

338. Nitzschia longissima (sect. Nitzschiella)
x 3,400
Valve, valve view - half (joined at 'a' and 'b');
note eccentricity of raphe system, difference in
subraphe structure between valve 'body' and
rostrum. Helictoglossa visible at pole.
339. Nitzschia longissima (sect. Nitzschiella)
x 4,350
Centre of valve, valve view; note striae, central
raphe endings, longitudinal ridge (lr) joining the
distal fibula bases.
340. Nitzschia ventricosa (sect. Nitzschiella)
x 2,100
Valve, valve view - half (joined at 'a'); note
fibulae extended across valve.
341. Nitzschia ventricosa (sect. Nitzschiella)
x 4,350
Valve, valve view - rostrum; note portulae:
compare with F.342.
342. Nitzschia ventricosa (sect. Nitzschiella)
x 4,350
Valve, valve view - centre; note central raphe
system, raphe endings, striae, subraphe structure
with 'blocked interspaces' (arrows).
343. Nitzschia acicularis (sect. Nitzschiella)
x 3,000
Valve, valve view; note eccentricity of raphe,
lack of a 'central nodule', tiny fibulae, short
rostra (relative to those of N. longissima or
N. ventricosa).

344. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 2,100
Valve, valve view - central part; note slight eccentricity of raphe system, long fibulae, round/oval portulae (becoming more densely spaced near the rostra).
345. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 4,350
Valve, valve view - centre; note striae, central raphe endings, larger central portula (interspace).
346. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 4,350
Valve, girdle view - central part of raphe system; note 'double helictoglossa', central expansion of raphe-sternum, thinness of fibulae.
347. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 4,350
Valve, girdle view - part of rostrum.
348. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 4,350
Valve, valve view - pole; note helictoglossa.
349. Nitzschia epithemioides (sect. Epithemioideae)
x 3,000
Valve, * in valve view; note central constriction of valve, 'central nodule', fibula morphology.
350. Nitzschia epithemioides (sect. Epithemioideae)
(no scale)
Cell, valve view; note size of chromatophores.
351. Idem. (no scale)

955. Nitzschia longissima (sect. Nitzschiella)
x 8,100
Frustule - centre.
956. Nitzschia longissima (sect. Nitzschiella)
x 14,700
Valve, inside - centre; note 'double helictoglossa, poroids within subraphe canal, ridges joining fibula bases.
957. Nitzschia longissima (sect. Nitzschiella)
x 7,400
Valve, inside - centre.
958. Nitzschia ventricosa (sect. Nitzschiella)
x 11,000
Valve, outside - centre.
959. Nitzschia ventricosa (sect. Nitzschiella)
x 14,300
Rostrum, inside - part; note blocked 'interspaces' (arrows).
960. Nitzschia ventricosa (sect. Nitzschiella)
x 14,000
Valve pole - outside.

961. Nitzschia ventricosa (sect. Nitzschiella)
x 3,050
Valve, outside - part; the costate extensions of
the fibulae can be seen through the valve.
962. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 7,750
Valve, inside - centre.
963. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 7,800
Valve, inside - part; note fibula morphology.
964. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 16,000
Valve, inside - centre; note beak-like 'double
helictoglossa', central expansion of raphe-sternum.
965. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 15,400
Valve, outside - centre.
966. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 14,900
Broken valve; note poroids in walls of subraphe
canal.

967. Nitzschia acicularis (sect. Nitzschiella)
x 11,000
Valve, inside - part.
968. Nitzschia pseudodelicatissima (sect. Pseudonitzschia)
x 29,500
Valve, inside - centre; note bars across poroids,
central raphe endings.
969. Nitzschia sp. (sect. Pseudonitzschia) x 3,100
Part of colony, showing overlapping of ends of
cells.
970. Nitzschia ?lineola (sect. Pseudonitzschia)
x 29,500
Valve, inside - part; note relationship of
fibulae to costae.
971. Nitzschia pseudodelicatissima (sect. Pseudonitzschia)
(TEM) x 19,500
Valve pole.
972. Nitzschia pseudodelicatissima (sect. Pseudonitzschia)
(TEM) x 19,500
Valve - centre.
973. Nitzschia lineola (sect. Pseudonitzschia)
(TEM) x 19,500
Valve - centre.