

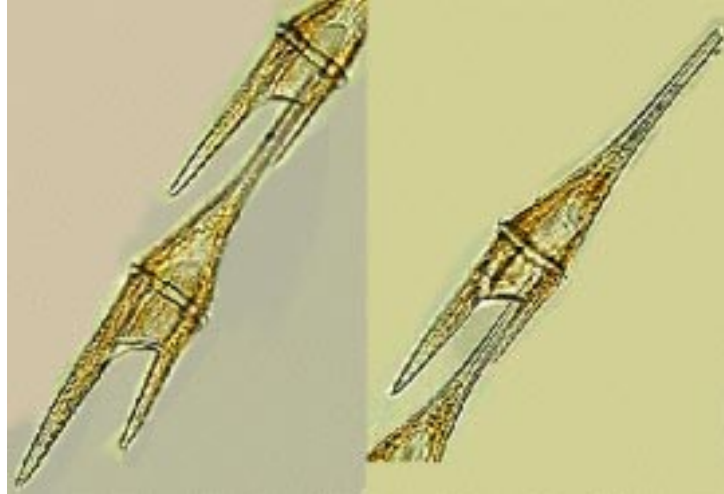


SUPPLEMENTAL
COLOR GUIDE TO IDENTIFYING THE
DINOFLAGELLATES

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Department of Marine Botany, Göteborg University, Sweden
<http://www.marbot.gu.se/SSS/SSSHome.html>

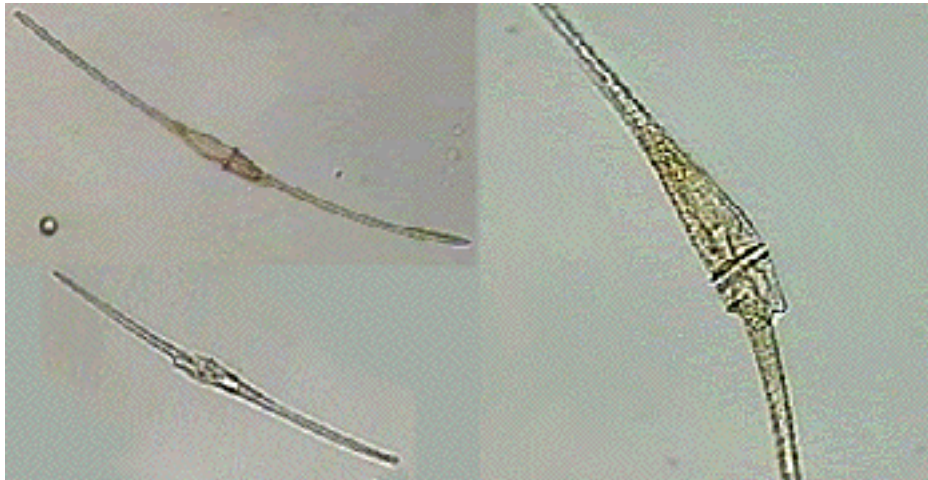
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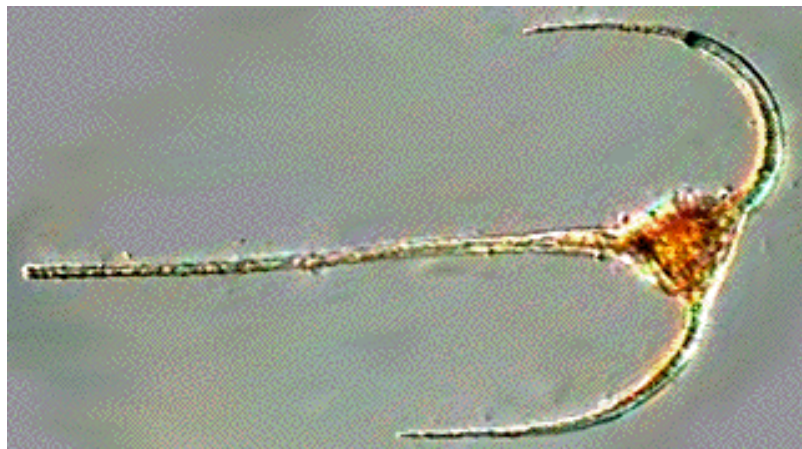
Ceratium furca

Size: Length 70-200 μm , width 30-50 μm



Ceratium fusus

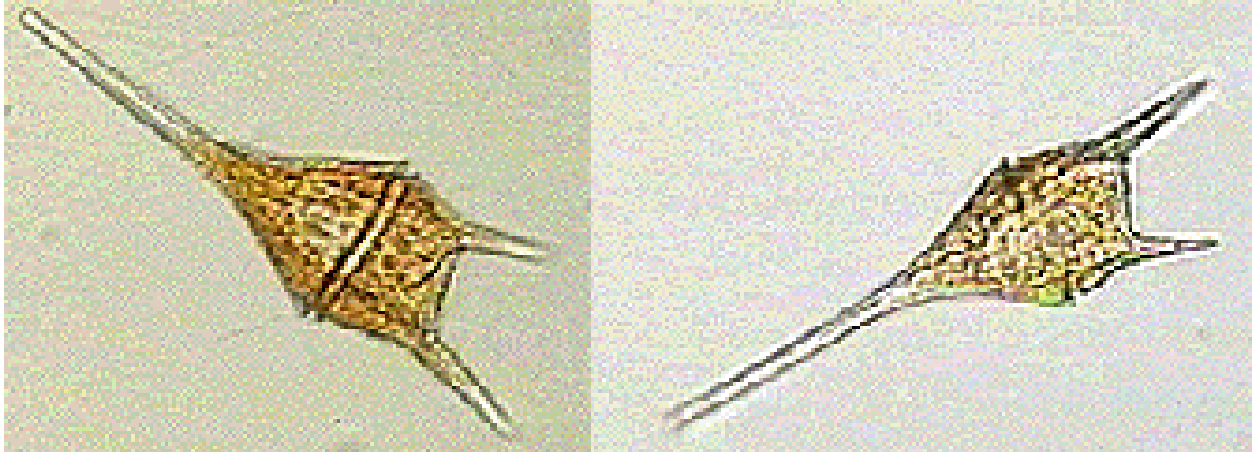
Size: Length 200-540 μm , width 5-30 μm .



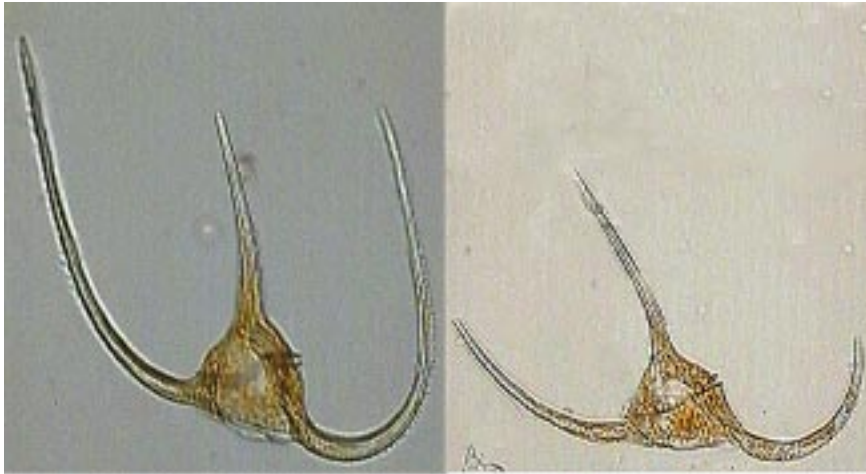
Ceratium horridum

Synonym(s): *C. tripos* var. *horridum* Cleve 1897 , *C. tenue* (Ostenfeld et Schmidt) Jørgensen 1911

Size: Length 280-360 μm , width 40-50 μm .



Ceratium lineatum
Size: Length 100-130 μm , width 25-45 μm .



Ceratium longipes
Size: Length 150 - 250 micrometer, width 40 - 60 micrometer.

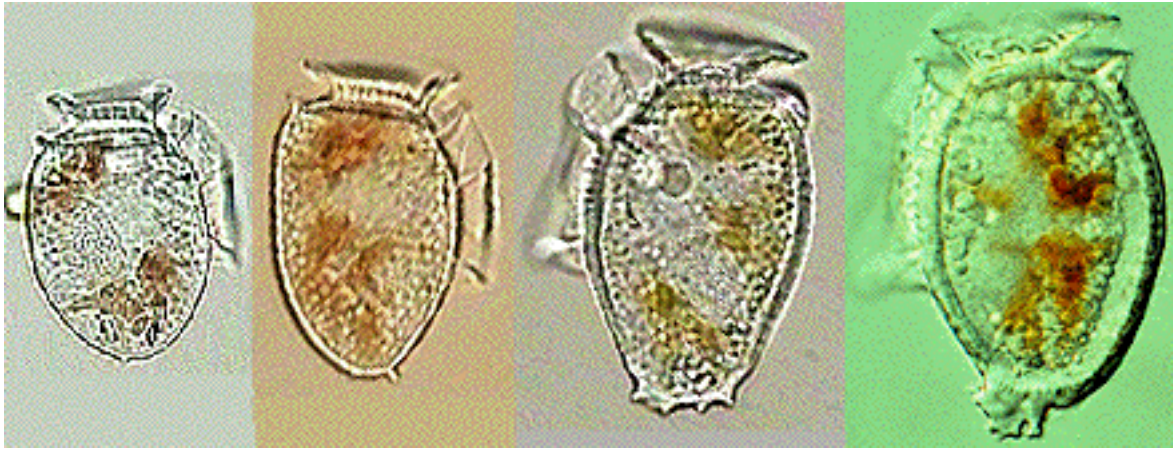


Ceratium macroceros
Size: Length 300-400 micrometer, width 45 micrometer.



Ceratium tripos

Size: Length 195-360 micrometer, width 65-90 micrometer.



Dinophysis acuminata

Size: Length 38-58 μm , width 30-38 μm



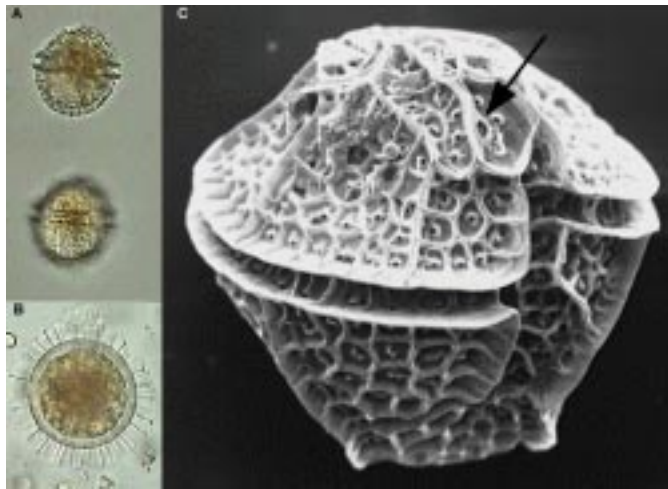
Dinophysis acuta

Size: Length 54-94 micrometer, width 43-60 micrometer.



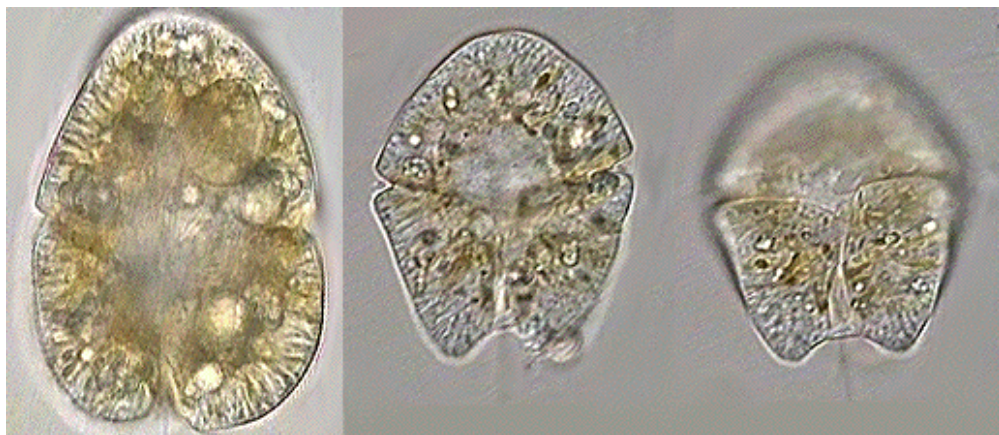
Dinophysis tripos

Size: Length 100 micrometer, width 50 micrometer.



Gonyaulax grindleyi

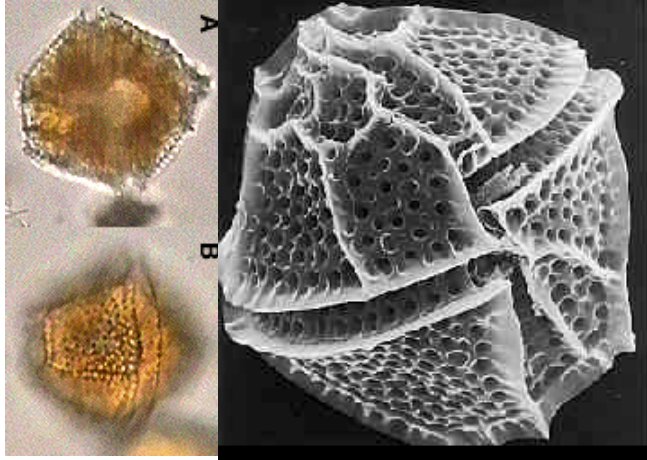
Size: Length 28-43 μm , width 25-35 μm



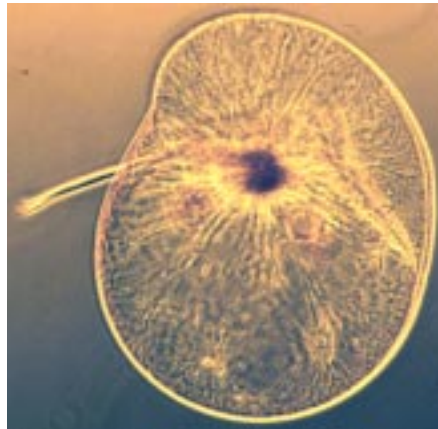
Gymnodinium sanguineum

Synonym(s): *Gymnodinium splendens* Lebour 1925, *Gymnodinium nelsonii* Martin 1929

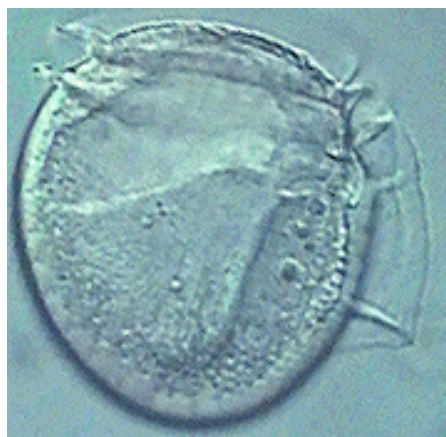
Size: length 40-80 micrometer.



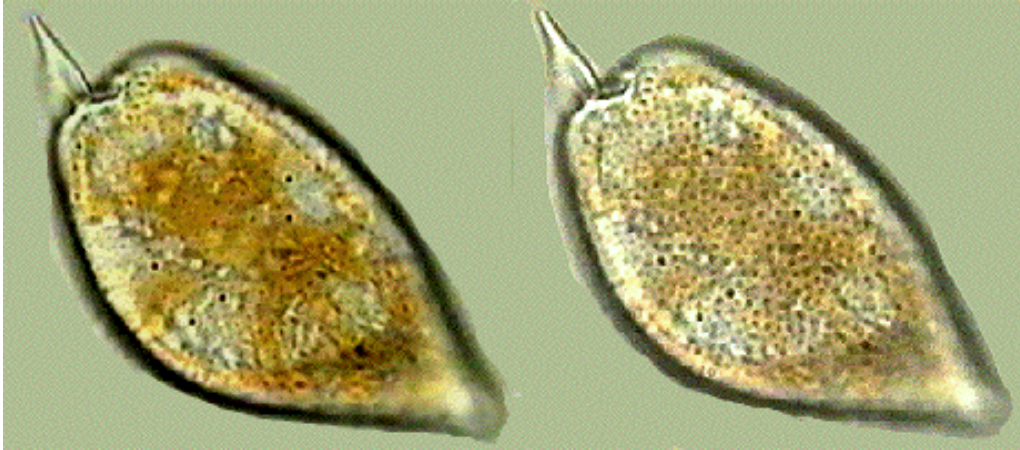
Lingulodinium polyedrum
 Synonym(s): *Gonyaulax polyedra* Stein 1883
 Size: Length and width 42-54 μm .



Noctiluca scintillans
 Size: 200-2000 micrometer.
 Note: With food vacuoles often containing diatoms. Forms blooms



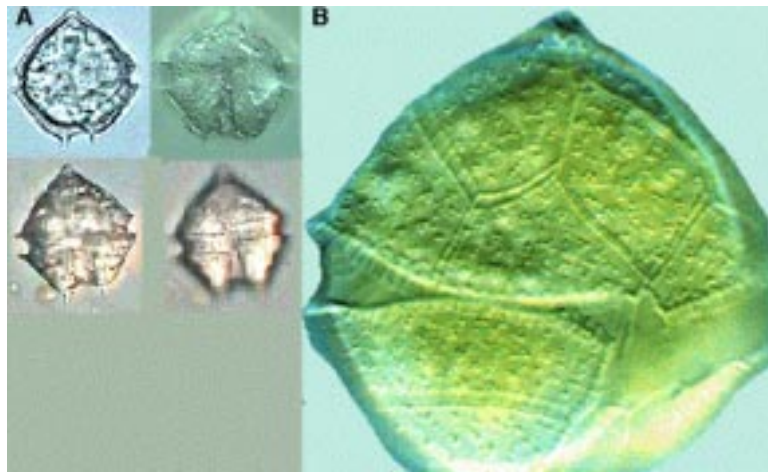
Phalacroma rotundatum
 Synonym(s): *Dinophysis rotundata* Claparède et Lachmann 1859
 Size: Length 36-56 micrometer, width 40-45 micrometer.



Prorocentrum micans

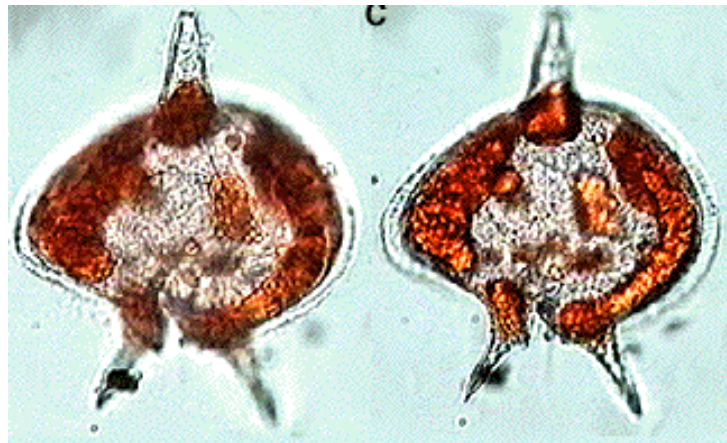
Size: Length 35-70 μm , width 20-50 μm

Distinctive features: Prominent anterior spine, V-shaped large nucleus



Protoperdinium brevipes

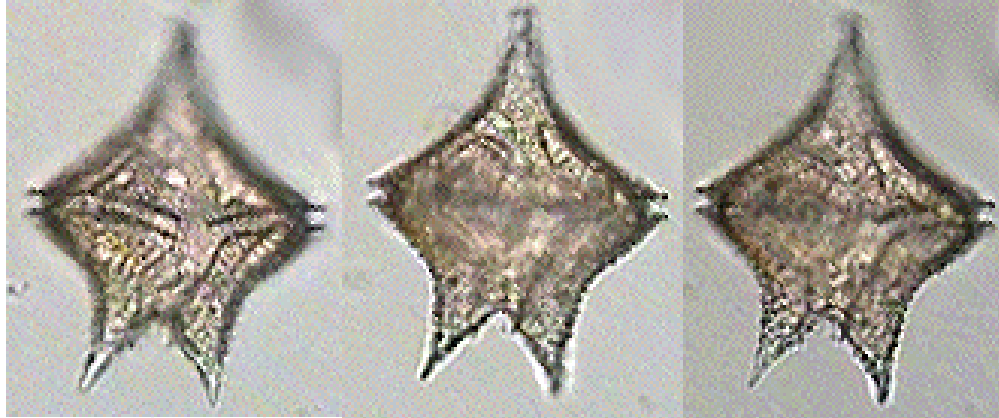
Size: Length 18-38 μm , width 28-34 μm



Protoperdinium depressum

Synonym(s): *Peridinium depressum* Bailey 1855

Size: Length 116-200 μm , width 110-150 μm .

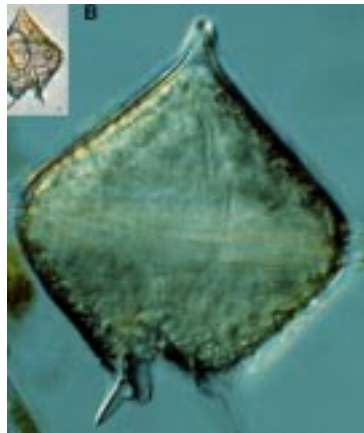


Protoperidinium divergens

Synonym(s): *Peridinium divergens* Ehrenberg 1840

Size: Length 75-85 μm , width 56-65 μm

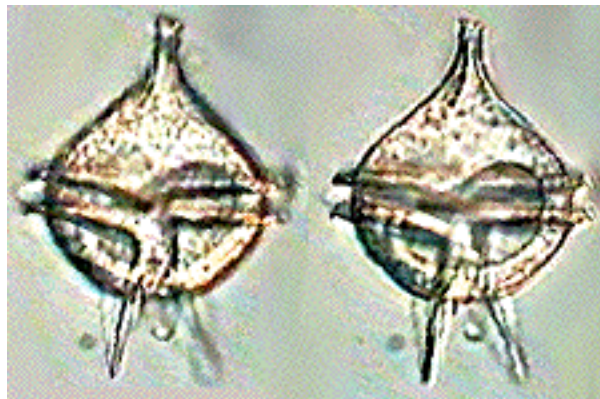
Distinctive features: 1'-plate is meta. Theca strongly reticulated with spines. Size



Protoperidinium pallidum

Synonym(s): *Peridinium pallidum* Ostenfeld 1899

Size: Length 70-100 μm , width 65-85 μm .



Protoperidinium steinii

Synonym(s): *Peridinium steinii* Jørgensen 1889

Size: Length 39-60 μm , width 22-44 μm



Scrippsiella trochoidea
Synonym(s): *Glenodinium trochoideum* Stein 1883

REFERENCES:

All dinoflagellate photographs from:

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Hasle, G. R. & Syvertsen, E. E. 1996. Marine diatoms. In: Tomas, C. R. (ed.) Identifying marine diatoms and dinoflagellates. Academic Press, Inc., San Diego, p. 5-385.

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