

215. Nitzschia sinuata (sect. Grunowia) x 3,000
Valve, valve view; note shape of valve, extent of fibulae.
216. Nitzschia sinuata (sect. Grunowia) x 4,350
Valve, girdle view - part; note shape of fibula in section, submarginal thickening of valve at pole.
217. Nitzschia sinuata (sect. Grunowia) x 6,100
Valve + 1st band, girdle view - part; note that 1st band bears one transverse row of poroids.
218. Nitzschia sinuata (sect. Grunowia) x 4,350
Valve, valve view - part; note portulae (po).
219. Nitzschia sinuata (sect. Grunowia) x 4,350
Central part of valve, slightly oblique view; note more regular spacing of poroids within the interspaces.
220. Nitzschia sinuata (sect. Grunowia) x 3,000
Valve, oblique view.
221. Nitzschia sinuata (sect. Grunowia) x 2,750
Cell, valve view; note lobing of chromatophore margins.
222. Nitzschia sinuata (sect. Grunowia) x 2,750
Cell, girdle view; note relationship of indentations in chromatophore margins to fibulae (right), Bütschli globules (arrow).
223. Nitzschia sinuata (sect. Grunowia) x 3,400
Nucleus, valve view - stained with aceto-carmin; note lack of staining (contrast F.105-7).
224. Nitzschia sinuata (sect. Grunowia) x 2,750
Half of cell, girdle view; note lobing of chromatophore onto other side of girdle.

225. Nitzschia denticula (sect. Grunowia) x 3,400
Valve, valve view; note obviousness of poroids,
fibulae extended across most of valve face.
226. Nitzschia denticula (sect. Grunowia) x 3,400
Valve, valve view; note portulae.
227. Nitzschia denticula (sect. Grunowia) x 3,400
Valve, girdle view; note shape of fibula in
section - compare F.216-7 - , submarginal thick-
ening of valve at pole.
228. Nitzschia denticula (sect. Grunowia) x 4,350
Valve, slightly oblique view - detail showing
subraphe structure; note portulae (po) and fibulae,
the latter with median expansions (arrow) -
compare Denticula elegans (F.1031-2).
229. Nitzschia denticula (sect. Grunowia) x 3,400
1st band; note differences between proximal (left)
and distal (right) halves, open nature of band.
230. Idem. x 3,400
231. Nitzschia solgensis (sect. Grunowia) x 3,400
Valve, valve view; note valve shape, extent of
fibulae.
232. Nitzschia solgensis (sect. Grunowia) x 4,350
Valve, valve view; note ± regular arrangement of
poroids.
233. Nitzschia solgensis (sect. Grunowia) x 4,350
Valve, valve view; note interruption of striae
near the distal fibula bases.

551. Nitzschia curta (sect. Fragilariopsis) x 60,000
Valve poroids.
552. Nitzschia epithemioides (sect. Epithemioidae)
x 60,000
Valve poroids; note cribra.
553. Nitzschia sinuata (sect. Grunowia) x 60,000
Valve poroids; note cribrum-like structures.
554. Nitzschia sinuata (sect. Grunowia) x 60,000
1st band poroids; compare with F.553.
555. Nitzschia amphibia (sect. Lanceolatae) x 60,000
Valve poroids; note cribrum-like structures.
556. Nitzschia solgensis (sect. Grunowia) x 60,000
Valve poroids.

781. Nitzschia sinuata (sect. Grunowia) x 3,100
Frustule.
782. Nitzschia sinuata (sect. Grunowia) x 6,400
Valve - part, outside; note marginal ridge
(arrow).
783. Nitzschia sinuata (sect. Grunowia) x 15,500
Valve, outside - centre; note continuity of raphe
fissure, warts on margin of valve (top left).
784. Nitzschia sinuata (sect. Grunowia) x 12,800
Detail of specimen illustrated in F.782.
785. Nitzschia sinuata (sect. Grunowia) x 12,600
Valve pole - outside; note distally directed
curvature of terminal fissure. The row of poroids
immediately adjacent to the raphe-sternum, on
either side of it, is within the subraphe canal;
cribra can just be made out in the poroids near
the terminal fissure.
786. Nitzschia sinuata (sect. Grunowia) x 12,000
Other pole of valve illustrated in F.785; again,
note distally directed curvature of terminal
fissure.

787. Nitzschia sinuata (sect. Grunowia) x 12,000
Valve pole - outside; note proximally directed curvature of terminal fissure.
788. Nitzschia sinuata (sect. Grunowia) x 12,800
Other pole of valve illustrated in F.787.
789. Nitzschia sinuata (sect. Grunowia) x 2,930
Valve - inside.
790. Nitzschia sinuata (sect. Grunowia) x 7,650
Theca - part; 4 bands visible. Note band morphologies, distribution of warts, elongated poroids of 4th band.
791. Nitzschia sinuata (sect. Grunowia) x 14,000
Valve, inside - part, showing subraphe structure; note portulae (left-hand arrow), and the thick bars (right-hand arrow) forming the inner edges of the fibulae.
792. Nitzschia sinuata (sect. Grunowia) x 14,500
Valve pole - inside; note thickened valve margin, poroids within the subraphe canal, helictoglossa (arrow).

793. Nitzschia sinuata (sect. Grunowia) x 6,500
Valve + 1st band - part; note correspondence
between positions of pleats on pars interior of
1st band, and positions of fibulae.
794. Nitzschia sinuata (sect. Grunowia) x 13,000
Open end of 1st band - proximal (left) and distal
(right) arms; note warts on pars exterior, row of
poroids at junction of pars exterior and pars
interior.
795. Nitzschia sinuata (sect. Grunowia) x 2,700
1st band.
796. Nitzschia sinuata (sect. Grunowia) x 12,300
Incompletely silicified valve - inside, part;
note rudimentary fibulae.
797. Nitzschia sinuata (sect. Grunowia) x 12,700
Incompletely silicified valve - inside, part;
later stage than that illustrated in 796.
798. Nitzschia solgensis (sect. Grunowia) x 14,800
Broken valve - inside.
799. Nitzschia solgensis (sect. Grunowia) x 23,500
Fracture section; note longitudinal ridge
(arrow), poroids within the subraphe canal, port-
ulae, interruption of striae near distal fibula
bases.

800. Nitzschia solgensis (sect. Grunowia) x 12,300
Valve - outside.
801. Nitzschia solgensis (sect. Grunowia) x 24,300
Valve - 'end-on' view; note curvature of terminal fissure, absence of marginal ridge.
802. Nitzschia solgensis (sect. Grunowia) x 15,000
Valve - inside; note helictoglossa (arrow), interruption of striae near distal fibula bases.
803. Nitzschia solgensis (sect. Grunowia) x 6,200
Valve - inside: form with abnormally extended fibulae (contrast F.802).
804. Nitzschia epithemioides (sect. Epithemioideae)
x 2,650
Valve - inside.
805. Nitzschia epithemioides (sect. Epithemioideae)
x 23,300
Valve, inside - part; note cribra in poroids.