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**DISCOSTELLA HOUK ET**

**KLEE (BACILLARIOPHYTA)**

( )

( )

*Discostella* Houk et Klee (*Bacillariophyta*).

: *Bacillariophyta*, *Discostella*,

*Cyclotella* sensu lato

*Discostella*

Houk et Klee (Houk, Klee, 2004),  
*Cyclotella puncticulata*

*Cyclotella* Kütz. (*Bacillariophyta*)

40

(Krammer, Lange-Bertalot,

1991; , 1992).

[*C. pseudocomensis* Scheffler

(Scheffler, 1994); *C. arctica* Genkal et Kharitonov ( , , 1996); *C. polymorpha* Meyer et Hakansson (Meyer, Hakansson, 1996); *C. mascarenica* Klee, Houk et Bielsa (Klee et al., 2000); *C. elentarii* Alfinito et Tagliaventi (Alfinito, Tagliaventi, 2002); *C. hispanica* Kiss, Hegewald et Acs (Kiss et al., 2002); *C. strelnikovae* Genkal et Yarushina ( , , 2004; .] [*Puncticulata* Håkansson (Håkansson, 2002); *Discostella* Houk et Klee (Houk, Klee, 2004) . *Cyclotella stelligera* Cleve et Grun., *C. glomerata* Bachmann, *C. pseudostelligera* Hust., *C. mascarenica* Klee, Houk et Bielsa, *C. elentarii* Alfinito et Tagliaventi *Discostella* Houk et Klee (Houk, Klee, 2004), *Cyclotella comta* (Ehr.) Kütz., *C. radiosa* (Grun.) Lemmermann, *C. bodanica* Grun.

*Puncticulata* (Håkansson, 2002).

*Discostella*.

( )

1970 .

2000 .

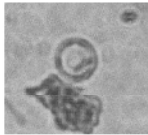
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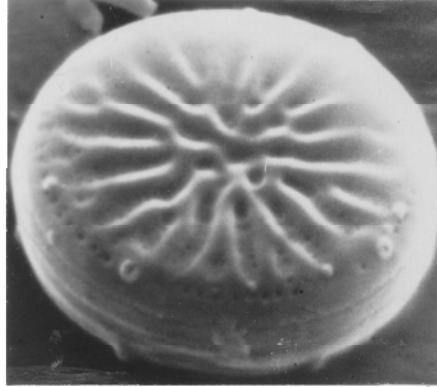
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*Algologia*. 2008. V. 18. N 1

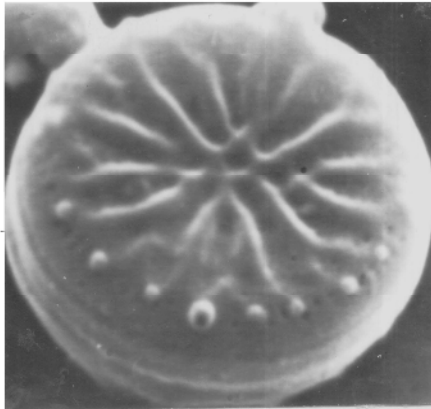
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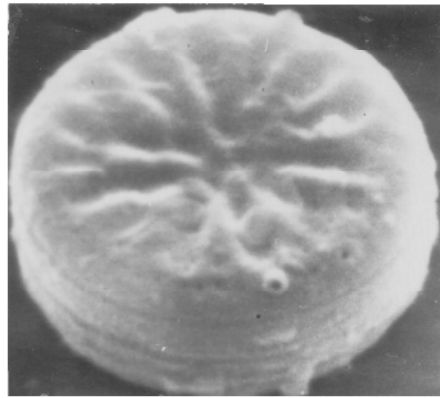
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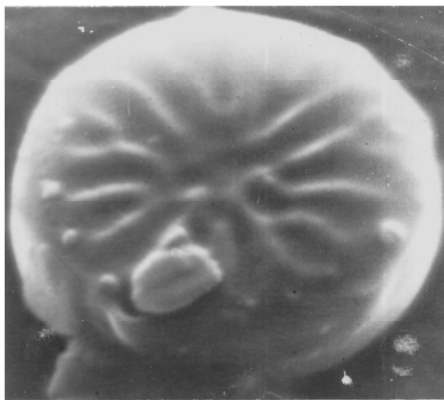
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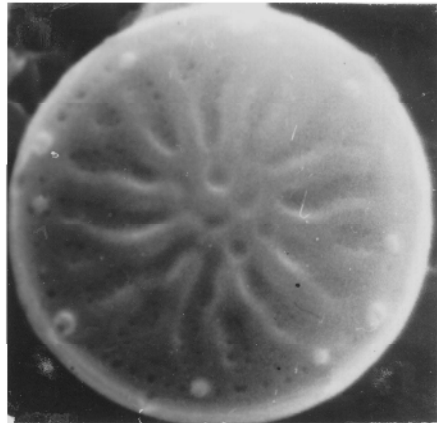
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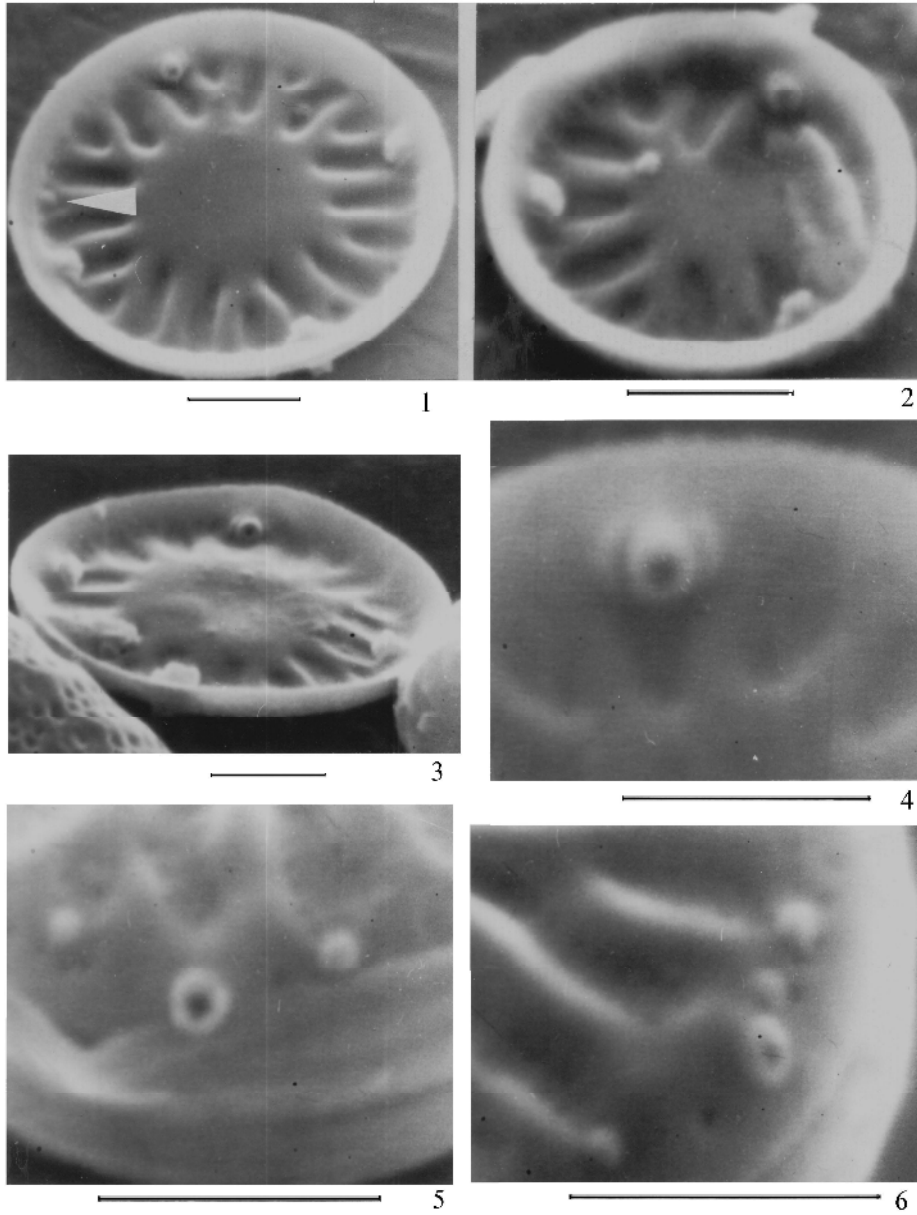


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6

. I. *Discostella guslyakovyi* Genkal, Bondarenko et Popovskaya: 1 - ; 2-6 -  
 I - 10 ; 2-6 - 1 .



. II. *Discostella guslyakovyi* Genkal, Bondarenko et Popovskaya: 1-3 -

( )

; 4 -

; 5, 6 -

, . 1-6-1 .

(Genkal, 1999).  
 (..., 1983).  
 (..., 1975).  
 JSM-25 S.

*Discostella*,

*Discostella guslyakovyi* Genkal, Bondarenko et Popovskaya sp. nov. (I, II).

Frustula humiliter cylindrical. Valvae rotundae planae, 2.8-5.7  $\mu\text{m}$  in diam.  
 Costae subflexuosae, interdum abbreviatae valve prominentes, 20-30 pro 10  $\mu\text{m}$ . Zona  
 marginalis ex costis radialiter dispositis composite. Fultoportula marginales (3-5) inter  
 duas costus prope marginem valvae collocatae, interne duobus poris satellites lateraliter  
 dispositis, externe vel tubis brevibus munitae. Rimoportula singularis, inter duas costus.  
 Valvae unaguaequa copula ulna hyaline instructa.

Typus. Rossia. Lacus Nichatka (Zabaikalie), 08.2000. S.I. Genkal, in Instituto  
 Biologiae Aquarum Internarum Acad. Sci. Rossicae (region Jaeoslavlensis, pag. Borok)  
 conservatur. Diapositivum typicum, C-8.

, 2,8-5,7  
 , 20-30 10 . (3-5)  
 -8.

Genkal et Kuzmina (..., 1985; Scheffler, Padisak, 2000). *Discostella*  
*glomerata*  
 (Haworth, Hurley, 1986; Kling,  
 Hakansson, 1988; Klee, Houk, 2007).

*Discostella guslyakovensis*.*Cyclotella*,*C. glomerata* (= *Discostella glomerata*)

(Genkal et al., 2004;

. II, 9, 10).

*C. glomerata* (Klee, Houk, 2007),(*Discostella pseudostelligera* – *D. guslyakovyi*)

(Genkal et al., 2004;

*D. guslyakovyi* 5,1 6,8, *D. cf. pseudostelligera* – 4,08,6 *Cyclotella ocellata* Pant.

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*Centrophyceae*,*C. glomerata* (= *D. glomerata*) (Genkal et al., 2004).*D. glomerata*(*Discostella guslyakovyi*, Genkal et al., 2001).S.I. Genkal<sup>1</sup>, N.A. Bondarenko<sup>2</sup>, G.I. Popovskaya<sup>2</sup><sup>1</sup>I.D. Papanin Institute of Biology of Inland Waters, Russian Academy of Sciences,  
152742 Settl. Boroc, Nekouzsky District, Yaroslavl Region, Russia<sup>2</sup>Limnological Institute of Russian Academy of Sciences,  
664003 Irkutsk, RussiaABOUT A NEW REPRESENTATIVE OF THE GENUS *DISCOSTELLA* HOUK ET KLEE  
(*BACILLARIOPHYTA*) FROM THE TRANSBAIKAL AREA (RUSSIA)Based on the results of a study of phytoplankton from Lake Nichatka (the Transbaikal area), a new  
for the science small-celled species from the genus *Discostella* Houk et Klee (*Bacillariophyta*) is described.*Key words*: *Bacillariophyta*, *Discostella*, phytoplankton, Lake Nichatka, the Transbaikal area,  
new species.*Salvelinus alpinus* (*Salmonidae*) // . . . – 1999. – **39**, 1. – . 48-56.

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. . . , 1975. – С. 87-89.

(*Centrophyceae*, *Bacillariophyta*)

// . . . – 2001. – 1. – . 3-10.

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 ( - )// . – 1996. – **81**, 10. – . 69-74.
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 9. – . 1497-1501.
- .., .. / . . . -  
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- .., .., .. *Cyclotella* Kütz.  
 ( ). – : , 1992. – . II,  
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