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***SPIRULINA MENEGHINIANA* ZANARD EX GOMONT VAR. *CRASSA* VAR. *NOV.* FROM WEST BENGAL**

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DURING the survey of the algal flora of Bankura (West Bengal), an interesting variety of *Spirulina meneghiniana* named as *Spirulina meneghiniana* var. *crassa* var. *nov.* was found and is described. The type material was deposited in the herbarium of the Department of Botany, Ranchi University, Ranchi, Bihar, under No. D.M./21.

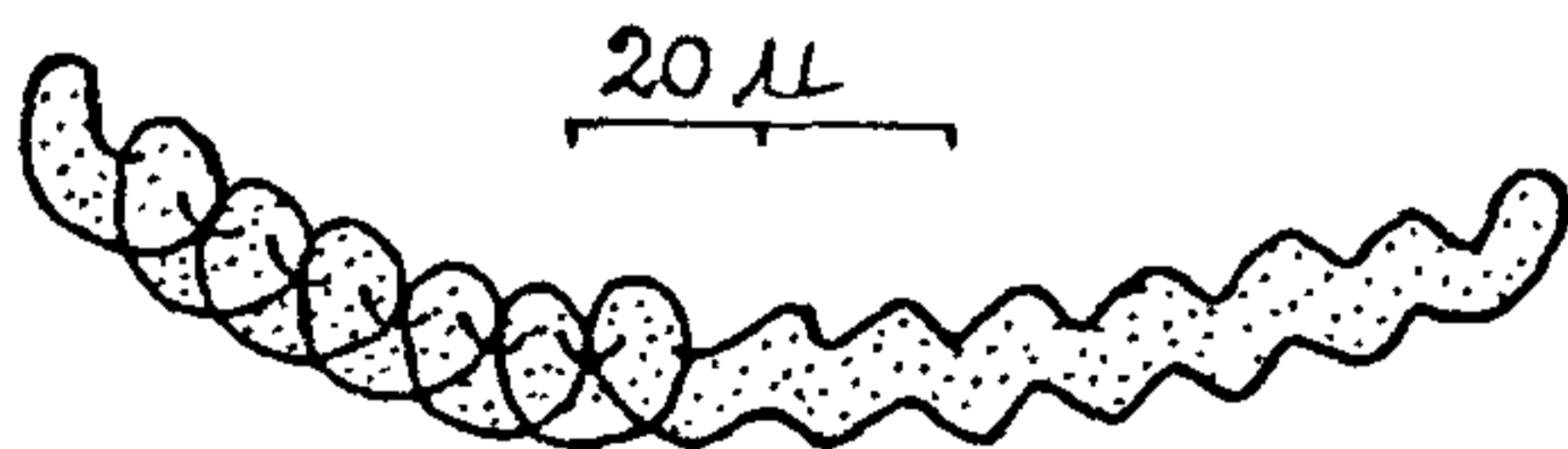
*Spirulina meneghiniana* var. *crassa* var. *nov.* (figure 1)

Trichome amidst other algae, free floating, bright blue-green, flexuous, 3–4  $\mu$  broad; spirals irregular, away from each other, 6.5–9.5  $\mu$  broad and 6.5–15  $\mu$  distant from each other. Collected from the paddy fields of Bishnupur and Kotalpur (Bankura district), West Bengal.

*Latin diagnosis:*

*Spirulina meneghiniana* Zanard ex Gom. var. *crassa* var. *nov.* (figure 1).

Trichomata inter alias algas, 3–4  $\mu$  lata, libera, splendide caeruleo-viridia, flexuosa; spirae irregulares,



**Figure 1.** Camera lucida drawing of *S. meneghiniana* var. *crassa* var. *nov.*

invicem aversae, 6.5–9.5  $\mu$  latae et 6.5–15  $\mu$  inter se distantes.

Typus lectus a D. M. Sub numero 21, ad locum India, Benghala Occidentalis, Bishnupur, Kotalpur, die 2.10.1977, et positus in herbario, Sectione botanica, Universitatis Ranchiensis, Bihar.

The present taxon simulates *S. meneghiniana* Zanard ex Gom.<sup>1,2</sup>, in irregular spirals that are away from one and another but differs in breadth of trichomes which are 3–4  $\mu$  in the present alga, from the type species which ranges from 1.2–1.8  $\mu$  broad. Further, the spirals are 6.5–9.5  $\mu$  broad as against 3.2–5  $\mu$  broad in the type. The distance between the spirals is 6.5–15  $\mu$  as compared to 3–5  $\mu$ .

This alga also differs from *S. meneghiniana*<sup>1</sup> in having broader trichomes, greater breadth and distance of spirals as compared to the form described by Desikachary<sup>1</sup>. The form presently described is therefore regarded as a new variety of *S. meneghiniana* and named as *S. meneghiniana* Zanard ex Gom. Var. *crassa* var. *nov.*

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**NUCLEAR ALIGNMENT AND FUSION IN REGENERATING MUSCLE FIBRES OF MICE INJECTED WITH XYLOTOX**

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INTRAMUSCULAR injections of local anesthetics produce a variety of degenerative changes in the skeletal muscle<sup>1–5</sup> followed by its regeneration<sup>1,6</sup>. This degeneration/regeneration process following local anesthetics administration has been well documented as far as histological alterations in skeletal muscle fibres are