

they have a low chance of survival on account of genetic imbalance, it is likely that many of the cells die (Marks<sup>9</sup>).

In the present material, the presence of four telocentrics in place of two full chromosomes makes the chromosome complement full and their presence is not affecting either the exophenotype or the endophenotype. Their behaviour clearly shows the genetically well balanced structure of this strain. The meiosis is normal giving rise to genetically balanced gametes largely. Thus the telocentrics in this strain could be stable.

Financial assistance from the U.G.C. to the senior author is gratefully acknowledged.

Department of Botany,  
Andhra University,  
Waltair 530003, India,  
December 3, 1976.

J. V. PANTULU.

G. J. NARASIMHA RAO.

1. Nawaschin, S. G., *Timirjasseffs Festschrift*, 1916, p. 185.
2. Darlington, C. D., *J. Genet.*, 1936, 33, 465.
3. White, M. J. D., *Proc. Roy. Soc.*, 1935, B 119, 61.
4. Upcott, M. B., *Ibid.*, 1937, B 124, 336.
5. Rhoades, M. M., *Genetics.*, 1936, 21, 491.
6. Lima-de-Faria, A., *Hereditas (Lund.)*, 1956, 42, 85.
7. Southern, D. I., *Chromosoma (Berl.)*, 1969, 26, 140.
8. Darlington, C. D. and Lacour, L. F., *Heridity*, 1950, 4, 217.
9. Marks, G. E., *Amer. Naturalist*, 1957, 91, 223.
10. Strid, A., *Bot. Not (Lund.)*, 1968, 121, 153.
11. Tsunewaki, K., *Can. J. Genet. Cytol.*, 1963, 5, 462.
12. Tsuchiya, T., *Cereal Research Commu.*, 1973, 1(3), 23.

#### A NEW SPECIES OF *MICROPERA* LEV. (COELOMYCETES) FROM MAHARASHTRA (INDIA)

A RARE but interesting pycnidial fungus belonging to the form-genus *Micropera* Lev. (Form O. sphaeropsidales) was recently collected at Poona growing on *Kickxia ramosissima* (Wall.) Janchen. (Fam. Scrophulariaceae) well known for its medicinal properties. On detailed study of its morphology and dimensions the fungus proved to be quite distinct from all other known species of the form-genus including *M. indica* Paw. and Kulk<sup>1</sup>. Hence, the same has been described here as a new species, with Latin diagnosis thus:

*Micropera suttonii* sp. nov. (Fig. 1)

Stromata atro-fusca, sub-erumpentia, dispersa, pycnidia dispersa, multi-loculata (2-3), crassiusculae ostiolata, immersa in plantis textibus, pezizoidea,

magnitudine, 290-360  $\mu$ m in diam. Pycnidio-phora brevia, simplicia, hyalina vel sub-hyalina. Pycnidio-spores cylindraco-fusoidea, 3-5 septata, curvata vel flexa, hyalina vel olivacea, magnitudine, 58-86  $\times$  3.3-4.2  $\mu$ m.

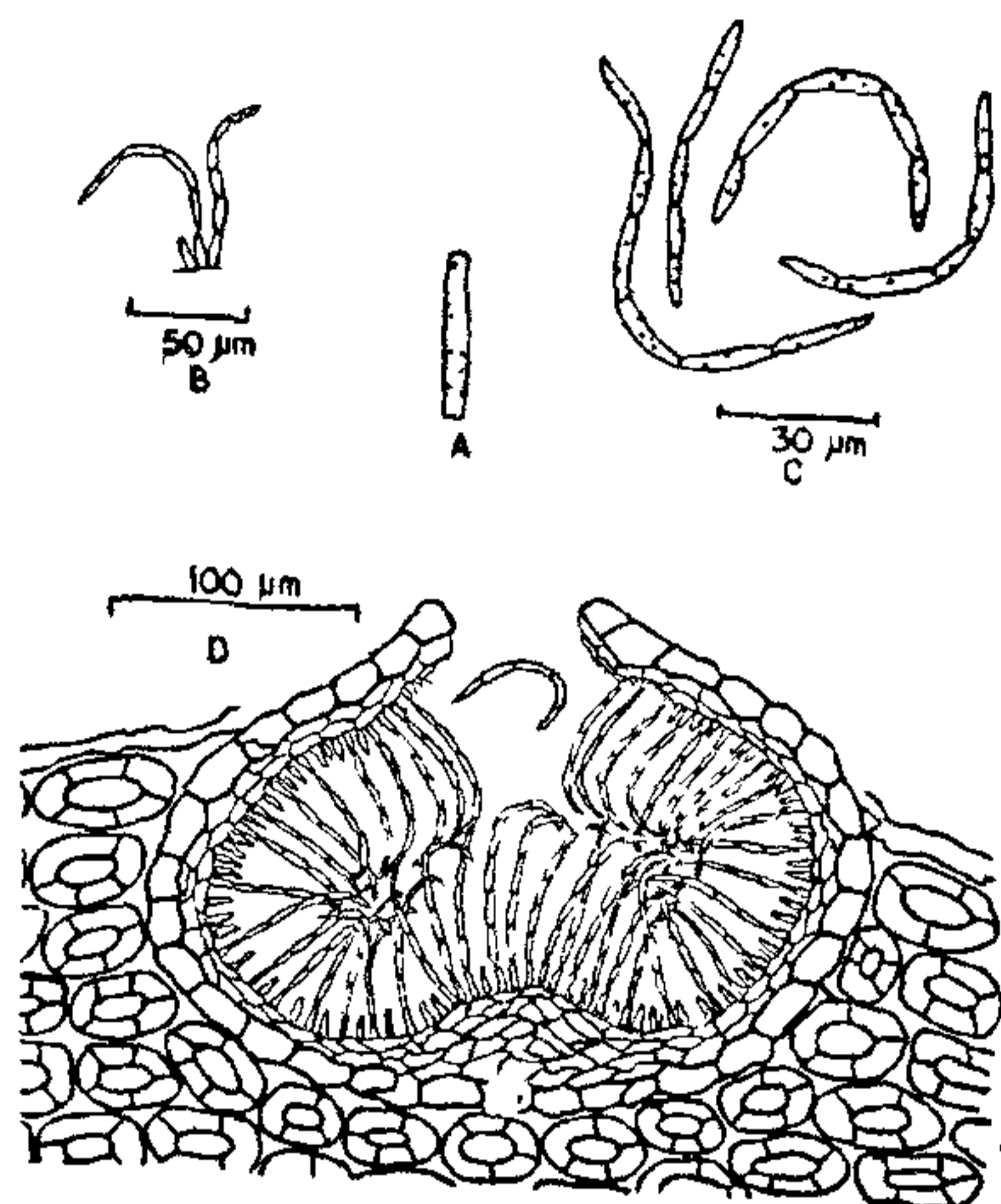


FIG. 1. *Micropera suttonii* sp. nov. A, Habit; B, Conidiophores; C, Pycnidiospores; D, V.S. of Pycnidium.

**Matrix:** In culmis viventibus *Kickxia ramosissima* (Wall.) Janchen. (Fam. Scrophulariaceae), ad Poona, India, 26-6-1976, legit B. R. Dayakar Yadav, No. AMH 3388 (Holotypus).

The specific epithet has been chosen in honour of Dr. B. C. Sutton, Mycologist, C.M.I., Kew, England, in recognition of his notable contributions to Coelomycetes.

#### Discussion

On critical study of morphological features of the 16 known species of *Micropera* Lev., the pycnidiospores of the present collection were found to be significantly bigger in size being 58-86  $\times$  3.3-4.2  $\mu$ m and hence the fungus is presented here as a new species. The fungus constitutes the 2nd report from Maharashtra.

The authors are grateful to Prof. M. N. Kamat, Head, Department of Mycology and Plant Pathology, for his keen interest and to the Director for the laboratory facilities.

M.A.C.S. Research Institute, B. R. DAYAKAR YADAV,  
Poona 411 004 (India), V. G. RAO.

February 23, 1977.

1. Pawar, I. S. and Kulkarni, U. K., *J. Bombay Nat. Hist. Soc.*, 69 (2), 457.