A New Species of Spirogyra

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A NEW SPECIES OF SPIROGYRA

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Spirogyra hymerae n. sp.

Vegetative cells 83-92 x 43-256μ, with plane end walls; 2-4 chromatophores, usually 3, making 0.5-2 turns in the cell; conjugation scalariform, tubes formed by both cells; receptive gametangia cylindric or slightly enlarged; zygosporis mostly ellipsoid, 53-79μ x 83-128μ, all walls smooth, median wall yellow.

Cellulis vegetativis 83-92 x 43-256μ, dissepimentis planis; chromatophoris 2-4, anfractibus 0.5-2; conjugatione scalar; tubo ex utraque cellula conjuganda emisso; cellulis fructiferis cylindricis, vel paululum inflatis; zygosporis ellipsoideis 53-79μ x 83-128μ, mesosporio laevi, flavescente.

To be compared with Spirogyra setiformis (Roth) Kuetzing from which it differs in number of chromatophores and smaller size.

Collected by the authors from a small pond at Hymera, Sullivan County, Indiana, September 10, 1936.

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