CHLOROTHECIUM CAPITATUM PASCHER—A NEW RECORD FROM INDIA

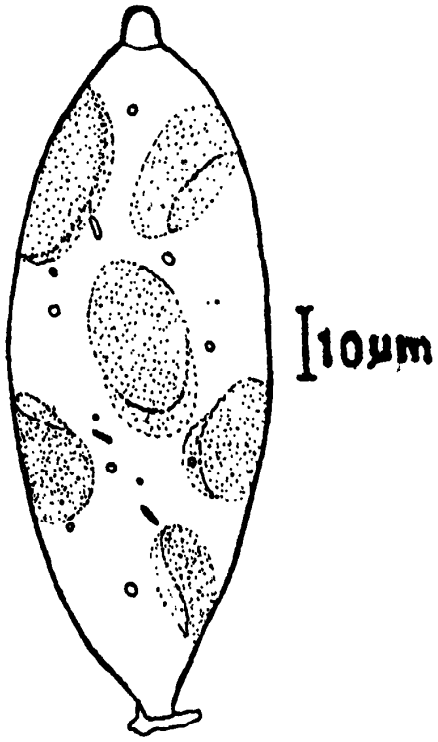
During algal explorations in Eastern India in Bihar, a species of *Chlorothecium* Borzi (Xanthophyceae) was collected from a perennial man-made pond of Ranchi. After a critical study, it has been identified as *Chlorothecium capitatum* Pascher. So far *Chlorothecium capitatum* has not been reported from India, though Tarapchak (1972) has dealt with this species in his paper, based on collections from Minnesota, United States of America. The occurrence of this species in Ranchi Hills extends its distribution to India, suggesting phytogeographic affinities of these areas.

Chlorothecium capitatum Pascher. Torapchak, ST. *Nova Hedw.* Band 23, Haft 1, pp. 1-44, 1972.

Cells solitary, 23.5 × 10.1 μm ; straight, nearly symmetrical with the plane of maximum breadth below the middle of the cell ; cell wall relatively thick, smooth, and colourless ; apex of cell rounded, with a papilla resulting from the deposition of dense wall material ; stipe very short and thick, with an accumulation of dark reddish-brown mineral deposits around the base of cell ; chromatophores 6 oval parietal plates ; reddish-orange oil bodies, small lipid droplets, and red-shaped bodies were present in most specimens (Fig. 1).

This species is very slightly more in dimension and with less chromatophores in number as compared to the description of Tarapchak (1972).

Specimen no. X/76.



Chlorothecium capitatum Pascher

Fig. 1. A vegetative cell showing chloroplast etc.

Locality : Pond (heavily sewage polluted) ; Upper Bazar, Ranchi, collected in April, 1985.

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