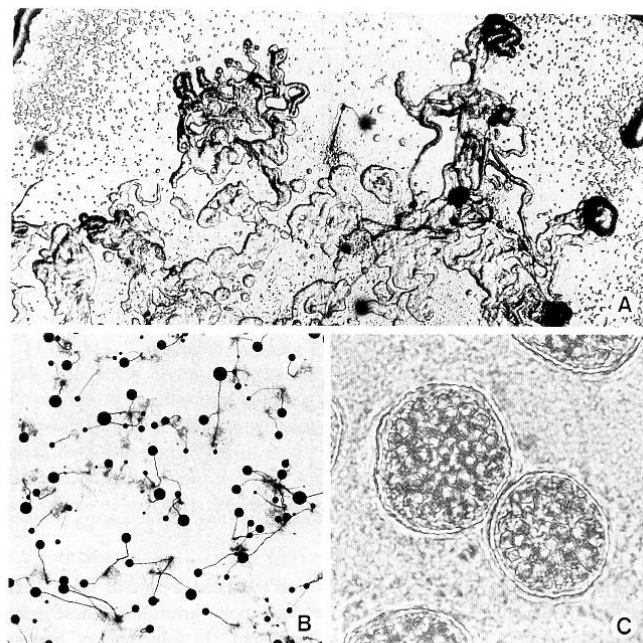


Fig. 48. *Dictyostelium minutum*. A. Secondary aggregations developed by emigrating myxamoebae. $\times 30$. B. Growth habit. $\times 24$. C. Macrocysts. $\times 820$.

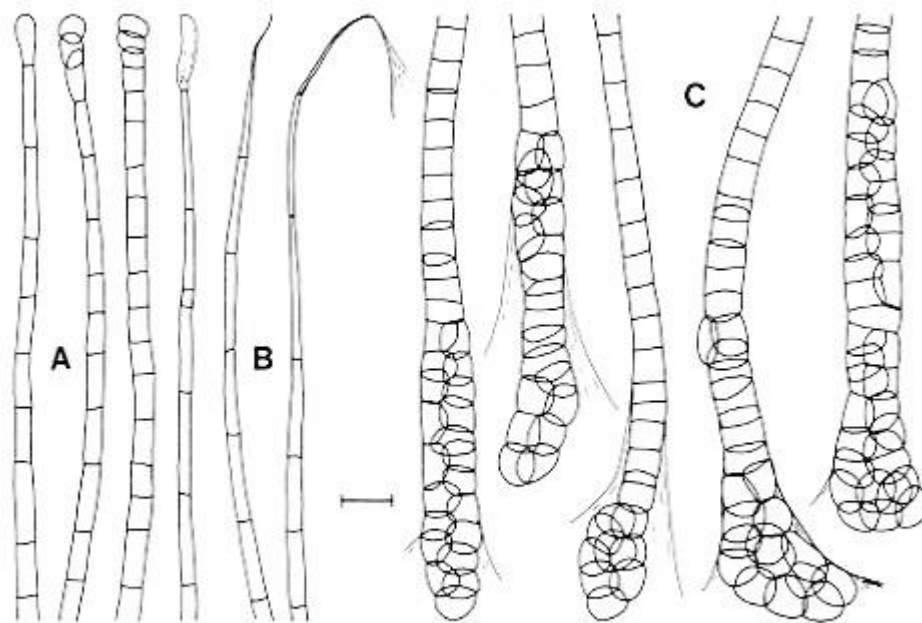
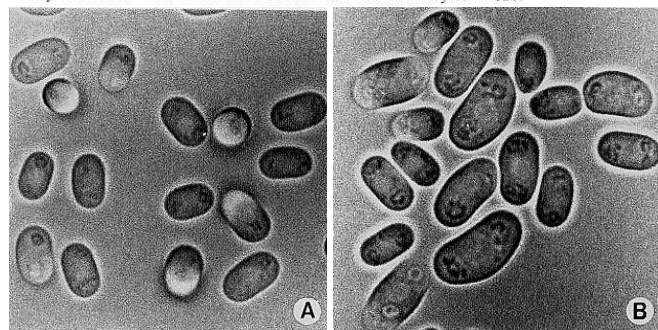


Fig. 49. *Dictyostelium minutum*. A. Clavate and obtuse tips. B. Piliform tips. C. Bases. Scale = 10 μ m.

Bは異常型

D. crassicaule コフトエタマホコリカビ

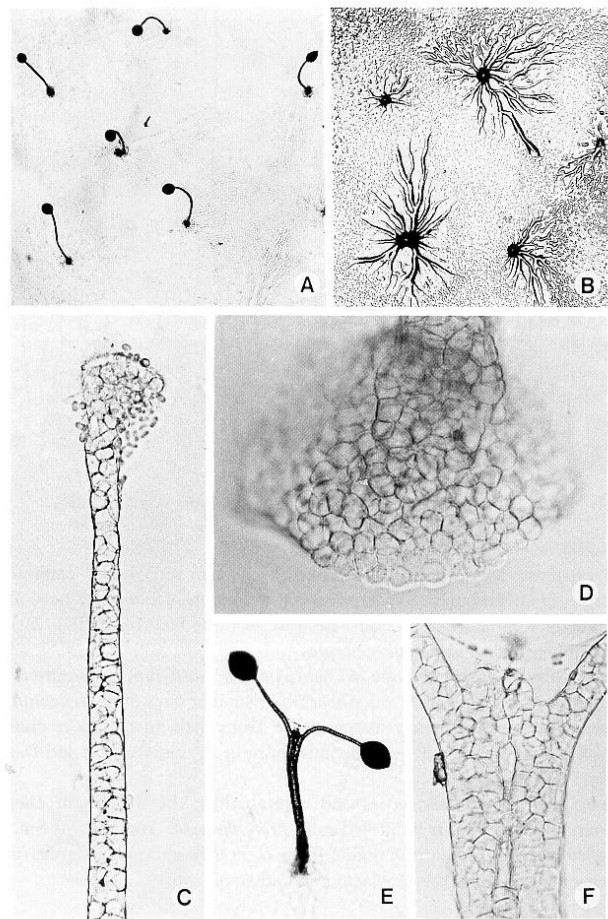


Fig. 32. *Dictyostelium crassicaule*. A. Growth habit. $\times 13$. B. Pseudoplasmodia. $\times 13$. C. Tip. $\times 345$. D. Basal disk. $\times 345$. E, F. False dichotomous branches. E, $\times 40$. F, $\times 325$.

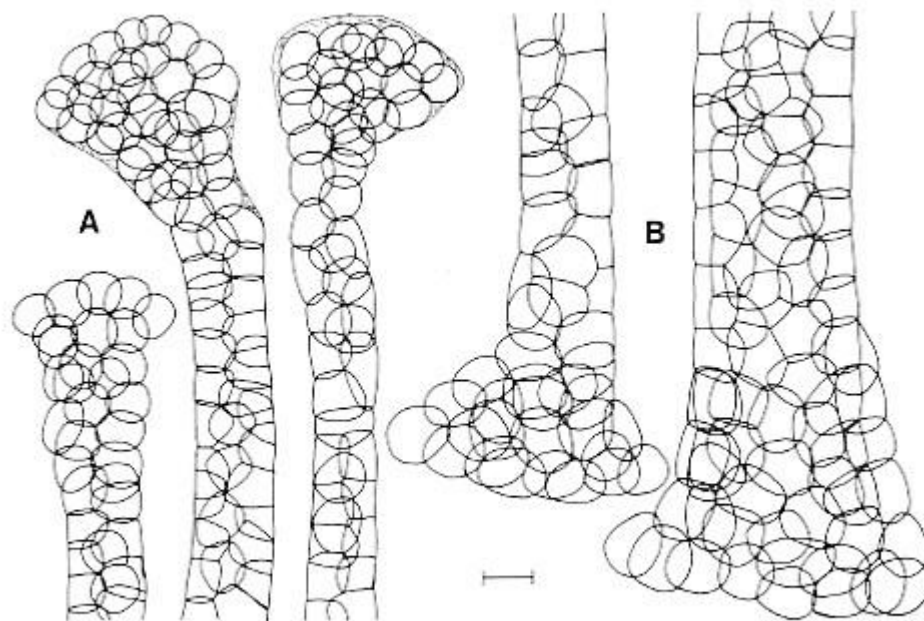
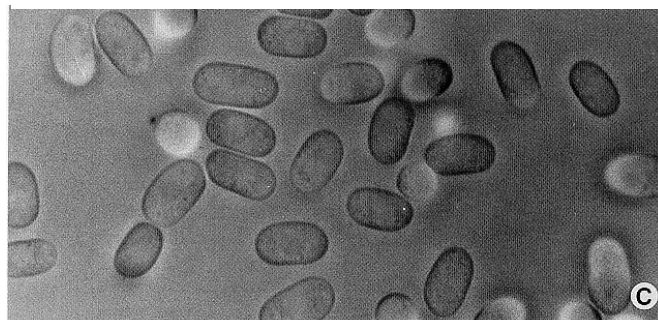


Fig. 33. *Dictyostelium crassicaule*. A. Tips. B. Bases. Scale = 10 μ m.



C

D. macrocephalum オオタマホコリカビ

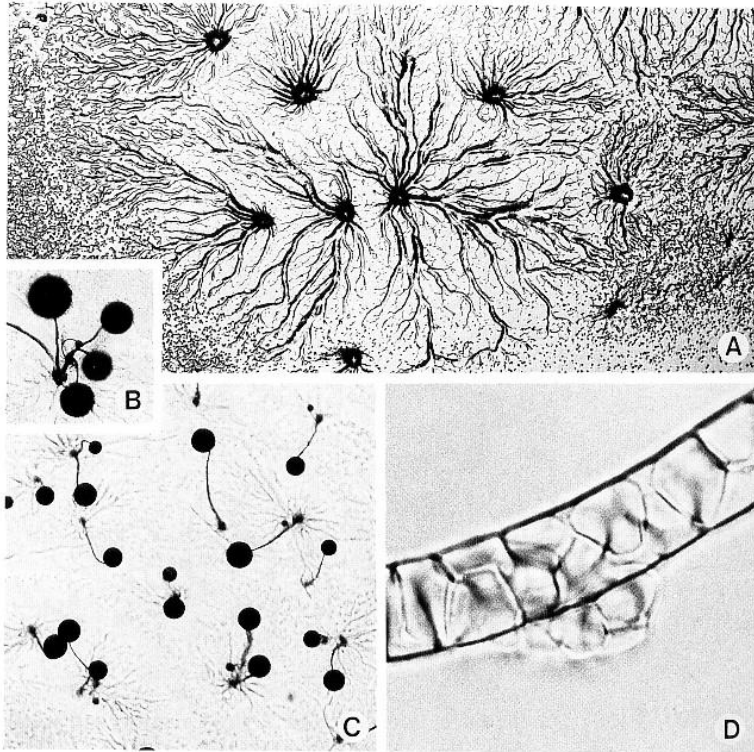


Fig. 44. *Dictyostelium macrocephalum*. A. Pseudoplasmodia. $\times 20$. B. Branching sorocarp. $\times 18$. C. Growth habit. $\times 18$. D. Supporter. $\times 1,000$.

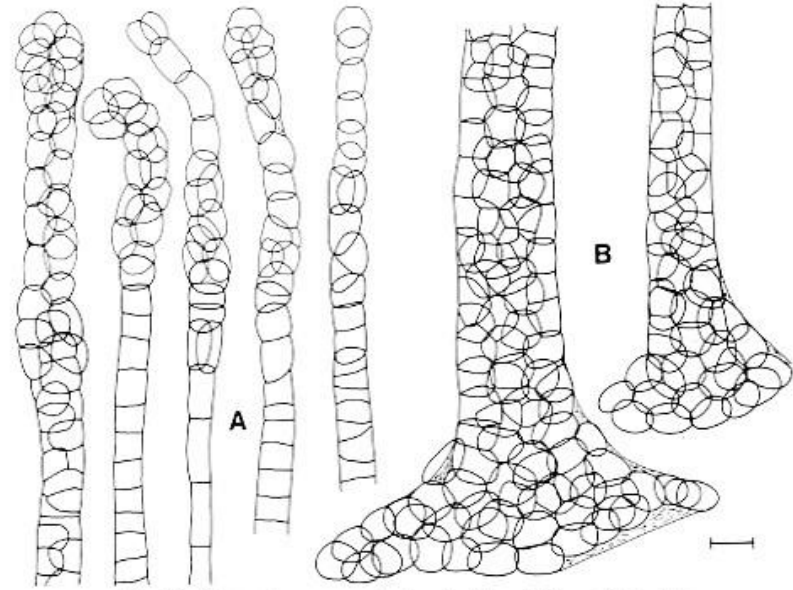
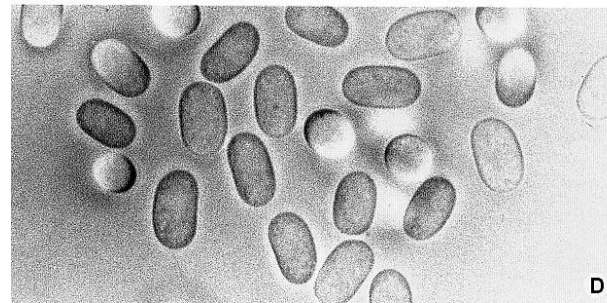


Fig. 45. *Dictyostelium macrocephalum*. A. Tips. B. Bases. Scale = 10 μm .



D

D. gloeosporum

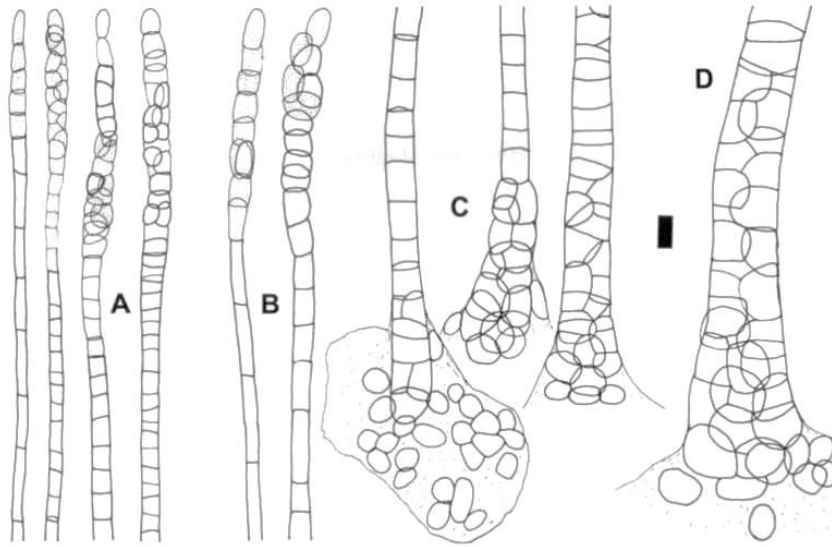


Fig. 1. *Dictyostelium gloeosporum*. A. Sorophore tips. B. Sorophore tips consisting of large-sized cells. C. Sorophore bases. D. Sorophore base consisting of large-sized cells. Bar = 10 μ m.

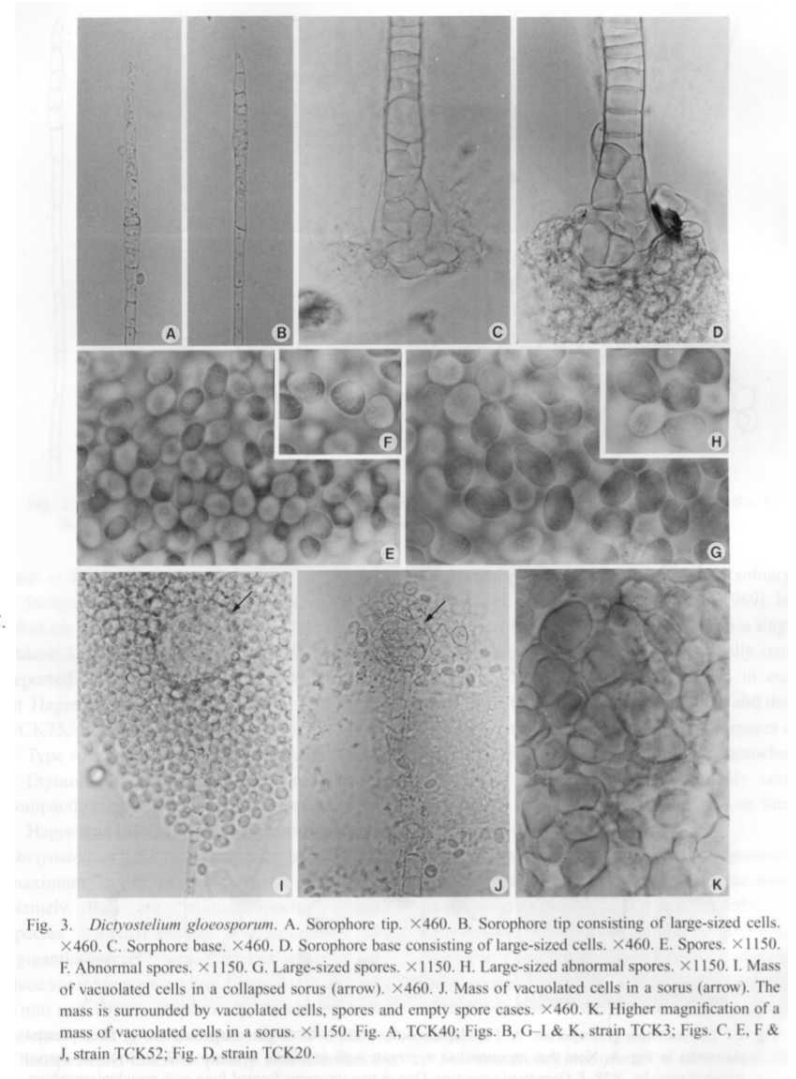


Fig. 3. *Dictyostelium gloeosporum*. A. Sorophore tip. $\times 460$. B. Sorophore tip consisting of large-sized cells. $\times 460$. C. Sorophore base. $\times 460$. D. Sorophore base consisting of large-sized cells. $\times 460$. E. Spores. $\times 1150$. F. Abnormal spores. $\times 1150$. G. Large-sized spores. $\times 1150$. H. Large-sized abnormal spores. $\times 1150$. I. Mass of vacuolated cells in a collapsed sorus (arrow). $\times 460$. J. Mass of vacuolated cells in a sorus (arrow). The mass is surrounded by vacuolated cells, spores and empty spore cases. $\times 460$. K. Higher magnification of a mass of vacuolated cells in a sorus. $\times 1150$. Fig. A, TCK40; Figs. B, G-I & K, strain TCK3; Figs. C, E, F & J, strain TCK52; Fig. D, strain TCK20.

D. capitatum

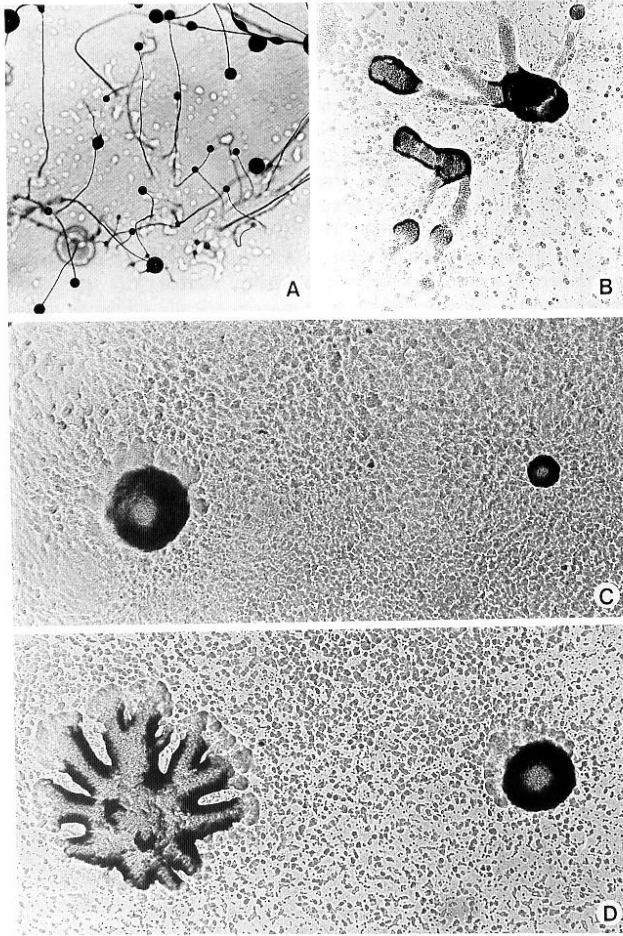


Fig. 30. *Dictyostelium capitatum*. A. Growth habit. $\times 30$. B. Subdivided pseudoplasmodium. $\times 60$. C, D. Developmental processes of aggregations. $\times 47$.

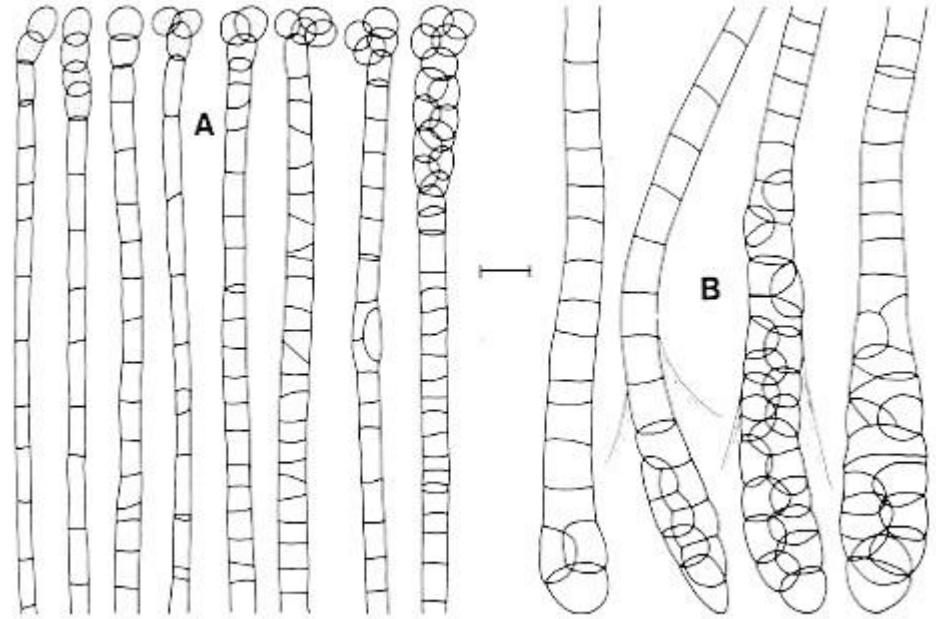
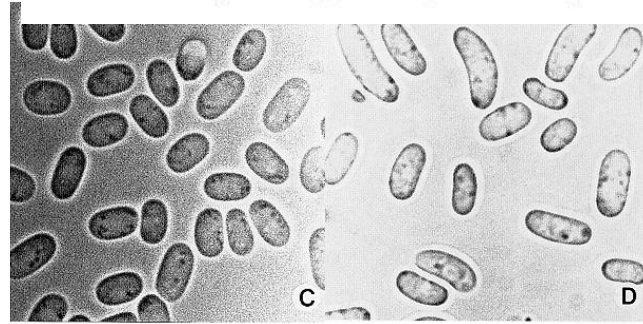


Fig. 31. *Dictyostelium capitatum*. A. Tips. B. Bases. Scale = $10\mu\text{m}$.



Dは異常型

C D

D. mucoroides タマホコリカビ

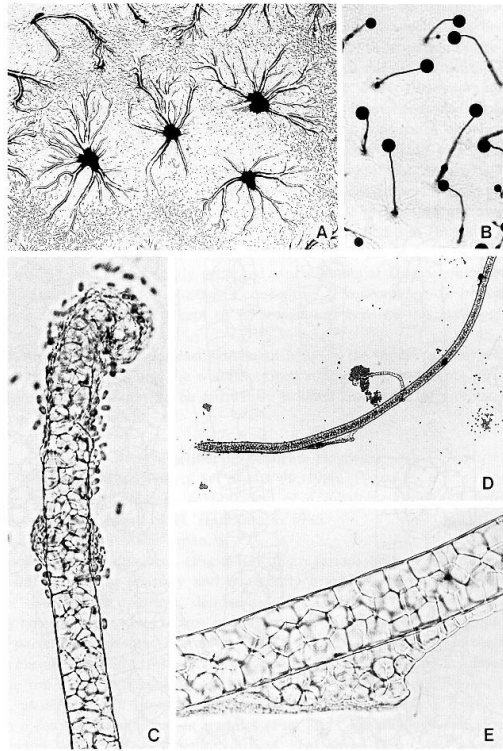
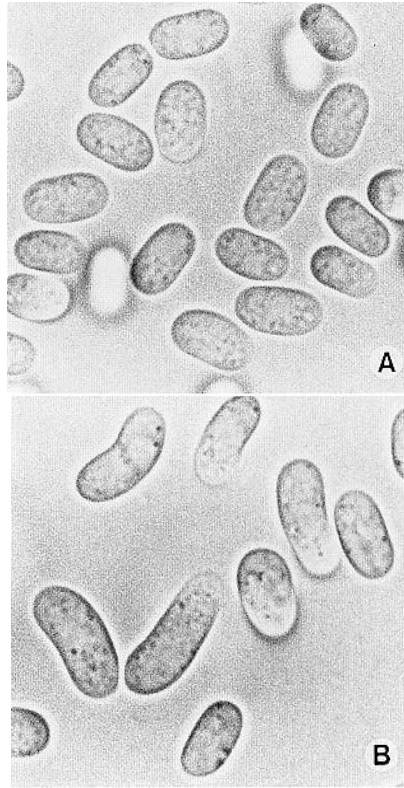


Fig. 52. *Dictyostelium mucoroides*. A. Pseudoplasmodia. $\times 16$. B. Growth habit. $\times 16$. C. Tip with a collar. $\times 390$. D. Lower part of a sorophore with a branch and a supporter. $\times 61$. E. Supporter. $\times 590$.



Bは異常型

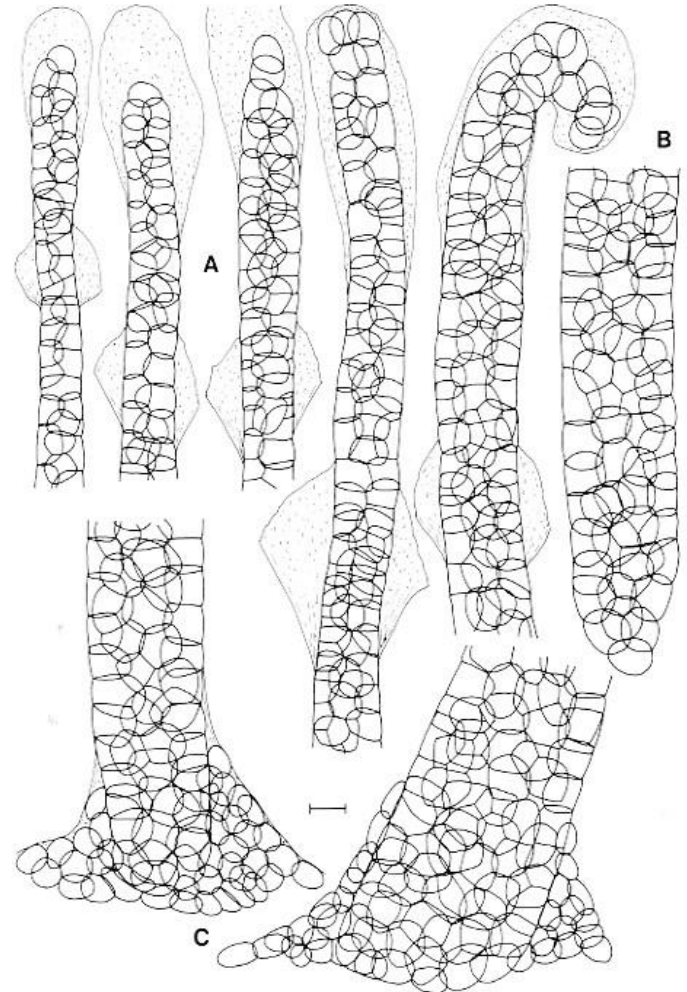


Fig. 53. *Dictyostelium mucoroides*. A. Tips. B. Base of a prostrate sorophore. C. Bases of prostrate sorophores. Scale: 10 μ m.

D. discoideum キイロタマホコリカビ

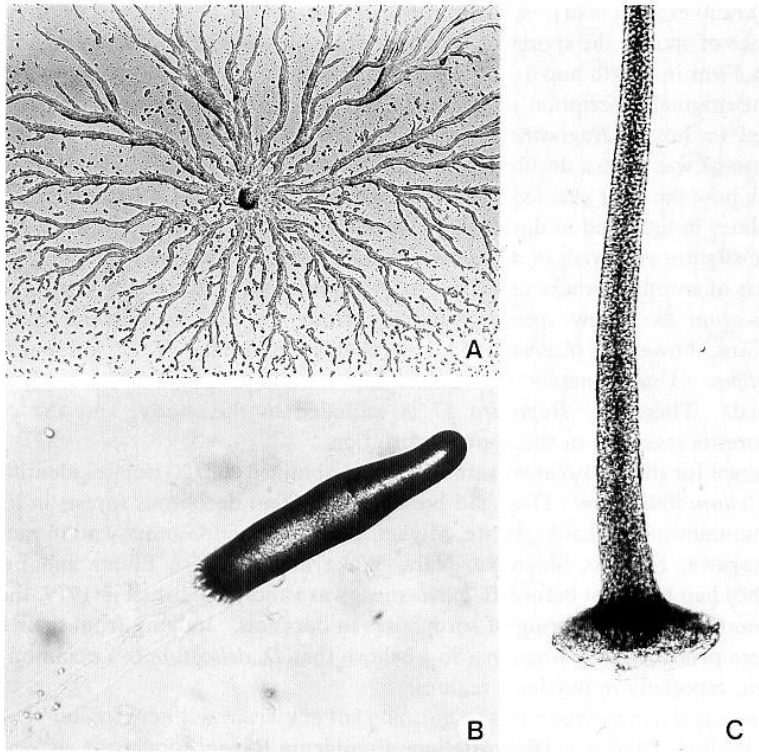


Fig. 36. *Dictyostelium discoideum*. A. Pseudoplasmodium. $\times 31$. B. Migrating pseudoplasmodium. $\times 80$. C. Lower part of a sorophore with a well-developed basal disk. $\times 65$.

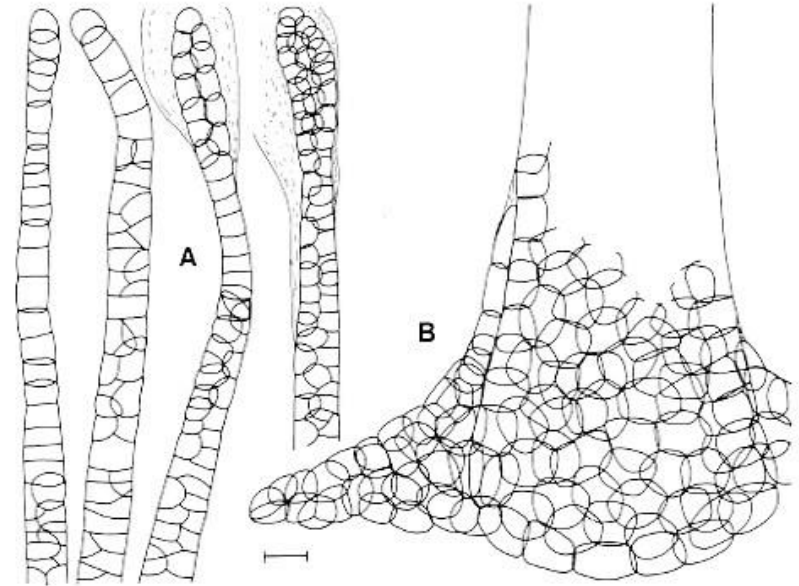
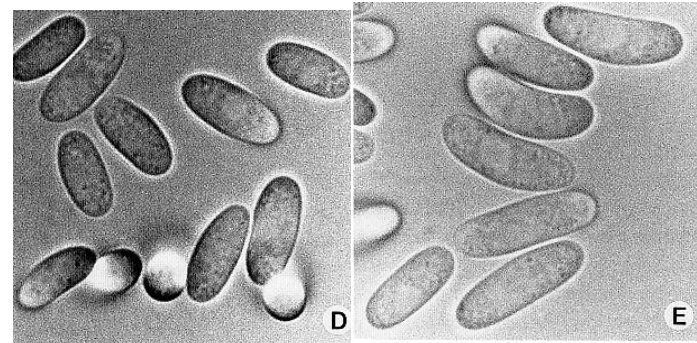


Fig. 37. *Dictyostelium discoideum*. A. Tips. B. Base. Scale = 10 μ m.



Eは異常型

D

E

D. clavatum ヒトリタマホコリカビ

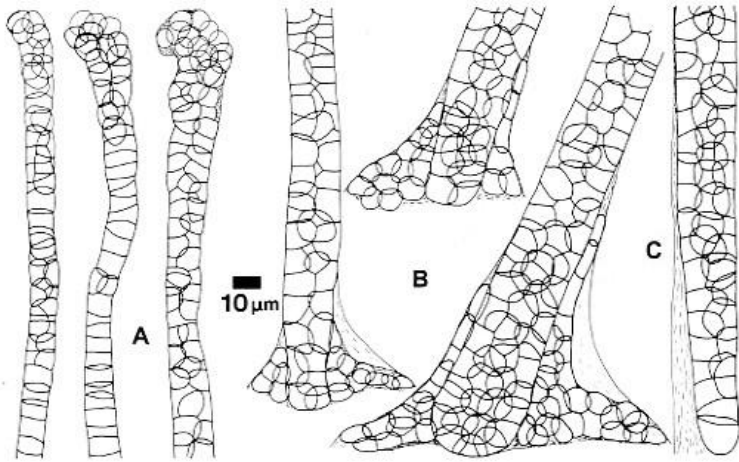
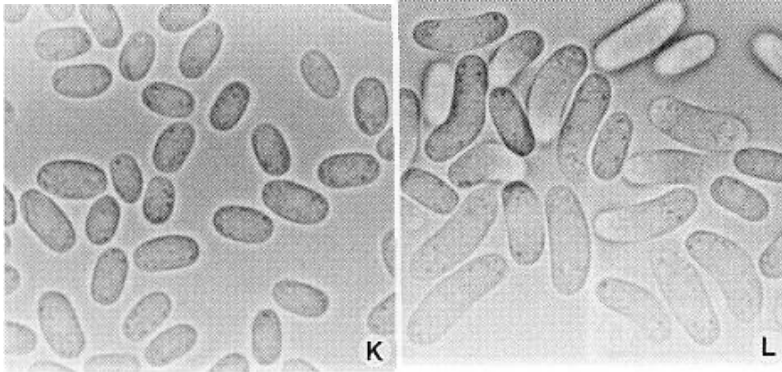
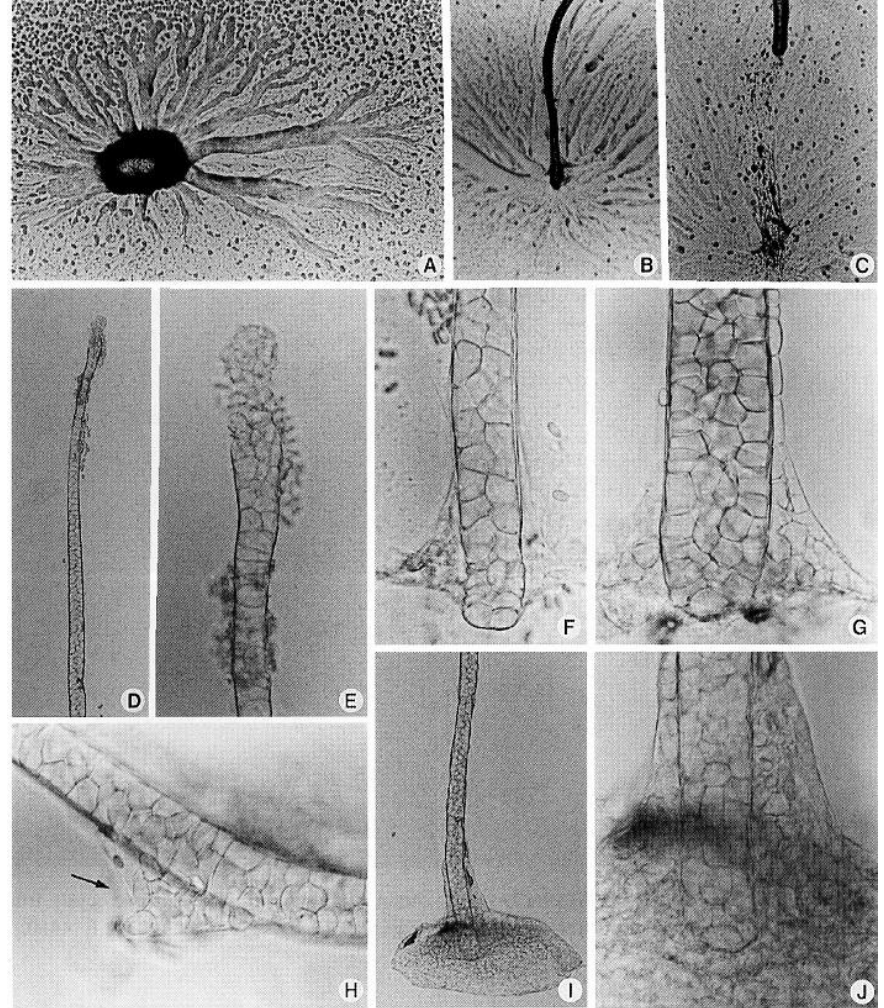


Fig. 1. *Dictyostelium clavatum*. A. Sorophore tips. B. Sorophore bases with supporting cells. C. Sorophore base of a prostrate sorocarp.



Lは異常型



D. implicatum モツレタマホコリカビ

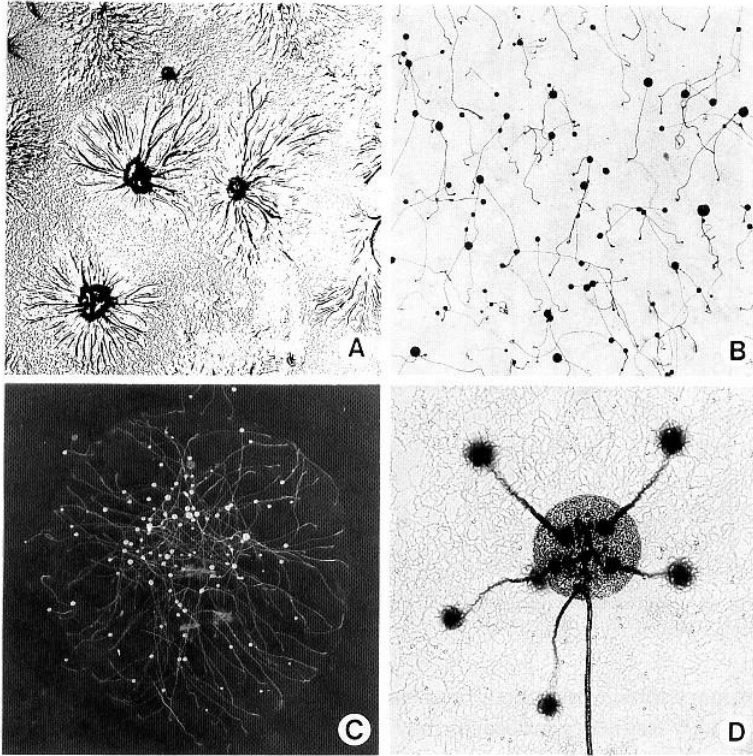


Fig. 40. *Dictyostelium implicatum*. A. Pseudoplasmodia. $\times 13$. B. Growth habit in one-sided light. $\times 5$. C. Growth habit in diffuse light. $\times 5$. D. Secondary sorocarps developing from a collapsed sorus. $\times 35$.

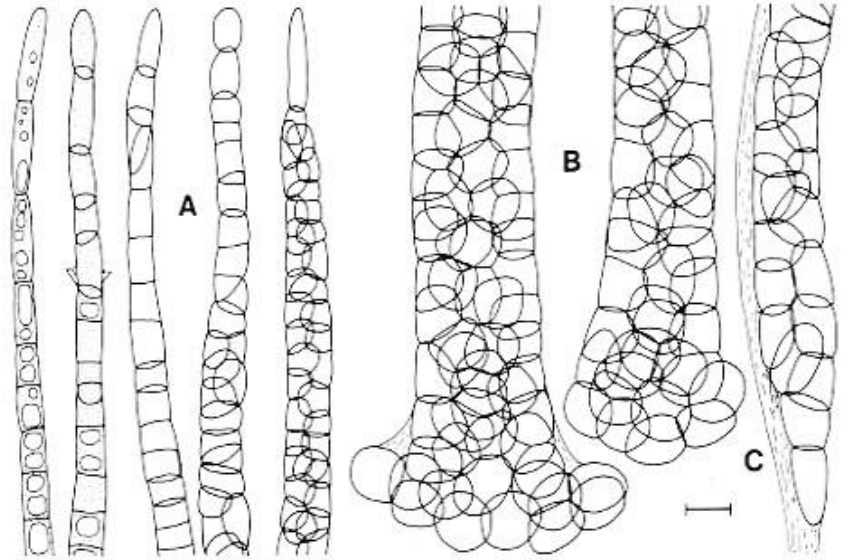
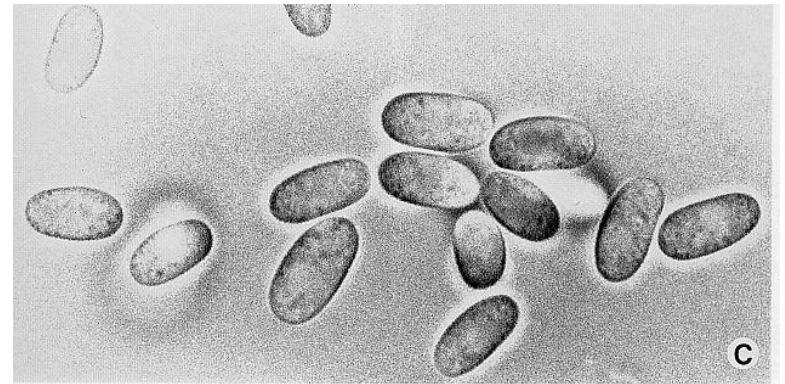


Fig. 41. *Dictyostelium implicatum*. A. Tips. B. Bases. C. Base of a prostrate sorophore. Scale = 10 μm .



D. brefeldianum コブシタマホコリカビ

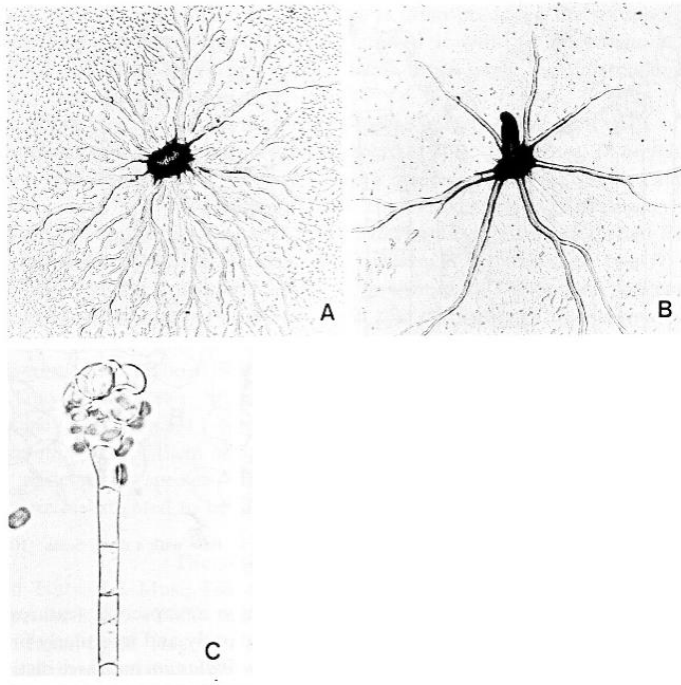


Fig. 28. *Dictyostelium brefeldianum* and its related species. A, B. Developmental processes of aggregation in *D. brefeldianum*. $\times 34$. C. Tip of *D. brefeldianum*. $\times 660$. D, E.

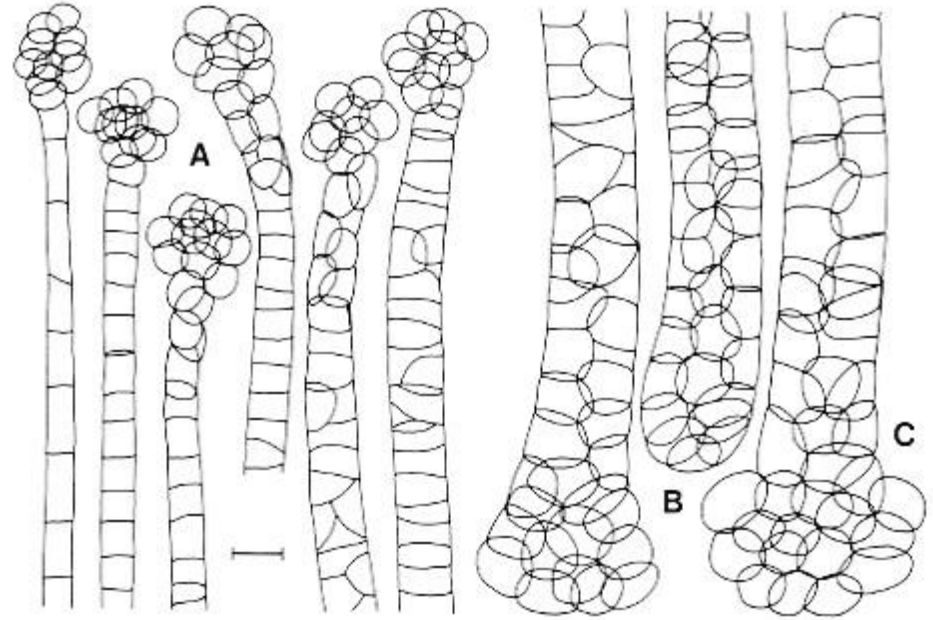
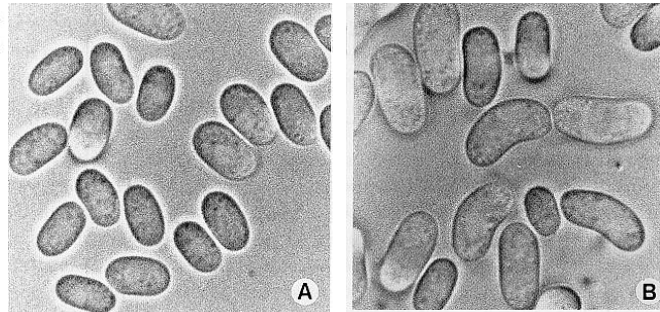


Fig. 29. *Dictyostelium brefeldianum*. A. Tips. B. Bases. C. Base with a disk. Scale = 10 μm .



Bは異常型

D. pseudo-brefeldianum ヒヨロタマホコリカビ

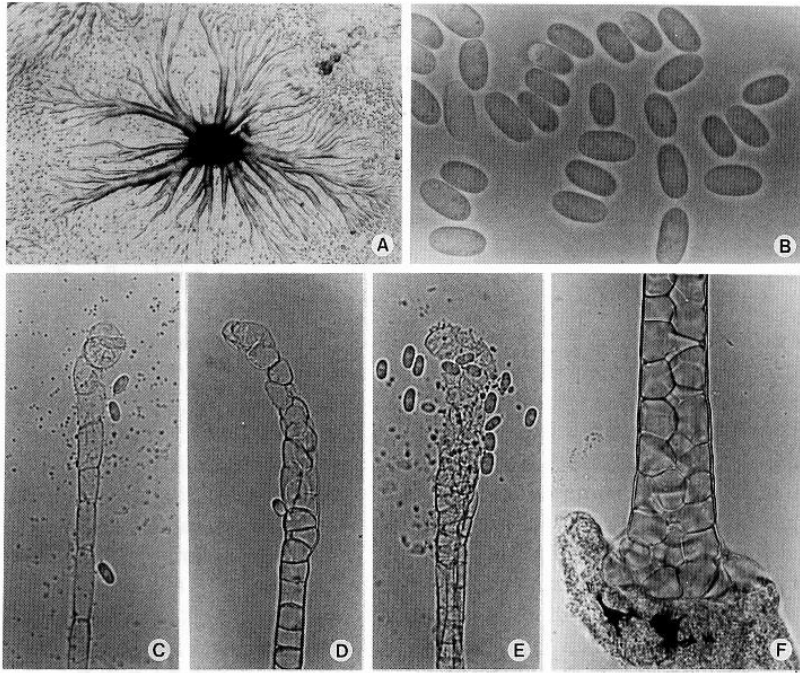
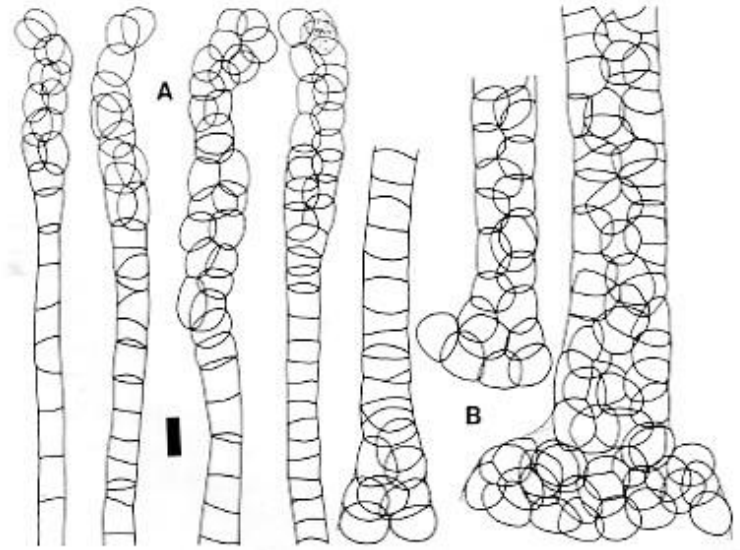


Fig. 2. *Dictyostelium pseudo-brefeldianum*. A. Pseudoplasmodium. $\times 12$. B: Spores. $\times 1200$. C-E. Sorophore tips. $\times 480$. F. Sorophore base. $\times 480$.



Dictyostelium pseudo-brefeldianum. A. Sorophore tips. B. Sorophore bases. Ba
1 μ m.

D. giganteum セイタカタマホコリカビ

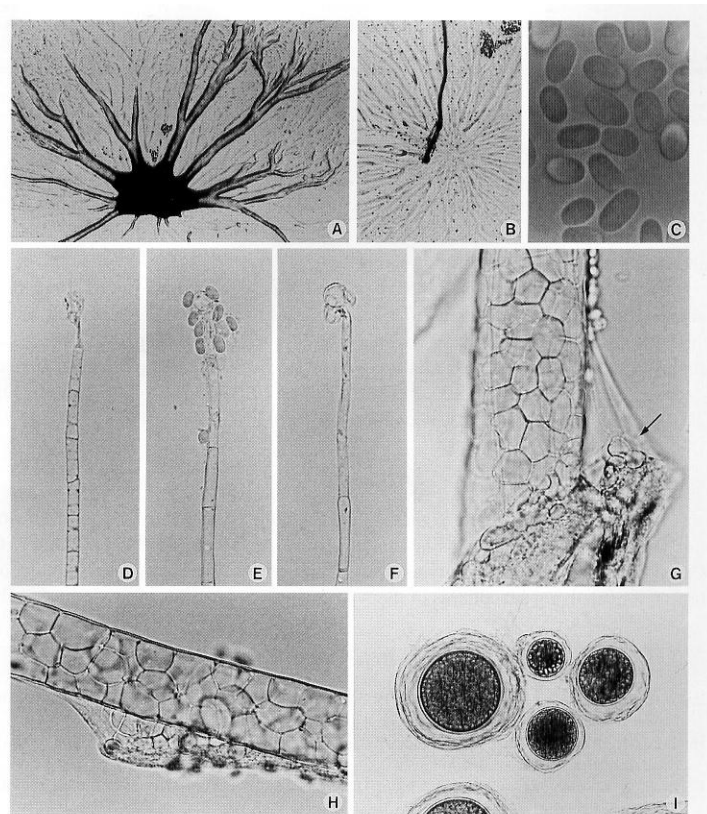


Fig. 2. *Dictyostelium giganteum*. A. Pseudoplasmodium. $\times 24$. B. Growth habit of a sorocarps.

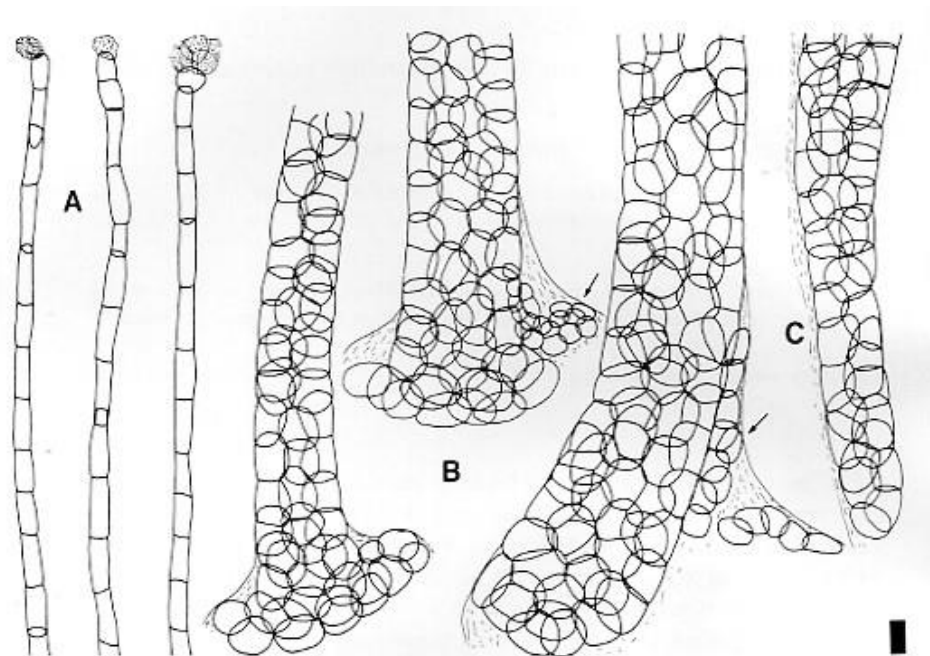


Fig. 1. *Dictyostelium giganteum*. A. Sorophore tips. B. Sorophore bases. Note supporting cells indicated by arrows. C. Sorophore base of a prostrate sorocarp. Scale = $10 \mu\text{m}$.

D. firmibasis シロタマホコリカビ

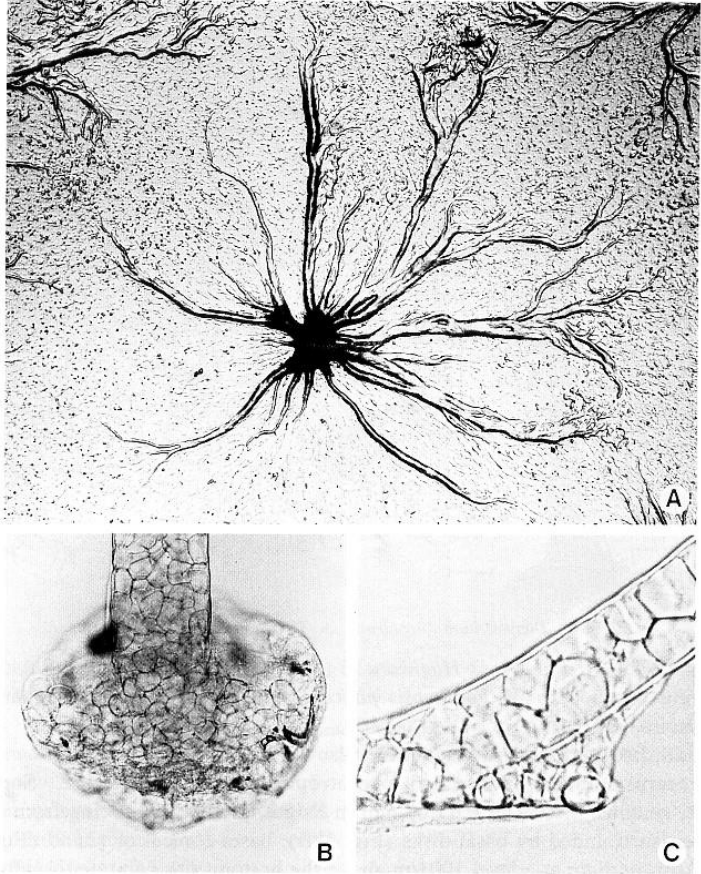


Fig. 38. *Dictyostelium firmibasis*. A. Pseudoplasmodium. $\times 23$. B. Base with a well-developed disk. $\times 280$. C. Supporter. $\times 870$.

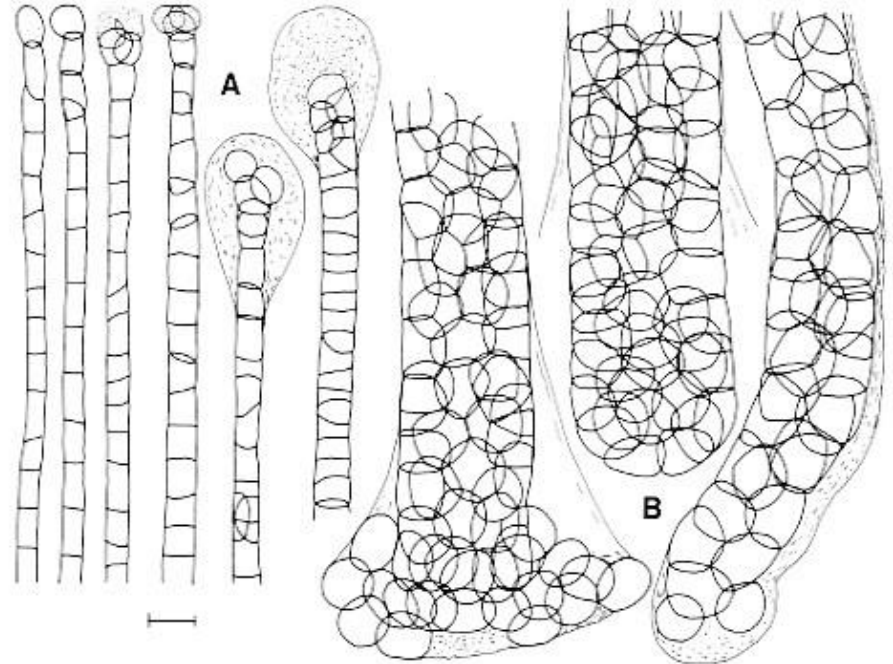
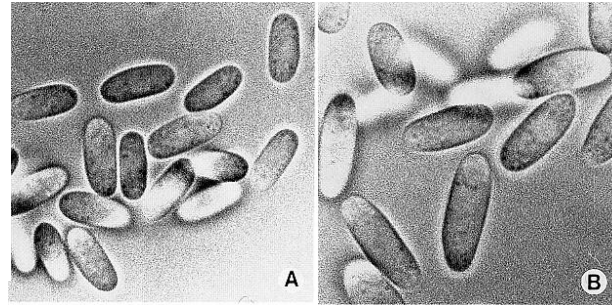


Fig. 39. *Dictyostelium firmibasis*. A. Tips. B. Bases. Scale = $10 \mu\text{m}$.



Bは異常型

A

B

D. septentrionalis フトエタマホコリカビ

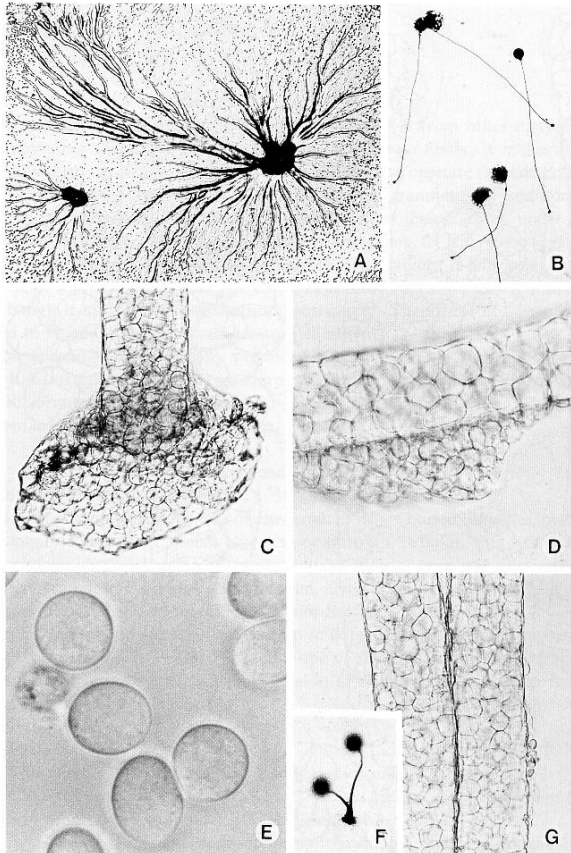
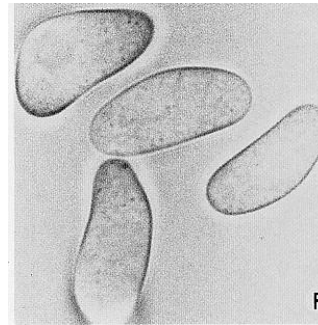
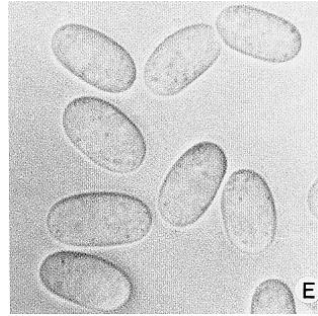


Fig. 62. *Dictyostelium septentrionalis*. A. Pseudoplasmodia. $\times 19$. B. Growth habit. $\times 7$. C. Base with a well-developed disk. $\times 250$. D. Supporter. $\times 490$. E. Abnormal spores produced at 20°C. $\times 1,800$. F. Coremium-like sorocarps. $\times 11$. G. Detaching part of coremium-like sorocarps. $\times 270$.



20°Cでは、Fのような異常な胞子が生じる

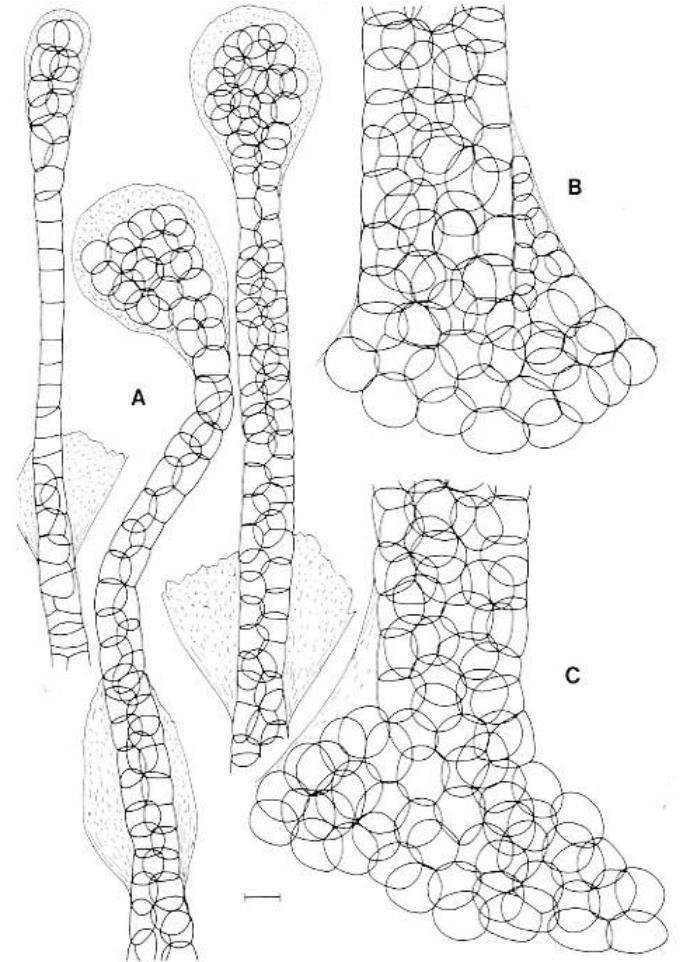


Fig. 63. *Dictyostelium septentrionalis*. A. Tips. B. Base with supporting cells. C. Base with a disk. Scale = 10 μ m.

D. purpureum ムラサキタマホコリカビ

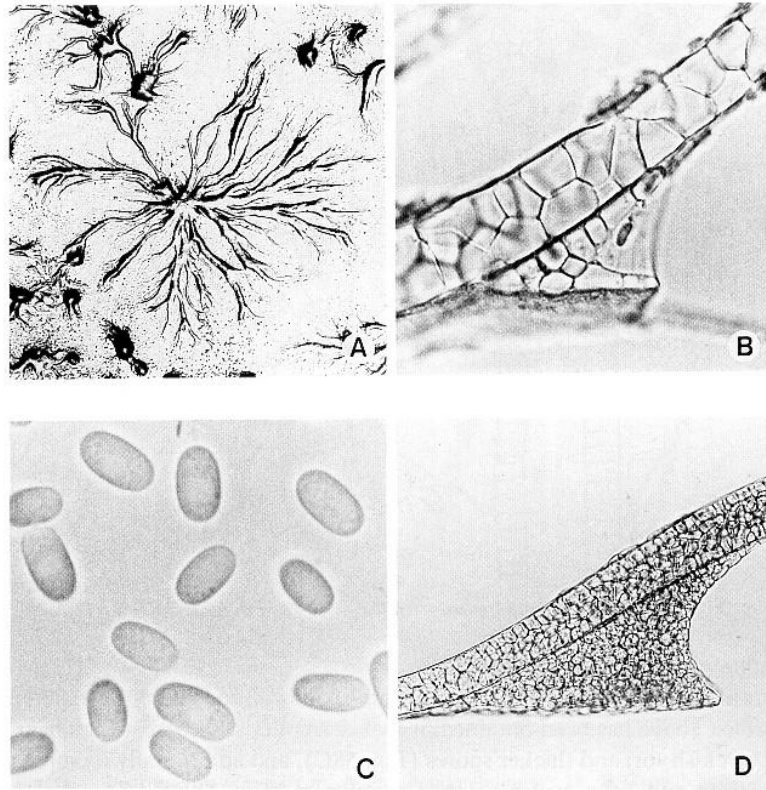


Fig. 58. *Dictyostelium purpureum* and its related isolates. A. Pseudoplasmodia of *D. purpureum*. $\times 14$. B. Supporter of *D. purpureum*. $\times 560$. C. Spores of an isolate Oki-2. $\times 1,800$. D. Supporter of an isolate Oki-6. $\times 235$.

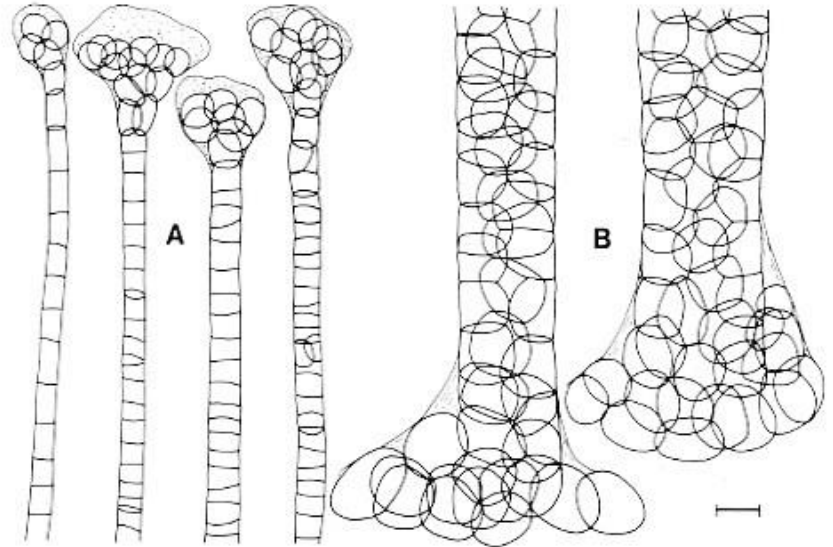
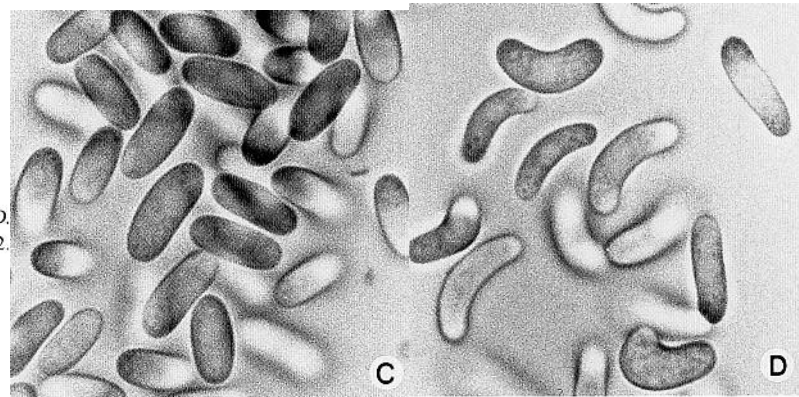


Fig. 59. *Dictyostelium purpureum*. A. Tips. B. Bases. Scale = 10 μm .

Dは異常型



D. robustum

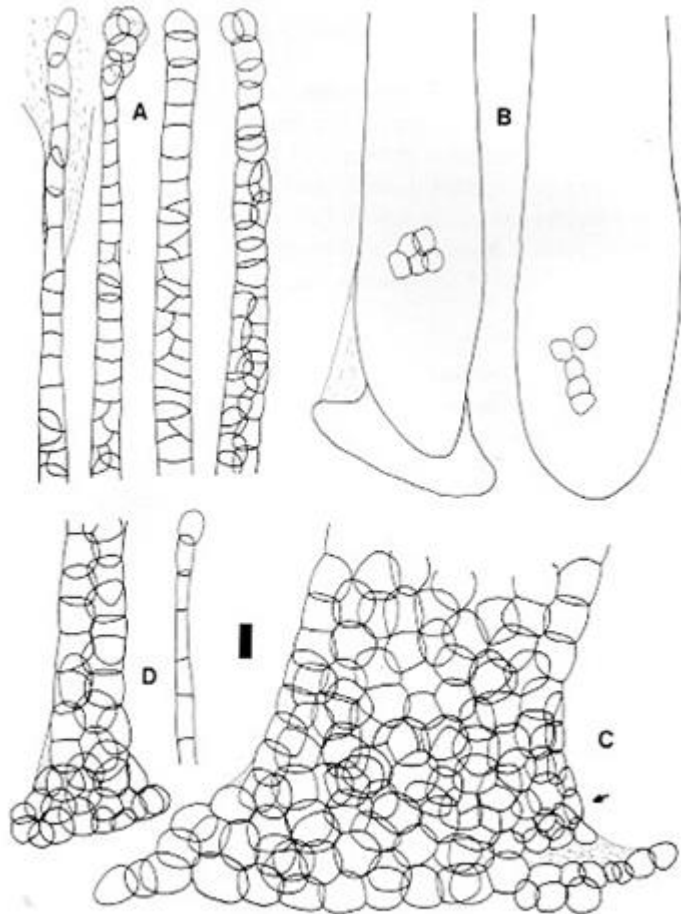
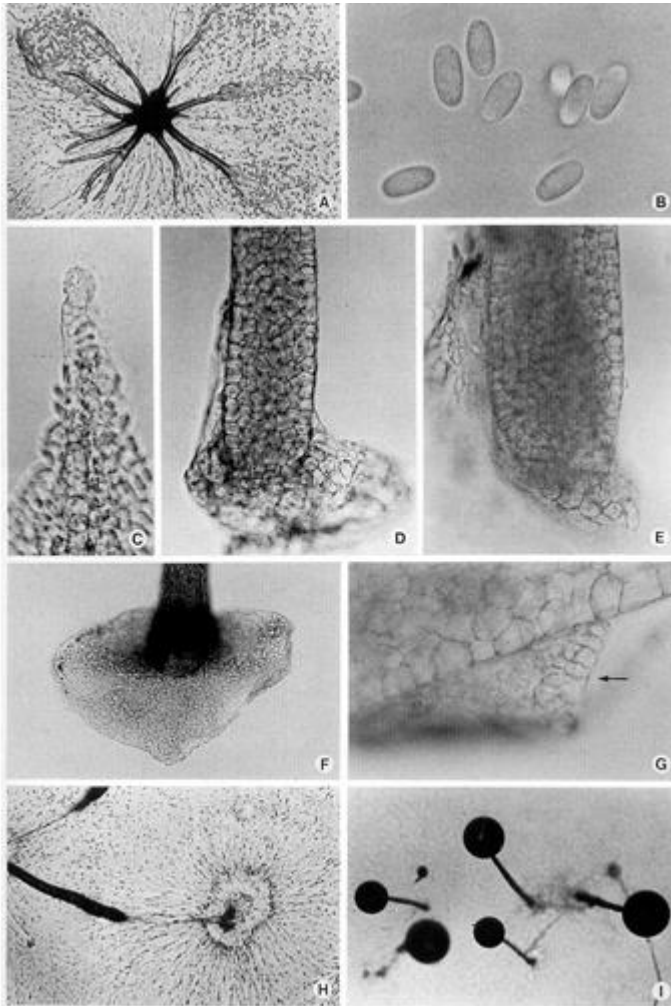


Fig. 3. *Dictyostelium robustum*. A. Sorophore tips. B. Sorophore bases. C. Sorophore base with supporting cells (arrow). D. Sorophore tip and base of a small sorus. Bar = 10 μ m for A, C, D and 20 μ m for B.