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COMPREHENSIVE LIST BY HABITAT OF THE ALGAE OF UTAH, USA

Samuel R. Rushforth¹ and Gwen Shirley Merkley¹

ABSTRACT.—A list of the algal species that have been reported from the state of Utah is presented. Also listed are the habitats from which these algae were collected. A total of nearly 1,900 taxa have been identified to the species level or below. Diatoms comprise the largest group, with nearly 1,000 taxa, followed by the green algae with over 550 taxa.

The state of Utah encompasses a large geographical region with diverse geology and habitats. Elevational and habitat variabilities range between hot desert environments at about 750 m and high mountain tundra as high as 3,600 m. A wide range of specific habitat types are present. Salt marshes and lakes are common, as are freshwater lakes and reservoirs. Streams of a wide variety, from relatively warm, intermittent desert streams to high mountain, cold water rivers, are common. Marshes, acidic and basic bogs, wet meadows, wet walls, and thermal and cold springs are all present in Utah, some in abundance.

We have examined the algal floras of many of these habitats in western North America over the past several years, and during the process of our work, we began to keep a list of the algal taxa recorded from the state of Utah. We searched several hundred articles dealing with the algae of Utah and recorded the taxa listed by those authors who had done floristic, taxonomic, or ecological work. This amounted to 125 papers of primary importance in developing the Utah algal species list. These papers are listed in the bibliography at the end of this paper. Although our search of nearly all the papers dealing with the algae of Utah contributed to our understanding of select taxa or groups, we found that many papers did not add to the total floristic list (see Christensen 1956, 1962 for a list of most of the papers published on Utah algae prior to 1962).

It is of interest to note when these works were published. Only three papers we are aware of dealing with the algal taxa of the state were published during the nineteenth century. During the 30-year period from the turn

of the century to the end of the 1920s, a total of 6 additional papers were published. The decade of the 1930s saw 10 papers published, while only 3 papers were published during the 1940s. Around 30 papers in each of the decades of the 1960s, 1970s, and to date in the 1980s have been published.

The algal flora of Utah is large and diverse. Nearly 1,900 algal taxa with complete specific, varietal, or forma epithets have been reported in the literature as having been collected in the state. Many additional taxa are reported as unknown species. We have not been able to verify most of these taxa since specimens are not available, and this is somewhat beyond the scope of this introductory list. Many of the diatoms are available for further study, and we hope to examine these algae in more detail in the future.

There also exist many problems with taxonomy and nomenclature. We have not made nomenclatural changes except in instances where authors themselves have made or mentioned such changes. However, it is clear that many of the names used by authors dealing with Utah algae are invalid and should be placed in synonymy. Unraveling these problems awaits the writing of a comprehensive algal flora for the state. In the present paper it is merely our intent to present a list of the algal taxa reported as occurring in the state. It has been difficult to determine the authors of all taxa listed in the Utah algal flora. In many cases, the original researchers did not record species authors, and we have attempted to add them. We have also made changes in authorships where it was clear that a mistake was made. In a few cases, we were not able to determine the author of a taxon, and these will

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be evident in the species list (Table 1).

It should also be mentioned that we have followed a very traditional scheme of classification above the generic level. The reassessment of orders, classes, and divisions of algae (particularly in the Chlorophyta) is currently receiving a good deal of attention from many researchers. We have been conservative in this matter since it is not particularly important to the aim of this paper, and it is certain that further changes are ahead in the near future. We felt that most algologists would be familiar with the traditional scheme we have followed.

The largest group of Utah algae is the diatoms, which contains 977 taxa in 63 genera. The Chlorophyta is represented by a total of 568 taxa in 119 genera. Cyanophyta are represented in Utah by a total of 254 taxa in 53 genera. The Chrysophyceae is represented by 15 taxa in 7 genera, and the Xanthophyceae by 28 taxa in 7 genera. Euglenophyta in the state are represented by 26 taxa in 6 genera. Dinoflagellates (Pyrrhophyta) have been reported in Utah as 7 species in 5 genera. Two genera of Cryptophyta containing 2 species have been reported, as have 2 genera of Rhodophyta containing 2 species.

TABLE 1. List of algal taxa reported from the state of Utah from the earliest recorded collections to the present. The taxa are listed alphabetically according to taxonomic category (except for Bacillariophyceae, which are listed strictly alphabetically). An attempt has been made to categorize all taxa according to the habitat of their occurrence. The letter at the end of the species name refers to the specific habitat type from which the alga was collected: Habitat A is lakes and reservoirs, B is rivers and streams, C is the Great Salt Lake, D is soils, E is wet walls, F is wet meadows, G is thermal springs, H is salt marshes, I is fossils, J is cold springs, and K is undesigned or miscellaneous.

DIVISION CYANOPHYTA	
Class Cyanophyceae	
Order Chroococcales	
<i>Anacystis cyanea</i> (Kütz.) Dro. & Dai.	A
<i>Anacystis marginata</i> Meneg.	B
<i>Anacystis rupestris</i> (Lyngb.) Dro. & Dai.	A
<i>Anacystis</i> sp.	A
<i>Aphanocapsa elachista</i> West & West	A, B
<i>Aphanocapsa elachista</i> var. <i>conferta</i> West & West	A
<i>Aphanocapsa endophytica</i> G.M. Sm.	B
<i>Aphanocapsa grevillei</i> (Hass.) Rabh.	A, B, K
<i>Aphanocapsa halophytica</i> Fremy	C
<i>Aphanocapsa pulchra</i> (Kütz.) Rabh.	A, B, J
<i>Aphanocapsa rivularis</i> (Carm.) Rabh.	A, B, J
<i>Aphanocapsa virescens</i> (Hass.) Rabh.	A, F, J
<i>Aphanocapsa</i> sp.	A
<i>Aphanothecace castagniei</i> (Bréb.) Rabh.	D
<i>Aphanothecace clathrata</i> G.S. West	A, B, H, J
<i>Aphanothecace gelatinosa</i> (Henn.) Lemm.	A, E
<i>Aphanothecace nidulans</i> Rich	A, B, H
<i>Aphanothecace packardii</i> (Farl.) Setch. (see <i>Coccochloris elabens</i>)	
<i>Aphanothecace prasina</i> A.Br.	B, E, K
<i>Aphanothecace saxicola</i> Naeg.	A, B, K
<i>Aphanothecace stagnina</i> (Spreng.) A.Br.	A, B, J, K
<i>Aphanothecace utahensis</i> Tild. (see <i>Coccochloris elabens</i>)	
<i>Aphanothecace</i> sp.	A
<i>Chroococcus cohaerens</i> (Bréb.) Naeg.	A, B, G, K
<i>Chroococcus hansgiri</i> Schmidle	D
<i>Chroococcus limneticus</i> Lemm.	A, B, K
<i>Chroococcus limneticus</i> var. <i>distans</i> G.M. Sm.	A
<i>Chroococcus macrococcus</i> Rabh.	B
<i>Chroococcus minor</i> (Kütz.) Naeg.	D
<i>Chroococcus minutus</i> (Kütz.) Naeg.	A, B, E
<i>Chroococcus multicoloratus</i> Wood	B, J, K
<i>Chroococcus pallidus</i> Naeg.	D, E
<i>Chroococcus prescottii</i> Dro. & Dai.	A
<i>Chroococcus rufescens</i> (Kütz.) Naeg.	D
<i>Chroococcus schizodermaticus</i> West	A
<i>Chroococcus turgidus</i> (Kütz.) Naeg.	A, B, D, E, F, G, J
<i>Chroococcus varius</i> A.Br.	E
<i>Chroococcus</i> sp.	A, C, D
<i>Chroothecace cryptarum</i> Farl.	A
<i>Coccochloris elabens</i> (Bréb.) Dro. & Dai. (= <i>Polycystis packardii</i> Farl.) (= <i>Microcystis packardii</i> [Farl.] Setch.) (= <i>Aphanothecace utahensis</i> Tild.) (= <i>Aphanothecace packardii</i>)	C
<i>Coelosphaeriopsis halophila</i> Lemm. (see <i>Coelosphaerium halophilum</i>)	
<i>Coelosphaerium dubium</i> Grun.	A, B
<i>Coelosphaerium halophilum</i> (Lemm.) Geitl. (= <i>Coelosphaeriopsis halophila</i>)	A
<i>Coelosphaerium kuetzingianum</i> Naeg.	A, B, J
<i>Coelosphaerium naegelianum</i> Unger	A
<i>Coelosphaerium</i> sp.	A
<i>Dactylococcopsis acicularis</i> Lemm.	A
<i>Dactylococcopsis raphidioides</i> Hansg.	J, K
<i>Dactylococcopsis rupestris</i> Hansg.	A
<i>Dactylococcopsis</i> sp.	A
<i>Eucapsis alpina</i> Clem. & Shantz.	A
<i>Gloeocapsa aeruginosa</i> (Carm.) Kütz.	B, D, E
<i>Gloeocapsa arenaria</i> (Hass.) Rabh.	B, E, K
<i>Gloeocapsa calcarea</i> Tild.	A, B
<i>Gloeocapsa decorticans</i> (A.Br.) P.Richt.	A
<i>Gloeocapsa nigrescens</i> Naeg.	E

Table 1 continued.

<i>Aphanocapsa halophytica</i> Fremy	C
<i>Aphanocapsa pulchra</i> (Kütz.) Rabh.	A, B, J
<i>Aphanocapsa rivularis</i> (Carm.) Rabh.	A, B, J
<i>Aphanocapsa virescens</i> (Hass.) Rabh.	A, F, J
<i>Aphanocapsa</i> sp.	A
<i>Aphanothecace castagniei</i> (Bréb.) Rabh.	D
<i>Aphanothecace clathrata</i> G.S. West	A, B, H, J
<i>Aphanothecace gelatinosa</i> (Henn.) Lemm.	A, E
<i>Aphanothecace nidulans</i> Rich	A, B, H
<i>Aphanothecace packardii</i> (Farl.) Setch. (see <i>Coccochloris elabens</i>)	
<i>Aphanothecace prasina</i> A.Br.	B, E, K
<i>Aphanothecace saxicola</i> Naeg.	A, B, K
<i>Aphanothecace stagnina</i> (Spreng.) A.Br.	A, B, J, K
<i>Aphanothecace utahensis</i> Tild. (see <i>Coccochloris elabens</i>)	
<i>Aphanothecace</i> sp.	A
<i>Chroococcus cohaerens</i> (Bréb.) Naeg.	A, B, G, K
<i>Chroococcus hansgiri</i> Schmidle	D
<i>Chroococcus limneticus</i> Lemm.	A, B, K
<i>Chroococcus limneticus</i> var. <i>distans</i> G.M. Sm.	A
<i>Chroococcus macrococcus</i> Rabh.	B
<i>Chroococcus minor</i> (Kütz.) Naeg.	D
<i>Chroococcus minutus</i> (Kütz.) Naeg.	A, B, E
<i>Chroococcus multicoloratus</i> Wood	B, J, K
<i>Chroococcus pallidus</i> Naeg.	D, E
<i>Chroococcus prescottii</i> Dro. & Dai.	A
<i>Chroococcus rufescens</i> (Kütz.) Naeg.	D
<i>Chroococcus schizodermaticus</i> West	A
<i>Chroococcus turgidus</i> (Kütz.) Naeg.	A, B, D, E, F, G, J
<i>Chroococcus varius</i> A.Br.	E
<i>Chroococcus</i> sp.	A, C, D
<i>Chroothecace cryptarum</i> Farl.	A
<i>Coccochloris elabens</i> (Bréb.) Dro. & Dai. (= <i>Polycystis packardii</i> Farl.) (= <i>Microcystis packardii</i> [Farl.] Setch.) (= <i>Aphanothecace utahensis</i> Tild.) (= <i>Aphanothecace packardii</i>)	C
<i>Coelosphaeriopsis halophila</i> Lemm. (see <i>Coelosphaerium halophilum</i>)	
<i>Coelosphaerium dubium</i> Grun.	A, B
<i>Coelosphaerium halophilum</i> (Lemm.) Geitl. (= <i>Coelosphaeriopsis halophila</i>)	A
<i>Coelosphaerium kuetzingianum</i> Naeg.	A, B, J
<i>Coelosphaerium naegelianum</i> Unger	A
<i>Coelosphaerium</i> sp.	A
<i>Dactylococcopsis acicularis</i> Lemm.	A
<i>Dactylococcopsis raphidioides</i> Hansg.	J, K
<i>Dactylococcopsis rupestris</i> Hansg.	A
<i>Dactylococcopsis</i> sp.	A
<i>Eucapsis alpina</i> Clem. & Shantz.	A
<i>Gloeocapsa aeruginosa</i> (Carm.) Kütz.	B, D, E
<i>Gloeocapsa arenaria</i> (Hass.) Rabh.	B, E, K
<i>Gloeocapsa calcarea</i> Tild.	A, B
<i>Gloeocapsa decorticans</i> (A.Br.) P.Richt.	A
<i>Gloeocapsa nigrescens</i> Naeg.	E

Table 1 continued.

<i>Gloeocapsa punctata</i> Naeg.	A,D
<i>Gloeocapsa rupestris</i> Kütz.	B,D,E
<i>Gloeocapsa violacea</i> (Corda) Rabh.	B,K
<i>Gloeocapsa</i> sp.	A,B,C
<i>Gloeothece confluens</i> Naeg.	A
<i>Gloeothece fuscolutea</i> Naeg.	A,B
<i>Gloeothece linearis</i> Naeg.	A
<i>Gloeothece linearis</i> var. <i>composita</i> G. M. Sm.	D
<i>Gloeothece palea</i> (Kütz.) Rabh.	E
<i>Gloeothece rupestris</i> (Lyngb.) Born.	E
<i>Gloeothece</i> sp.	C
<i>Gomphosphaeria aponina</i> Kütz.	A,B,E
<i>Gomphosphaeria aponina</i> var. <i>delicatula</i> Vir.	A
<i>Gomphosphaeria lacustris</i> Chod.	A
<i>Gomphosphaeria</i> sp.	A
<i>Heterohormogonium schizodicholomum</i> J. Cope.	A
<i>Holopedium irregularare</i> Lager.	A
<i>Marssonella elegans</i> Lemm.	A
<i>Merismopedia aeruginosa</i> Bréb.	A,B
<i>Merismopedia brebisson</i> Lemm.	A,B
<i>Merismopedia elegans</i> A. Br.	A,B
<i>Merismopedia glauca</i> (Ehr.) Naeg.	A,B,F
<i>Merismopedia nova</i> Wood	A
<i>Merismopedia punctata</i> Meyen.	D,J
<i>Merismopedia tenuissima</i> Lemm.	A,B,E
<i>Merismopedia</i> sp.	A,B
<i>Microcystis aeruginosa</i> Kütz. em. Elenk.	A,J,K
<i>Microcystis aeruginosa</i> var. <i>major</i> Witt.	A
<i>Microcystis aeruginosa</i> f. <i>minor</i> Elenk.	J
<i>Microcystis flos-aquae</i> (Wittr.) Kirch.	A,B,J
<i>Microcystis incerta</i> Lemm.	A
<i>Microcystis packardii</i> (Farl.) Setch. (see <i>Coccochloris elabens</i>)	
<i>Microcystis protocystis</i> Crow	A
<i>Microcystis pulvrea</i> (Wood) Migula	A,B
<i>Microcystis</i> sp.	A,G
<i>Polycystis packardii</i> Farl. (see <i>Coccochloris elabens</i>)	
<i>Rhabdoderma irregularare</i> (Naum.) Geit.	A
<i>Rhabdoderma lineare</i> Schm. & Laut.	A
<i>Synechococcus aeruginosa</i> Naeg.	A,D,G,K
<i>Synechococcus</i> sp.	A,G
<i>Synechocystis aquatilis</i> Sauv.	J
<i>Synechocystis</i> sp.	A
Order Chamaesiphonales	
<i>Chamaesiphon incrustans</i> Grun.	A,B,E,K
<i>Chamaesiphon</i> sp.	B
<i>Entophysalis lemiae</i> (Ag.) Dro. & Dai.	B
<i>Entophysalis rivularis</i> (Kütz.) Dro.	B,C
<i>Entophysalis rivularis</i> f. <i>papillosa</i> (Kütz.) Dro. & Dai.	B
<i>Pleurocapsa</i> cf. <i>entophysaloides</i> Setch. & Gard.	C

Table 1 continued.

<i>Xenococcus schousboei</i> Thur.	A,J
<i>Xenococcus</i> sp.	A
Order Oscillatoriales	
<i>Amphithrix janthina</i> (Mont.) Bourn. & Flah.	B
<i>Anabaena affinis</i> Lemm.	B
<i>Anabaena azollae</i> Stras.	A,B,K
<i>Anabaena catenula</i> (Kütz.) Bourn.	B
<i>Anabaena circinalis</i> Rabh.	B,K
<i>Anabaena cylindrica</i> Lemm.	A,K
<i>Anabaena flos-aquae</i> (Lyngb.) Bréb.	A,B
<i>Anabaena inaequalis</i> (Kütz.) Bourn. & Fla.	A,B,K
<i>Anabaena oscillarioides</i> Bory	A,B,G
<i>Anabaena sphaerica</i> Bourn. & Flah.	A,B
<i>Anabaena spiroides</i> Kleb.	A
<i>Anabaena spiroides</i> var. <i>crassa</i> Lemm.	A
<i>Anabaena torulosa</i> (Carm.) Lager.	A,K
<i>Anabaena variabilis</i> Kütz.	A,B,D,K
<i>Anabaena</i> sp.	A,B,D,H,K
<i>Anabaenopsis</i> sp.	A
<i>Aphanizomenon flos-aquae</i> (Lemm.) Ralfs	A,B
<i>Arthospira gomontiana</i> Setch.	B,G,K
<i>Aulosira</i> sp.	A
<i>Calothrix clavata</i> West	E
<i>Calothrix parietina</i> (Naeg.) Thur.	B,D,E,J,K
<i>Calothrix stagnalis</i> Gom.	B
<i>Calothrix stellaris</i> Bourn. & Fla.	B
<i>Calothrix</i> sp.	A,B,D
<i>Cylindrospermum catenatum</i> Ralfs	K
<i>Cylindrospermum catenatum</i> var. <i>ellipticum</i> Flow.	B
<i>Cylindrospermum catenatum</i> var. <i>elongatum</i> Flow.	K
<i>Cylindrospermum catenatum</i> var. <i>ovatum</i> Flow.	A,E
<i>Cylindrospermum comatum</i> Wood	K
<i>Cylindrospermum licheniforme</i> (Bory) Kütz.	K
<i>Cylindrospermum muscicola</i> Kütz.	A,K
<i>Cylindrospermum</i> sp.	J,K
<i>Dasygloea amorphia</i> Berkeley	B,K
<i>Desmonema pachyderma</i> Flow.	B
<i>Desmonema</i> sp.	A
<i>Dichothrix meneghiniana</i> Kütz.	B
<i>Dichothrix orsiniana</i> (Kütz.) Bourn. & Flah.	B,K
<i>Dichothrix utahensis</i>	C
<i>Dichothrix</i> sp.	K
<i>Hapalosiphon</i> sp.	A
<i>Lynbya aerugineo-caerulea</i> (Kütz.) Gom.	A,B,G,H,K
<i>Lynbya aestuarii</i> (Mert.) Leibn.	A,B,D,G
<i>Lynbya birgei</i> G. M. Sm.	A
<i>Lynbya circumcreta</i> G. S. West	A
<i>Lynbya contorta</i> Lemm.	A

Table 1 continued.

<i>Lyngbya diguetii</i> Gom.	A
<i>Lyngbya epiphytica</i> Hier. ex Eng. & Prant.	A
<i>Lyngbya kuetzingii</i> Schmidle	G, J
<i>Lyngbya limnetica</i> Lemm.	D, E
<i>Lyngbya major</i> Meneg.	A, B, J, K
<i>Lyngbya majuscula</i> (Dill.) Harv.	A, K
<i>Lyngbya mартенсiana</i> Meneg.	A, B, D, G, H
<i>Lyngbya mартенсiana</i> var. <i>calcarea</i> Tild.	B
<i>Lyngbya mартенсiana</i> var. <i>capitata</i> Flow.	K
<i>Lyngbya mартенсiana</i> var. <i>tenuivaginata</i> Gom.	G
<i>Lyngbya nana</i> Tild.	A, B, K
<i>Lyngbya nordgaardii</i> Wille	E
<i>Lyngbya ochracea</i> (Kütz.) Thuret.	K
<i>Lyngbya sordida</i> (Zanard.) Gom.	A, K
<i>Lyngbya versicolor</i> (Wart.) Gom.	B
<i>Lyngbya</i> sp.	A, B, G, K
<i>Microchaete robusta</i> Setch. & Gard.	B
<i>Microcoleus lyngbyaceus</i> (Kütz.) Crouan	C
<i>Microcoleus paludosus</i> (Kütz.) Gom.	A, B
<i>Microcoleus vaginatus</i> (Vauch.) Gom.	B, D, K
<i>Microcoleus</i> sp.	A
<i>Nodularia americana</i> Thuret	A, J
<i>Nodularia harveyana</i> (Thw.) Thuret	A, B, K
<i>Nodularia paludosa</i> Wolle	K
<i>Nodularia sphaerocarpa</i> Bourn.	A, K
<i>Nodularia spumigena</i> Mert.	A, C, J
<i>Nodularia</i> sp.	A
<i>Nostoc caeruleum</i> Lyngb.	A
<i>Nostoc commune</i> Vauch.	A, D, E, K
<i>Nostoc ellipsosporum</i> (Desmaz.) Rabh.	E, K
<i>Nostoc linckia</i> (Roth) Bourn. & Thur.	A, B
<i>Nostoc microscopicum</i> Carm.	E
<i>Nostoc muscorum</i> C. A. Ag.	A, D, E, K
<i>Nostoc paludosum</i> Kütz.	A, B, D, E
<i>Nostoc parmeloides</i> Kütz.	B
<i>Nostoc piscinale</i> Kütz.	A, B, K
<i>Nostoc pruniforme</i> (L.) C. A. Ag.	A, H, K
<i>Nostoc punctiforme</i> (Kuetz.) Hariot	B, D
<i>Nostoc sphaericum</i> (L.) Vauch.	B, C, K
<i>Nostoc sphaerooides</i> Kütz.	B, F, K
<i>Nostoc spongiaeforme</i> C. A. Ag.	A, B
<i>Nostoc verrucosum</i> Vauch.	A, B
<i>Nostoc</i> sp.	A, B, D, H
<i>Nostochopsis</i> sp.	A
<i>Oscillatoria agardhii</i> Gom.	A, B, E, J, K
<i>Oscillatoria amoena</i> (Kütz.) Gom.	A, B, G, H, K
<i>Oscillatoria amphibia</i> C. A. Ag.	A, B, D, G, H, K
<i>Oscillatoria anguina</i> (Bory) Gom.	B
<i>Oscillatoria angusta</i> Koppe	A, B, D, E, J
<i>Oscillatoria angustissima</i> West & West	A, B, D, G, H, K
<i>Oscillatoria animalis</i> Ag.	A, B, D, G, H, K
<i>Oscillatoria articulata</i> Gard.	A
<i>Oscillatoria boryana</i> Bory.	D
<i>Oscillatoria brevis</i> Kütz.	B, G, H, K
<i>Oscillatoria brevis</i> var. <i>neopolitana</i> (Kütz.) Gom.	G
<i>Oscillatoria chalybea</i> Mert.	B, G, H, K

Table 1 continued.

<i>Oscillatoria chalybea</i> var. <i>genuine</i> (Coll.) Hold. & Setch.	A
<i>Oscillatoria chlorina</i> Kütz.	J
<i>Oscillatoria cortiana</i> Meneg.	G, J, K
<i>Oscillatoria cruenta</i> Grun.	A, B, D, E, F, G, J
<i>Oscillatoria curviceps</i> C. A. Ag.	B
<i>Oscillatoria formosa</i> Bory	A, B, F, G, K
<i>Oscillatoria geminata</i> Meneg.	A, B, D, E, G, K
<i>Oscillatoria janthophora</i> Com.	G, H
<i>Oscillatoria laetevirens</i> Crouan	G, K
<i>Oscillatoria lemmermanni</i> Kütz.	A, B, F, G, K
<i>Oscillatoria limnetica</i> Lemm.	A, E
<i>Oscillatoria limosa</i> (Roth) Ag.	A, B, D, G, J, K
<i>Oscillatoria lutea</i> Ag.	B, D
<i>Oscillatoria minnesotensis</i> Tild.	B, G, K
<i>Oscillatoria nigro-viridis</i> Thw.	A, B, G, H, K
<i>Oscillatoria okeni</i> Ag.	G
<i>Oscillatoria princeps</i> Vauch.	A, B, C, G, K
<i>Oscillatoria prolific</i> (Grev.) Gom.	A, K
<i>Oscillatoria rubescens</i> DeCand.	B, E
<i>Oscillatoria sancta</i> (Kütz.) Gom.	A, B, D, G, K
<i>Oscillatoria sancta</i> var. <i>aequinoctialis</i> Gom.	A, I
<i>Oscillatoria simplicissima</i> Gom.	K
<i>Oscillatoria splendida</i> Grev.	B, J, K
<i>Oscillatoria subbrevis</i> Schmidle	A, E
<i>Oscillatoria subbrevis</i> f. <i>minor</i> Desik.	E
<i>Oscillatoria subtilissima</i> Kütz.	A, G, H, K
<i>Oscillatoria tenuis</i> C. A. Ag.	A, B, D, G, K
<i>Oscillatoria tenuis</i> var. <i>natans</i> (Kütz.) Rab.	C, H, K
<i>Oscillatoria tenuis</i> var. <i>turgestina</i> (Kütz.) Rab.	C, G, H, K
<i>Oscillatoria terebriformis</i> C. A. Ag.	G
<i>Oscillatoria</i> sp.	A, B, C, H, K
<i>Phormidium ambiguum</i> Gom.	A, B
<i>Phormidium angustissimum</i> West & West	A, G, H, K
<i>Phormidium autumnale</i> (Ag.) Gom.	A, B, G, K
<i>Phormidium favosum</i> (Bory) Gom.	B, J, K
<i>Phormidium foveolarum</i> (Mont.) Gom.	B, G, H, K
<i>Phormidium fragilis</i> Menegh.	H, K
<i>Phormidium incrassatum</i> (Naeg.) Gom.	A, B
<i>Phormidium inundatum</i> Kütz.	A, G, J, K
<i>Phormidium minnesotense</i> (Tild.) Druet	D
<i>Phormidium ramosum</i> Boye	G, H, K
<i>Phormidium subfuscum</i> Kütz.	A, B, G
<i>Phormidium subfuscum</i> var. <i>joannianum</i> (Kütz.) Gom.	B
<i>Phormidium tenue</i> (Meneg.) Gom.	A, B, D, G
<i>Phormidium uncinatum</i> (C. A. Ag.) Gom.	B, J, K
<i>Phormidium</i> sp.	A, B, K
<i>Plectonema boryanum</i> Gom.	A
<i>Plectonema nostocorum</i> Bornet	K
<i>Plectonema tenue</i> Thuret	K
<i>Plectonema tomasinianum</i> (Kütz.) Bornet	J
<i>Rivularia echinulata</i>	K
<i>Rivularia</i> sp.	A, J
<i>Sacconema rupestre</i> Borzi	B

Table 1 continued.

<i>Schizothrix calcicola</i> (Ag.) Gom.	D
<i>Schizothrix fasiculata</i> (Naeg.) Gom.	B
<i>Schizothrix fragilis</i> (Kütz.) Gom.	B,E
<i>Schizothrix lacustris</i> A.Br. ex Kütz.	A,E
<i>Schizothrix</i> sp.	A
<i>Scytonema alatum</i> (Carm.) Borzi	E
<i>Scytonema hofmannii</i> Ag.	D
<i>Scytonema myochrous</i> (Dillw.) C.A. Ag.	D,E,K
<i>Scytonema tolypothricoides</i> Kütz.	A,B,E
<i>Scytonema</i> sp.	K
<i>Spirulina calderia</i> Tild.	B,G,K
<i>Spirulina laxa</i> G.M.Sm.	A,E
<i>Spirulina major</i> Kütz.	A,B,C,G,K
<i>Spirulina nordstedtii</i> Gom.	B
<i>Spirulina princeps</i> (West & West) G.W. West	A,B
<i>Spirulina subsalsa</i> Oersted	E,J,K
<i>Spirulina subtilissima</i> Kütz.	G
<i>Spirulina</i> sp.	A,B
<i>Stigonema hormooides</i> (Kütz.) Bourn. & Fla.	D
<i>Stigonema mammosum</i> (Lyngb.) C.A. Ag.	E
<i>Stigonema turfaceum</i> (Berk.) Cooke	A,B
<i>Stigonema</i> sp.	A,B
<i>Tolyphothrix bouteillei</i> (Bréb. & Desm.) Forti	D
<i>Tolyphothrix distorta</i> Kütz.	A
<i>Tolyphothrix lanata</i> Wartm.	A,B,E
<i>Tolyphothrix limbata</i> Thuret	A,F
<i>Tolyphothrix penicillata</i> Ag.	A,B,K
<i>Tolyphothrix tenuis</i> Kütz.	A,D,E,G,H, J,K
<i>Tolyphothrix</i> sp.	A,D,K
<i>Trichodesmium erythraeum</i> Ehr.	A,B
<i>Trichodesmium</i> sp.	A
Class Chlorobacteriaceae	
<i>Pelogloea bacillifera</i> Lauterb.	A
DIVISION CHLOROPHYTA	
Class Chlorophyceae	
Order Volvocales	
<i>Carteria cordiformis</i> (Cart.) Dill.	A
<i>Carteria klebsii</i> (Dang.) France em. Troitz.	A,B
<i>Carteria stellifera</i> Nyg.	A
<i>Carteria</i> sp.	A,C,H
<i>Chlamydomonas altera</i> Skuja	A
<i>Chlamydomonas angulosa</i> Dill.	B
<i>Chlamydomonas globosa</i> Snow	A
<i>Chlamydomonas gloeocystiformis</i> Dillw.	K
<i>Chlamydomonas nivalis</i> (Bau.) Wille	K
<i>Chlamydomonas polypyrenoideum</i> Pres.	A
<i>Chlamydomonas</i> sp.	A,B,C,D,H
<i>Chloromonas brevispina</i> (Fritz.) Hoh., Roem. & Müll.	K

Table 1 continued.

<i>Chloromonas nivalis</i> (Chod.) Hoh. & Müll	K
<i>Cryocystis granulosa</i> Kol.	K
<i>Dunaliella salina</i> Teod.	C,H
<i>Dunaliella viridis</i> Teod.	C
<i>Dunaliella</i> sp.	A
<i>Eudorina elegans</i> Ehr.	A,B
<i>Eudorina</i> sp.	A
<i>Gonium pectorale</i> Müll.	A
<i>Gonium</i> sp.	A
<i>Pandorina morum</i> (Müll.) Bory	A,B,K
<i>Pandorina</i> sp.	A
<i>Pedinomonas</i> sp.	A
<i>Platymonas elliptica</i> G.M.Sm.	A
<i>Pleodorina illinoiensis</i> Kofoid	A
<i>Pleodorina</i> sp.	A,B
<i>Pteromonas cordiformis</i> Lemm. em Fott	A
<i>Pteromonas cruciata</i> Playf.	A
<i>Pteromonas</i> sp.	A
<i>Spermatozopsis exultans</i> Korsch	C
<i>Sphaerellopsis aulata</i> (Pasch.) Gerl.	A
<i>Sphaerellopsis gloeocystiformis</i> (Korsch) Gerloff	C
<i>Volvox aureus</i> Ehr.	K
<i>Volvox globator</i> L.	A,K
<i>Volvox tertius</i> A. Meyer	B
<i>Volvox</i> sp.	A,B
<i>Wislouchiella planktonica</i> Skv.	A
Order Tetrasporales	
<i>Asterococcus limneticus</i> G.M.Sm.	A,B,J
<i>Asterococcus</i> sp.	A
<i>Chlorosarcina brevispinosa</i> Chant. & Bold	D
<i>Elakatothrix gelatinosa</i> Wille	A
<i>Elakatothrix viridis</i> Printz.	A
<i>Gloeocystis ampla</i> (Kütz.) Lager.	A
<i>Gloeocystis gigas</i> (Kütz.) Lager.	A,B
<i>Gloeocystis major</i> Gerneck	A
<i>Gloeocystis planctonica</i> (West & West) Lemm.	B
<i>Gloeocystis vesiculosus</i> Naeg.	A,B
<i>Gloeocystis</i> sp.	A,B,C
<i>Palmella miniata</i> Leibl.	D,E
<i>Palmella mucosa</i> Kütz.	A,B,F
<i>Palmella</i> sp.	A,J
<i>Sphaerocystis schroeteri</i> Chod.	A,B,D,E
<i>Sphaerocystis</i> sp.	A
<i>Tetraspora cylindrica</i> (Wahl.) Ag.	A
<i>Tetraspora gelatinosa</i> (Vauch.) Desvaux	A,B
<i>Tetraspora lacustris</i> Lemm.	A
<i>Tetraspora lubrica</i> (Roth) Ag.	A,B,F
<i>Tetraspora lubrica</i> var. <i>lacunosa</i> Chauv.	C
<i>Tetraspora</i> sp.	A,B

Table 1 continued.

Order Ultrichales	
<i>Binuclearia tatrana</i> Wittr.	A
<i>Binuclearia</i> sp.	A
<i>Chlorotylium cataractum</i> Kütz.	B
<i>Cylindrocapsa conferta</i> W. West	A, B
<i>Cylindrocapsa geminella</i> Wolle	A, B, K
<i>Geminella interrupta</i> Turpin	B
<i>Geminella minor</i> Naeg.	B
<i>Geminella scalariformis</i> G.S. West	A, K
<i>Hormidium</i> sp.	A
<i>Microspora amoena</i> (Kütz.) Rabh.	G
<i>Microspora crassior</i> (Hansg.) Haz.	A, G
<i>Microspora floccosa</i> (Vauch.) Thur.	A
<i>Microspora loefgrennii</i> (Nordst.) Lager.	A, B
<i>Microspora quadrata</i> Haz.	B
<i>Microspora stagnorum</i> (Kütz.) Lager.	A
<i>Microspora tumidula</i> Haz.	A, K
<i>Microspora willeiana</i> Lager.	A, B
<i>Microspora wittrockii</i> (Wille) Lager.	K
<i>Microspora</i> sp.	A
<i>Microthamnion</i> sp.	A
<i>Palmodictyon varians</i> (Naeg.) Lemm.	A, B
<i>Stichococcus bacillaris</i> Naeg.	A, K
<i>Stichococcus scopulinus</i> Haz.	K
<i>Stichococcus subtilis</i> (Kütz.) Klercker	B, K
<i>Stichococcus</i> sp.	A
<i>Ulothrix aequalis</i> Kütz.	A, B
<i>Ulothrix calderia</i> (Kütz.) Collins	G
<i>Ulothrix cylindricum</i> Pres.	A, E
<i>Ulothrix oscillaria</i> Kütz.	J
<i>Ulothrix scalariformis</i> G. S. West	A
<i>Ulothrix subtilissima</i> Rabh.	B
<i>Ulothrix tenerima</i> Kütz.	A, B, D, K
<i>Ulothrix tenuissima</i> Kütz.	A, B
<i>Ulothrix variabilis</i> Kütz.	A
<i>Ulothrix zonata</i> (Web. & Mohr.) Kütz	A, B, E, F, H, K
<i>Ulothrix</i> sp.	A, B, H
Order Sphaeropleales	
<i>Sphaeroplea annulina</i> (Roth) Ag.	K
<i>Sphaeroplea</i> sp.	K
Order Chaetophorales	
<i>Aphanochaete repens</i> A. Br.	A, B, K
<i>Chaetophora elegans</i> (Roth) Ag.	A, B, G, K
<i>Chaetophora incrassata</i> (Hds.) Haz.	A, B
<i>Chaetophora</i> sp.	A, B, F, G, K
<i>Chaetosphaeridium</i> sp.	A
<i>Coleochaete irregularis</i> Pringsheim	B
<i>Dicranochaete reniformis</i> Hiero.	A
<i>Draparnaldia acuta</i> (C.A. Ag.) Kütz.	F
<i>Draparnaldia glomerata</i> (Vauch.) C. A. Ag.	A, B
<i>Draparnaldia plumosa</i> (Vauch.) Ag.	A, B
<i>Draparnaldia</i> sp.	A, B
<i>Gongrosira</i> sp.	A

Table 1 continued.

<i>Microthamnion kuetzingianum</i> Naeg.	J
<i>Myxonema protensum</i> Dill.	A
<i>Myxonema stagnatile</i> Haz. (see <i>Stigeoclonium stagnatile</i>)	
<i>Myxonema</i> sp. (see <i>Stigeoclonium</i> sp.)	
<i>Protococcus viridis</i> Ag.	A, D, K
<i>Protoderma viride</i> Kütz.	B
<i>Stigeoclonium aestivale</i> Haz.	A
<i>Stigeoclonium attenuatum</i> (Haz.) Collins	A, B
<i>Stigeoclonium lubricum</i> (Dillw.) Kütz.	B, K
<i>Stigeoclonium stagnatile</i> (Haz.) Coll. (= <i>Myxonema stagnatile</i>)	A, B, J
<i>Stigeoclonium subsecundum</i> Kütz.	A
<i>Stigeoclonium subuligerum</i> Kütz.	J
<i>Stigeoclonium tenue</i> (Ag.) Kütz.	A, K
<i>Stigeoclonium</i> sp. (= <i>Myxonema</i> sp.)	A, B, E
Order Trentepohliales	
<i>Trentepohlia aurea</i> (L.) Martius	E
Order Schizogoniales	
<i>Prasiola mexicana</i> J.G. Ag.	A
Order Oedogoniales	
<i>Bulbochaete</i> sp.	A
<i>Oedogonium capilliforme</i> Kütz.	A, K
<i>Oedogonium capilliforme</i> var. <i>debaryanum</i> (Chm.) Hirn.	A, K
<i>Oedogonium fonticola</i> Wolle	B
<i>Oedogonium grande</i> Kütz.	J
<i>Oedogonium vaucherii</i> LeClere	B
<i>Oedogonium</i> sp.	A, B, D, E, F H, K
Order Ulvales	
<i>Enteromorpha aconthophora</i> Kütz.	A, B, K
<i>Enteromorpha crinita</i> (Roth) C.A. Ag.	A, K
<i>Enteromorpha intestinalis</i> (L.) Grev.	A, B, C, H, K
<i>Enteromorpha marginata</i> J.G. Ag.	C
<i>Enteromorpha micrococca</i> Kütz.	A, B, K
<i>Enteromorpha plumosa</i> Kütz.	B, H
<i>Enteromorpha prolifera</i> (Dan.) J.G. Ag.	A, B, H
<i>Enteromorpha salina</i>	A, B, K
<i>Enteromorpha tubulosa</i>	C
<i>Enteromorpha</i> sp.	A, B, F, H
<i>Monostroma quaternarium</i> Kütz.	C
<i>Monostroma</i> sp.	A
<i>Ulva marginata</i> Ag.	C
Order Cladophorales	
<i>Cladophora callicoma</i> Kütz.	A, B
<i>Cladophora canalicularis</i> Roth	B
<i>Cladophora crispata</i> (Roth) Kütz.	A, B
<i>Cladophora fracta</i> (Dillw.) Kütz.	A, B, C, H, K
<i>Cladophora glomerata</i> (Lemm.) Kütz.	A, B, E, H, J
<i>Cladophora insignis</i> (Ag.) Kütz.	A, K

Table 1 continued.

<i>Cladophora kuetzingiana</i> Grun.	A,B
<i>Cladophora</i> sp.	A,B,F,H,K
<i>Rhizoclonium crassipellitum</i> West & West	H
<i>Rhizoclonium crispum</i> Kütz.	A,C,H
<i>Rhizoclonium giganteum</i> Silva	G
<i>Rhizoclonium hieroglyphicum</i> (Ag.) Kütz.	A,B,C,H,K
<i>Rhizoclonium pachydermum</i> Kjell	B
<i>Rhizoclonium salinum</i>	C
<i>Rhizoclonium</i> sp.	A,B
Order Schizogoniales	
<i>Prasiola mexicana</i> J.G. Ag.	B
<i>Schizogonium</i> sp.	B
Order Chlorococcales	
<i>Actinastrum gracilimum</i> G.M.Sm.	A
<i>Actinastrum hantzschii</i> Lager.	A
<i>Actinastrum hantzschii</i> var. <i>elongatum</i> G.M.Sm.	A
<i>Actinastrum hantzschii</i> var. <i>fluviatile</i> Schr.	A
<i>Ankistrodesmus convolutus</i> Corda	A
<i>Ankistrodesmus falcatus</i> (Corda) Ralfs	A,B
<i>Ankistrodesmus falcatus</i> var. <i>mirabilis</i> (West & West) G.S.West	A
<i>Ankistrodesmus falcatus</i> var. <i>spirilliformis</i> West	A
<i>Ankistrodesmus falcatus</i> var. <i>stipitatus</i> (Chod.) Lemm.	A
<i>Ankistrodesmus spiralis</i> (Turn.) Lemm.	A
<i>Ankistrodesmus</i> sp.	A,B
<i>Ankyra judayi</i> (G.M.Sm.) Fott.	A
<i>Botryococcus braunii</i> Kütz.	A,B,E
<i>Botryococcus sudeticus</i> Lemm.	A,B,J
<i>Characium acuta</i>	K
<i>Characium ambiguum</i> Hermann	A,B
<i>Characium ellipoidea</i>	B
<i>Characium longipes</i> A.Br.	K
<i>Characium naegelii</i> (A.Br.) Lemm.	B
<i>Characium obtusum</i> A.Br.	B
<i>Characium pringsheimii</i>	A,K
<i>Characium</i> sp.	A
<i>Chlorella vulgaris</i> Beijer.	A,K
<i>Chlorella</i> sp.	A
<i>Chlorococcum humicola</i> (Naeg.) Rab.	A,D,K
<i>Chlorococcum infusionum</i> (Schr.) Meneg.	A
<i>Chlorococcum</i> sp.	A,D
<i>Closteriopsis longissima</i> var. <i>tropica</i> West & West	A,B
<i>Closteriopsis</i> sp.	A
<i>Coelastrum microporum</i> Naeg.	A
<i>Coelastrum reticulatum</i> Dang.	J
<i>Coelastrum</i> sp.	A,B
<i>Crucigenia quadrata</i> Morr.	A
<i>Crucigenia rectangularis</i> (A.Br.) Gay	A

Table 1 continued.

<i>Crucigenia tetrapedia</i> (Kirch.) West & West	A
<i>Dictyosphaerium ehrenbergianum</i> Naeg.	A
<i>Dictyosphaerium pulchellum</i> Wood	A
<i>Dictyosphaerium</i> sp.	A
<i>Eremosphaera viridis</i> DeBary	A
<i>Franceia droescheri</i> (Lemm.) G.M.Sm.	A
<i>Gloeocystopsis limneticus</i> G.M.Sm. (see <i>Nephrocytum limneticum</i>)	.
<i>Gloeotaenium loitlesbergerianum</i> Hans.	B
<i>Golenkinia paucispina</i> West & West	A
<i>Hydrodictyon reticulatum</i> (L.) Lager.	A,K
<i>Hydrodictyon</i> sp.	K
<i>Kirchneriella contorta</i> Schm.	J
<i>Kirchneriella elongata</i> Sm.	B,J
<i>Kirchneriella lunaris</i> (Kirch.) Moeb.	A,J
<i>Kirchneriella obesa</i> West	A,B
<i>Kirchneriella obesa</i> var. <i>major</i> (Bernard) G.M.Sm.	B
<i>Kirchneriella westii</i>	K
<i>Kirchneriella</i> sp.	A
<i>Lagerheimia ciciliata</i> (Lag.) Chod.	K
<i>Lagerheimia ciciliata</i> var. <i>minor</i> G.M.Sm.	A
<i>Lagerheimia longiseta</i> var. <i>major</i> G.M.Sm.	A
<i>Lagerheimia subsalsa</i> Lemm.	A
<i>Lagerheimia wratislawiensis</i> Schr.	A
<i>Lagerheimia</i> sp.	A
<i>Micractinium pusillum</i> Fres.	A
<i>Nephrocytum agardhianum</i> Naeg.	A,H,J
<i>Nephrocytum limneticum</i> (G.M.Sm.) G.M.Sm. (= <i>Gloeocystopsis limneticus</i>)	B,H
<i>Nephrocytum lunata</i> W.West	B
<i>Nephrocytum obesum</i> W.West	A
<i>Nephrocytum</i> sp.	A
<i>Oocystis borgei</i> Snow	A,E
<i>Oocystis crasse</i> Wittr.	A
<i>Oocystis elliptica</i> W.West	A,B
<i>Oocystis eremosphaeria</i> Sm.	B
<i>Oocystis gigas</i> Arch.	A,B
<i>Oocystis gloeocystiformis</i> Borge	A
<i>Oocystis lacustris</i> Chod.	A
<i>Oocystis marssonii</i> Lemm.	A
<i>Oocystis nagelli</i> A.Br.	B
<i>Oocystis novae-semiae</i> Wille	A
<i>Oocystis parva</i> West & West	A,C,J
<i>Oocystis pusilla</i> Hans.	A
<i>Oocystis rotunda</i> Schm.	B
<i>Oocystis solitaria</i> Wittr.	A,B
<i>Oocystis submarina</i> Lager.	A
<i>Oocystis</i> sp.	A,B,D,E
<i>Palmelloccoccus</i> sp.	B,D,K
<i>Pediastrum angulosum</i>	B
<i>Pediastrum bidentulum</i> A.Br.	A

Table 1 continued.

<i>Pediastrum biradiatum</i> Meyen	B
<i>Pediastrum boryanum</i> (Turp.) Meneg.	A,B
<i>Pediastrum boryanum</i> var. <i>rugulosum</i>	
West	A
<i>Pediastrum duplex</i> Meyen	A
<i>Pediastrum duplex</i> var. <i>brachylobum</i>	
A.Br.	A
<i>Pediastrum duplex</i> var. <i>cornutum</i> Racib.	A
<i>Pediastrum duplex</i> var. <i>clathratum</i>	
(A.Br.) Lager.	A
<i>Pediastrum duplex</i> var. <i>gracilimum</i>	
West & West	A
<i>Pediastrum granulatum</i> Kütz.	B
<i>Pediastrum integrum</i> Naeg.	B
<i>Pediastrum integrum</i> var. <i>scutum</i> Racib.	B
<i>Pediastrum integrum</i> f. <i>glabra</i> Racib.	B
<i>Pediastrum muticum</i> var. <i>brevicorne</i>	
Racib.	A
<i>Pediastrum pertusum</i> Kütz.	A
<i>Pediastrum sculptatum</i> Sm.	A
<i>Pediastrum simplex</i> (Meyen) Lemm.	A
<i>Pediastrum simplex</i> var. <i>duodenarium</i>	
(Bail.) Rabh.	A
<i>Pediastrum tetras</i> (Ehr.) Ralfs.	A,B,D
<i>Pediastrum tetras</i> var. <i>tetraodon</i>	
(Chorda) Rabh.	A
<i>Pediastrum</i> sp.	A,B
<i>Planktosphaeria gelatinosa</i> G.M.Sm.	A
<i>Planktosphaeria</i> sp.	A
<i>Quadrigula chodatii</i> (Tanner-Full.) Sm.	A
<i>Quadrigula closterioides</i> (Bohlin) Printz	A
<i>Quadrigula lacustria</i> (Chod.) G.M.Sm.	A
<i>Scenedesmus abundans</i> var. <i>brevicauda</i>	
G.M.Sm.	A
<i>Scenedesmus acuminatus</i> (Lager.) Chod.	A
<i>Scenedesmus arcuatus</i> var. <i>platydisca</i>	
G.M.Sm.	A
<i>Scenedesmus armatus</i> (Chod.) G.M.Sm.	A
<i>Scenedesmus bijuga</i> (Turp.) Lager.	A,B,J
<i>Scenedesmus bijuga</i> var. <i>alterans</i> (Rein.)	
Hansg.	A
<i>Scenedesmus bijuga</i> var. <i>flexuosus</i>	
Lemm.	A
<i>Scenedesmus denticulatus</i> Lager.	A,B,J
<i>Scenedesmus denticulatus</i> var. <i>linearis</i>	
Hansg.	J
<i>Scenedesmus dimorphus</i> (Turp.) Kütz.	A
<i>Scenedesmus ecornis</i>	A
<i>Scenedesmus longus</i> var. <i>naegelii</i>	
(Bréb.) G.M.Sm.	A
<i>Scenedesmus obliquus</i> (Turp.) Kütz.	A
<i>Scenedesmus opoliensis</i> P.Richter	A
<i>Scenedesmus perforatus</i> Lemm.	A
<i>Scenedesmus quadricauda</i> (Turp.)	
Bréb.	A,B,J
<i>Scenedesmus quadricauda</i> var.	
<i>longispina</i> (Chod.) G.M.Sm.	A
<i>Scenedesmus quadricauda</i> var. <i>parvus</i>	
G.M.Sm.	A
<i>Scenedesmus quadricauda</i> var.	
<i>maximus</i> West & West	A
<i>Scenedesmus quadricauda</i> var.	
<i>quadrispina</i> (Chod.) G.M.Sm.	A

Table 1 continued.

<i>Scenedesmus quadricauda</i> var.	
<i>westii</i> G.M.Sm.	A
<i>Scenedesmus quadrispina</i> (Chod.) Sm.	A,B,F
<i>Scenedesmus</i> sp.	A
<i>Schroederia setigera</i> (Schr.) Lemm.	A
<i>Schroederia</i> sp.	A
<i>Selenastrum bibraianum</i> Reinsch	A
<i>Selenastrum gracile</i> Reinsch	A
<i>Selenastrum minutum</i> (Naeg.) Collins	A
<i>Selenastrum westii</i> G.M.Sm.	A,F,J
<i>Selenastrum</i> sp.	A
<i>Sorastrum americanum</i> (Bohlin)	
Schmidle	A
<i>Tetraedron caudatum</i> (Corda) Hansg.	A
<i>Tetraedron minimum</i> (A.Br.) Hansg.	A
<i>Tetraedron pentaedricum</i> West	
& West	A
<i>Tetraedron</i> sp.	A
<i>Trebaria setigerum</i> (Archer) G.M.Sm.	A
<i>Trebaria triappendiculata</i> Bern.	A,C
<i>Trochiscia granulata</i> (Reinsch) Hansg.	K
<i>Trochiscia reticularis</i> (Reinsch) Hansg.	G,J
<i>Westella botryoides</i> (West) deWild.	A
<i>Westella linearis</i> Sm.	A,J
Order Zygnematales	
<i>Arthrodesmus bulnheimii</i> var.	
<i>subincus</i> W. West	A
<i>Arthrodesmus convergens</i> Ehr.	A
<i>Arthrodesmus fragilis</i> Wolle	A
<i>Arthrodesmus incus</i> (Bréb.) Hass.	A
<i>Arthrodesmus phimus</i> Turn.	A
<i>Arthrodesmus ralfsii</i> W. West	A
<i>Arthrodesmus subulatus</i> Kütz.	A
<i>Arthrodesmus subulatus</i> var.	
<i>subaequalis</i> West & West	A
<i>Arthrodesmus triangularis</i> Lager.	A
<i>Arthrodesmus triangularis</i> var. <i>inflatus</i>	
West & West	A
<i>Calacylindrus minutus</i> (Ralfs) Kirch.	B
<i>Closterium abruptum</i> W. West	A,B,F
<i>Closterium acerosum</i> (Schr.) Ehr.	A,B
<i>Closterium aerolatum</i> Wood	J
<i>Closterium angustatum</i> Kütz.	A
<i>Closterium archerianum</i> Cl.	A
<i>Closterium calosporum</i> Witttr.	A
<i>Closterium costatum</i> Corda	A
<i>Closterium cynthia</i> DeNot.	A
<i>Closterium decussatum</i> Kütz.	B
<i>Closterium delpontei</i> Klebs.	F
<i>Closterium dianae</i> Ehr.	A,B,F,J
<i>Closterium dianae</i> var. <i>acutum</i>	A,B
<i>Closterium didymotocum</i> Corda	A
<i>Closterium ehrenbergii</i> Meneg.	A,B
<i>Closterium ensis</i> Delp.	B
<i>Closterium intermedium</i> Ralfs	A
<i>Closterium juncidum</i> Ralfs	A,B,F
<i>Closterium juncidum</i> var. <i>elongatum</i>	
Roy & Biss.	A

Table 1 continued.

<i>Closterium kuetzingii</i> Bréb.	A,F
<i>Closterium lanceolatum</i> Kütz.	A,B
<i>Closterium laterale</i> Nords.	A
<i>Closterium lineatum</i> Ehr.	A,B
<i>Closterium litorale</i> Gay	B
<i>Closterium lunula</i> Reinsch	A
<i>Closterium macilentum</i> Bréb.	A,B
<i>Closterium moniliforme</i> (Bory) Ehr.	A,B
<i>Closterium parvulum</i> Naeg.	A,F
<i>Closterium prelongum</i> (Bréb.) Delph.	J
<i>Closterium pseudodiane</i> Roy	A
<i>Closterium pusillum</i> Hantz.	A
<i>Closterium ralfsii</i> var. <i>hybridum</i> Rabh.	A
<i>Closterium rostratum</i> Ehr.	A,B,F
<i>Closterium striolatum</i> Ehr.	A,B,F
<i>Closterium venus</i> Kütz.	A
<i>Closterium</i> sp.	A,B,F
<i>Cosmarium amoenum</i> Bréb.	A
<i>Cosmarium angulosum</i> Bréb.	A
<i>Cosmarium angulosum</i> var. <i>concinnum</i> West & West	A
<i>Cosmarium bioculatum</i> Bréb.	A
<i>Cosmarium boeckii</i> Wille	A
<i>Cosmarium botrytis</i> Menegh.	A,B
<i>Cosmarium broomii</i> Thw.	A
<i>Cosmarium cambicum</i> Arch.	B
<i>Cosmarium circulare</i> Reinsch	A
<i>Cosmarium connatum</i> Bréb.	A
<i>Cosmarium constrictum</i> Delponte	B,E
<i>Cosmarium contractum</i> f. <i>jacobsenii</i> Roy	A
<i>Cosmarium costatum</i> Nords.	A
<i>Cosmarium crenatum</i> Ralfs	A,F
<i>Cosmarium cucumis</i> (Corda) Ralfs	A
<i>Cosmarium denticulatum</i> f. <i>borgei</i>	A
<i>Cosmarium depresso</i> (Bréb.) Ralfs	A
<i>Cosmarium difficile</i> Lutkem	A
<i>Cosmarium elegantissimum</i> f. <i>minor</i> West	A
<i>Cosmarium eloisianum</i> var. <i>depresso</i> West & West	A
<i>Cosmarium excavatum</i> Ralfs	A
<i>Cosmarium furcatospermum</i> West & West	A
<i>Cosmarium hamperi</i> var. <i>protuberance</i> West & West	A
<i>Cosmarium intermedium</i> Delp.	B
<i>Cosmarium istmochondrum</i> Nordst.	A
<i>Cosmarium margaritatum</i> (Lund) Roy & Biss.	A,B
<i>Cosmarium margaritiferum</i> Meneg.	A,B
<i>Cosmarium melanosporum</i> Arch.	A
<i>Cosmarium meneghinii</i> Bréb.	A,B
<i>Cosmarium meneghinii</i> var. <i>concinnum</i> Rabh.	E
<i>Cosmarium moniliforme</i> (Bory) Ehr.	A,B
<i>Cosmarium moniliforme</i> f. <i>punctata</i> Lager.	A
<i>Cosmarium nitidulum</i> DeNot.	A
<i>Cosmarium norvegicum</i> Strom.	A
<i>Cosmarium obtusatum</i> Schmidle	A
<i>Cosmarium ochthodes</i> Nord.	B
<i>Cosmarium oculiferum</i> Lagh.	A,K

Table 1 continued.

<i>Cosmarium orbiculatum</i> Ralfs	A
<i>Cosmarium ornatum</i> Ralfs	A
<i>Cosmarium orthostichum</i> Lund	A
<i>Cosmarium orthostichum</i> var. <i>pumilum</i> Lund	A
<i>Cosmarium ovale</i> Ralfs	A,B
<i>Cosmarium phaseolus</i> Bréb.	A
<i>Cosmarium phaseolus</i> var. <i>elevatum</i> Nords.	A
<i>Cosmarium portianum</i> Arch.	A
<i>Cosmarium protactum</i> (Naeg.) D.By.	A
<i>Cosmarium pseudamoenum</i> Wille	A
<i>Cosmarium pseudamoenum</i> var. <i>basilare</i> Nords.	A
<i>Cosmarium pseudoconnatum</i> Nords.	A
<i>Cosmarium pseudopyramidatum</i> Lund	A
<i>Cosmarium punctulatum</i> Bréb.	A
<i>Cosmarium punctulatum</i> var. <i>subpunctulatum</i> (Nords.) Borg.	A
<i>Cosmarium pycnochondrum</i> Nord.	A
<i>Cosmarium pyramidatum</i> Bréb.	A
<i>Cosmarium quadratulum</i> (Gay) DeT.	A
<i>Cosmarium quadrifarum</i> f. <i>hexasticha</i> (Lund) Nords.	A
<i>Cosmarium quinarium</i> Lund	B
<i>Cosmarium quinarium</i> f. <i>irregularis</i> Nords.	A
<i>Cosmarium ralfsii</i> Bréb.	A,K
<i>Cosmarium refringens</i> var. <i>minor</i>	A
<i>Cosmarium reniforme</i> (Ralfs) Arch.	A
<i>Cosmarium retusum</i> (Perty) Rabh.	A,B
<i>Cosmarium speciosum</i> Lund	A
<i>Cosmarium sportella</i> Bréb.	B
<i>Cosmarium subcrenatum</i> Hantz.	A
<i>Cosmarium subcrenatum</i> var. <i>istmochondrum</i>	A
<i>Cosmarium subcucumis</i> Schmidle	A
<i>Cosmarium subexcavatum</i> var. <i>ordinatum</i> West & West	A
<i>Cosmarium subspeciosum</i> var. <i>validius</i> Nords.	A
<i>Cosmarium supraspeciosum</i> Wolle	A
<i>Cosmarium tetraophthalmum</i> (Kütz.) Bréb.	A,B,F,K
<i>Cosmarium tinctum</i> Ralfs	A,B
<i>Cosmarium trachypleurum</i> var. <i>minus</i> Racib.	A
<i>Cosmarium tumidum</i> Lund	A
<i>Cosmarium turpinii</i> Bréb.	A
<i>Cosmarium turpinii</i> var. <i>exmium</i> West & West	A
<i>Cosmarium undulatum</i> Corda	A,B
<i>Cosmarium undulatum</i> var. <i>crenulatum</i>	E
<i>Cosmarium venustum</i> (Bréb.) Arch.	A
<i>Cosmarium viride</i> (Corda) Josh.	A
<i>Cosmarium viride</i> var. <i>glabra</i> (Josh.) West & West	A
<i>Cosmarium</i> sp.	A,B,E,F,K
<i>Desmidium coarctatum</i> Nords.	A
<i>Desmidium coarctatum</i> var. <i>cambicum</i> West	A
<i>Desmidium cylindricum</i> Grev.	A
<i>Desmidium quadratum</i> Nords.	A

Table 1 continued.

<i>Desmidium swartzii</i> Ag.	A,B
<i>Desmidium swartzii</i> var. <i>amblyodon</i> (Itz.) Rabh.	A
<i>Desmidium</i> sp.	A,B
<i>Dociodium nobile</i> Rich.	B
<i>Dociodium</i> sp.	A
<i>Euastrum aboense</i> Elfv.	A
<i>Euastrum affine</i> Ralfs	A
<i>Euastrum americanum</i> Ehr.	A
<i>Euastrum ansatum</i> Ralfs	A,B
<i>Euastrum bidentatum</i> Naeg.	A
<i>Euastrum binale</i> (Turp.) Ralfs	A
<i>Euastrum binale</i> f. <i>gutwinski</i> Schmidle	A
<i>Euastrum crassum</i> (Bréb.) Kütz.	A,B
<i>Euastrum denticulatum</i> (Kirch.) Gay	A
<i>Euastrum didelta</i> (Turp.) Ralfs	A,B
<i>Euastrum elegans</i> (Bréb.) Kütz.	A,B
<i>Euastrum elegans</i> var. <i>novae semliae</i> Wille	A
<i>Euastrum everettense</i> Wolle	A,B,F
<i>Euastrum gemmatum</i> Bréb.	A
<i>Euastrum humerosum</i> Ralfs	A
<i>Euastrum insulare</i> (Witt.) Roy	A
<i>Euastrum obesum</i> Josh.	A
<i>Euastrum pinnatum</i> Ralfs	A,B
<i>Euastrum pulchellum</i> Bréb.	A,B
<i>Euastrum spinosum</i> Ralfs	A
<i>Euastrum verrucosum</i> Ehr.	A
<i>Euastrum verrucosum</i> var. <i>rhombeum</i> Lund	A
<i>Euastrum</i> sp.	A,B
<i>Genicularia</i> sp.	A
<i>Gonatozygon brebissonii</i> DeBary	A
<i>Gonatozygon</i> sp.	A
<i>Gymnozyga brebissonii</i>	A,B,F
<i>Gymnozyga moniliformis</i> Ehr.	A
<i>Gymnozyga</i> sp.	A
<i>Hyalotheca dissiliens</i> (Sm.) Bréb.	A,B,F
<i>Hyalotheca mucosa</i> (Dillw.) Ehr.	A,B
<i>Hyalotheca undulata</i> Nords.	A
<i>Hyalotheca</i> sp.	B
<i>Mesotaenium</i> sp.	A
<i>Micrasterias americana</i> (Ehr.) Ralfs	A
<i>Micrasterias apiculata</i> (Ehr.) Menegh.	A
<i>Micrasterias apiculata</i> var. <i>brachyptera</i> (Lund) Nob.	A
<i>Micrasterias conferta</i> Lund	A,B,F
<i>Micrasterias denticulata</i> Bréb.	A
<i>Micrasterias depauperata</i> var. <i>wollei</i> Cush.	A
<i>Micrasterias fimbriata</i> Ralfs	A
<i>Micrasterias furcata</i> (Ag.) Ralfs	A,B
<i>Micrasterias muricata</i> (Bail.) Ralfs	A
<i>Micrasterias oscitans</i> Ralfs	A
<i>Micrasterias papillifera</i> Bréb.	A
<i>Micrasterias papillifera</i> f. <i>major</i>	A
<i>Micrasterias pinnatifida</i> (Kütz.) Ralfs	A
<i>Micrasterias radiata</i> Hass.	A
<i>Micrasterias rotata</i> (Grev.) Ralfs	A,B,F
<i>Micrasterias sol</i> (Ehr.) Kütz.	A

Table 1 continued.

<i>Micrasterias sol</i> var. <i>ornata</i> Nords.	A
<i>Micrasterias truncata</i> (Corda) Bréb.	A
<i>Micrasterias</i> sp.	A,B
<i>Mougeotia capucina</i> (Bory) Ag.	A,B,F
<i>Mougeotia crass</i> Wolle	A
<i>Mougeotia genuflexa</i> (Dellw.) Ag.	A,B
<i>Mougeotia genuflexa</i> var. <i>gracilis</i> Reinsch	A
<i>Mougeotia laetevirens</i> (Br.) Wittr.	B
<i>Mougeotia parvula</i> Hass.	A,B,F
<i>Mougeotia</i> sp.	A,B,E,F,H,K
<i>Netrium digitus</i> (Ehr.) Itz. & Rothe	A
<i>Netrium digitus</i> var. <i>constrictum</i> West	A
<i>Netrium interruptum</i> (Bréb.) Luetk.	A
<i>Netrium nagelli</i> (Bréb.) Nob.	A
<i>Netrium oblongum</i> (DeBary) Lutkem.	A
<i>Netrium</i> sp.	A
<i>Onychoneum filiforme</i> (Ehr.) Roy & Biss.	A
<i>Penium closterioides</i> Ralfs	A,B
<i>Penium interruptum</i> Bréb.	B
<i>Penium margaritaceum</i> (Ehr.) Bréb.	A
<i>Penium navicula</i> Bréb.	A
<i>Penium spirostriolarum</i> Barker	A
<i>Penium</i> sp.	A
<i>Pleurotaenium coronatum</i> (Bréb.) Rabh.	A
<i>Pleurotaenium coronatum</i> var. <i>nodulosum</i> (Bréb.) West	A
<i>Pleurotaenium ehrenbergii</i> Ralfs	A,B
<i>Pleurotaenium ehrenbergii</i> var. <i>undulatum</i> Schaarschm.	A
<i>Pleurotaenium maximum</i> (Reinsch) Lund	A
<i>Pleurotaenium nodosum</i> (Bail.) Lund	A,B
<i>Pleurotaenium trabecula</i> (Ehr.) Naeg.	A
<i>Pleurotaenium trabecula</i> var. <i>rectum</i> Delp.	A
<i>Pleurotaenium truncatum</i> (Bréb.) Naeg.	A,B
<i>Pleurotaenium</i> sp.	A,B
<i>Sirogonium sticticum</i> Kütz.	B
<i>Sphaerozosma filiforme</i> (Ehr.) Ralfs	A,B
<i>Sphaerozosma granulatum</i> Roy & Biss.	A
<i>Sphaerozosma pulchrum</i> Bail.	A
<i>Sphaerozosma wallichii</i> var. <i>anglicum</i> West & West	A
<i>Sphaerozosma</i> sp.	A
<i>Spirogyra bellis</i> (Hassal) Cl.	B
<i>Spirogyra cateniformis</i> Hass.	B
<i>Spirogyra communis</i> (Hass.) Kütz.	A,B,F
<i>Spirogyra crassa</i> Kütz.	A,B
<i>Spirogyra decimina</i> (Müll.) Kütz.	A,B
<i>Spirogyra dubia</i> Kütz.	A,B,G,K
<i>Spirogyra ellipsospora</i> Trans.	J
<i>Spirogyra fluviatilis</i> Hilse ex Rabh.	E,G
<i>Spirogyra formosa</i> (Trans.) Czur.	A
<i>Spirogyra grevilleana</i> (Hass.) Kütz.	A,B,J
<i>Spirogyra inflata</i> (Vauch.) Kütz.	A,B,F
<i>Spirogyra insignis</i> (Hass.) Kütz.	B
<i>Spirogyra jugalis</i> (Fl. Dan.) Kütz.	A

Table 1 continued.

<i>Spirogyra lutetiana</i> Petit	A,B
<i>Spirogyra neglecta</i> (Hass.) Kütz.	A,B
<i>Spirogyra parvula</i> (Trans.) Czurda	A
<i>Spirogyra porticalis</i> (Müll.) Cl.	A,B
<i>Spirogyra varians</i> (Hass.) Kütz.	A,B,J
<i>Spirogyra varians</i> var. <i>minor</i> Teodor.	J
<i>Spirogyra weberi</i> Kütz.	A,B,F,J,K
<i>Spirogyra</i> sp.	A,B,E,H,J,K
<i>Spiroteanium</i> sp.	A
<i>Staurastrum aculeatum</i> (Ehr.) Meneg.	A
<i>Staurastrum alternans</i> Bréb.	A
<i>Staurastrum anatinum</i> Cooke & Wills	A
<i>Staurastrum anatinum</i> var. <i>lagerheimii</i> (Schm.) West & West	A
<i>Staurastrum anatinum</i> var. <i>truncatum</i> West	A
<i>Staurastrum arctiscon</i> (Ehr.) Lund	A,B
<i>Staurastrum brasiliense</i> var. <i>lundellii</i> West & West	A
<i>Staurastrum cerastes</i> Lund	A
<i>Staurastrum concinnum</i>	A
<i>Staurastrum cornutum</i> Arch.	A
<i>Staurastrum coronulatum</i> Wolle	A
<i>Staurastrum crenulatum</i> (Naeg.) Delp.	A
<i>Staurastrum cuspidatum</i> Bréb.	A
<i>Staurastrum cuspidatum</i> var. <i>divergens</i> Nords.	A
<i>Staurastrum dilatatum</i> Ehr.	A
<i>Staurastrum echinatum</i> Bréb.	A
<i>Staurastrum eustephanum</i> (Ehr.) Ralfs	B
<i>Staurastrum furcatum</i> (Ehr.) Bréb.	A
<i>Staurastrum gladiosum</i> Turn.	A
<i>Staurastrum gracile</i> Ralfs	A,B
<i>Staurastrum gracile</i> var. <i>coronulatum</i> Boldt	A
<i>Staurastrum grallatorium</i> Nord.	A,B
<i>Staurastrum grande</i> Bulnh.	A
<i>Staurastrum hexacerum</i> (Ehr.) Wittr.	A
<i>Staurastrum limneticum</i> var. <i>cornutum</i> G. M. Sm.	A
<i>Staurastrum macrocerum</i> Wolle	A,B
<i>Staurastrum margaritaceum</i> (Ehr.) Meneg.	A
<i>Staurastrum muticum</i> Bréb.	A,B,F
<i>Staurastrum natalor</i> West	A
<i>Staurastrum natalor</i> var. <i>crassum</i> West & West	A
<i>Staurastrum ophiura</i> Lund	A,B
<i>Staurastrum orbiculare</i> Ralfs	B
<i>Staurastrum orbiculare</i> var. <i>ralfsii</i> West & West	A
<i>Staurastrum paradoxum</i> Meyen	A
<i>Staurastrum polymorphum</i> Bréb.	A
<i>Staurastrum polymorphum</i> var. <i>pusillum</i> West	A
<i>Staurastrum polytrichum</i> Perty	A
<i>Staurastrum pseudofurcigerum</i> Reinsch	A
<i>Staurastrum punctulatum</i> Bréb.	A
<i>Staurastrum pygmaceum</i> Bréb.	A,B
<i>Staurastrum quaternium</i> Wolle	A
<i>Staurastrum rotula</i> Nords.	B
<i>Staurastrum sebaldi</i> Reinsch	B
<i>Staurastrum setigerum</i> Cl.	A

Table 1 continued.

<i>Staurastrum spongiosum</i> Bréb.	A
<i>Staurastrum tetracerum</i> Ralfs	A
<i>Staurastrum vestitum</i>	A
<i>Staurastrum</i> sp.	A,B
<i>Triploceras gracile</i> Bail.	A,B
<i>Triploceras verticillatum</i> Bail.	A,B
<i>Triploceras</i> sp.	A
<i>Xanthidium antilopaeum</i> (Bréb.) Kütz.	A
<i>Xanthidium antilopaeum</i> var. <i>hebridarum</i> West & West	A
<i>Xanthidium antilopaeum</i> var. <i>laeve</i> Schmidle	A
<i>Xanthidium antilopaeum</i> var. <i>polymazum</i> Nords.	A
<i>Xanthidium armatum</i> var. <i>fissum</i> Nords.	A
<i>Xanthidium columbianum</i> Wolle	A
<i>Xanthidium cristatum</i> (Bréb.) Ralfs	A,F
<i>Xanthidium cristatum</i> var. <i>uncinatum</i> Bréb.	A
<i>Xanthidium subhastiferum</i> West	A
<i>Zygnema chalybeospermum</i> Hansg.	J
<i>Zygnema cruciatum</i> Vauch.	A,B
<i>Zygnema ericerorum</i> Kütz.	A
<i>Zygnema insigne</i> (Hass.) Kütz.	A,B,F,J
<i>Zygnema laetevirens</i> Klebs.	A
<i>Zygnema pectinatum</i> (Vauch.) Ag.	A,B
<i>Zygnema sterile</i> Trans.	E
<i>Zygnema</i> sp.	A,B,E,H,J
<i>Zygogonium</i> sp.	A
Class Charophyceae	
<i>Chara contraria</i> A.Br.	C
<i>Chara foetida</i> L.	H
<i>Chara</i> cf. <i>fragilis</i> Desvaux	H
<i>Chara vulgaris</i> L.	B
<i>Chara</i> sp.	A,B,F,J,K
<i>Nitella subglomerata</i>	A
DIVISION CHRYSOPHYTA	
Class Chrysophyceae	
Order Chromulinales	
<i>Chromulina chionophila</i> Stein	K
<i>Hydrurus foetidus</i> (Vill.) Trev.	A,B
Order Ochromonadales	
<i>Chrysosphaerella longispina</i> Lauter.	A
<i>Dinobryon bavaricum</i> Imhof	A
<i>Dinobryon cylindricum</i> Imhof	B
<i>Dinobryon divergens</i> Imhof	A
<i>Dinobryon sertularia</i> Ehr.	A,B
<i>Dinobryon sociale</i> Ehr.	A
<i>Dinobryon sociale</i> var. <i>americanum</i> (Brunn.) Bach.	A
<i>Dinobryon</i> sp.	A,B,K
<i>Mallomonas acarooides</i> Perty	A
<i>Mallomonas caudata</i> Iwan.	A

Table 1 continued.

<i>Mallomonas pseudocoronata</i> Pres.	A
<i>Mallomonas tonsurata</i> Teil.	A
<i>Synura uvella</i> Ehr.	A
<i>Synura</i> sp.	A
<i>Uroglonopsis american</i> (Calkins) Lemm.	A
Class Xanthophyceae	
Order Mischococcales	
<i>Characiopsis acuta</i> (A.Br.) Borzi	B
<i>Characiopsis cylindrica</i> (Lamb.) Lemm.	A
<i>Characiopsis longipes</i> (Rabh.) Borzi	B
<i>Characiopsis nageli</i> A.Br.	A
<i>Chlorobotrys regularis</i> (W.West) Bohl.	A
<i>Chlorocloster</i> sp.	A
<i>Gloeobotrys</i> sp.	A
<i>Ophiocytium capitatum</i> Wolle	A,B
<i>Ophiocytium cochleare</i> (Eich.) A.Br.	A,B,F,K
<i>Ophiocytium cuspidatum</i> (Bail.) Rabh.	A,K
<i>Ophiocytium gracilipes</i> (Br.) Rabh.	A
<i>Ophiocytium majus</i> Naeg.	A,K
<i>Ophiocytium parvulum</i> (Perty) A.Br.	A,K
<i>Ophiocytium</i> sp.	B
Order Tribonematales	
<i>Tribonema bombycinum</i> (Ag.) Derb. & Sol.	A,B,F,J,K
<i>Tribonema bombycinum</i> var. <i>tenue</i> Haz.	A,B,G,J
<i>Tribonema minor</i> (Wille) Haz.	A,J
<i>Tribonema minus</i> Haz.	A,B,K
<i>Tribonema utriculosum</i> Haz.	A,B,J,K
<i>Tribonema</i> sp.	A,B,F
Order Vaucherales	
<i>Vaucheria borealis</i> Hirn.	A,B
<i>Vaucheria geminata</i> (Vauch.) DeCand.	A,B,D,J,K
<i>Vaucheria geminata</i> var. <i>racemosa</i>	K
<i>Vaucheria hamata</i> Vauch.	A,B
<i>Vaucheria orthocarpa</i> Reinsch	G
<i>Vaucheria sessilis</i> Vauch.	A,B,K
<i>Vaucheria sessilis</i> var. <i>clavata</i> (Vauch.) DeCand.	A,B,K
<i>Vaucheria terrestris</i> Lyngb.	B
<i>Vaucheria uncinata</i> Kütz.	B
<i>Vaucheria woroniniana</i> Hur.	B
<i>Vaucheria</i> sp.	A,B,F,J
Class Bacillariophyceae	
<i>Achnanthes affinis</i> Grun.	A,E
<i>Achnanthes</i> cf. <i>atomus</i> var. <i>congolensis</i> Hust.	G
<i>Achnanthes austriaca</i> Hust.	B
<i>Achnanthes austriaca</i> var. <i>helvetica</i> Hust.	A
<i>Achnanthes biasolettiana</i> (Kütz.) Grun.	A
<i>Achnanthes bottnica</i> (Cl.) Cl.	F,G
<i>Achnanthes chilensis</i> var. <i>subaequalis</i> Reim.	A,E

Table 1 continued.

<i>Achnanthes clevei</i> Grun.	A,E
<i>Achnanthes clevei</i> var. <i>rostrata</i> Hust.	A,B
<i>Achnanthes coarctata</i> (Bréb.) Grun.	E,J,K
<i>Achnanthes conspicua</i> A.May.	A,H
<i>Achnanthes cottoriensis</i> Foged	G
<i>Achnanthes crenulata</i> Grun.	H
<i>Achnanthes deflexa</i> Reim.	A,B,E
<i>Achnanthes delicatula</i> (Kütz.) Grun.	A
<i>Achnanthes didyma</i> Hust.	A
<i>Achnanthes exigua</i> Grun.	A,B,C,D,E,F, G,H
<i>Achnanthes exigua</i> var. <i>heterovalvata</i> Krass.	A,F,G
<i>Achnanthes flexella</i> (Kütz.) Brun.	B,E
<i>Achnanthes gibberula</i> Grun.	A,G
<i>Achnanthes hauckiana</i> Grun.	A,B,G
<i>Achnanthes hauckiana</i> var. <i>rostrata</i> Schultz	A
<i>Achnanthes hungarica</i> (Grun.) Grun.	A,E,H
<i>Achnanthes kryophila</i> Peters.	A
<i>Achnanthes lanceolata</i> (Bréb.) Grun.	A,B,C,D,E,F, G,H,J,K
<i>Achnanthes lanceolata</i> var. <i>dubia</i> Grun.	A,B,E,F,G, J,K
<i>Achnanthes lanceolata</i> var. <i>hynaldii</i> (Sch.) Cl.	B
<i>Achnanthes lanceolata</i> var. <i>omissa</i> Reim.	B
<i>Achnanthes laterostrata</i> Hust.	A
<i>Achnanthes levanderi</i> Hust.	A
<i>Achnanthes lewisiana</i> Patr.	A,E
<i>Achnanthes linearis</i> (W.Sm.) Grun.	A,B,D,E,G, H,K
<i>Achnanthes linearis</i> f. <i>curta</i> H.Sm.	A,B,H
<i>Achnanthes linearis</i> var. <i>pusilla</i> Grun.	A
<i>Achnanthes marginulata</i> Grun.	A,B
<i>Achnanthes microcephala</i> (Kütz.) Grun.	A,E
<i>Achnanthes minutissima</i> Kütz.	A,B,D,E,F,G, H,J,K
<i>Achnanthes minutissima</i> var. <i>cryptocephala</i> Grun.	A
<i>Achnanthes</i> cf. <i>nodosa</i> A.Cl.	A
<i>Achnanthes orientalis</i> Petit	A
<i>Achnanthes peragalli</i> Brun. & Herib.	B
<i>Achnanthes peragalli</i> var. <i>fossilis</i> Temp. & Perag.	A
<i>Achnanthes pinnata</i> Hust.	A
<i>Achnanthes saxonica</i> Krass.	A
<i>Achnanthes similis</i> Hust.	G
<i>Achnanthes simplex</i> Hust.	G
<i>Achnanthes</i> cf. <i>subhudsonis</i> Hust.	G
<i>Achnanthes sublaevis</i> Hust.	A
<i>Achnanthes sublaevis</i> var. <i>crassa</i> Reim.	A,B
<i>Achnanthes</i> cf. <i>submarina</i> Hust.	G
<i>Achnanthes suchlandti</i> Hust.	A
<i>Achnanthes tropica</i> Hust.	G
<i>Achnanthes</i> sp.	A,B,D
<i>Actinocyclus</i> cf. <i>ingens</i> Rattray	A
<i>Amphicampa hemicyclus</i> (Ehr.) Karsten	B
<i>Amphicampa</i> sp.	A
<i>Amphipleura pellucida</i> Kütz.	A,B,F,G,K
<i>Amphipleura rutilans</i> (Trent.) Cl.	A

Table 1 continued.

<i>Amphiprora alata</i> (Ehr.) Kütz.	A,B,F,G
<i>Amphiprora</i> sp.	A
<i>Amphora acutiuscula</i> Kütz.	G,H
<i>Amphora arcus</i> var. <i>sulcata</i> (A. Schm.) Cl.	G
<i>Amphora coffeaeformis</i> (Ag.) Kütz.	A,B,C,E,F,G, H,I,K
<i>Amphora coffeaeformis</i> var. <i>fossilis</i> (Pant.) Cl.	G
<i>Amphora coffeaeformis</i> var. <i>perpusilla</i> Grun.	G
<i>Amphora cognata</i> Choln.	B
<i>Amphora commutata</i> Grun.	G
<i>Amphora crassa</i> Greg.	I
<i>Amphora cymbifera</i> Greg.	I
<i>Amphora delicatissima</i> Krass.	C
<i>Amphora hyalina</i> Kütz.	G,I
<i>Amphora libyca</i> Ehr.	C
<i>Amphora macilenta</i> Greg.	G
<i>Amphora marina</i> (W. Sm.) V. H.	A
<i>Amphora normani</i> Rabh.	A,B,D
<i>Amphora ovalis</i> (Kütz.) Kütz.	A,B,C,D,E,F, G,H,I,K
<i>Amphora ovalis</i> var. <i>affinis</i> (Kütz.) V. H. ex DeT.	A,B,D,G,K
<i>Amphora ovalis</i> var. <i>pediculus</i> (Kütz.) V. H.	A,B,E,F,G
<i>Amphora pellucida</i> Greg.	I
<i>Amphora perpusilla</i> Grun.	A,B,D,E,G, H,K
<i>Amphora proteus</i> Greg.	G,I
<i>Amphora proteus</i> var. <i>oculata</i> Perag.	G
<i>Amphora tenuissima</i> Hust.	G
<i>Amphora veneta</i> Kütz.	A,B,E,F,G,H
<i>Amphora</i> sp.	A,H
<i>Anomoeoneis costata</i> (Kütz.) Hust.	A,B,E
<i>Anomoeoneis exilis</i> var. <i>lanceolata</i> A. May.	A
<i>Anomoeoneis follis</i> (Ehr.) Cl.	G
<i>Anomoeoneis polygramma</i> (Ehr.) Cl.	K
<i>Anomoeoneis sculpta</i> (Ehr.) Pfitz.	K
<i>Anomoeoneis serians</i> (Bréb.) Cl.	A
<i>Anomoeoneis serians</i> var. <i>acuta</i> Hust.	A
<i>Anomoeoneis serians</i> var. <i>brachysira</i> (Bréb.) Cl.	A,B
<i>Anomoeoneis sphaerophora</i> (Kütz.) Pfitz.	A,B,C,F,G, H,J,K
<i>Anomoeneis sphaerophora</i> var. <i>guentheri</i> O. Müll.	A
<i>Anomoeneis sphaerophora</i> f. <i>costata</i> (Kütz.) A. Schmid	G
<i>Anomoeneis vitrea</i> (Grun.) Ross	A,B,E,F,G
<i>Anomoeneis zellensis</i> (Grun.) Cl.	A,E
<i>Anomoeneis zellensis</i> f. <i>difficilis</i> (Grun.) Hust.	A
<i>Anomoeneis</i> sp.	A,D
<i>Asterionella formosa</i> Hass.	A,B,K
<i>Asterionella</i> sp.	A,K
<i>Bacillaria paradoxa</i> Gmel. (see <i>Bacillaria Paxillifer</i>)	

Table 1 continued.

<i>Bacillaria paxillifer</i> (O. Müll.) Hend. (= <i>Bacillaria paradoxa</i>)	A,F,G,H
<i>Biddulphia laevis</i> Ehr.	A,C,H
<i>Brachysira aponina</i> Kütz.	G
<i>Brachysira exilis</i> (Kütz.) Round & Mann	G
<i>Brachysira exilis</i> f. <i>undulata</i> Kisselov	G
<i>Brebissonia boechii</i> (Ehr.) Grun.	A
<i>Caloneis alpestris</i> (Grun.) Cl.	E
<i>Caloneis amphisbaena</i> (Bory) Cl.	A,B,C,E,G, H,I,K
<i>Caloneis bacillaris</i> (Greg.) Cl.	G
<i>Caloneis bacillaris</i> var. <i>thermalis</i> (Grun.) A. Cl.	A,F,G
<i>Caloneis bacillum</i> (Grun.) Cl.	A,B,D,E,F, G,K
<i>Caloneis fenzlii</i> (Grun.) Patr.	A
<i>Caloneis fenzlioides</i> Cl.-Eul.	A
<i>Caloneis formosa</i> (Greg.) Cl.	K
<i>Caloneis hyalina</i> Hust.	A
<i>Caloneis lamella</i> Zakr.	A
<i>Caloneis lewisi</i> Patr.	A,B
<i>Caloneis lewisi</i> var. <i>inflata</i> (Schultze) Patr.	A
<i>Caloneis limosa</i> (Kütz.) Patr.	A
<i>Caloneis oregonica</i> (Ehr.) Patr.	A
<i>Caloneis permagna</i> (J. W. Bail.) Cl.	A
<i>Caloneis schumanniana</i> (Grun.) Cl.	A
<i>Caloneis schumanniana</i> var. <i>fasciata</i> Hust.	A
<i>Caloneis schumanniana</i> var. <i>linearis</i> Hust.	A
<i>Caloneis silicula</i> (Ehr.) Cl.	A
<i>Caloneis silicula</i> var. <i>limosa</i> (Kütz.) V. Land.	A
<i>Caloneis silicula</i> var. <i>minuta</i> (Grun.) Cl.	K
<i>Caloneis ventricosa</i> (Ehr.) Meist.	A,B,E,G
<i>Caloneis ventricosa</i> var. <i>alpina</i> (Cl.) Patr.	B,E
<i>Caloneis ventricosa</i> var. <i>subundulata</i> (Grun.) Patr.	A
<i>Caloneis ventricosa</i> var. <i>truncatula</i> (Grun.) Meist.	A,B,H,K
<i>Caloneis westii</i> (W. Sm.) Hend.	G
<i>Caloneis</i> sp.	A,F
<i>Campylodiscus alaetus</i> Setty	I
<i>Campylodiscus bicostata</i> W. Sm.	I
<i>Campylodiscus clypeus</i> Ehr.	A,C,G
<i>Campylodiscus ehrenbergii</i> Ralfs	I
<i>Campylodiscus hibernicus</i> Ehr.	A,I
<i>Campylodiscus noricus</i> Ehr.	I
<i>Campylodiscus</i> sp.	A
<i>Ceratoneis arcus</i> (Ehr.) Kütz.	B
<i>Chaetoceros amanita</i> Cl.-Eul.	G
<i>Chaetoceros elmorei</i> Boyer	A
<i>Chaetoceros muelleri</i> Lemm.	C,K
<i>Chaetoceros</i> sp.	A
<i>Cocconeis</i> (= <i>Cymbella</i>) sp.	A,C
<i>Cocconeis diminuta</i> Pant.	A,B,F,G
<i>Cocconeis disculus</i> (Schum.) Cl.	A,B,D
<i>Cocconeis finnica</i> Ehr.	C

Table 1 continued.

<i>Coccneis fluvialis</i> Wall.	A
<i>Coccneis lineata</i> Ehr.	I, K
<i>Coccneis mormonorum</i> Ehr.	C
<i>Coccneis pediculus</i> Ehr.	A, B, C, D, E, F, G, J, K
<i>Coccneis placentula</i> Ehr.	A, B, C, G, H, I, K
<i>Coccneis placentula</i> var. <i>euglypta</i> (Ehr.) Grun.	A, B, C, D, E, G, K
<i>Coccneis placentula</i> var. <i>lineata</i> (Ehr.) V.H.	A, B, D, E, F, G, K
<i>Coccneis rugosa</i> Sov.	B
<i>Coccneis scutellum</i> Ehr.	I
<i>Coccneis</i> sp.	A, B
<i>Coscinodiscus apiculatus</i> Ehr.	K
<i>Coscinodiscus argus</i> Ehr.	A
<i>Coscinodiscus disciformis</i> Setty	I
<i>Coscinodiscus elegans</i> Grev.	I
<i>Coscinodiscus lacustris</i> Grun.	A
<i>Coscinodiscus marginulatus</i> var. <i>campeachiana</i> Grun.	I
<i>Coscinodiscus nitidulus</i> Grun.	I
<i>Coscinodiscus occuliformis</i> Setty	I
<i>Coscinodiscus odontodiscus</i> Grun.	A
<i>Coscinodiscus porcelaineous</i> (Stod.) Setty	I
<i>Coscinodiscus rothii</i> (Ehr.) Grun.	A
<i>Coscinodiscus subtilis</i> Ehr.	C
<i>Coscinodiscus velatus</i> Ehr.	I
<i>Coscinodiscus</i> sp.	A
<i>Cosmolithus discus</i> Ehr.	C
<i>Cyclotella antiqua</i> W. Sm.	A, I
<i>Cyclotella bodanica</i> Eulen.	A, B, D
<i>Cyclotella caspia</i> Grun.	A, E
<i>Cyclotella catenata</i> (Brun.) Bach.	A
<i>Cyclotella comensis</i> Grun.	A
<i>Cyclotella comta</i> (Ehr.) Kütz.	A, B, D, I
<i>Cyclotella glomerata</i> Bachmann	B, K
<i>Cyclotella kuetzingiana</i> Thw.	A, D
<i>Cyclotella kuetzingiana</i> var. <i>planetophora</i> Fricke	A, D
<i>Cyclotella meneghiniana</i> Kütz.	A, B, C, D, F, G, H, I, J, K
<i>Cyclotella meneghiniana</i> var. <i>pumila</i> (Grun. ex V. H.) Hust.	A, G
<i>Cyclotella meneghiniana</i> f. <i>plana</i> (Fricke) Hust.	G
<i>Cyclotella michiganiana</i> Skvor.	A
<i>Cyclotella ocellata</i> Pant.	A, D
<i>Cyclotella operculata</i> (Ag.) Kütz.	K
<i>Cyclotella rotula</i> Kütz.	I
<i>Cyclotella stelligera</i> (Cl. & Grun.) V. H.	A
<i>Cyclotella striata</i> (Kütz.) Grun.	A, I, K
<i>Cyclotella striata</i> var. <i>ambigua</i> (Grun.) Grun.	A
<i>Cyclotella striata</i> var. <i>bipunctata</i> Fricke	B
<i>Cyclotella</i> sp.	A, B, D
<i>Cylindrotheca gracilis</i> (Bréb.) Grun.	A, K
<i>Cymatopleura angulata</i> Grev.	A

Table 1 continued.

<i>Cymatopleura elliptica</i> (Bréb.) W. Sm.	A, B
<i>Cymatopleura elliptica</i> var. <i>constricta</i> Grun.	A
<i>Cymatopleura solea</i> (Bréb.) W. Sm.	A, B, C, D, H, I, K
<i>Cymatopleura solea</i> var. <i>pallfyi</i> (Pant.) Cl.-Eul.	A
<i>Cymatopleura solea</i> var. <i>regula</i> (Ehr.) Grun.	A, H
<i>Cymbella affinis</i> Kütz.	A, B, D, E, F, G, H, I
<i>Cymbella amphicephala</i> Naeg. ex Kütz.	A, B, E, F, G
<i>Cymbella amphioxys</i> (Kütz.) Cl.	A
<i>Cymbella angustata</i> (W. Sm.) Cl.	A, B, F, G
<i>Cymbella aspera</i> (Ehr.) Cl.	A, B, E, I, K
<i>Cymbella bonnevillensis</i> Setty	I
<i>Cymbella brehmii</i> Hust.	A, J
<i>Cymbella cesatii</i> (Rabh.) Grun.	A
<i>Cymbella cistula</i> (Hemp.) Kirch.	A, B, D, E, F, G, K
<i>Cymbella cistula</i> var. <i>maculata</i> (Kütz.) V. H.	B, G
<i>Cymbella cuspidata</i> Kütz.	A, B
<i>Cymbella cymbiformis</i> Ag.	A, B, I
<i>Cymbella cymbiformis</i> var. <i>nonpunctata</i> Fontell	E, G
<i>Cymbella delicatula</i> Kütz.	A, E, F, G
<i>Cymbella ehrenbergii</i> Kütz.	A, B
<i>Cymbella fonticola</i> Hust.	G
<i>Cymbella gasteroides</i> (Kütz.) Kütz.	A, B, I
<i>Cymbella gracilis</i> (Ehr.) Kütz.	A, B
<i>Cymbella hebedrica</i> (Grun.) Cl.	A
<i>Cymbella heteroleura</i> (Ehr.) Kütz.	A, B
<i>Cymbella heteroleura</i> var. <i>subrostrata</i> Cl.	A
<i>Cymbella hustedtii</i> Krass.	H
<i>Cymbella inaequalis</i> (Ehr.) Rabh.	A
<i>Cymbella incerta</i> (Grun.) Cl.	E, F, G
<i>Cymbella incerta</i> var. <i>naviculacea</i> (Grun.) Cl.	E
<i>Cymbella laevis</i> Nag.	A, F, G, H
<i>Cymbella lanceolata</i> (Ehr.) V. H.	A, B, I
<i>Cymbella leptoceros</i> (Ehr.) Kütz.	F, G
<i>Cymbella lunata</i> W. Sm.	A
<i>Cymbella mexicana</i> (Ehr.) Cl.	A, B, E, H
<i>Cymbella microcephala</i> Grun.	A, B, E, F, G
<i>Cymbella microcephala</i> var. <i>crassa</i> Reim.	E
<i>Cymbella minuta</i> Hilse ex Rabh.	A, B, C
<i>Cymbella minuta</i> f. <i>latens</i> (Krass.) Reim.	A, B, E
<i>Cymbella minuta</i> var. <i>pseudogracilis</i> (Choln.) Reim.	A
<i>Cymbella minutula</i> var. <i>silesiaca</i> (Bleisch ex Rabh.) Reim.	A, B, E, K
<i>Cymbella muelleri</i> Hust.	A
<i>Cymbella muelleri</i> f. <i>ventricosa</i> (Temp. et Perag.) Reim.	A
<i>Cymbella naviculiformis</i> Auers.	A, B, D, H, K
<i>Cymbella norvegica</i> Grun.	A, E
<i>Cymbella parva</i> (W. Sm.) Wolle	B, I
<i>Cymbella perpusilla</i> A. Cl.	A, E
<i>Cymbella prostrata</i> (Berk.) Grun.	A, B, K
<i>Cymbella prostrata</i> var. <i>aeurswaldii</i> (Rabh.) Reim.	A

Table 1 continued.

<i>Cymbella protracta</i> Ost.	A
<i>Cymbella proxima</i> Reim.	A
<i>Cymbella pusilla</i> Grun.	A,B,G,H
<i>Cymbella rupicola</i> Grun.	A
<i>Cymbella sinuata</i> Greg.	A,B,F,G,J,K
<i>Cymbella subaequalis</i> f. <i>Krassekii</i> (Foged) Reim.	K
<i>Cymbella subturgida</i> Hust.	A
<i>Cymbella tumida</i> (Bréb. ex Kütz.) V.H.	A,B,I
<i>Cymbella tumidula</i> Grun. ex A.Schmidt	A,B
<i>Cymbella turgida</i> Greg.	A,B,E,I
<i>Cymbella turgidula</i> Grun.	A
<i>Cymbella uncinata</i> (Ehr.) Perag.	C
<i>Cymbella ventricosa</i> Ag.	A,B,D,E,F,G, I
<i>Cymbella</i> sp.	A,B,E,F,G,H, J
<i>Denticula elegans</i> Kütz.	A,B,E,F,G,H, I,K
<i>Denticula elegans</i> var. <i>kittoniana</i> (Grun.) DeT.	A,G
<i>Denticula elegans</i> f. <i>valida</i> Pedic.	A,D,E
<i>Denticula lauta</i> J.W.Bail.	I
<i>Denticula cf. parva</i> Hust.	G
<i>Denticula subtilis</i> Grun.	A
<i>Denticula tenuis</i> Kütz.	A,B,K
<i>Denticula tenuis</i> var. <i>crassula</i> (Naeg.) Hust.	A
<i>Denticula thermalis</i> Kütz.	I,K
<i>Denticula valida</i> (Pedicino) Grun.	I
<i>Denticula</i> sp.	A
<i>Diatoma anceps</i> (Ehr.) Kirchn.	A,B
<i>Diatoma anceps</i> var. <i>linearis</i> M.Perag.	B
<i>Diatoma elongatum</i> (Lyngb.) Ag.	A,B
<i>Diatoma hiemale</i> (Lyngb.) Heib.	A,B
<i>Diatoma hiemale</i> var. <i>mesodon</i> (Ehr.) Fricke	A,B,C,D,E, G,J,K
<i>Diatoma tenue</i> Ag.	A,B,H
<i>Diatoma tenue</i> var. <i>elongatum</i> Lyngb.	A,B,C,D,H
<i>Diatoma vulgare</i> Bory	A,B,C,D,E, G,K
<i>Diatoma vulgare</i> var. <i>breve</i> Grun.	A,B,H
<i>Diatoma vulgare</i> var. <i>grande</i> (W.Sm.) Grun.	A
<i>Diatoma</i> sp.	A,B
<i>Diatomella balfouriana</i> (W.Sm.) Grev.	A,I
<i>Diploneis didyma</i> (Ehr.) Ehr.	C
<i>Diploneis elliptica</i> (Kütz.) Cl.	A,B,F,G,I,K
<i>Diploneis interrupta</i> (Kütz.) Cl.	A,E,G,I,K
<i>Diploneis marginestriata</i> Hust.	A,G
<i>Diploneis oblongella</i> (Naeg. ex Kütz.) Ross	A,B,D,E,G,K
<i>Diploneis oculata</i> (Bréb.) Cl.	A,K
<i>Diploneis ovalis</i> (Hilse.) Cl.	E,K
<i>Diploneis pseudovalvis</i> Hust.	A,B
<i>Diploneis puella</i> (Schum.) Cl.	A
<i>Diploneis smithii</i> (Bréb. ex W.Sm.) Cl.	A,D
<i>Diploneis smithii</i> var. <i>dilatata</i> (M.Perag.) Terry	A
<i>Diploneis smithii</i> var. <i>pumila</i> (Grun.) Hust.	A

Table 1 continued.

<i>Diploneis smithii</i> f. <i>rhombica</i> (Meresch.) Hust.	G
<i>Diploneis subovalis</i> Cl.	A,G
<i>Diploneis</i> sp.	A,D
<i>Entomoneis alata</i> (Ehr.) Ehr.	A,E,G
<i>Entomoneis ornata</i> (Bail.) Reim.	A
<i>Entomoneis paludosa</i> (W.Sm.) Reim.	A,B,G,H
<i>Entomoneis paludosa</i> var. <i>duplex</i> (Donk.) Cl.	G
<i>Entomoneis pulchra</i> (Bail.) Reim.	C
<i>Epithemia adnata</i> (Kütz.) Ross	A,B
<i>Epithemia adnata</i> var. <i>minor</i> (Perag.) et Herib.) Patr.	A,D
<i>Epithemia adnata</i> var. <i>porcellus</i> (Kütz.) Patr.	A
<i>Epithemia adnata</i> var. <i>proboscidea</i> (Kütz.) Hend.	A
<i>Epithemia adnata</i> var. <i>saxonica</i> (Kütz.) Patr.	H
<i>Epithemia argus</i> (Ehr.) Kütz.	A,B,C,E,F, I,K
<i>Epithemia argus</i> var. <i>alpestris</i> (W.Sm.) Grun.	A,I,K
<i>Epithemia argus</i> var. <i>longicornus</i> (Ehr.) Grun.	A,E
<i>Epithemia argus</i> var. <i>protracta</i> A.May.	A,E
<i>Epithemia hyndmanii</i> W.Sm.	A,I
<i>Epithemia intermedia</i> Fricke	A,K
<i>Epithemia ocellata</i> (Ehr.) Kütz.	A
<i>Epithemia smithii</i> Carr.	A
<i>Epithemia sorex</i> Kütz.	A,B,I,K
<i>Epithemia sorex</i> var. <i>gracilis</i> Hust.	K
<i>Epithemia turgida</i> (Ehr.) Kütz.	A,B,C,D,E, I,K
<i>Epithemia turgida</i> var. <i>granulata</i> (Ehr.) Brun.	A,B,K
<i>Epithemia turgida</i> var. <i>westermannii</i> (Ehr.) Grun.	A,B
<i>Epithemia ventricosa</i> Kütz.	I
<i>Epithemia zebra</i> (Ehr.) Kütz.	A,D,F,G,I,K
<i>Epithemia zebra</i> var. <i>porcellus</i> (Kütz.) Grun.	B
<i>Epithemia zebra</i> var. <i>saxonica</i> (Kütz.) Grun.	A,B,E,K
<i>Epithemia</i> sp.	A
<i>Eunotia cf. alpina</i> (Naeg.) Hust.	A
<i>Eunotia arcus</i> Ehr.	A,B,G
<i>Eunotia arcus</i> var. <i>bidens</i> Grun.	A,B,E
<i>Eunotia arcus</i> var. <i>uncinata</i> (Ehr.) Grun.	A
<i>Eunotia bigibba</i> Kütz.	B
<i>Eunotia curvata</i> (Kütz.) Lagerst.	A,B,E,F,G
<i>Eunotia curvata</i> var. <i>capitata</i> (Grun.) Patr.	A,F,G
<i>Eunotia diodon</i> Ehr.	A,B
<i>Eunotia exigua</i> (Bréb.) Rabh.	A
<i>Eunotia cf. faba</i> var. <i>densestriata</i> Öst.	A
<i>Eunotia gracilis</i> (Ehr.) Rabh.	K
<i>Eunotia hexaglyphis</i> Ehr.	A
<i>Eunotia incisa</i> Greg.	A,B,C
<i>Eunotia lapponica</i> Grun.	A
<i>Eunotia lunaris</i> (Ehr.) Bréb.	B
<i>Eunotia lunaris</i> var. <i>subarcuata</i> (Naeg.) Grun.	B

Table 1 continued.

<i>Eunotia major</i> (W.Sm.) Rabh.	A, I, K
<i>Eunotia meisteri</i> Hust.	A
<i>Eunotia minor</i> (Kütz.) Grun.	K
<i>Eunotia mira</i> var. <i>ovata</i> A. Berg.	A
<i>Eunotia monodon</i> Ehr.	A, C
<i>Eunotia mosis</i> Ehr.	C
<i>Eunotia naegelii</i> Migula	A
<i>Eunotia nymanniana</i> Grun.	A
<i>Eunotia pectinalis</i> (Dillw.) Rabh.	A, B
<i>Eunotia pectinalis</i> var. <i>minor</i> (Kütz.) Rabh.	A, B
<i>Eunotia pectinalis</i> var. <i>recta</i> A. May.	A
<i>Eunotia perpusilla</i> Grun.	B
<i>Eunotia praerupta</i> var. <i>bidens</i> (Ehr.) Grun.	A, B
<i>Eunotia praerupta</i> var. <i>inflata</i> Grun.	A, B
<i>Eunotia quaternaria</i> Ehr.	B
<i>Eunotia septentrionalis</i> Öst.	A, B
<i>Eunotia serra</i> Ehr.	B
<i>Eunotia serra</i> var. <i>diadema</i> (Ehr.) Patr.	A
<i>Eunotia sudetica</i> O. Müll.	B
<i>Eunotia suecica</i> A. Cl.	A
<i>Eunotia tenella</i> (Grun.) Hust.	A, B
<i>Eunotia tridentula</i> Ehr.	A
<i>Eunotia valida</i> Hust.	A, F, G
<i>Eunotia vanheurckii</i> Patr.	A
<i>Eunotia vanheurckii</i> var. <i>intermedia</i> (Krass.) Patr.	A
<i>Eunotia veneris</i> (Kütz.) DeT.	A
<i>Eunotia</i> sp.	A
<i>Fragilaria bicapitata</i> A. May.	A
<i>Fragilaria brevistriata</i> Grun.	A, B, C, D, G, K
<i>Fragilaria brevistriata</i> var. <i>capitata</i> Herib.	A
<i>Fragilaria brevistriata</i> var. <i>inflata</i> (Pant.) Hust.	A, E, F, G
<i>Fragilaria capucina</i> Desmaz.	A, B, H, I, K
<i>Fragilaria capucina</i> var. <i>mesolepta</i> (Rabh.) Rabh.	A, B, F, G
<i>Fragilaria constricta</i> Ehr.	A
<i>Fragilaria constricta</i> f. <i>stricta</i> (A. Cl.) Hust.	A
<i>Fragilaria construens</i> (Ehr.) Grun.	A, B, C, E, F, G, I, K
<i>Fragilaria construens</i> var. <i>binodis</i> (Ehr.) Grun.	A, B, G, K
<i>Fragilaria construens</i> var. <i>pumila</i> Grun.	A
<i>Fragilaria construens</i> var. <i>subsalina</i> Hust.	G
<i>Fragilaria construens</i> var. <i>venter</i> (Ehr.) Grun.	A, B, C, D, F, G, H
<i>Fragilaria crotonensis</i> Kitton	A, B, F, G
<i>Fragilaria crotonensis</i> var. <i>oregonica</i> Sover.	A
<i>Fragilaria fremontii</i> Ehr.	C
<i>Fragilaria harrisonii</i> (W.Sm.) Grun.	B, I, K
<i>Fragilaria inflata</i> (Heid.) Hust.	G
<i>Fragilaria intermedia</i> (Grun.) Grun.	A
<i>Fragilaria lapponica</i> Grun.	A, G
<i>Fragilaria lapponica</i> var. <i>minuta</i> A. Cl.	G
<i>Fragilaria leptostauron</i> (Ehr.) Hust.	A, B, D, K
<i>Fragilaria leptostauron</i> var. <i>dubia</i> (Grun.) Hust.	A

Table 1 continued.

<i>Fragilaria mutabilis</i> (W.Sm.) Grun.	K
<i>Fragilaria pacifica</i> Grun.	I
<i>Fragilaria pinnata</i> Ehr.	A, B, C, D, E, G, K
<i>Fragilaria pinnata</i> var. <i>intercedens</i> (Grun.) Hust.	A, B
<i>Fragilaria pinnata</i> var. <i>lancettula</i> (Schum.) Hust.	A, B
<i>Fragilaria pulchella</i> Kütz.	A, B
<i>Fragilaria rhabdosoma</i> Ehr.	C
<i>Fragilaria similis</i> Krass.	A, G
<i>Fragilaria striolata</i> Ehr.	C
<i>Fragilaria turgens</i> Ehr.	C
<i>Fragilaria vaucheriae</i> (Kütz.) Peters.	A, B, C, D, E, F, G, H, K
<i>Fragilaria vaucheriae</i> var. <i>capitellata</i> (Grun.) Ross	A
<i>Fragilaria virescens</i> Ralfs	A, B, F, H, K
<i>Fragilaria</i> sp.	A, B
<i>Frustulia rhomboidea</i> (Ehr.) DeT.	A, B
<i>Frustulia rhomboidea</i> var. <i>amphipleuroidea</i> (Grun.) Cl.	A
<i>Frustulia rhomboidea</i> var. <i>capitata</i> (A. May.) Patr.	A
<i>Frustulia rhomboidea</i> var. <i>crassinervia</i> (Bréb.) Ross	A
<i>Frustulia rhomboidea</i> var. <i>saxonica</i> (Rabh.) DeT.	A
<i>Frustulia rhomboidea</i> f. <i>undulata</i> Hust.	A
<i>Frustulia vulgaris</i> (Thw.) DeT.	A, B, G, K
<i>Gomphoneis herculeana</i> (Ehr.) Cl.	A, B
<i>Gomphonema acuminatum</i> Ehr.	A, B, E
<i>Gomphonema acuminatum</i> var. <i>coronatum</i> (Ehr.) W. Sm.	B
<i>Gomphonema acuminatum</i> var. <i>turris</i> (Ehr.) Wolle	B
<i>Gomphonema affine</i> Kütz.	A, G
<i>Gomphonema affine</i> var. <i>insigne</i> (Greg.) Andrews	A, H
<i>Gomphonema angustatum</i> (Kütz.) Rabh.	A, B, C, E, F, G, H
<i>Gomphonema angustatum</i> var. <i>intermedia</i> Grun.	A
<i>Gomphonema angustatum</i> var. <i>producta</i> Grun.	B, H, K
<i>Gomphonema angustatum</i> var. <i>sarcophagus</i> (Greg.) Grun.	B
<i>Gomphonema apicatum</i> Ehr.	A
<i>Gomphonema clevei</i> Fricke	A
<i>Gomphonema constrictum</i> Ehr.	A, B, E, G
<i>Gomphonema constrictum</i> var. <i>capitata</i> (Ehr.) Grun.	B
<i>Gomphonema dichotomum</i> Kütz.	A, E, G
<i>Gomphonema elegans</i> Grun.	B
<i>Gomphonema geminatum</i> (Lyngb.) Ag.	A, B
<i>Gomphonema gracile</i> Ehr.	A, B, F, G, J
<i>Gomphonema gracile</i> var. <i>intricatiforme</i> A. May.	A
<i>Gomphonema gracile</i> f. <i>turris</i> Hust.	F, G
<i>Gomphonema grunowii</i> Patr.	A
<i>Gomphonema instabilis</i> Hohn & Hellerman	A, G

Table 1 continued.

<i>Gomphonema intricatum</i> Kütz.	A, B, D, E, F, G
<i>Gomphonema intricatum</i> cf. var. <i>fossilis</i> Pant.	G
<i>Gomphonema intricatum</i> var. <i>pumila</i> Grun.	A
<i>Gomphonema intricatum</i> var. <i>vibrio</i> (Ehr.) Cl.	A
<i>Gomphonema lalithaea</i> Setty	I
<i>Gomphonema lanceolatum</i> Ag.	A, B
<i>Gomphonema lanceolatum</i> var. <i>insignis</i> (Greg.) Cl.	F, G
<i>Gomphonema</i> cf. <i>longiceps</i> Ehr.	A
<i>Gomphonema longiceps</i> var. <i>subclavata</i> Grun.	K
<i>Gomphonema longiceps</i> var. <i>subclavata</i> f. <i>gracilis</i> Hust.	F, G
<i>Gomphonema montanum</i> Schum.	B
<i>Gomphonema navicularis</i> Setty	I
<i>Gomphonema olivaceum</i> (Lyngb.) Des.	A, B, C, D, E, F, G, H, K
<i>Gomphonema olivaceum</i> var. <i>calcarea</i> (Cl.) V.H.	A, B
<i>Gomphonema parvulum</i> (Kütz.) Kütz.	A, B, D, E, F, G, H
<i>Gomphonema parvulum</i> var. <i>micropus</i> (Kütz.) Cl.	A, B, E, G
<i>Gomphonema rhombicum</i> Fricke	B
<i>Gomphonema septum</i> Mogh.	A
<i>Gomphonema sphaerophorum</i> Ehr.	A, E, F, G
<i>Gomphonema subclavatum</i> (Grun.) Grun.	A
<i>Gomphonema subclavatum</i> var. <i>commutatum</i> (Grun.) A. May.	A, H
<i>Gomphonema subclavatum</i> var. <i>mexicanum</i> (Grun.) Patr.	A
<i>Gomphonema subtile</i> Ehr.	A
<i>Gomphonema tenellum</i> Kütz.	A
<i>Gomphonema truncatum</i> Ehr.	A, B, K
<i>Gomphonema truncatum</i> var. <i>capitatum</i> (Ehr.) Patr.	A
<i>Gomphonema truncatum</i> var. <i>turgidum</i> (Ehr.) Patr.	A
<i>Gomphonema ventricosum</i> Greg.	A
<i>Gomphonema</i> sp.	A, B, E
<i>Grammatophora stricta</i> Ehr.	C
<i>Gyrosigma acuminatum</i> (Kütz.) Rabh.	A, B, H, K
<i>Gyrosigma attenuatum</i> (Kütz.) Cl.	A
<i>Gyrosigma fasciola</i> (Ehr.) Griff. & Henfr.	A
<i>Gyrosigma obscurum</i> (W. Sm.) Griff. & Henfr.	G
<i>Gyrosigma obtusatum</i> (Sull. & Worml.) Boyer	A, B
<i>Gyrosigma spencerii</i> (W. Sm.) Griff. & Henfr.	A, B, F
<i>Gyrosigma spencerii</i> var. <i>curvula</i> (Grun.) Reim.	A, G, H
<i>Gyrosigma strigilis</i> (W. Sm.) Griff. & Henfr.	A
<i>Gyrosigma</i> sp.	A, B, C, G
<i>Hannaea arcus</i> (Ehr.) Patr.	A, B, E, K
<i>Hannaea arcus</i> var. <i>amphioxys</i> (Rabh.) Patr.	A, B, K

Table 1 continued.

<i>Hantzschia amphioxys</i> (Ehr.) Grun.	A, B, D, E, F, G, I, K
<i>Hantzschia amphioxys</i> var. <i>linearis</i> (O. Müll.) Cl.-Eul.	E
<i>Hantzschia amphioxys</i> var. <i>maior</i> Grun.	J
<i>Hantzschia amphioxys</i> var. <i>vivax</i> Grun.	B
<i>Hantzschia amphioxys</i> f. <i>capitata</i> O. Müll.	A, B, D
<i>Hantzschia distincte-punctata</i> (Hust.) Hust.	A
<i>Hantzschia virgata</i> (Roper) Grun.	A
<i>Hantzschia</i> sp.	A
<i>Hyalodiscus valens</i> A. Schmidt	I
<i>Hyalodiscus whitneyi</i> Ehr.	C, G, H
<i>Licmophora gracilis</i> (Ehr.) Grun.	J
<i>Mastogloia aquilegiae</i> Grun.	G
<i>Mastogloia braunii</i> Grun.	A, G
<i>Mastogloia elliptica</i> (Ag.) Cl.	A, G
<i>Mastogloia elliptica</i> var. <i>danseii</i> (Thw.) Cl.	A, F, G, H, I
<i>Mastogloia grevillei</i> W. Sm.	E
<i>Mastogloia pumila</i> (Cl.) Grun.	A, G
<i>Mastogloia smithii</i> Thw. ex W. Sm.	A, B, E
<i>Mastogloia smithii</i> var. <i>lacustris</i> Grun.	A, E, F, G
<i>Melosira arenaria</i> Moore	K
<i>Melosira crenulata</i> (Ehr.) Kütz.	A, B, K
<i>Melosira dendroteres</i> (Ehr.) Ross	D
<i>Melosira dickieei</i> (Thw.) Kütz.	A, B
<i>Melosira distans</i> (Ehr.) Kütz.	A, B, I, K
<i>Melosira distans</i> var. <i>alpigena</i> Grun.	A
<i>Melosira distans</i> var. <i>pfaffiana</i> (Reinsch) Grun.	A
<i>Melosira granulata</i> (Ehr.) Ralfs	A, B, D, I, K
<i>Melosira granulata</i> var. <i>angustissima</i> O. Müll.	A, C, G
<i>Melosira islandica</i> O. Müll.	A
<i>Melosira islandica</i> var. <i>helvetica</i> (O. Müll.) Meist.	A
<i>Melosira italicica</i> (Ehr.) Kütz.	A, B, D, E, H, K
<i>Melosira italicica</i> var. <i>subarctica</i> O. Müll.	A
<i>Melosira italicica</i> var. <i>tenuissima</i> (Grun.) O. Müll.	A
<i>Melosira italicica</i> var. <i>valida</i> (Grun.) Hust.	A
<i>Melosira laevis</i> (Ehr.) Ralfs	C
<i>Melosira nummuloides</i> (Dillw.) Ag.	C
<i>Melosira roseana</i> Rabh.	A, B, E, K
<i>Melosira scalaris</i> (Grun.)	I
<i>Melosira solida</i> (Eulen.) F. W. Mills	I
<i>Melosira sulcata</i> (Ehr.) Kütz.	C
<i>Melosira undulata</i> (Ehr.) Kütz.	I
<i>Melosira varians</i> Ag.	A, B, D, G, I, K
<i>Melosira</i> sp.	A, B, D, F
<i>Meridion circulare</i> (Grev.) Ag.	A, B, E, G, H
<i>Meridion circulare</i> var. <i>constrictum</i> (Ralfs) V. H.	A, B, E
<i>Meridion</i> sp.	A, B
<i>Navicula abiskoensis</i> Hust.	A
<i>Navicula accepta</i> Hust.	A
<i>Navicula accomoda</i> Hust.	A
<i>Navicula acrospherica</i> (Bréb.) Kütz.	I

Table 1 continued.

<i>Navicula affinis</i> Ehr.	I
<i>Navicula aikenensis</i> Patr.	A
<i>Navicula amphibola</i> Cl.	A
<i>Navicula amphigomphus</i> Ehr.	A
<i>Navicula anglica</i> Ralfs	A, B
<i>Navicula anglica</i> var. <i>subsalsa</i> (Grun.) Cl.	A
<i>Navicula angusta</i> Grun.	A, B
<i>Navicula appendiculata</i> (Ag.) Kütz.	A
<i>Navicula arenaria</i> Donk.	A
<i>Navicula arvensis</i> Hust.	A, B, E, J
<i>Navicula asellus</i> Weigold	D
<i>Navicula atomus</i> (Kütz.) Grun.	A, K
<i>Navicula auriculata</i> Hust.	A
<i>Navicula aurora</i> Sov.	A
<i>Navicula bacilliformis</i> Grun.	A
<i>Navicula bacillum</i> Ehr.	A, B, K
<i>Navicula bacillum</i> var. <i>leptidea</i> (Greg.) Cl.	K
<i>Navicula bicapitellata</i> Hust.	B
<i>Navicula bicephala</i> Hust.	A, B
<i>Navicula biconica</i> Patr.	H, K
<i>Navicula bohemica</i> Ehr.	C, I
<i>Navicula bombus</i> (Ehr.) Kütz.	I
<i>Navicula bottnica</i> Grun.	A
<i>Navicula brebissonii</i> Kütz. (see <i>Pinnularia brebissonii</i>)	
<i>Navicula brekkaensis</i> Peters.	A, E
<i>Navicula bryophila</i> J.B. Peters.	A
<i>Navicula capitata</i> Ehr.	A, B
<i>Navicula capitata</i> var. <i>hungarica</i> (Grun.) Ross.	A, B, G, H, K
<i>Navicula capitata</i> var. <i>luneburgensis</i> (Grun.) Patr.	A
<i>Navicula cari</i> Ehr.	B
<i>Navicula cincta</i> (Ehr.) Ralfs	A, E, G, H, K
<i>Navicula circumtexta</i> Meist.	A, H, K
<i>Navicula clementioides</i> Hust.	A
<i>Navicula clementis</i> Grun.	A, B
<i>Navicula coarctata</i> A. Schmidt	I
<i>Navicula cocconeiformis</i> (Greg.) Grev.	A, B
<i>Navicula contenta</i> f. <i>biceps</i> (Arnott) Grun.	A, K
<i>Navicula contenta</i> f. <i>parallela</i> (Peters.) Hust.	D
<i>Navicula convergens</i> Patr.	H, K
<i>Navicula crabro</i> (Ehr.) Kütz.	I
<i>Navicula crucicula</i> (W. Sm.) Donk.	A
<i>Navicula cryptocephala</i> Kütz.	A, B, C, E, J, K
<i>Navicula cryptocephala</i> var. <i>exilis</i> Grun.	A, B, D
<i>Navicula cryptocephala</i> var. <i>veneta</i> (Kütz.) Rabh.	A, B, D, E, F, G, H, J, K
<i>Navicula cryptocephaloides</i> Hust.	D, G
<i>Navicula cuspidata</i> (Kütz.) Kütz.	A, B, D, E, F, G, H, J, K
<i>Navicula cuspidata</i> var. <i>ambigua</i> (Ehr.) Cl.	B
<i>Navicula cuspidata</i> var. <i>heribaudi</i> Perag.	A
<i>Navicula cuspidata</i> var. <i>major</i> Meist.	A, B, E
<i>Navicula dactylus</i> (Ehr.) Kütz.	I
<i>Navicula decussis</i> Öst.	A, B
<i>Navicula detenta</i> Hust.	A

Table 1 continued.

<i>Navicula dicephala</i> Ehr.	A, B, F, G
<i>Navicula difficillimoides</i> Hust.	A
<i>Navicula digitoradiata</i> (Greg.) Ralfs	G
<i>Navicula digitulus</i> Hust.	A
<i>Navicula disjuncta</i> Hust.	A
<i>Navicula disputans</i> Patr.	B
<i>Navicula dulcis</i> Patr.	A
<i>Navicula elginensis</i> (Greg.) Ralfs	A, B, D
<i>Navicula elginensis</i> var. <i>rostrata</i> (A. May.) Patr.	A, B, D, F
<i>Navicula ellipsis</i> Setty	I
<i>Navicula exigua</i> (Greg.) Grun.	A, B
<i>Navicula exigua</i> var. <i>capitata</i> (Greg.) Grun.	A, B
<i>Navicula exselsa</i> Krass.	D, E
<i>Navicula festiva</i> Krass.	A
<i>Navicula feuerborni</i> Hust.	G
<i>Navicula firma</i> var. <i>subundulata</i> Grun.	I
<i>Navicula Fischeri</i> A. Schmidt	I
<i>Navicula formosa</i> Greg.	I
<i>Navicula fragilaroides</i> Krass.	A, E
<i>Navicula frugalis</i> Hust.	A
<i>Navicula gallica</i> (W. Sm.) Lagerst.	E
<i>Navicula gastrum</i> (Ehr.) Kütz.	A
<i>Navicula gibba</i> Cl.	A
<i>Navicula gottlandica</i> Grun.	A
<i>Navicula gracilis</i> Ehr.	A, J, K
<i>Navicula graciloides</i> A. May.	A, C, H
<i>Navicula gregaria</i> Donk.	A, B, C, F, G
<i>Navicula grimmiei</i> Krass.	A
<i>Navicula gysingensis</i> Foged	A, B
<i>Navicula halophila</i> (Grun.) Cl.	A, B, E, F, G
<i>Navicula halophila</i> f. <i>tenuirostris</i> Hust.	A
<i>Navicula heufleri</i> Grun.	A
<i>Navicula heufleri</i> var. <i>leptocephala</i> (Bréb.) Perag.	A, E
<i>Navicula hoefteli</i> Choln.	A
<i>Navicula impressa</i> Grun.	I
<i>Navicula indifferens</i> Hust.	A
<i>Navicula inflexa</i> (Greg.) Ralfs	A
<i>Navicula insociabilis</i> Krass.	A
<i>Navicula insociabilis</i> var. <i>dissipatoidea</i> Hust.	A
<i>Navicula integra</i> (W. Sm.) Ralfs	A, H
<i>Navicula jaernfeltii</i> Hust.	A
<i>Navicula lacustris</i> Greg.	A
<i>Navicula laevissima</i> Kütz.	A, B, E, H, K
<i>Navicula lanceolata</i> (Ag.) Kütz.	A, B, C, D, E, F, G, H
<i>Navicula lapidosa</i> Krass.	A
<i>Navicula laterostrata</i> Hust.	A
<i>Navicula levanderi</i> Hust.	A
<i>Navicula longa</i> (Greg.) Ralfs	I
<i>Navicula longirostris</i> Hust.	A, G
<i>Navicula luzonensis</i> Hust.	A, B, H, K
<i>Navicula lyra</i> Ehr.	A
<i>Navicula maculata</i> (J. W. Bail.) Edwards	I
<i>Navicula medioconvexa</i> Hust.	A
<i>Navicula mediocris</i> Krass.	A
<i>Navicula menisculus</i> var. <i>upsaliensis</i> (Grun.) Grun.	A, H, K
<i>Navicula minima</i> Grun.	A, B, D, E, H, K
<i>Navicula minima</i> var. <i>atomoides</i> (Grun.) Cl.	B

Table 1 continued.

<i>Navicula minuscula</i> Grun.	A
<i>Navicula molestiformis</i> Hust.	A
<i>Navicula mormonorum</i> Grun.	I
<i>Navicula muralis</i> Grun.	A, G
<i>Navicula murrayi</i> West & West	F, G, K
<i>Navicula mutica</i> Kütz.	A, B, D, E, F, G, K
<i>Navicula mutica</i> var. <i>binodis</i> Hust.	K
<i>Navicula mutica</i> var. <i>cohnii</i> (Hilse) Grun.	A, D
<i>Navicula mutica</i> var. <i>nivalis</i> (Ehr.) Hust.	B
<i>Navicula mutica</i> var. <i>undulata</i> (Hilse) Grun.	A, D, F, K
<i>Navicula nivalis</i> Ehr.	A, B, D, H
<i>Navicula nummularia</i> Grev.	I
<i>Navicula oblonga</i> (Kütz.) Kütz.	A, B, F, G, I, K
<i>Navicula odiosa</i> Wall.	A, B
<i>Navicula omissa</i> Hust.	A
<i>Navicula paramutica</i> Bock	D
<i>Navicula paramutica</i> var. <i>binodis</i> Bock	B
<i>Navicula parva</i> (Menegh.) Cl.-Eul.	G
<i>Navicula pelliculosa</i> Hilse	A, B, F, G
<i>Navicula peregrina</i> (Ehr.) Kütz.	A, B, D, E, F, G, H, K
<i>Navicula permitis</i> Hust.	A, H, K
<i>Navicula perpusilla</i> Grun.	G
<i>Navicula placentula</i> (Ehr.) Kütz.	A
<i>Navicula placentula</i> f. <i>rostrata</i> (A. May.) Hust.	A
<i>Navicula cf. poconoensis</i> Patr.	A
<i>Navicula praetexta</i> Ehr.	I
<i>Navicula protomontana</i> Cl.	A
<i>Navicula protracta</i> (Grun.) Cl.	A
<i>Navicula protracta</i> f. <i>subcapitata</i> (Wisl. et Por.) Hust.	A
<i>Navicula pseudocrassirostris</i> Hust.	G
<i>Navicula pseudoreinhardtii</i> Patr.	A, B
<i>Navicula pseudoscutiformis</i> Hust.	A, B
<i>Navicula pseudosilicula</i> Hust.	A
<i>Navicula pseudotuscula</i> Hust.	A
<i>Navicula pupula</i> Kütz.	A, B, E, G, H, K
<i>Navicula pupula</i> var. <i>capitata</i> Skv. & Meyer	A
<i>Navicula pupula</i> var. <i>elliptica</i> Hust.	A, B
<i>Navicula pupula</i> var. <i>mutata</i> (Krass.) Hust.	A
<i>Navicula pupula</i> var. <i>rectangularis</i> (Greg.) Cl. & Grun.	A, B, E, F, G
<i>Navicula pygmaea</i> Kütz.	A, C, E, G, H, K
<i>Navicula radiosaa</i> Kütz.	A, B, E, F, G, K
<i>Navicula radiosaa</i> var. <i>parva</i> Wall.	A
<i>Navicula radiosaa</i> var. <i>tenella</i> (Bréb.) Cl.	A, B, E, K
<i>Navicula reinhardtii</i> Grun.	A, B
<i>Navicula reinhardtii</i> var. <i>elliptica</i> Herib.	A, B
<i>Navicula rhynchocephala</i> Kütz.	A, B, C, E, F, G, K
<i>Navicula rhyncocephala</i> var. <i>amphiceros</i> (Kütz.) Grun.	A, K
<i>Navicula rhyncocephala</i> var. <i>germainii</i> (Wall.) Patr.	A, B
<i>Navicula rostrata</i> Ehr.	I
<i>Navicula rotaeana</i> (Rabh.) Grun.	B
<i>Navicula salinarum</i> Grun.	A, E, F, G, H, K

Table 1 continued.

<i>Navicula salinarum</i> var. <i>capitata</i> Schulz	G
<i>Navicula salinarum</i> var. <i>intermedia</i> (Grun.) Cl.	A, B, K
<i>Navicula schroeteri</i> var. <i>escambia</i> Patr.	A
<i>Navicula scutelloides</i> W. Sm. ex Greg.	A, B
<i>Navicula scutum</i> Schum.	A
<i>Navicula secreta</i> Pant.	A
<i>Navicula secreta</i> var. <i>apiculata</i> Patr.	A, B, H
<i>Navicula secura</i> Patr.	A
<i>Navicula seminuloides</i> Hust.	A
<i>Navicula seminulum</i> Grun.	A
<i>Navicula seminulum</i> var. <i>hustedtii</i> Patr.	B
<i>Navicula septata</i> Hust.	A
<i>Navicula smithii</i> Bréb.	I
<i>Navicula sohrensis</i> Krass.	A
<i>Navicula strenzkei</i> Hust.	A
<i>Navicula subadnata</i> Hust.	A, B
<i>Navicula subbacillum</i> Hust.	A, E
<i>Navicula subhamulata</i> Grun.	A
<i>Navicula subinflatoides</i> Hust.	G, H
<i>Navicula submolesta</i> Hust.	A
<i>Navicula submuralis</i> Hust.	G
<i>Navicula subsulcatoidea</i> Hust.	G
<i>Navicula subtilissima</i> Cl.	A, B
<i>Navicula symmetrica</i> Patr.	A, B, K
<i>Navicula tantula</i> Hust.	G
<i>Navicula tenelloides</i> Hust.	A, D, G
<i>Navicula tenera</i> Hust.	A
<i>Navicula tripunctata</i> (O. Müll.) Bory	A, B, C, D, E, G, H, K
<i>Navicula tripunctata</i> var. <i>schizonemoides</i> (V. H.) Patr.	A, B, C, F, G, H, K
<i>Navicula tulugakii</i> Carter	F
<i>Navicula tuscula</i> Ehr.	A
<i>Navicula vanheurckii</i> Patr.	A, B
<i>Navicula variostriata</i> Krass.	A, B
<i>Navicula ventricosa</i> Ehr.	B, I
<i>Navicula viridula</i> (Kütz.) Ehr.	A, B, C
<i>Navicula viridula</i> var. <i>avenacea</i> (Bréb. ex Grun.) V. H.	A, B, H, K
<i>Navicula viridula</i> var. <i>linearis</i> Hust.	A
<i>Navicula viridula</i> var. <i>rostellata</i> (Kütz.) Cl.	A, H
<i>Navicula culpina</i> Kütz.	B
<i>Navicula wardii</i> Patr.	A
<i>Navicula wittrockii</i> (Lagerst.) Temp. et Perag.	A, E, G
<i>Navicula zanoni</i> Hust.	G
<i>Navicula</i> sp.	A, B, C, D, E, F, G, H, K
<i>Neidium affine</i> (Ehr.) Pfitz.	A, B
<i>Neidium affine</i> var. <i>amphirhyncus</i> (Ehr.) Cl.	A
<i>Neidium affine</i> var. <i>longiceps</i> (Greg.) Cl.	A, B
<i>Neidium bisulcatum</i> (Lagerst.) Cl.	A, B
<i>Neidium bisulcatum</i> f. <i>lineare</i> (Oestr.) Cl. -Eul.	A
<i>Neidium bisulcatum</i> f. <i>undulata</i> (O. Müll.) Hust.	A
<i>Neidium bisulcatum</i> var. <i>baicalense</i> (Skv. & Meyer) Reim.	A
<i>Neidium binode</i> (Ehr.) Hust.	B, K
<i>Neidium dubium</i> (Ehr.) Cl.	A, B

Table 1 continued.

<i>Neidium dubium</i> f. <i>constricta</i> Hust.	B
<i>Neidium iridis</i> (Ehr.) Cl.	A, B, C, F, G
<i>Neidium iridis</i> var. <i>amphigomphus</i> (Ehr.) Temp. & Perag.	A
<i>Neidium iridis</i> var. <i>ampliatum</i> (Ehr.) Cl.	A
<i>Neidium temperi</i> Reim.	B
<i>Neidium</i> sp.	A
<i>Nitzschia acicularis</i> (Kütz.) W.Sm.	A, B, C, H, I
<i>Nitzschia acicularoides</i> Hust.	A
<i>Nitzschia acuminata</i> (W.Sm.) Grun.	B
<i>Nitzschia acuta</i> Hantz.	A
<i>Nitzschia amphibia</i> Grun.	A, B, D, E, F, G, H, K
<i>Nitzschia angularis</i> var. <i>affinis</i> (Grun.) Grun.	B
<i>Nitzschia angustata</i> Grun.	A, B, E, H
<i>Nitzschia angustata</i> var. <i>acuta</i> Grun.	A, K
<i>Nitzschia apiculata</i> (Greg.) Grun.	A, B, E, H, K
<i>Nitzschia capitellata</i> Hust.	A
<i>Nitzschia circumsuta</i> (J.W.Bail.) Grun.	A, I
<i>Nitzschia clausii</i> Hantz.	A, I, J
<i>Nitzschia communis</i> Rabh.	A, B, D, E, G, H, J
<i>Nitzschia commutata</i> Grun.	A, I
<i>Nitzschia denticula</i> Grun.	A, B, E, G, H, J
<i>Nitzschia dissipata</i> (Kütz.) Grun.	A, B, D, G, K
<i>Nitzschia distans</i> Greg.	I
<i>Nitzschia dubia</i> W.Sm.	A
<i>Nitzschia epithemoides</i> Grun.	A, C, E, H, K
<i>Nitzschia filiformis</i> (W.Sm.) Hust.	A, B
<i>Nitzschia fonticola</i> Grun.	A, B, C, D, H
<i>Nitzschia frustulum</i> (Kütz.) Grun.	A, B, E, G, H, J, K
<i>Nitzschia frustulum</i> var. <i>perminuta</i> Grun.	B, G, H
<i>Nitzschia frustulum</i> var. <i>perpusilla</i> (Rabh.) Grun.	B, G
<i>Nitzschia frustulum</i> var. <i>subsalina</i> Hust.	A, F, G, H
<i>Nitzschia gandersheimensis</i> Krass.	A
<i>Nitzschia gracilis</i> Hantz.	A
<i>Nitzschia granulata</i> Grun.	A
<i>Nitzschia hantzschiana</i> Rabh.	A, B, D, E, H, J, K
<i>Nitzschia heufleriana</i> Grun.	B
<i>Nitzschia holsatica</i> Hust.	A
<i>Nitzschia hungarica</i> Grun.	A, B, C, F, G, H, K
<i>Nitzschia inconspicua</i> Grun.	A, B, D, E, H, J, K
<i>Nitzschia intermedia</i> Hantz.	A, H
<i>Nitzschia kuetzingiana</i> Hilse	C
<i>Nitzschia lacunarum</i> Hust.	A
<i>Nitzschia lanceolata</i> W.Sm.	A
<i>Nitzschia linearis</i> (Ag.) W.Sm.	A, B, C, D, E, F, G, K
<i>Nitzschia longissima</i> var. <i>closterium</i> (Ehr.) V.H.	A
<i>Nitzschia lorenziana</i> Grun.	B, K
<i>Nitzschia microcephala</i> Grun.	A, E, F, G
<i>Nitzschia minuta</i> Bleisch	A
<i>Nitzschia minutula</i> Grun.	A
<i>Nitzschia obtusa</i> W.Sm.	A, B, D, F, G
<i>Nitzschia obtusifida</i> Setty	I

Table 1 continued.

<i>Nitzschia ovalis</i> Arnott	A, B, H, K
<i>Nitzschia palea</i> (Kütz.) W.Sm.	A, B, C, D, E, F, G, H, I, J, K
<i>Nitzschia palea</i> var. <i>debilis</i> (Kütz.) Grun.	A
<i>Nitzschia paleacea</i> Grun.	A, D, E, H, K
<i>Nitzschia panduriformis</i> Greg.	I
<i>Nitzschia parvula</i> W.Sm.	K
<i>Nitzschia permunita</i> (Grun.) M.Perag.	A
<i>Nitzschia pseudostagnorum</i> Hust.	G
<i>Nitzschia punctata</i> (Grun.) Grun.	A, I, K
<i>Nitzschia punctata</i> var. <i>elongata</i> Grun.	K
<i>Nitzschia pusilla</i> (Kütz.) Grun. em. Lange-Bert.	A
<i>Nitzschia recta</i> Hantz.	A
<i>Nitzschia reversa</i> W.Sm.	A
<i>Nitzschia romana</i> Grun.	A, E, H
<i>Nitzschia scalaris</i> (Ehr.) W.Sm.	I
<i>Nitzschia sigma</i> (Kütz.) W.Sm.	A, B, C, H, K
<i>Nitzschia sigma</i> var. <i>sigmatella</i> Grun.	A
<i>Nitzschia sigmatella</i> Greg.	A
<i>Nitzschia sigmoidea</i> (Nitz.) W.Sm.	A, B, I, K
<i>Nitzschia sinuata</i> (Thwaites) Grun.	A
<i>Nitzschia sinuata</i> var. <i>tabellaria</i> (Grun.) Grun.	A, B, E
<i>Nitzschia sociabilis</i> Hust.	A
<i>Nitzschia socialis</i> Greg.	K
<i>Nitzschia spectabilis</i> (Ehr.) Ralfs	A
<i>Nitzschia stagnorum</i> (Rabh.) Grun.	A
<i>Nitzschia subacicularis</i> Hust.	A
<i>Nitzschia sublinearis</i> Hust.	B
<i>Nitzschia subtilis</i> (Kütz.) Grun.	A, G, H
<i>Nitzschia subtilis</i> var. <i>paleacea</i> Grun.	K
<i>Nitzschia thermalis</i> (Ehr.) Auers.	A, I, K
<i>Nitzschia thermalis</i> var. <i>minor</i> Hilse	A
<i>Nitzschia tryblionella</i> Hantz.	A, B, H
<i>Nitzschia tryblionella</i> var. <i>debilis</i> (Arnott) Hust.	A, E
<i>Nitzschia tryblionella</i> var. <i>levidensis</i> (W.Sm.) Grun.	A, K
<i>Nitzschia tryblionella</i> var. <i>victoriae</i> (Grun.) Grun.	A
<i>Nitzschia valdestriata</i> Aleem et Hust.	A
<i>Nitzschia valida</i> (Grun.) Pelletan	I
<i>Nitzschia vermicularis</i> (Kütz.) Hantz.	B, C
<i>Nitzschia vitrea</i> cf. var. <i>scaphiformis</i> Wisl. & Poretz.	G, H
<i>Nitzschia vivax</i> W.Sm.	G
<i>Nitzschia</i> sp.	A, B, E, F, G, H, K
<i>Opephora martyi</i> Herib.	A
<i>Pinnularia abaujensis</i> (Pant.) Ross	B
<i>Pinnularia abaujensis</i> var. <i>linearis</i> (Hust.) Patr.	A
<i>Pinnularia abaujensis</i> var. <i>rostrata</i> (Patr.) Patr.	A, B
<i>Pinnularia abaujensis</i> var. <i>subundulata</i> (A. May. ex Hust.) Patr.	A
<i>Pinnularia acrosphaeria</i> (Bréb.) W.Sm.	A
<i>Pinnularia acuminatum</i> W.Sm.	A, B
<i>Pinnularia aestuarii</i> var. <i>interrupta</i> (Hust.) Cl.-Eul.	A
<i>Pinnularia amphistylus</i> Ehr.	C

Table 1 continued.

<i>Pinnularia appendiculata</i> (Ag.) Cl.	A,D,E,F,G
<i>Pinnularia biceps</i> Greg.	A,B
<i>Pinnularia biceps</i> var. <i>minor</i> (Peters.) Cl.-Eul.	E
<i>Pinnularia bogotensis</i> (Grun.) Cl.	A
<i>Pinnularia bogotensis</i> var. <i>undulata</i> (M. Perag.) Boyer	A,G
<i>Pinnularia borealis</i> Ehr.	A,B,D,K
<i>Pinnularia borealis</i> var. <i>rectangularis</i> Carlson	A
<i>Pinnularia braunii</i> (Grun.) Cl.	A,B
<i>Pinnularia braunii</i> var. <i>amphicephala</i> (A. May.) Hust.	A
<i>Pinnularia brebissonii</i> (Kütz.) Rabh. (= <i>Navicula brebissonii</i>)	A,B,D,E,H,I,K
<i>Pinnularia brebissonii</i> var. <i>diminuta</i> (Grun.) Cl.	A,D,G
<i>Pinnularia brebissonii</i> f. <i>biundulata</i> O. Müll.	B
<i>Pinnularia burkii</i> Patr.	A
<i>Pinnularia cardinalis</i> (Ehr.) W. Sm.	K
<i>Pinnularia dactylus</i> Ehr.	A,B
<i>Pinnularia divergens</i> W. Sm.	A
<i>Pinnularia divergens</i> var. <i>elliptica</i> (Grun.) Cl.	A
<i>Pinnularia divergentissima</i> (Grun.) Cl.	A,B
<i>Pinnularia episcopalis</i> var. <i>subelliptica</i> Cl.-Eul.	B
<i>Pinnularia gentilis</i> (Donk.) Cl.	D
<i>Pinnularia gibba</i> Ehr.	A
<i>Pinnularia intermedia</i> (Lagerst.) Cl.	A,B,E,K
<i>Pinnularia lata</i> (Bréb.) Rabh.	A,B
<i>Pinnularia maior</i> (Kütz.) Rabh.	A,B,I,K
<i>Pinnularia maior</i> var. <i>transversa</i> (A. Schmidt) Cl.	B
<i>Pinnularia mesolepta</i> (Ehr.) W. Sm.	A,B
<i>Pinnularia mesolepta</i> f. <i>angusta</i> (Cl.) Hust.	A
<i>Pinnularia microstauron</i> (Ehr.) Cl.	A,B,C,F,G
<i>Pinnularia microstauron</i> var. <i>biundulata</i> O. Müll.	C
<i>Pinnularia molaris</i> (Grun.) Cl.	A
<i>Pinnularia nobilis</i> (Ehr.) Ehr.	A,I
<i>Pinnularia obscura</i> Krass.	A
<i>Pinnularia platycephala</i> (Ehr.) Cl.	A
<i>Pinnularia rupestris</i> Hantz.	B
<i>Pinnularia ruttneri</i> Hust.	A
<i>Pinnularia stauroneis</i> Ehr.	C
<i>Pinnularia subcapitata</i> Greg.	A
<i>Pinnularia sublinearis</i> (Grun.) Cl.	A
<i>Pinnularia subsolaris</i> (Grun.) Cl.	A
<i>Pinnularia substomatophora</i> Hust.	A
<i>Pinnularia termittina</i> (Ehr.) Fricke	A,C
<i>Pinnularia undulata</i> Greg.	A
<i>Pinnularia viridis</i> (Nitz.) Ehr.	A,B,D,E,F,G,H,K
<i>Pinnularia viridis</i> var. <i>commutata</i> (Grun.) Cl.	A
<i>Pinnularia viridis</i> var. <i>minor</i> Cl.	A,B,F,G
<i>Pinnularia</i> sp.	A,D,E,F,G
<i>Plagiotropis</i> (see <i>Tropidoneis</i>)	
<i>Pleurosigma australe</i> Grun.	A

Table 1 continued.

<i>Pleurosigma decorum</i> W. Sm.	I
<i>Pleurosigma delicatum</i> W. Sm.	A,B,G,H,K
<i>Pleurosigma eximum</i> (Thw.) Grun.	K
<i>Pleurosigma</i> sp.	A,I
<i>Rhizosolenia minima</i> Levan.	A
<i>Rhoicosphenia curvata</i> (Kütz.) Grun.	A,B,C,D,E,F,G,H,I,K
<i>Rhopalodia gibba</i> (Ehr.) O. Müll.	A,B,D,E,F,G,K
<i>Rhopalodia gibba</i> var. <i>ventricosa</i> (Kütz.) Perag. & Perag.	A,H,K
<i>Rhopalodia gibberula</i> (Ehr.) O. Müll.	A,B,D,E,F,G,J,K
<i>Rhopalodia gibberula</i> var. <i>protracta</i> (Grun.) O. Müll.	A,E
<i>Rhopalodia gibberula</i> var. <i>vanheurckii</i> O. Müll.	A,D
<i>Rhopalodia musculus</i> (Kütz.) O. Müll.	A,C,H,K
<i>Rhopalodia musculus</i> var. <i>constricta</i> (Bréb.) Perag. et Perag.	K
<i>Rhopalodia</i> sp.	A
<i>Scoliopleura peisonis</i> Grun.	A,I,K
<i>Semiorbis hemicyclus</i> (Ehr.) Patr.	F,G
<i>Stauroneis agrestis</i> Peters.	A
<i>Stauroneis anceps</i> Ehr.	A,B,E
<i>Stauroneis anceps</i> f. <i>gracilis</i> Rabh.	A,B,E
<i>Stauroneis anceps</i> f. <i>linearis</i> Rabh.	A,B
<i>Stauroneis anceps</i> var. <i>siberica</i> Grun.	A
<i>Stauroneis cf. dubitabilis</i> Hust.	A
<i>Stauroneis fluminea</i> Patr. & Freese	B
<i>Stauroneis ignorata</i> Hust.	B
<i>Stauroneis inclinatus</i> Setty	I
<i>Stauroneis kriegeri</i> Patr.	A,B,D
<i>Stauroneis legleri</i> Hust.	G,H
<i>Stauroneis muriella</i> f. <i>linearis</i> Lund	A
<i>Stauroneis nana</i> Hust.	A
<i>Stauroneis phoenicenteron</i> (Nitz.) Ehr.	A,B
<i>Stauroneis phoenicenteron</i> var. <i>brunii</i> (M. Perag. & Herib.) F.W. Mills	A
<i>Stauroneis phoenicenteron</i> f. <i>gracilis</i> (Dippel) Hust.	A,B
<i>Stauroneis salina</i> W. Sm.	F
<i>Stauroneis smithii</i> Grun.	A,B
<i>Stauroneis smithii</i> var. <i>incisa</i> Pant.	A
<i>Stauroneis wislouchii</i> Poretz. & Anis.	A,G
<i>Stauroneis</i> sp.	A
<i>Stenopterobia intermedia</i> (Lewis) V. H.	A
<i>Stephanodiscus astraea</i> (Ehr.) Grun.	A,I,K
<i>Stephanodiscus astraea</i> var. <i>minutula</i> (Kütz.) Grun.	A,B,D,G,H,J,K
<i>Stephanodiscus carconensis</i> (Eul.) Grun.	D,E
<i>Stephanodiscus carconensis</i> var. <i>pusilla</i> Grun.	A,D
<i>Stephanodiscus dubius</i> (Fricke) Hust.	A
<i>Stephanodiscus hantzschii</i> Grun.	A,D
<i>Stephanodiscus invisitus</i> Hohn & Heller.	A
<i>Stephanodiscus minutus</i> Cl. & Moell.	A
<i>Stephanodiscus niagarae</i> Ehr.	A,B,D,K

Table 1 continued.

<i>Stephanodiscus subtilis</i> (V. Goor)	
Cl.-Eul.	A
<i>Stephanodiscus</i> sp.	A, B, D, H
<i>Surirella angusta</i> Kütz.	A, B, H, K
<i>Surirella baileyi</i> Lewis	B
<i>Surirella biseriata</i> Bréb.	A, B, I
<i>Surirella craticula</i> Ehr.	K
<i>Surirella crumena</i> Bréb.	I
<i>Surirella delicatissima</i> Lewis	A, B
<i>Surirella elegans</i> Ehr.	I
<i>Surirella laevigata</i> Ehr.	I
<i>Surirella linearis</i> W. Sm.	A, B
<i>Surirella linearis</i> var. <i>constricta</i> Grun.	A
<i>Surirella ovalis</i> Bréb.	A, B, D, E, H, I, K
<i>Surirella ovalis</i> var. <i>baltica</i> (Schum.) Cl.-Eul.	B
<i>Surirella ovalis</i> var. <i>brightwellii</i> (W. Sm.) Perag. & Perag.	A
<i>Surirella ovata</i> Kütz.	A, B, C, F, G, H, K
<i>Surirella ovata</i> var. <i>pinnata</i> (W. Sm.) Brun.	A, B
<i>Surirella ovata</i> var. <i>utahensis</i> Grun.	K
<i>Surirella patella</i> Ehr.	A
<i>Surirella pseudovalvis</i> Hust.	A
<i>Surirella regina</i> Janisch	I
<i>Surirella rhombus</i> Setty	I
<i>Surirella roburii</i> Setty	I
<i>Surirella robusta</i> Ehr.	A
<i>Surirella robusta</i> var. <i>splendida</i> (Ehr.) V.H.	A, C
<i>Surirella robusta</i> var. <i>splendida</i> f. <i>hustedtiana</i> (A. May.) Hust.	A
<i>Surirella rostrata</i> Setty	K
<i>Surirella spiralis</i> Kütz.	A
<i>Surirella splendida</i> (Ehr.) Kütz.	I
<i>Surirella striatula</i> Turp.	A, C, F, G, I, K
<i>Surirella testudo</i> Ehr.	C
<i>Surirella utahensis</i> (Grun.) Hanna & Grant	I
<i>Surirella</i> sp.	A, B
<i>Synedra acus</i> Kütz.	A, B, C, F, G, H
<i>Synedra affinis</i> Kütz.	K
<i>Synedra affinis</i> var. <i>acuminata</i> Grun.	B
<i>Synedra affinis</i> var. <i>lancettula</i> Grun.	K
<i>Synedra amphicephala</i> Kütz.	K
<i>Synedra amphicephala</i> var. <i>austriaca</i> (Grun.) Hust.	A
<i>Synedra capitata</i> Ehr.	A, B, F, G
<i>Synedra cyclopum</i> Bruts.	A
<i>Synedra cyclopum</i> var. <i>robustum</i> Schultz	A
<i>Synedra delicatissima</i> W. Sm.	A, B, G
<i>Synedra delicatissima</i> var. <i>angustissima</i> Grun.	A
<i>Synedra famelica</i> Kütz.	A
<i>Synedra fasciculata</i> Kütz.	A, B, G, H
<i>Synedra fasciculata</i> var. <i>truncata</i> (Grev.) Patr.	A, B, D, F, G, H, J, K
<i>Synedra filiformis</i> var. <i>exilis</i> Cl.-Eul.	A
<i>Synedra incisa</i> Boyer	E, G

Table 1 continued.

<i>Synedra lanceolata</i> Kütz.	I
<i>Synedra mazamensis</i> Sov.	A
<i>Synedra minuscula</i> Grun.	A, B
<i>Synedra parasitica</i> (W. Sm.) Hust.	A, B, D, E
<i>Synedra parasitica</i> var. <i>subconstricta</i> (Grun.) Hust.	A, B
<i>Synedra pulchella</i> (Ralfs) Kütz.	A, B, E, H, I, K
<i>Synedra pulchella</i> var. <i>lanceolata</i> O'Meara	A, B, F, G, K
<i>Synedra radians</i> Kütz.	A, B, F, G, H
<i>Synedra rumpens</i> Kütz.	A, B, D
<i>Synedra rumpens</i> var. <i>familiaris</i> (Kütz.) Grun.	A
<i>Synedra rumpens</i> var. <i>fragilaroides</i> Grun.	A
<i>Synedra rumpens</i> var. <i>meneghiniana</i> Grun.	A
<i>Synedra rumpens</i> var. <i>scotica</i> Grun.	A, G
<i>Synedra socia</i> Wall.	A
<i>Synedra spectabilis</i> Ehr.	C
<i>Synedra splendens</i> Kütz.	A
<i>Synedra subaequalis</i> Grun.	A
<i>Synedra tabulata</i> (Ag.) Kütz.	A, F, G
<i>Synedra tabulata</i> var. <i>obtusa</i> (Arn.) Hust.	A, F, G
<i>Synedra tenera</i> W. Sm.	A, E, F
<i>Synedra tenuissima</i> Kütz.	I
<i>Synedra ulna</i> (Nitz.) Ehr.	A, B, C, D, E, F, G, H, K
<i>Synedra ulna</i> var. <i>amphirhynchus</i> (Ehr.) Grun.	B
<i>Synedra ulna</i> var. <i>biceps</i> (Kütz.) Schoenfeld	I
<i>Synedra ulna</i> var. <i>constricta</i> Venkataraman	B
<i>Synedra ulna</i> var. <i>contracta</i> Oestr.	A, B, G, K
<i>Synedra ulna</i> var. <i>danica</i> (Kütz.) Grun.	A
<i>Synedra ulna</i> var. <i>longissima</i> (W. Sm.) Brun.	A, G
<i>Synedra ulna</i> var. <i>oxyrhynchus</i> (Kütz.) V. H.	A, B
<i>Synedra ulna</i> var. <i>oxyrhynchus</i> f. <i>mediocontracta</i> (Forti) Hust.	A
<i>Synedra ulna</i> var. <i>ramesi</i> (Herib.) Hust.	A, B
<i>Synedra ulna</i> var. <i>spathulifera</i> Grun.	A
<i>Synedra ulna</i> var. <i>subaequalis</i> Grun.	A, B
<i>Synedra</i> sp.	A, B, C, F
<i>Tabellaria fenestrata</i> (Lyngb.) Kütz.	A, B, D
<i>Tabellaria flocculosa</i> (Roth) Kütz.	A, B
<i>Tabellaria</i> sp.	A, B, F
<i>Terpsinoe intermedia</i> Grun.	G
<i>Terpsinoe musica</i> Ehr.	F, G
<i>Tetracyclus lacustris</i> Ralfs	A, B
<i>Tetracyclus</i> sp.	A
<i>Thalassiosira fluviatilis</i> Hust.	A, C
<i>Thalassiosira</i> sp.	A
<i>Tropidoneis arizonica</i> Czar. & Blinn	A, G
<i>Tropidoneis lepidoptera</i> (Greg.) Cl.	G
<i>Tropidoneis vitrea</i> (W. Sm.) Cl.	A
<i>Tropidoneis vitrea</i> var. <i>scaligera</i> (Grun.) Cl.	A

Table 1 continued.

DIVISION EUGLENOPHYTA	
Class Euglenophyceae	
Order Euglenales	
<i>Euglena acus</i> Ehr.	A, B
<i>Euglena adhaerens</i> Matv.	B
<i>Euglena deses</i> Ehr.	A, B
<i>Euglena ehrenbergii</i> Klebs	A
<i>Euglena elastic</i> Prescott	A
<i>Euglena gracilis</i> Klebs	A, B, D
<i>Euglena minuta</i> Prescott	B
<i>Euglena oxyuris</i> Schmar.	A
<i>Euglena pisciformis</i> Ehr.	A, B
<i>Euglena proxima</i> Dang.	A, B
<i>Euglena sanguinea</i> Ehr.	B
<i>Euglena tripterus</i> (Duj.) Klebs	A
<i>Euglena viridis</i> Ehr.	A
<i>Euglena</i> sp.	A, B, D
<i>Eutreptia</i> sp.	B
<i>Lepocinclus salina</i> Fritsch	A
<i>Lepocinclus</i> sp.	A
<i>Phacus acuminatus</i> Stokes	A, B
<i>Phacus chloroplastes</i> Pres.	A
<i>Phacus pyrum</i> (Ehr.) Stein	B
<i>Phacus spiralis</i> All. et Jahn	A
<i>Phacus tortus</i> (Lemm.) Skv.	A
<i>Phacus</i> sp.	A, B
<i>Strombomonas fluviatilis</i> (Lemm.) Defl.	A
<i>Trachelomonas abrupta</i> (Swir.) Defl.	A
<i>Trachelomonas crebea</i> (Kill.) Defl.	A
<i>Trachelomonas dybowskii</i> Dreze.	A
<i>Trachelomonas robusta</i> Swir.	B
<i>Trachelomonas</i> sp.	A
DIVISION PYRRHOPHYTA	
Class Dinophyceae	
Order Peridiniales	
<i>Ceratium hirundinella</i> (O. Müll.) Dujard.	A, B, C
<i>Ceratium</i> sp.	A
<i>Peridinium cinctum</i> (O. Müll.) Ehr.	B
<i>Peridinium wille</i> Huitfeld	A
Order Glenodiniales	
<i>Glenodinium dinobryonis</i> (Wol.) Lind.	A
<i>Glenodinium penardiforme</i> (Lind.) Schill.	A
<i>Glenodinium pulvicularis</i> (Ehr.) Stein	A
<i>Glenodinium</i> sp.	A, C
Order Gymnodiniales	
<i>Gymnodinium</i> sp.	A
DIVISION CRYPTOPHYTA	
Class Cryptophyceae	
Order Cryptomonadales	
<i>Chroomonas</i> sp.	A

Table 1 continued.

DIVISION RHODOPHYTA	
Class Rhodophyceae	
<i>Cryptomonas erosa</i> Ehr.	A
<i>Cryptomonas</i> sp.	A
Order Nemalionales	
<i>Audouinella violacea</i> (Kütz.) Hamel	B, J
<i>Batrachospermum moniliforme</i> Roth	B, J
<i>Batrachospermum</i> sp.	A

Column letters in the above table refer to the following habitat categories:

A. Lakes and reservoirs	B. Rivers and streams
C. Great Salt Lake	D. Soils
E. Wet walls	F. Wet meadows
G. Thermal springs	H. Salt marshes
I. Fossils	J. Cold springs
K. Undesignated	

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