Isolated from leaf litter, scrub jungle forest, Vikarabad, Hyderabad Dist, A.P., India, 4 July 1977, OUF 228, The type slide has been deposited at I.T.C.C., I.A.R.I., New Delhi.

PROLIFERATION IN THE REPRODUCTIVE STRUCTURES OF ASPERGILLUS NIGER VAN TIEGHM

DURING the survey of micro-fungi associated with the leaf litter of a scrub jungle forest, Vikarabad, A.P., India the authors have isolated an interesting Aspergillus niger Van Tieghem showing proliferation. This isolate is characterized in possessing sterigmata in two series on primary vesicle and conidia. It is interesting to find that these secondary sterigmata gave rise to slender secondary conidiophores with small vesicles possessing biseriate sterigmata. This kind of proliferation is not common in Aspergillus niger though not uncommon in other Aspergilli. This is the first report of proliferation in A. niger.

A brief description of the present isolate is as follows:

Primary conidiophores are 700–1500 × 13·5–20·8 μm, vesicles 140–205 μm in diam, phialides in two series 36–40 × 7·2–12· μm, secondary conidiophores proliferating from secondary sterigmata, 72–150 × 3·6–5·2 μm, secondary vesicles small, 7·2–12·5 μm in diam, sterigmata in two series, 6·5–14·0 × 1·8–4·7 μm; conidia spherical, brown to black, 2·8–5·6 μm in diam. (Figs. A, B, C).

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