

184. Nitzschia bilobata (sect. Dubiae) x 3,000  
Valve, girdle view; note 'constricted' centre,  
branched central stria.
185. Nitzschia bilobata (sect. Dubiae) x 3,000  
Frustule, girdle view - pole; note underlapping  
of bands (of which there are at least 5 per  
cingulum).
186. Nitzschia bilobata (sect. Dubiae) x 3,000  
Valve, girdle view - pole; note flanges (fl)  
extending out from the raphe-sternum, the fibula  
morphology (note the differentiation of the fibula  
nearest the pole), the relationship between fibulae  
and costae, the helictoglossa.
187. Nitzschia bilobata (sect. Dubiae) x 3,000  
Theca, girdle view - centre; note central raphe  
endings, bands with one transverse row of poroids  
each.
188. Nitzschia bilobata (sect. Dubiae) x 3,000  
Centre of valve, girdle view - proximal (left)  
and distal (right) aspects; note wide marginal  
strips.
189. Nitzschia bilobata (sect. Dubiae) x 3,000  
Valve pole, valve view; note differentiation of  
fibula nearest the pole, and its relation to the  
margins.

190. Nitzschia dubia (sect. Dubiae) x 2,100  
Valve, valve-girdle view; note eccentricity of raphe.
191. Nitzschia dubia (sect. Dubiae) x 4,350  
Valve, valve view - centre; note poroids, central raphe endings, presence of a fibula immediately below the endings, form of the fibulae.
192. Nitzschia dubia (sect. Dubiae) x 4,350  
Valve, valve view - part; note poroids, fibula morphology.
193. Nitzschia dubia (sect. Dubiae) x 3,000  
Frustule, girdle view - part, to show relative widths of valve and cincture.
194. Nitzschia sp. (Severn) (sect. Dubiae) x 3,400  
Valve, valve-girdle view; note eccentricity of raphe, fibula morphology and spacing, irregular spacing of poroids in distal half of valve face.

195. Nitzschia vulpeculoides (sect. Dubiae) x 1,400  
Valve, valve view.
196. Nitzschia vulpeculoides (sect. Dubiae) x 3,400  
Valve pole.
197. Nitzschia vulpeculoides (sect. Dubiae) x 3,400  
Valve, valve view - part; note poroids in quincunx,  
fibula morphology.
198. Nitzschia vulpeculoides (sect. Dubiae) x 3,400  
Centre of valve, valve view; note wide separation  
of median fibulae (contrast F.188, 190, 194) and  
'central nodule'.
199. Nitzschia vulpeculoides (sect. Dubiae) x 4,350  
Valve pole; note helictoglossa.
200. Nitzschia vulpeculoides (sect. Dubiae) x 3,400  
Centre of valve, oblique view; note central raphe  
endings, longitudinal ridge (lr) joining proximal  
fibula bases.
201. Nitzschia vulpeculoides (sect. Dubiae) x 4,350  
Centre of valve, oblique view; note arrangement  
of poroids, 'double helictoglossa'.
202. Nitzschia pseudohybrida (sect. Dubiae) x 3,400  
Frustule, girdle view; note small size of diatom,  
wide separation of central fibulae, presence of  
a 'central nodule', fibula morphology.

203. Nitzschia subamphioxoides (sect. Dubiae)  
(Sea Mills material) x 3,400  
Valve, \* in valve view.
204. Nitzschia subamphioxoides (sect. Dubiae)  
(Carreg Cennen material) x 3,400  
Valve, \* in valve view.
205. Nitzschia subamphioxoides (sect. Dubiae)  
(Carreg Cennen material) x 3,400  
Frustule, girdle view; note 'central nodules',  
slightly wider separation of median fibulae,  
bands with one transverse row of poroids each.
206. Nitzschia subamphioxoides (sect. Dubiae)  
x 4,350  
Valve, valve view - part; note poroids, fibula  
morphology, relationship of fibulae to costae.
207. Nitzschia stagnorum (sect. Dubiae) x 3,400  
Valve, valve view; note eccentricity of raphe,  
fibula morphology, valve shape.
208. Nitzschia stagnorum (sect. Dubiae) x 4,350  
Centre of valve, valve view; note 'central  
nodule', wider separation of median fibulae,  
longitudinal ridge (lr) joining the distal fibula  
bases, inexact relationship between fibulae and  
costae.
209. Nitzschia stagnorum (sect. Dubiae) x 4,350  
Valve pole, valve view; helictoglossa visible.

533. Nitzschia sp. (sect. Panduriformes) x 60,000  
(Scilly material)  
Valve poroids; transapical axis 'vertical' in  
illustration.
534. Nitzschia mollis var. africana (sect. Panduriformes)  
x 60,000  
Valve poroids; transapical axis as in F.533.
535. Nitzschia debilis (sect. Tryblionella) x 60,000  
Valve poroids.
536. Nitzschia hungarica (sect. Tryblionella)  
x 60,000  
Valve poroids; note the three volae projecting  
into the lumen of each poroid.
537. Nitzschia dubia (sect. Dubiae) x 60,000  
Valve poroids.
538. Nitzschia subamphioxoides (sect. Dubiae)  
x 60,000  
Valve poroids.

756. Nitzschia subamphioxoides (sect. Dubiae) x 1,610

Valve.

757. Nitzschia subamphioxoides (sect. Dubiae) x 8,300

Valve, inside - centre; note fibula morphology, 'stump' (arrow) on proximal side below central raphe endings.

758. Nitzschia subamphioxoides (sect. Dubiae) x 24,500

Valve, outside - centre.

759. Nitzschia subamphioxoides (sect. Dubiae) x 15,200

Valve pole; note end of terminal fissure.

760. Nitzschia subamphioxoides (sect. Dubiae) x 14,000

Valve, inside - centre; note 'stumps', central raphe endings, longitudinal ridges joining the fibula bases.

761. Nitzschia subamphioxoides (sect. Dubiae) x 13,000

Valve pole - inside.

762. Nitzschia dubia (sect. Dubiae) x 14,800  
Valve pole - inside.
763. Nitzschia dubia (sect. Dubiae) x 7,200  
Valve inside - part.
764. Nitzschia vulpeculoides (sect. Dubiae) x 15,200  
Valve inside - centre; note raphe endings,  
fibula morphology.
765. Nitzschia vulpeculoides (sect. Dubiae) x 15,200  
Valve pole - outside; note abrupt bend in outer  
raphe fissure.
766. Nitzschia vulpeculoides (sect. Dubiae) x 14,100  
Valve, outside - centre; compare with internal  
aspect (F.764).
767. Nitzschia vulpeculoides (sect. Dubiae) x 13,400  
Valve fractured along raphe - pole; note long-  
itudinal ridge (arrow) joining the fibula bases.

768. Nitzschia vulpeculoides (sect. Dubiae) x 15,500  
Valve pole - inside.
769. Nitzschia sp. (sect. Dubiae) x 2,700  
(Hawaiian material)  
Valve.
770. Nitzschia sp. (sect. Dubiae) x 28,000  
(Hawaiian material)  
Valve, inside - centre; note raphe endings  
( 'double helictoglossa' ), formation of portulae  
at 2 levels.
771. Nitzschia sp. (sect. Dubiae) x 27,000  
(Hawaiian material)  
Valve pole; note end of terminal fissure.
772. Nitzschia sp. (sect. Dubiae) x 26,500  
(Hawaiian material)  
As F.770, different angle.
773. Nitzschia sp. (sect. Dubiae) x 14,000  
(Hawaiian material)  
Valve pole - inside; note helictoglossa.