

## Family BACILLARIACEAE

*Bacillaria* Gmelin

- B. paxillifer* (O. Müll.) Hendeby (*B. paradoxa* Gmelin)—“Widely distributed”, CW2; Goat Island Bay, Leigh, T; Hauraki Gulf, C1; Wellington Harbour, C1, C2.

*Cylindrotheca* Rabenh.

- \**C. closterium* (Ehrenb.) Reimann & Lewin (*Nitzschia closterium* (Ehrenb.) W. Sm.)<sup>37</sup>—Widely distributed. 15 records.

*Hantzschia* Grun.<sup>38</sup>

- †*H. amphioxys* (Ehrenb.) Grun. (*Eunotia amphioxys* Ehrenb.)—New Zealand, Ehrenberg (1869); Agar, M.  
*H. virgata* (Roper) Grun.—Portobello, W2.

*Nitzschia* Hass.

- N. acuminata* (W. Sm.) Grun.—Evansdale, W2.  
*N. australis* (Perag.) Mann—Wellington Harbour, W1.  
*N. circumscuta* (Bail.) Grun.—Bruce’s Rocks, Dunedin, W2.  
*N. compressa* (Bail.) Boyer—Portobello, W2.  
\**N. fraudulenta* Cleve—Wellington Harbour, Hasle (1965).  
*N. granulata* Grun.—Waitati, W2.  
\**N. longissima* (de Bréb. ex Kütz.) Ralfs in Pritch.—Goat Island Bay, Leigh, T; Cook Strait, C2; Otago Peninsula, C2.  
*N. panduriformis* Greg. var. *panduriformis*—Lyll Bay, P; Bruce’s Rocks, Dunedin, W2; Foveaux Strait, P.  
*N. panduriformis* Greg. var. *lata* (Witt.) Grun. (*N. lata* Witt.)—Lyll Bay, P.  
*N. polaris* Grun.—Wellington Harbour, W1.  
*N. pseudoseriata* Hasle—Goat Island Bay, Leigh, T; Jellicoe Channel, C3, T; Wellington Harbour, Hasle (1965).  
*N. pungens* Grun. (incl. var. *atlantica* Cleve)—Jellicoe Channel, T; Hawke Bay, C2; Wellington Harbour, Hasle (1965); W. of Hawera, C2; Cook Strait, C2; Marlborough Sounds, C2.  
†*N. sigma* (Kütz.) W. Sm. var. *sigma*—Lyll Bay, P (apparently from the synonymy listed; the name recognised by Petit is omitted from the text); Anderson’s Bay, Dunedin, W2.  
*N. sigma* (Kütz.) W. Sm. var. *rigida* Grun. ex van Heurck—Wellington, W1.  
\**N. seriata* auct.<sup>39</sup>—Widely distributed. 22 records.  
*N. subacuta* Hust.—Wellington Harbour, W1.  
†*N. tryblionella* Hantz. ex Rabenh. var. *tryblionella*—Anderson’s Bay, Dunedin, W2.  
*N. tryblionella* Hantz. ex Rabenh. var. *yarrensensis* Grun.—Waitati, W2.

## Sub-order SURIRELLINEAE

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*Campylodiscus* Ehrenb.

- †*C. echeneis* Ehrenb.—Evansdale, W2; Milford (Temuka), W2; Anderson’s Bay, Dunedin, W2; Otago, W1.  
*C. fastuosus* Ehrenb. (*C. simulans* Greg.)—Lyll Bay, P.  
*C. impressus* Grun. ex A. Schmidt—Portobello, W2.  
*C. incertus* A. Schmidt (*C. samoensis* Grun.)—Auckland Harbour, CW2; Lyll Bay, P; Dunedin area (locality omitted), W2; Foveaux Strait, P.  
*C. ralfsii* W. Sm.—Lyll Bay, P; Portobello, W2.  
*C. taeniatus* A. Schmidt—Bruce’s Rocks, Dunedin, W2.  
*C. undulatus* Grev.—Goat Island Bay, Leigh, T.