

*BREVILEGNIA BISPORA* AND *DICTYUCHUS PSEUDODICTYON* : TWO NEW RECORDS FOR INDIAN AQUATIC FUNGI

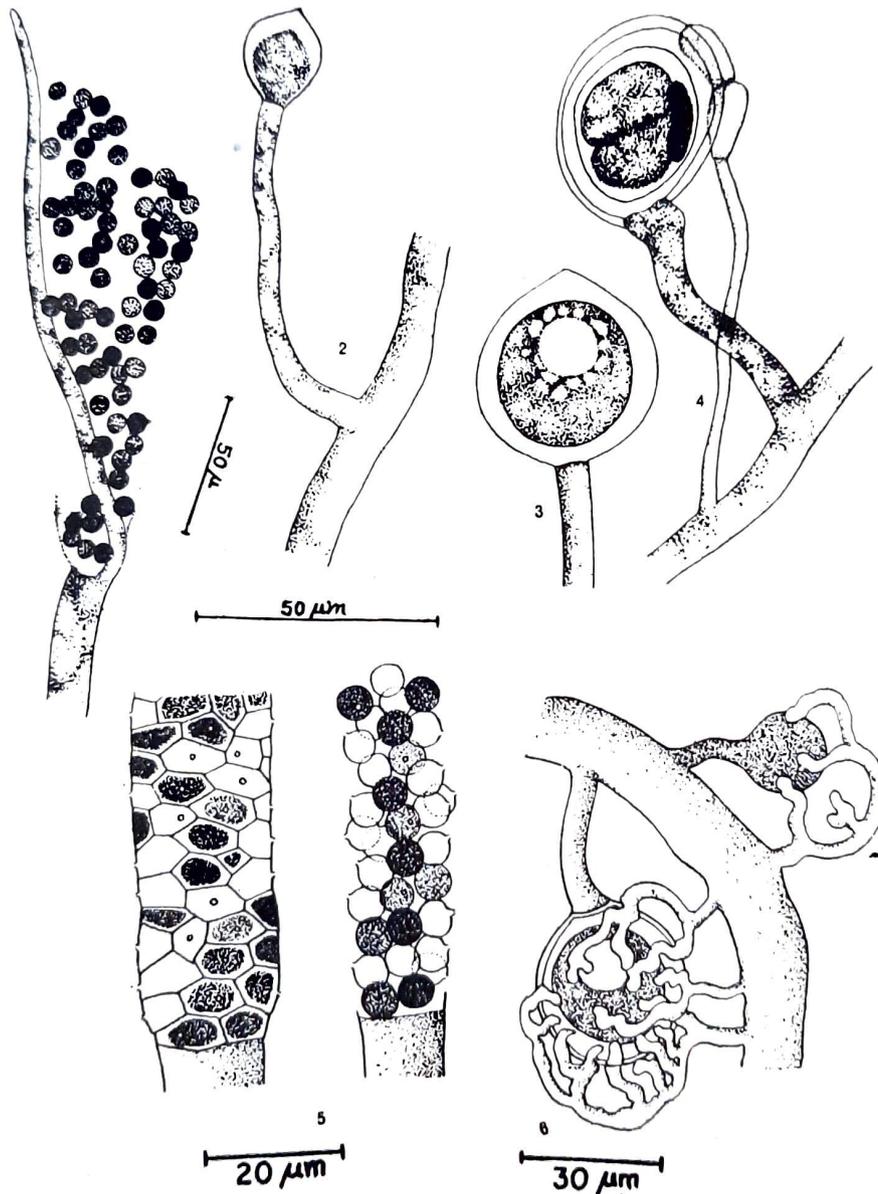
During the course of a study of aquatic mycoflora of alkaline ponds and soils, author isolated many forms. Two of them, which form new records to Indian flora, are briefly described here.

***Brevilegnia bispora* Couch**

Figs. 1-4

Sporangia abundant,  $100-180 \times 25-35 \mu\text{m}$ , spore discharge brevilegnoid,  $8-10 \mu\text{m}$ . Oogonia abundant, measuring  $19-26 \mu\text{m}$ . Oospore single, spherical, filling the oogonium, measuring  $16-19 \mu\text{m}$  in diam. and eccentric.

Isolated in February, 1978 from muddy soils (pH 7.5), collected from Lacchi Tara, Telibagh, Lucknow.



Figs. 1-4. *Brevilegnia bispora*; 1—Sporangium showing brevilegnoid discharge, 2-4—Oogonia showing antheridium.

Figs. 5 & 6 *Dictyuchus pseudodictyon*; 5—True and false net type of sporangia, 6—Oogonium with umbratiform antheridia.

**Dictyuchus pseudodictyon** Coker & Braxton

Figs. 5 & 6

Sporangia abundant,  $100-1400 \times 15-30 \mu\text{m}$ . Spore discharge dictyoid, true and false net sporangia seen. Achlyoid type of discharge not seen. Oogonia abundant,  $30-33 \mu\text{m}$  in diam., oogonial stalk curved and bent, oospore one per oogonium. Antheridia showing umbratiform appearance.

Isolated in December, 1977 from pond water (pH 8.1), collected from Brood Tank of fisheries farm, Utrethiya, Lucknow.

This isolate is different in many respects, such as size of sporangia, oogonia and oospores, from the Florida isolate No. 521 of JOHNSON (1951a, 1951b) and also from that of COKER AND BRAXTON (1926).

The author is thankful to Prof. T. W. Johnson, Duke University, North Carolina for helping in the identification of *B. bispora*. To Prof. J. N. Rai, Lucknow University, Lucknow, the author is grateful for the guidance.

REFERENCES

- COKER, W. C. & BRAXTON, H. H. (1926). New water molds from soil. *Jour. Elisha Mitchell Sci. Soc.*, **42** : 139-149.
- JOHNSON, T. W. JR. (1951a). An isolate of *Dictyuchus* connecting the false and true net species. *Mycologia*, **43** : 365-372.
- JOHNSON, T. W. JR. (1951b). A note on *Dictyuchus pseudodictyon*. *Mycologia*, **43** : 728-729.

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