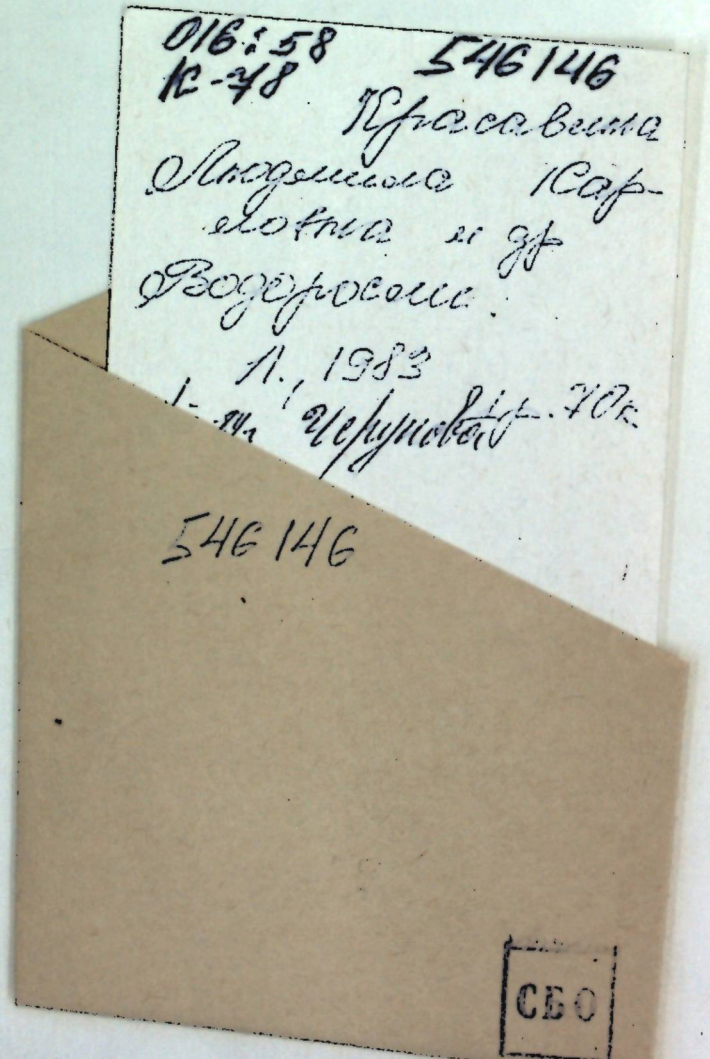
016:58
К 78

АКАДЕМИЯ НАУК СССР

ВОДОРОСЛИ

Указатель

ЛЕНИНГРАД
1983



Ордена Трудового Красного Знамени
БОТАНИЧЕСКИЙ ИНСТИТУТ им. В.Л. КОМАРОВА АН СССР

Ордена Трудового Красного Знамени
БИБЛИОТЕКА АКАДЕМИИ НАУК СССР

В О Д О Р О С Л И

Указатель к „Библиографии советской литературы по водорослям. 1961-1970"

Ленинград
1983

016.38,2.2 + Е 591.2 я1
К78

Составили Л.К. Красавина и Н.Н. Цветкова
Под редакцией М.М. Голлербаха и Л.К. Красавиной

546146

В 61005-42 / 042(02)I-82 I4

© Библиотека Академии наук СССР, 1983.

Центральная научная библиотека Академии наук Кирг. ССР

Содержание

Предисловие 4
Список предыдущих выпусков библиографических указателей по альгологии 7
Указатель таксонов водорослей 9
Алфавитный список родов 434
Указатель авторов таксонов (в сокращенной и полной форме) 450

Предисловие

Настоящий указатель представляет собой второй выпуск[1] списка названий водорослей, приведенных в отечественной альгологической и смежной с ней литературе, а также в иностранных работах, посвященных исследованию водорослей, обитающих на территории нашей страны. Указатель является справочным аппаратом к специальному выпуску по водорослям за 1961-1970 гг.[2] Он состоит из перечня латинских названий водорослей, сопровождаемых номерами, под которыми в библиографии значатся работы, содержащие сведения о водорослях.

Основу указателя составляет алфавитный перечень родов водорослей, а также видов внутри каждого рода и внутривидовых таксонов в пределах каждого вида, независимо от их ранга. Если встречаются формы внутри разновидностей и субформы внутри форм, то формы помещаются под разновидностями, а субформы – под формами. Все внутривидовые таксоны располагаются после тире: разновидности и формы от вида идут после одного тире, указывающего на их принадлежность к вышерасположенному виду, формы от разновидностей – соответственно после двух тире.

В указатель вошли встреченные в литературе названия водорослей, независимо от современной трактовки их как действительных

---

1 Первый выпуск см.: Голлербах М.М., Красавина Л. К. Водоросли : Сводный указатель к отечественным библиографиям по водорослям за 1737-1960 гг. – Л., 1971. – 624 с.

2 Библиография советской литературы по водорослям. 1961-1970. – Л., 1983. – 580 с.

таксонов или как синонимов. Для ранга внутривидовых таксонов указателе сохранены только общеупотребительные в современной литературе обозначения, узаконенные „Международным кодексом ботанической номенклатуры": subsp., var., f., subf.; иногда встречающиеся еще обозначения таксонов ниже вида передаются с помощью букв греческого или латинского алфавитов, а некоторые оригинальные авторские обозначения, не поддающиеся подобному приравниванию, оставлены так, как они даны в работе.

При выборке названий водорослей для данного алфавитного указателя были приняты те же правила, что и для первого выпуска, а именно:

1. Из флористических и систематических работ выписывались только основные виды, разновидности и формы, обнаруженные на исследованной территории; встречающиеся в этих работах синонимы или названия водорослей, упоминаемые лишь в связи с обсуждением основных таксонов, не учитывались.

2. Из экспериментальных, теоретических и иных работ общего содержания выписывались все названия водорослей, независимо от их местонахождения.

3. В указатель не включены названия водорослей, содержащиеся в учебниках, альгологических сводках, монографиях и определителях, являющихся настольными руководствами и справочниками для каждого альголога.

4. В написаниях латинских названий водорослей, в случаях наличия явных погрешностей, связанных с опечатками, вносились исправления, возможность и необходимость которых предусмотрена „Международным кодексом ботанической номенклатуры". Орфографически ошибочные названия, имеющие неясную для составителей настоящего справочника этимологию, не исправлялись.

5. При номерах работ, в которых имеется описание соответствующей водоросли, в круглых скобках дается обозначение „о", при наличии рисунков – „р".

В связи с обширностью материала для облегчения нахождения родов водорослей в конце указателя дан алфавитный список родов с обозначением страниц, на которых они помещены.

В отличие от предыдущего выпуска, в данный указатель внесены следующие дополнения:

После номеров работ, в которых были обнаружены ошибки в написании родов и других таксономических единиц, поставлены звездочки.

Названия таксонов даны с фамилиями авторов в общепринятом их сокращении.

В конце указателя дан алфавитный список фамилий авторов таксонов. При наличии 2-3 авторов-однофамильцев, фамилии которых одинаково сокращены в названиях разных таксонов в указателе, в основном, оставлены с теми сокращениями фамилий авторов, какие были в исходных работах.

В процессе работы большую помощь в филологической проверке названий и исправлениях номенклатурных погрешностей оказала Н.Н.Забинкова, за что приносим ей искреннюю благодарность.

Все замечания, связанные с данным указателем, следует посылать по адресу: 197022, Ленинград, ул. проф. Попова, 2, Ботанический институт АН СССР, Лаборатория альгологии.

Список предыдущих выпусков
библиографических указателей по альгологии

1. Гайдуков Н. Н. Литературные источники к русской флоре водорослей. – Бот. записки, изд. при СПб. ун-те, 1901, вып. 17, с. 1-126. Номера работ: 1-452.

2. Еленкин А. А., Ольь Л. А. Библиография альгологических трудов в пределах СССР с 1900 по 1925 г. включительно [с дополнением 1]. – Тр. Гл. бот. сада, 1929, т. 42, вып. 1, с. I-IУ, 1-139. – Номера работ: 453-1308.

3. Еленкин А. А., Ольь Л. А. Библиография альгологических трудов в пределах СССР с 1926 по 1930 г. включительно. – Тр. Бот. ин-та АН СССР. Сер. 2, 1935, вып. 2, с. 171-255. – Номера работ: 1309-1906.

4. Еленкин А. А., Ольь Л. А. Библиография альгологических трудов в пределах СССР с 1931 по 1935 г. включительно. – Тр. Бот. ин-та АН СССР. Сер. 2, 1950, вып. 2, с. 95-115. – Номера работ: 1907-2329.

5. Еленкин А. А., Ольь Л. А. Дополнительные данные по библиографии альгологических трудов в пределах СССР. Доп. 2. – Тр. Бот. ин-та АН СССР. Сер. 2, 1950, вып. 6, с. 5-22. – Номера работ: в пределах номеров предыдущих выпусков.

6. Библиография советской литературы по водорослям за 1936-1940 гг. (с дополнением [3] за предыдущие годы) / М. М. Голлербах, А. А. Еленкин, Л. К. Красавина, Л. А. Ольь. – Л., 1966. – 169 с. – В надзаг.: АН СССР, Всесоюз. бот. о-во, БАН СССР. Номера работ: 2330-3821.

7. Красавина Л. К. Библиография советской литературы по водорослям за 1941-1960 гг. - Л., 1968. - 343 с. - В надзаг.: АН СССР, Бот. ин-т им. В. Л. Комарова, БАН СССР. - Номера работ: 3822-7037.

8. Голлербах М. М., Красавина Л. К. Водоросли: Сводный указатель к отечественным библиографиям по водорослям за 1737-1960 гг. - Л., 1971. - 624 с. - В надзаг.: АН СССР, Бот. ин-т им. В.Л. Комарова, БАН СССР.

9. Библиография советской литературы по водорослям за 1961-1970 гг. [с дополнением 4] / Л. К. Красавина, Н. Н. Цветкова, Т. А. Дмитриева, И. Н. Матвеевская. - Л., 1983. - 580 с. - В надзаг.: АН СССР, Бот. ин-т им. В.Л. Комарова, БАН СССР. Номера работ: 7038-13759.

10. Красавина Л.К., Цветкова Н.Н., Матвеевская И. Н. Библиография советской литературы по водорослям, 1971-1975 [с дополнением 5]. - Л., 1978. - 516 с. - В надзаг.: АН СССР, Бот. ин-т им. В.Л. Комарова АН СССР, БАН СССР. Номера работ: 13760-16916.

Указатель таксонов водорослей

Abacella Masl.
sp. sp. 9823, 10534, 13233
pertusa Masl. 7176(o,p)
Acanthina Korde
multiformis Korde 9833
Acanthodiscus Pant.
rugosus Pant. 8365
schmidtii Jousé 9952
vulcaniformis Jousé 9952, 11334
Acanthoica Lohm.
sp. sp. 8760, 9619
acanthos Schill. 8763, 9215, 9220
aculeata Lohm. 9220
quathrospina Lohm. 8763, 9220
Acanthopeltis Okam.
sp. sp. 10409
Acanthosphaera Lemm.
zachariasii Lemm. 9801, 11866, 13271
Acetabularia Lamour.
sp. sp. 7338, 8665, 9823
crenulata Lamour. 10139
mediterranea Lamour. 12241, 12573
Achnanthes Bory
sp. sp. 7063, 7187, 7348, 7507, 7684, 7828, 8038, 8254, 8257, 8557, 8595, 8597, 8781, 8912-8914, 9214, 9379, 9446, 9571, 9703, 9720, 9941, 10008, 10169, 10220, 10306, 10414, 10417, 10543, 10546, 10899, 11034, 11094, 11183, 11451, 11694, 11994, 12037, 12140, 12223, 12247, 12449, 12579, 13353, 13354, 13398, 13505, 13508, 13519, 13581, 13631, 13657, 13706
acutiformis Moiss. 10412
affinis Grun. 7054, 7150, 7973, 8038, 8700, 9060, 10148, 10150, 10151, 10153, 10218, 10220, 11190(o), 11451, 11452, 11579, 11694, 11695, 12393, 12649(o), 13246, 13249, 13283, 13482, 13511, 13517(o), 13524, 13561, 13562, 13583, 13631, 13668
- var. bistriata Skv. 13758(o,p)
andicola (Cl.) Hust. 9801
arctica Cl. 8981(p)
atacamae Hust. 7150
baikalensis Skv. et C.Meyer 13756(o,p)
baldjikii var. podolica Missuna 9719, 9720

biasolettiana (Kütz.) Grun. 7054, 7973, 9057, II529, II579, II694, I3668
- var. biasolettiana 8687, 869I, 8700, II45I
- var. sublinearis Grun. II579
borealis A.Cl. 7I32, 7973, 830I, 8738, 878I, I02I8(o), I320I, I3354, I3526
bottnica Cl. I02I8(o), I0220, I3706
boyei Östr. I2320(o)
brevipes Ag. 7I64, 7530, 753I, 8254, 853I, 8738, 8899, 8902, 898I, 9029, 9220, 9367, 9456, 9649, 9720, 980I, I0I37, I0I44, I0I45, I0673, II085, II279, II537, II57I, II579, I2004, I2I30, I2I40, I286I, I3I62, I3249, I3269, I3499, I35I7(o), I3668, I3706
- var. angustata (Grev.) Cl. II442
- var. brevipes 7349, 7354, 9459, 9463, 9720, I0I02, II083, II442
- var. intermedia (Kütz.) Cl. 7I88, 7349, 8034, 8038, 90I8(o), 9220, 9444, 9445, 9456, 9457, 9459, 9463, 9720, 980I, I0468, I0548, II537, II579, I2937, I2939, I3249, I3269, I3522, I3524, I3668, I375I
- - f. rostrata Kar. 9462(o,p)
- var. neogenica Milov. I0468
- var. parvula (Kütz.) Cl. 8034, 9029, 9087(p), 9220, 9457, 9459, II579, I3249
calcar Cl. 7054, 7I32, 7973, 8738, 878I, I0683 II45I, II452, I3206, I3354, I3526, I3756(o,p)
- f. baikalensis Skv. I320I
- var. calcar 8687, 869I, 8700(p)
charcotii M.Perag. 7733, 7735
clevei Grun. 8694, 8738, 878I, 8976, 9057, 9356, 9362, 97I7, I0099, II695, I3I68, I3206, I3354, I3646, I3647, I3668
- var. amphicephala Grun. 7222
- var. clevei 8423, I02I8, I0220, II694
- var. rostrata Hust. 9057, 9362, I02I8, I0220, II694, I3I68, I320I, I3668, I3756(o,p)
coarctata (Bréb.) Grun. 7I50, 7973, 9442(o), 9444, 9445, I0I69, III17
- var. elliptica Krasske II694, I3668
conspicua A.Mayer 7530, 8800, 880I, 9057, I0099, I04I2, II695, I3I68, I35I9, I3668
- var. brevistriata Hust. 7054, 8700, 9057, I0548, II694, I3I68, I3283, I3668, I3706
- var. conspicua II694
delicatula (Kütz.) Grun. 9749(o), 980I, I0220, I0548, II57I, II579, II694, I3706
- var. delicatula 8423, 9457, 9459, III84, I3283
- var. genuina Cl. I02I8
- var. wislouchii Poretzky II442
depressa (Cl.) Hust. 7973, 9749(o), I3524
dispar Cl. 7054, 7973, 878I, I0220, II694, I3668
- var. angustissima (Jasnitsky) Sheshuk. 1I930
- var. capitata Jasnitsky I3009, I30I0
- var. dispar 8700, 9464(o), II45I
diversa A.Cl. 7054, 869I, 8700, II45I, II452
elliptica var. elongata A.Cl. I3I68
- var. rostrata A.Cl. 7054, 8687, 869I, 8700
exigua Grun. 7054, 7973, 8038, 878I, 9057, 9362, 980I, I0099, I02I8, I0220, I0646, I0956, II529, II695, II866, I2347, I3I68, I3646, I3668
- var. baikalensis Skv. II694, I3756(o,p)
- var. capitata Hust. 878I, III84
- var. compacta Hust. 878I
- var. constricta Torka I3I68
- var. exigua 8700(p), II694, I22I7
- var. heterovalvata Krasske 7973, 8423, 9057, II694, I3I68, I363I, I3668
exilis Kütz. 8266, 980I, II694, II695, I3668, I3750
flexella (Bréb.) Brun 8266
fragilarioides Boye-Pet. 830I, II694, I3654
fragilis Skv. I3757(o,p)
gibberula Grun. 9444, 9445, 980I, I0646, I0975, I27I0, I35I7, I3526
- var. interrupta Poretzky et Anissim. I0956
gracillima Hust. 7054, 7222, 869I, 8700, I0I48, III90(o), I3503, I3504, I35I7(o), I3524
grimmei Krasske I0I48, I0956
groenlandica (Cl.) Grun. 7I30, 7I32, 7I37, 8384, 8738, 9000, 9029, 9087, 972I, I020I, II085, II9I0, I3I60, I3I62, I3353, I3694
hastata Skv. et C.Meyer I3756(o,p)
hauckiana Grun. 7054, 7I50, 7I87, 7I88, 7507, 7973, 8738, 869I, 878I, 9057, 9356, 9749(o), 980I, 98I9, 9932, 9938, I0099, I0I02, I0I90, I0902, II085, III90(o), II442, II57I, II578, II579, II694, I2I89, I27I0, I2938, I3I68, I3269, I3354, I35I7, I3646, I3647, I3668, I3706, I37I3, I372I
- var. hauckiana 8423, 8700, I0468, II083, I3283
- var. rostrata Schulz 8034, 8423, 8738, I0468, II57I, II578, II579, I3269, I35I7(o)
hungarica Grun. 7I85, 8038, 8922, 9447(o), 980I, I0548, II222, II694, II866, I2347, I3I68, I3246, I3269
inflata (Kütz.) Grun. II866, I3I68
jentzschii (Grun.) Schulz 9749(o), 9932, I02I8, I0220, II694
kamczatica Lupik 8293, I04I2, I04I3(o,p)
koshovii Jasnitsky 9749(o)
kriegeri Krasske II694
kryophila Boye-Pet. 9444, 9445, I0532, II424, II529
lacus baikali Skv. I3756(o,p)
lanceolata (Bréb.) Grun. 7054, 7I32, 7I50, 7I85, 7I87, 753I, 7973, 800I, 8038, 830I, 878I, 90I8(o), 9057, 9220, 9356, 9357, 9360, 9362, 9442(o), 97I5, 9749, 980I, I0080, I0I29, I0244-I0246, I0248, I0388, I0646, I0683, I0955, I0956, III90(o), II3II, II529, II695, II866, I2320, I2347, I250I, I2938, I3I68, I320I, I3246, I3249, I3269, I327I, I3499, I35I7(o), I35I9, I3522, I3524, I3525, I3668, I3756(o,p)
- var. baikalensis (Skv.) Sheshuk. 7I42, 9748(o), II688, I3246
- var. capitata O.Müll. 9445, I02I8, I0220, II866, I35I7(o), I3668
- f. capitata O.Müll. 8423, 9057, 9444, 975I, 980I, I2320, I3I68, I3246
- var. elliptica Cl. 7054, 7I32, 7I50, 7973, 830I, 8423, 8700, 8738, 8825, 9057, 9379, 9385, 9444, I0099, I02I8, I0220, I07I5, I0902, III28, II3II, II45I, II694, II695, I2320, I2579, I3I68, I320I, I3246, I3249, I3354, I35I9, I3524, I3525, I3668, I3706, I3756(o,p)

- var. lanceolata 8700, 9444, 9721, I02I8, I0247, III28, III84, III94(o), II45I, II695, I2650, I27I0, I3283
- - f. capitata O.Müll. II694
- - f. lanceolata I0220, II694
- - f. rostrata (Östr.) Hust. I0220
- - f. ventricosa Hust. 9721
- f. lanceolata I0008
- f. minor Schulz I3I68
- var. minuta (Skv.) Sheshuk. 9057, 9444, I02I8, I3246, I3668
- var. robusta Hust. 98I9
- var. rostrata (Östr.) Hust. 7054, 7973, 830I, 8423, 8700, 8738, 9057, 9444, 980I, I0099, I02I8, I0248, I0548, I0646, I0902, I0939, I0956, III85, III90(o), III94(o), II579, II694, I2320, I2347, I2579, I2649(o), I27I0, I3I68, I3246, I35I7(o), I35I9, I363I, I3668, I3706, I3756(o,p), I3758(o)
- var. ventricosa Hust. II694, I02I8, I0220, I3246
- f. ventricosa Hust. 8038, 9057, 9442(o), 9444, 9749(o), I2320
lapidosa Krasske I0I69(p)
- f. robusta Moiss. 8293, I04I2, I04I4, I0900-I0904
lapponica Hust. I3I68
laterostrata Hust. 7054, 7973, 869I, 8700, 8738, I0683, II424, II45I, II529, II694, I27I0, I3668
linearis (W.Sm.) Grun. 7054, 7489, 8976, 9057, 980I, I02I8, I0220, I0646, II579, II930, I2320, I2723, I3354, I35II, I3526, I3583, I363I, I3668, I3757(o,p)
- var. linearis 8700, II45I, II694
- var. pusilla Grun. 7054, 8700, 980I, II45I, II694, II695, I2320, I3354, I35I7(o), I3522, I3757(o,p)
longipes Ag. 7348, 735I, 8034, 8527, 853I, 8738, 92I4, 9220, 9457, 9459, 9720, 9972, I0I36, I0I37, I0I42, I0I44, I0I45, I0772, I0803, I0808, II083, II085, II537, II57I, II572, II579, I2I30
lyrata Pr.-Lavr. II80I(o,p)
marginulata Grun. I0I69, IIII7, I320I
meyeri Skv. I320I, I3756(o,p)
microcephala (Kütz.) Grun. 980I, I0245, I0956, III84, III94(o), II694, II930, II932, II933, II935, I2347, I3249, I3482, I35I7(o), I3526, I3668
minutissima Kütz. 7054, 7I85, 7I86, 762I, 7973, 8309, 9220, 9362, 9649, 980I, I0080, I024I, I0248, I0305, I0646, I0956, III90(o), II529, II695, II88I, I2052, I3I63, I3I68, I3249, I3482, I3499, I35I7(o), I35I9, I3522, I3583, I363I(p), I3668, I3757(o)
- var. cryptocephala Grun. 7054, 7I88, 7973, 8685, 8687, 869I, 8700(p), 8738, 9362, I0I48, I0220, I0245, I0268, I0956, I0975, III90(o), III94(o), II45I, II694, I22I7, I2649(o), I3I68, I3249, I3354, I35I7, I3522, I3668, I3758(o)
- var. minutissima 8700, I02I8, I0220, III94(o), II45I, II694, I2649(o)
miocaenica Moiss. 8988, I0899, I0900, I0902-I0904
nitida A.Cl. II694
nodosa A.Cl. 9749(o), 975I, I0I52, I02I8, II424, I3668
oestrupii (A.Cl.) Hust. 7054, 7I32, 7973, 869I, 8738, 878I, 8976, I0220, I0683, I0902, II3II, II45I, II452, II694, I320I, I3206, I3354, I3756(o,p)

- var. minor A.Cl. I02I8
- var. minuta Skv. I3756(o,p)
- var. oestrupii 8700(p), I02I8
peragalloi Brun et Herib. 7054, 7973, 830I, 869I, 8700, 873, II45I, II694, I2320, I2405, I3756(o,p)
pinnata var. japonica Hust. 9057
- f. robusta Moiss. I0900, I0902-I0904
profunda Skv. I320I, I3756(o,p)
rupestris Krasske I3668(o,p)
scutiformis Moiss. 8293, 8988, I0900-I0904
septata A.Cl. 8738, II083, II085
skwortzowii Jasnitsky I02I8(o), I0220
striata Skv. et C.Meyer II688, II694, I2320, I320I, I3756(o,p)
- var. rostrata Skabitsch. I320I
suchlandtii Hust. II529, II694
taeniata Grun. 8738, 898I, 9002, 9I24, 9I95, 9568, I0080, I0I95, I0548, II087-II089, II093, III90(o), I2055, I27I0, I289I, I2892, I3I60, I3645
unipunctata Missuna I0468

Achrodina
pulchra 7063

Acicularia d'Archiac
sp. sp. 9I24, 983I, I0564
dubossariensis Masl. I0584(o,p)
- var. minima Masl. I0584(o,p)
eocenica Morellet I0608(p)
italica Clerici 7I5I, 7I52, II462

Acinetospora Born.
crinita (Carm.) Kornm. 9245, I0222, II377(o), II378, II379, II409(o), II4I0-II4I2, II423, I3669, I3687

Aclistochara Peck
sp. sp. I0I68, I3752
bransonii Peck 9497
brotzenii H. af R. I2096-I2098
kisilcumica V.Nikolsk. II095(o,p), II097
nana (Lu) H. af R. 8757(o)
triassica Said. I2097-I2098

Acrochaete Pringsh.
parasitica Oltm. 7365, 9II8, 9I23, 9I24

Acrochaetium Näg.
sp. sp. 8054, I2664
daviesii (Dillw.) Näg. 7937(o), 9II8, 9I23, 9I24, 9245, I0222, II384
kurilense (Nagai) Papenf. II384
leptonema (Rosenv.) Börg. 7937(o)
strictum (Rosenv.) Hamel. 9245
thuretii (Born.) Coll. et Herv. 7I6I, 7I64, 7362, 9030(o), 903I, 9033(o,p), 9II8, 9I23, I0563(o), II42I, II423

Acrochasma Korsch.
uncum Korsch. I0646

Acrosiphonia J.Ag.
sp. sp. 7608, 76I0, 76II, 76I5, I0II0, II384, I2064, I2537(p), I2604
albescens Kjellm. II378
arcta (Dillw.) J.Ag. II380(o,p)

- f. arcta (Dillw.) J.Ag. II380(o)
- f. binderi (Kjellm.) Perest. II380(o)
bombycina Kjellm. 7606
centralis (Lyngb.) Kjellm. 8899, 8902, 9I20, II380(o)
duriuscula (Rupr.) Yendo 807I(o)
flagellata Kjellm. 7606, 8550, II377, II379, II380(o,p)
hamulosa Kjellm. 7606, 8550, I0II0, II378
incurva Kjellm. 7435, 7940(o), II378, II380(o)
- f. crassa Perest. II380(o)
- f. incurva II380(o)
- f. parva Perest. II380(o)
lanosa (Roth) Kjellm. 8064
penicilliformis (Foslie) Kjellm. 8550
setacea Kjellm. 9I20
sonderi (Kütz.) Kornm. 9026, II380(o,p)
spinescens (Kütz.) Kjellm. I2607
vernalis Kjellm. I0II0
Acrothrix Kylin
pacifica Okam. et Yamada 7636, 8054, I2604, I2607
Actidesmium Reinsch
hookeri Reinsch I0646, II586(o,p)
Actinastrum Lagerh.
sp. sp. 7I04, 747I, 7623, 8939, 9085, 9I49, 9752, I0I04, I0I94, I0822, II663(p), II737, I2833, I2895, I29I0, I3280, I3404
hantzschii Lagerh. 7082, 7I03, 7I05, 72I5, 7227, 7249, 7303, 7469, 7588, 7593, 762I, 7623, 7628, 7702, 7757, 7993, 800I, 8038, 8I47, 8202, 852I, 8554, 8555, 8873, 8879, 8924, 8928, 8940, 90II, 9I08, 9I35, 92I3, 9220, 9227, 9257, 9289, 9568, 9648, 9694, 9755, 9800, 980I, 9882, 99II, 99I2, 9944, I0039, I004I, I0046, I0077, I0080, I0082, I0I95, I024I, I0243, I0245, I0362-I0365, I0396, I0646, I0706, I0866, I0905, III90(o), III98, II537, II586(o,p), II672, II673, II739, II830, II859, II860, II864, II866, II933, II965, I2052, I2055, I220I(o), I2324, I2327, I233I, I2333, I2336, I2356, I2379, I24I4-I24I7, I24I9, I242I, I2478, I2482, I2505, I2906, I2932, I30I2, I30I4, I3027, I3I20, I3I27, I3I29, I3I56, I3I59, I3202, I3246, I3249, I3267, I3273, I3373, I3504, I35I7(o), I3594-I3595, I3689, I37I3, I3736
- var. fluviatile Schröd. 800I, 89I6, 9289, 9340, 980I, I0080, II537, I3274, I3287, I3373, I3689, I373I
- f. fluviatile Schröd. 89I6, 9289, 9568, 9959, I0276, I0280, I35I7(o), I3526
- var. gracile Roll 800I, 8038, 8I06, 8555, 8859, 92I3, 9340, 9748(o), 980I, I0008, I0046, II672, II673, II675, II736, II739, II860, II866, II967, I24I9, I3026, I3I77, I3266, I3270-I3272, I3274, I3284, I3294, I3530
- var. hantzschii 7465, I0008, I0044, II675, I3270-I3272, I3274, I3294
rhaphidioides Brunnth. 9959, I0280, I2356- I2359
Actinella Lewis
sp. sp. I3I70
brasiliensis Grun. 783I, 8422, I04I2, I04I4, I0900, I0904, III23, I3I69, I3365
- var. brasiliensis I0902

- var. cuneata Moiss. I0900-I0903
punctata Lewis I0956
Actiniscus Ehr.
sp. sp. 8738, 972I, I3363
pentasterias Ehr. 8048-8049(o,p)
Actinochloris Korsch.
sphaerica Korsch. 7373, 7376, 7377, 7676, 7678, 7749, 7750, 7754, 7755, 9749(o,p), IIII7, I2I95, I2809, I28II, I3434, I3439, I3453
Actinocyclus Ehr.
sp. sp. 7536, 8738, 8979, 898I(p), 8990, 8995(p), 97II, 97I3, 9720, I0384, II980, I3353, I3724
crassus V.H. 9I24
curvatulus Jan. 7530-7532, 8976(p), 8979, 898I(p), 8994, 9002(p), 9029, 9705, 97II, 97I6, II9I0, I3649
divisus I.Kiss. 749I, 7494, 753I, 8976(p), 898I(p), 8982, 8984, 8995, 8999, 9002(p), 97I6, 990I, I0332, I037I, I0389, I039I, II980, I3649
ehrenbergii Ralfs 7I44, 7530-7532, 7534(p), 7536, 7868, 7869, 7956, 8253, 8254, 8527, 8738, 8763, 878I, 8784, 896I(p), 898I, 8990, 8994, 9002, 9I24, 9I32, 9220, 9242, 9356, 9357, 9360, 9568, 98I9, I0079, I0080, I02I3, I0276, I0280, I039I, I0772, I0803, I08I4, I0982, II087, III26, II334, II537, II542-II547, II696(o), I3I6I, I3I64, I3I65, I3I7I, I3249, I3495, I3576, I3645
- var. crassus (W.Sm.) Hust. 7597, 7973, 8254, 8738, 9220, 9720, 972I(p), I27I0, I3206
- var. ehrenbergii 7I44, 7348-7354, 896I, 9457, 9720, 972I(p), I0283, I0462, I0463, I0469, II085, I27I0
- f. minutus Pant. I3363(o,p)
- var. ralfsii (W.Sm.) Hust. 8254, 8738, 898I, 9220, 9356, 98I9, II085, I27I0
- var. sparsus (Greg.) Hust. 8246, 8738, 898I, I2I52
- var. tamanicus Jousé 97I9, 972I, I3363(o,p)
- var. tenellus (Bréb.) Hust. 7353, 7354, 7534(o), 7536, 8246, 8253, 8254, 8737, 8738, 878I, 896I, 898I, 97II, 972I(p), I037I, I0462, I0469, I0978, I0982, II545, I3363(o,p), I3495
ellipticus Grun. 7532, 7536, 8990, 8994, I0976, I0978, I0982, I2228
- var. elongatus Grun. 9002(p), 97I3, I0976(p), I0982, I0983
- var. lanceolatus Koble 9002(p)
- f. lanceolatus Koble 8990, I0976(p), I0982(p), I0983
- var. moronensis Grun. 8990, 97I3, I0976(p), I0982
ingens Rattr. 97II, 972I, 9873, 9874, I037I, I0982, I3358, I3362
kisselevii Makar. 9720, I0462(o,p)
nebulosus M.Perag. 8254, 8738
ochotensis Jousé 7532, 8977(p), 8979, 8982, 899I, 8993(o,p), 8994, 8995(p), 9002(p), 97I6, I0389, I039I, I2228, I3649
octonarius Ehr. 97II
oculatus Jousé 8977(p), 8979, 8982, 899I, 8993(o,p), 8995(p)
paradoxus Makar. 8979, I0470, I0474, I0479(o)
podolicus Missuna 97I9, 9720
radiatus Rattr. 9000(o,p), 9002(p)
subtilis (Greg.) Ralfs 7532, I2228
tenellus (Bréb.) Hust. 9220

tougaruensis Kanaya 8990, I0982
Actinodictyon Pant.
sp. sp. I2534
Actinophycus Korde
sp. sp. 9823, 9833, I2754
gracilis Korde I2752
kordeae Vologd. I2752
obrutschevii Korde I2752
Actinoptychus Ehr.
sp. sp. 7827, 7829, 8370, 994I, II8I5, I253I, I2534
adriaticus var. balearicus Grun. 9720
- var. pumilus Grun. 9720
areolatus (Ehr.) A.S. 7868, 7869, 9029, 9I95, I0386(o,p), I2529, I3I60, I3I6I, I3I65, I3363(o,p)
bipunctatus Lohm. 7530, 753I, 898I, 8994, 9002(p), 97II(p), 97I3(p), I0982
campanulifer A.S. 898I(p), 97II, 97I3
heterostrophus A.S. 82I9, II3II, I2529, I2536
hillabyanus var. corallinus Brun 8365, 8368(o,p), 8370(p)
intermedius A.S. 8355, 8364(p), 8365, 8370, II334
leptomitos Pant. 8365
- f. spinulosus Gles. et Sheshuk. 8368(o,p), 8370
pericavatus Temp. et Brun 8365, 8370, I2527(o,p)
perisitosus Brun I3353
seductilis A.S. 845I, 9952, II334, I2529
senarius Ehr. 97II(p), 97I2, 97I3(p)
sibiricus Param. II333(o,p), II334
simbirskianus A.S. II334, I2529, I2536
similaris Sheshuk. et Gles. 8370(p), I3364(o,p)
splendens Ralfs 753I, 898I(p)
undulatus (Bail.) Ralfs 7054, 7530-7532, 7827, 7829, 7868, 7869, 7954, 7973, 8I48, 8253, 8254, 8422, 8690, 8737, 8738, 878I, 8976(p), 8979, 898I(p), 9002(p), 9029, 9I24, 9I95, 9220, 9353, 97II, 9713, 9873, 9874, I037I, I0379, I0380, I0384(p), I0388, I0391, I04I4, I0939, III68, II9I0, II334, II537, II980, I2898, I3I60, I3I6I, I3I64, I3I65, I3I7I, I3206, I3353, I3354, I3363(p), I3495
- var. minor A.Cl. 972I, 9873, 9874
- f. minor A.Cl. 898I, I3353
- var. octoplicatus A.Cl. 8364, 8370, I04I4, I3353
- f. octoplicatus A.Cl. 8365
- f. pacificus Jousé 898I
- var. spinosus Jousé 898I
- var. tamanicus Jousé 7827, 7829, 8738, 97I9-972I, I04I4, I0462(o,p), I3353, I3363(p)
- var. undulatus 8364, 8365, 8370, 8690, 972I, 9873, I0462(o,p)
vulgaris Schum. I04I4, I3358, I3362
- f. orientalis Sheshuk. I3353(p)
Actinotaenium (Näg.) Teil.
sp. sp. 8303
crassiusculum (De Bary) Teil I0I60
cucurbita (Bréb.) Teil. I0I62
- var. attenuatum G.S.West I0I60
- var. cucurbita f. cucurbita I0I60

- - f. latior West I0I60
- var. magellanicum (Borge) Teil. 8306
- f. minutus 8308
cucurbitinum (Biss.) Teil. I0I60
curtum (Bréb.) Teil. I0I60
diplosporum (Lund.) Teil. I0I60
mooreanum (Arch.) Teil. I0I60
palangula (Bréb.) Teil. I0I60
rufescens (Cl.) Teil. I0I60
turgidum (Bréb.) Teil. I0I60
wollei (Grönbl.) Teil. I0I60
Actinotheca Cook. et Eis.
aphroditae Cook. et Eis. 8048-8049(o)
Actinotrichia Decne
fragilis (Forsk.) Borg. 8056
Aegagropila Kütz.
sp. sp. I2338
agardhii Kütz. I3645
compacta C.Meyer 7547, 7548, 9260, 926I, 9670, II688, I2329
globulus C.Meyer I2329
pulvinata C.Meyer 7547, 7548, 9260, 926I, II688
pygmaea C.Meyer 7548, 9262, II688, I2326(o,p), I2329(o,p)
sauteri (Nees) Kütz. 830I, 8308, 9I09, I0959, I3309, I3532, I363I
- f. profunda (Brand) Heering I362I, I363I, I3673
Aeniqmolithus Vischnevsky et Menjajlenko
sp. sp. 7976(o,p)
Aeodes J.Ag.
lanceolata Okam. 8054, I2609
Aeolisaccus
dunningtonii Elliott 9827, 983I
Agarum Bory
sp. sp. 8073, 9I56, II385, I2603, I2605, I3402
cribrosum (Mert.) Bory 7636, 8054, 807I, 8590-8592, 9I75, I2064, I2606, I2607, I2609, I2664, I3260, I3633
turneri Post. et Rupr. I2604
Aglaozonia Zanard.
sp. sp. I0372
Ahnfeltia Fries
sp. sp. 7637, 7685, 7688, 7689, 8059, 8283, 8285, 8286, 8288, 8546-8548, 8590, 8592, 8774, 8862, 9062, 9I59, 9377, 9528-9530, 9539, 9546, 9735, 9809, 9862, 99I4, I0409, I0436, I0452, I0483, I0484, I0764, II309, II330, II385, II567, II632, II776, I2I6I, I2I63, I2538, I2609, I3II3, I3I74, I3257, I3335, I3399-I340I
fastigiata (Post. et Rupr.) Makijenko I0482, I0484(o,p)
paradoxa (Sur.) Okam. 8054
plicata (Huds.) Fries 7259, 7520, 7577, 760I, 76I2-76I4, 7766, 8054, 8060, 8064, 8070, 8073, 8275, 8277, 8279, 8284, 8288, 8549, 859I, 9I24, 9I52, 9I69, 9406, 9540, 954I, 9979, I048I-I0483, I0484(o,p), I0485(o,p), I068I, II3I0, II358, II833, I2I58, I2I59, I2I69, I2607, I3029, I3II6, I3220-I3222, I3402, I3633
- f. setosa Gail I0484
- f. tenuior Lyngb. I0484(o)

Центральная научная библиотека Академии наук Грузинской ССР
546146

f. tenuis Ag. I0484(o)
var. tobuchiensis Kanno et Matsubara I048I, I0484
- f. tobuchiensis Kanno et Matsubara 9543, I2I69
tobuchiensis (Kanno et Matsubara) Makijenko I0482, I0483, I0484(o,p)
Ajaxmalajasoria Korde
sp. sp. 9833
Alaria Grev.
sp. sp. 7600, 7602, 805I, 8058, 8063, 8278, 9I2I, 9I56, I0409, II377, II379, II385, I2603, I2605, I2664, I3260, I3403, I3735
angusta Kjellm. 805I, 8054
crassifolia Kjellm. 8060, 8070, 9I24, I2604, I2606, I2607, I3633
dolichorhachis Kjellm. 8054, 8060, 8070
elliptica Kjellm. 7II8, 9406
esculenta (L.) Grev. 7II8(p), 7429, 7430, 7433, 7603, 7604, 7608-76II, 76I5, 8064, 8550, 855I, 9026, 9I2I, 9I24, 9406, 954I, 9978, I0II0, II607, II780-II783, I3686, I3708
fistulosa Post. et Rupr. 8054, 8070, 8073, 9I24, I2064, I2572
grandifolia J.Ag. 7606, 9I2I, 9406
macroptera (Rupr.) Yendo 8054
membranacea J.Ag. 7II8, 9I24, 9I54, 9406, I3708
ochotensis Yendo 8054, 8073, 9I24, I2606
praelonga Kjellm. 76I2-76I4, 8060, 8070, I2064
pylaii (Bory) J.Ag. 7II8
taeniata Kjellm. 8054, I2064
tenuifolia Setch. 76I3, 76I4
Aldanella Kolosov
sp. sp. 9740(o)
monstrata Kolosov 9740(o,p)
Altochara Said.
continua Said. I032I, I0323, I2I08(o,p)
delicata Said. I2I08(o,p)
lipatovae (Kis.) Said. I032I, I0323, I2I08(o,p)
luetkevichii Said. I0322, I0323
Amblyochara Gramb.
sp. sp. I0602(o,p)
neogenica Gluchovskaja 8374(o,p)
perpolita Gluchovskaja 8374(o,p)
tribulata Gluchovskaja 8374(o,p)
volgaensiformis Gluchovskaja 8374(o,p)
Amgaella Korde
sp. sp. 9823, 9828, I3094
amganensis Korde 982I(o,p), 9822(p), 9833
Amganella Reitl.
sp. sp. I0572, I2077, I2753
glabra Krasnop. 9968, I04I5, I25I3
procurva Titor. 9697
Amgina Korde
sp. sp. 9833
Amicus Masl.
sp. sp. 9823, I0534, I3233, I3236
fortunatus Masl. 7I76(o,p)
Amorphonostoc Elenk.
sp. sp. 7030, 7375, 7378, 7992, 8259, 838I, 8593, 866I, 8664,

I0265, I0920, I097I, I2094, I2653, I2698, I2878, I343I

paludosum (Kütz.) Elenk. 7I8I, 7I84, 7I86, 7225, 7373, 7376, 739I, 7672, 7749, 7750, 7753, 7754, 7867, 7990, 8038, 8257, 8570, 8593, 8825, 9285, 9289, 9292, 9552-9557, 96I7, 9649, 9656, 9694, 980I, 9875-9878, I0026, I0I26, I07I5, I095I, I0968, I0975, IIII2, IIII3, IIII7, III90(o), II26I, II386-II390, II392, II479, II483, II702, II705, II706, II720, II762, II866, II878, II893, II898, I209I-I2093, I2I95, I2390, I2449, I2474, I2643, I2652, I2656, I28II, I30I3, I3426, I3433, I3453, I35I8, I3544, I3666

- f. entophytum (Born. et Flah.) Elenk. I0026
- var. longius Kossinsk. 7983
- f. longius Kossinsk. I0026, I28II, I28I3, I28I5

punctiforme (Kütz.) Elenk. 7I8I, 7225, 7373, 7376, 7390, 739I, 7599, 7749, 7750, 7752-7755, 7676, 7867, 8038, 8I72, 8I73, 8428, 8456, 8457, 8462, 8463, 8486, 8570, 8593, 8594, 8642, 8644-8647, 8660, 8662, 8663, 8874, 9243, 9285, 9554, 9557, 9654, 9656, 9657, 9666, 9749(o), 980I, 98I8, 9875-9878, I0026, I0066, I0068, I0I26, I0658, I07I5, I0736, I095I, I0952, I0964, I0965, I0968, I0970, I0972, IIII2, IIII3, IIII7, III35, III90(o), II26I, II386-II390, II392, II396, II442, II484, II524, II578, II705-II707, II7I9, II720, II797, II866, II878, II897, II898, I209I, I2093, I2I94, I2I95, I2239, I2244, I2285, I229I, I2292, I2308, I2449, I2474, I2574, I2655, I2680, I2689, I2699, I2700, I280I, I2809-I28II, I2875-I2877, I295I, I2952, I2962, I2986, I2987, I3305(p), I3426-I3428, I3433-I3435, I3453, I3458, I3459, I35I8, I3526, I3544, I3657, I3666

- f. polymorphum Kukk 7377, 8460, I0026
- f. populorum (Geitl.) Hollerb. 7225, 7373, 7750, 7753, 8593, 9285, 9656, I0026, I0I54, I0I55, I0834, I0835, I0964, I0968, I0972, IIII7, III35, II479, II480, II483, II720, I28I3, I28I5, I2879, I2880, I3657, I3666

Amphidiadema Cook. et Eis.
denticulata Cook. et Eis. 8048-8049(o,p)
Amphidiniopsis Wołosz.
kofoidii Wołosz. I27I0
Amphidinium Clap. et Lachm.
sp. sp. 75I2, 8760, 96I9, 9687, I0475, I0886, II866, I2I53, I2447, I3009, I30I0, I30I3, I3750

aculeatum Schrank 9220
acutissimum Schill. 8763, 9787, 9788, I2I53
conradii (Conr.) Schill. 8292
conus Schill. 8763
crassum Lohm. 92I4, 92I5, 9220, I2I53
cucurbita Kof. et Sw. 9220
curvatum Schill. 9220
elenkinii Skv. I0360(o,p)
extensum Wulff 7952, 7954, 9220, 96I9, I2892
flagellans Schill. 7956, 9220, 96I9
globosum Schröd. 8763, 9220
kesslitzii Schill. 8763

klebsii Kof. I02I0, II605-II606, I3005
lanceolatum Schröd. 7956, 8763
latum Lebour I2I53
longum Lohm. 9220
oceanicum Lohm. I2I53
operculatum Clap. et Lachm. 9220
ovum Herdm. 8763, 9220
phaeocysticola Lebour 9220
schroederi Schill. 8762, 8763, I084I, I2I53
sibiricum Vozzhen. 8048-8049(o,p)
sphaenoides Wulff I0888, II994, I2004
Amphidoma Stein
sp. sp. 9598
Amphikrikos Korsch.
minutissimus Korsch. 980I
Amphipleura Kütz.
sp. sp. I3274
pellucida Kütz. 7I88, 800I, 8038, 8266, 830I, 9298, 9443(o), 9444, 9694, 980I, 9932, I02I8, I0220, I0956, I0975, III90(o), III94(o), II694, II695, II88I, I2320, I3249, I3352, I3668
rutilans (Trentep. ex Roth) Cl. 74I5, 7435, 7685, 9220, 9456, 9457(p), 9459, 9463, I0548, I0955, II085, II336, II42I, II442, II537, II570, II579, II694, I3354, I3526, I3668
serians var. brachysira (Bréb.) Hust. I3524
Amphiprora Ehr.
sp. sp. 706I, 7223, 7348, 8595, 8597, 8725, 898I, 9056, 9972, I02I0, I02I4, I0546, I0886, I0888, II083, I2384
alata (Ehr.) Kütz. 7I83, 7I87, 7I88, 8034, 92I4, 9220, 9648, 9649, 9694, 9720, 980I, I0077, I0080, I0548, I0956, II579, II694, I27I0, I2936, I3249, I35I7(o)
- var. japonica Cl. 9694, I3499, I35I7(o)
- var. maeotica Pr.-Lavr. 9720
gigantea var. septentrionalis (Grun.) Cl. I289I, I2892
hyperborea (Grun.) Gran 82II, 898I, 9I24, I00I7(o), II994, I2004, I289I, I2892, I2955, I2956
kjellmanii Cl. 9000(o,p), 9002(p), I289I, I2892
- var. kariana Cl. 9702, 9703(p), 9704, 9708, 97II
oestrupii V.H. 7735(p), 9703
ornata Bail. 7054, 8700, I0008, I0080, I0082, I02I8, I0220, I0822, II694, II695, II366, I22I7, I358I, I3668
paludosa W.Sm. 72I5, 8034, 8038, 8604, 87I5, 880I, 9I34, 9220, 9242, 9292, 9648, 9649, 980I, I0I36, I02I8, I0220, I0276, I0280, I0548, I0772, I0803, I0955, II285, II336, II442, II537, II579, II694, I238I, I2579, I3I56, I3249, I3269, I35I7(o), I363I, I3727
- var. duplex Donk. 8034, I0548, I35I7
- var. issykkulensis I.Kiss. I0548, I0549
- var. paludosa 9457, I27I0, I3274, I3283, I3294
- var. subsalina Cl. 7222, 8034, 92I4, 9549, 980I, I0548, II579, II860, I27I0, I3269, I327I, I3522
Amphiroa Lamour.
cretacea (Post. et Rupr.) Aresch. 8054, 8060, 9I24, I2664
ephedraea Dcne 8054
rigida Lamour. 8054, 859I, I2I60

Amphisolenia Stein
sp. sp. 7063, I2223, I2669
astragalus Kof. et Mich. 7063
bidentata Schröd. 706I, 9I38, 9I4I, 9604, 9665, I00I5, I00I6, I2I53, I2223, I2594-I2599, I2669
bifurcata Mur. et Whitt. 706I, 9I4I, I2I53
clavipes Kof. I2597
globifera Stein 922I, I00I4, I0888, I0892, I2I53, I2223, I2597
lemmermannii Kof. I2I53
quadrispina Kof. I2669
quinquecauda Kof. I2223
schauinslandii Lemm. I2597
schroederi Kof. I2597
trinax Schütt 9I38, I0092, I2223, I2594, I2595, I2597, I2669
Amphora Ehr.
sp. sp. 72I5, 7506, 7507, 7534(o), 7536, 7620, 783I, 8038, 8254, 8365, 8370, 8438, 8603, 8738, 88I6, 92I4, 9289, 93I2, 9379, 9457, 9502, 957I, 9572, 9580, 97II, 9720, 9748, 9749(o), 9903, 9959, 9972, I0008, I0099, I0I36, I02I0, I0220, I0226, I082I, I0956, II078, II083, II424, II572, II605-II607, II7I2, I20I9, I2223, I24I4, I286I, I2933, I3009, I30I0, I30I2, I30I4, I3249, I3254, I3267, I327I, I3274, I3283, I3294, I3353, I3354, I3499, I3505, I35I9, I3523, I3706, I37I3
ajajensis Skabitsch. I320I
angusta (Greg.) Cl. 8034, 8527, 9220, I0673, II537, II57I, II579, I3706
- var. angusta 9459
- var. ventricosa (Greg.) Cl. 9000, II083, II085, I3706
antarctica Hust. 9000, 9703, 9705
arcus Greg. II442
- var. arcus II083, II085
- var. sulcata A.S. II083, II085
arenicola Grun. 7I64
- var. arenicola I0468
beaufortiana Hust. II083, II085
bigibba Grun. var. bigibba I0226
coffeaeformis Ag. 7054, 7983, 8000, 8034, 8254, 8527, 8976, 92I4, 9242, 9444, 9649, 965I, 9666, 980I, 98I9, 9959, I0I36, I0956, II279, II537, II547, II57I, II578, II579, II693, I2095, I27I0, I3249, I35I7(o), I3522, I3524, I3529, I3640, I3668, I3750
- var. acutiuscula (Kütz.) Hust. 980I, II442, I3499, I35I7(o), I3522, I3524
- var. angularis V.H. 7I64, 9457, 9649, I0956, I3499, I35I7(o), I3668
- - f. curta Poretzky et Anissim. I0956
- var. borealis (Kütz.) Cl. II694, II695, I3668
- var. coffeaeformis 7054, 8690, 869I, 8700, 9457, 9459, I0226, II45I, II452
- var. perpusilla Grun. 762I, 8034, I0956, II57I, I3668
- var. tenuissima Pr.-Lavr. 8034, II573, II806(o,p)
- var. transcaspica Boye-Pet. 7222, II579, I35I7(o), I3522
commutata Grun. 7984, 8034, 8737, 8738, 878I, 9242, 9444, 9445, 9649, 9694, 980I, 98I9, I0099, I02I8, I0220, I0548, I0955,

I0956, II579, II694, I27I0, I3499, I35I7(o), I3529, I3645, I3668
ostata W.Sm. 7I64, 9220, 972I
ostulata Skv. 7054, 7973, 869I, 8700, II45I, I35I7(o), I3756(o,p)
crassa Greg. 8738, 898I, II083, II085, I3706
- var. crassa I0226
cristodentata Skabitsch. I02I8(o), I0220, I320I
cruciata Ostf. I3645
crucifera A.Cl. 965I
cymbelloides Grun. II083, II085
decussata Grun. II083, II085
delicatissima Krasske 7676, 8034, I0I50-I0I53, I3524
delphinea (Bail.) A.S. I3I69, I3756(o,p)
elegans H.Perag. II083, II085
exigua Greg. 9087(p), I02I8, II083, II085
gigantea Grun. 9649, 965I, I3645
granulata Greg. I0226
gruendleri Grun. 9720
holsatica Hust. 753I, 8034, 898I, 9444, 9445, 980I, III94(o), II694, I2095, I3524, I3526, I3668(p), I3706
- var. holsatica 9457, 9459
- var. tenera Kar. 9459, 946I
hyalina Kütz. 8034, 8527, 92I4, 9220, 9460(o), 9790, I0673, II083, II085, II537
- var. delicatula Pr.-Lavr. II8II(o,p)
- var. impalpabilis Pr.-Lavr. II8II(o,p)
inconspicua Pr.-Lavr. II8II(o,p)
inflexa (Bréb.) H.L.Sm. 92I5, 9220
insecta Grun. 9220, I0803
interrupta Heid. et Kolbe 972I
intersecta A.S. 9720
koshovii Skabitsch. II688
laevis Greg. 8034
- var. laevissima (Greg.) Cl. 9457, II442
libyca Ehr. I02I8, I3668
- var. baltica (Br.) A.Cl. I3668(o,p)
lineolata Ehr. 8034, 9459, 980I, I3499, I35I7(o)
- var. lineolata 9457
marina (W.Sm.) V.H. 7530, 753I, 898I, 9220, 9458, 9459, II57I, II579
- var. marina 9457
- var. minima A.Cl. II579
mexicana A.S. 8976, I0468
- var. major A.Cl. 8738, 9360, 9459, 9464(o)
mongolica Östr. 8207, 9242, I02I8, I0220, I0956, II688, II694, I35I7(o), I3526, I3668, I3756(o,p)
- var. baikalensis Skv. et C.Meyer I3756(o,p)
- var. cornuta Skv. I320I, I3756(o,p)
- - f. interrupta Skv. I320I, I3756(o,p)
- var. gracilis Skv. II688, I3756(o,p)
normanii Rabenh. 8038, 8976, 9444, 9445, 980I, I02I8, I0220, I0956, II694, I3668, I3756(o,p), I3758(o,p)
obtusa Greg. I35I7(o)
- var. baikalensis Jasnitsky I320I, I3756(o,p)

ocellata Donk. 8364
ostrearia Bréb. 9220, II442
ovalis Kütz. 7054, 7I3I, 7I39, 7I42, 7222, 7296, 7297, 74[illegible], 753I, 7620, 762I, 7685, 7806, 7973, 7975, 7983, 7984, 798[illegible], 7989, 7992, 7993, 8000, 800I, 8034, 8038, 8II0, 8248, 825[illegible], 8266, 830I, 832I, 8450, 8555, 8694, 87I8, 8738, 878I, 8877, 89I2-89I4, 898I, 90I0, 9057, 9059, 9060, 9078, 9087, 9220, 9242, 9289, 9292, 9298, 9356-9358, 9360, 944I, 9444, 9476, 9504, 9568, 974I, 9748(o,p), 9749(o), 975I, 980I, 9932, 9959, I004I, I0046, I0080, I0082, I0I29, I0I53, I020I, I024I, I0254, I0246, I0280, I0362, I0388, I0388, I0393, I05I2, I05I3, I0546, I0548, I0549, I04 6, I0683, I0798, I0956, I0975, I0997, II077, III90(o,p), II222, II3II, II529, II578, II579, II866, II930, II935, I2050, I2I22, I2I24, I2272, I2320, I2343, I2346, I2347, I2350, I2405, I2482, I2652, I27I0, I2905, I2928, I2938, I30I2-I30I4, I3I62, I3I63, I3I68, I3I7I, I3206, I32I9, I3246, I3249, I3269, I3354, I35I2, I35I7(o), I3522, I3562, I3565, I3583, I363I(p), I364I, I3642, I3645-I3647, I3668, I3679, I3689, I3706, I3747, I3756(o,p)
- var. constricta Skv. I0975, I35I9, I3706, I3756(o,p)
- var. gracilis Ehr. 7984, 878I, 9057, 9059, 9362, 980I, I0046, II866, I3246, I3249, I3706
- f. gracilis (Ehr.) Cl. II223, I2347, I3I68, I3756(o,p), I3758(o)
- var. libyca Ehr. 7I88, 800I, 8423, 8694, 8737, 8738, 878I, 9057, 9059, 972I, I0939, II442, II668, I2320, I3I68, I3246, I3249, I3353, I3354
- - f. baltica (Br.) A.Cl. II694
- - f. libyca II694
- var. ovalis 7054, 8423, 8687, 8690, 8694, 8700, 9459, I0008, I02I8, I0468, I0939, III28, III84, III94(o), II694, I22I7, I2650, I327I, I3283
- - f. libyca (Ehr.) Cl. I0220
- - f. ovalis I0220
- var. pediculus Kütz. 7054, 7I39, 7I42, 7I88, 7973, 800I, 8038, 830I, 8423, 8685, 8686, 869I, 8700(p), 8738, 878I, 8784, 89I2, 8976, 9057, 9059, 9289, 9357, 9358, 9360-9362, 9459, 9568, 9580, 980I, I0046, I0080, I02I8, I0220, I0248, I0546, I0548, I0939, III94(o), II45I, II546, II578, II579, II694, II866, I22I7, I2579, I2928, I30I4, I3I62, I3I68, I3I7I, I3246, I3249, I3269, I327I, I3354, I3373, I3499, I3503, I35I7, I3519, I3522, I3526, I356I, I3583, I3756(o,p)
pediculus Kütz. I3668
- var. minor Grun. 7054, 7973, 869I, 8700(p), II45I
- var. nebulosa Pr.-Lavr. II8II(o,p)
pellucida Greg. 8266
peragallorum V.H. 9000
perpusilla Grun. 8038, 8738, 9356, 9360, 9449, 9580, 980I, I0959, II866, I250I, I2579, I35I7(o), I35I9, I3525, I3668, I3756(o,p), I3758(o)
proteoides var. varians Pr.-Lavr. I0226
proteus Greg. 8384, 8738, 898I, 9087, I0389, I039I, II57I, II579, I3706
- var. baikalensis Skv. I320I, I35I7(o), I3756(o,p)

- var. contigua Cl. II57I, II579
- var. oculata H.Perag. II083, II085
robusta Greg. 7868, 7869, 9459, 9649, II546, I3I6I, I3I64, I3I7I
rotunda Skv. I3756(o,p)
scopulorum Bréb. 9220
sibirica Skv. et C.Meyer 7054, 7973, 8690, 869I, 8700, I0I48, II45I, II688, I22I7, I320I, I3756(o,p)
- var. gracilis Skv. I3756(o,p)
staurophora (Castr.) Cl. 9456, 9459, 946I
submontana Hust. I0247
suessii Missuna 898I
terroris Ehr. 9087, II9I0, I3353, I3706
truncata Greg. II579
turgida Greg. II083, II085
variabilis Kozyr. 7I85, 97I8(o,p)
veneta Kütz. 7054, 7I83, 7I87, 7I88, 8038, 869I, 880I, 89I2, 89I3, 89I6, 8922, 9289, 9292, 9649, 9748(o), 980I, I0548, I0646, I0956, II083, II085, III90(o,p), II579, II694, I27I0, I2933, I2934, I2936, I2937, I2944, I2945, I2950, I3009, I30I0, I3499, I35I7(o), I35I9, I3522, I3668, I3747
- var. subcapitata I.Kiss. I0546, I0548, I35I7(o)
- var. veneta 8700, III94(o), I2939, I3283, I363I
Amplectostroma Vologd.
sp. sp. 8I2I(o)
ramificatum Vologd. 8I2I(o,p)
Anabaena Bory
sp. sp. 704I, 7I0I, 7I05, 7I73, 7I84, 7I85, 7I87, 72I5, 7225, 7243, 7296, 7303, 7343, 7374, 7375, 7387, 7399, 7438, 747I, 7472, 7506, 7565, 7620, 7627, 7638, 7647, 7676, 7678, 77I3, 77I7, 7732, 7752, 7754, 7764, 7777, 7799, 7805, 7877, 7984, 7994, 8029, 8038, 8I37, 8256, 8258, 8259, 8300, 830I, 8304, 8308, 83I0, 83I9, 837I, 8426, 8445, 8447, 8475, 8488, 8505, 85I3, 8524, 8543, 8604, 8605, 866I, 8666, 8667, 8676, 87I0, 8725, 8726, 8807, 8859, 8869, 8870, 8873, 8877, 89I3, 89I5, 89I6, 89I9, 8920, 8945, 90I8(o), 9024, 9I04, 9I08, 9I09, 9I49, 9I5I, 9220, 9227, 9252, 9257, 9289, 9299, 9337, 9393, 9437, 9492, 9496, 9499, 950I, 9648, 9666, 9674, 9675, 968I, 9698, 9700, 9732, 9733, 9748(o,p), 9749, 9751, 9755, 9765, 9768, 98I2, 98I9, 9820, 9838, 988I, 9883, 9892, 9943, 9944, 9959, 997I, 9987, 999I, I0006-I0008, I0022, I0023, I0029, I0039, I0040, I0044, I0046, I0048, I0088, I0I04, I0I05, I0II3, I0I48, I0I56, I0I62, I024I, I0243, I0245, I0246, I0279, I0293, I0298, I0324, I0363, I0365, I0367, I0453, I0456, I0457, I0469, I0475, I0539, I0548-I0550, I0576, I0646, I0704, I0729, I0770, I0798, I082I, I0868, I0877, I0882, I0883, I0920, I0928, I0968, I097I, I0996, II073, I0I0I, IIII2, IIII3, III35, II2I5, II259, II406, II42I, II442, II448, II45I, II457, II46I, II475, II486, II508, II548, II549, II583, II595, II66(p), II670, II67I, II690, II720, II735, II737, II746, II866, II87I, II88I, II886, II899, II93I, II933, II935, II966, I2022, I2092, I2I27-I2I29, I2I34, I2I7I, I2I75, I2I84, I2236, I2245, I228I, I2307, I2320, I2324, I2327, I233I, I2333, I2336, I2389, I2394, I24I5-I24I7, I24I9, I242I, I2428, I243I, I2445, I2449, I248I(o), I2504, I2544, I2575, I2577, I26I2, I26I7,

I2638, I2653, I2667, I27I0, I2767, I279I, I2809, I28I0, I2863, I2868, I2869, I2889, I2892, I2895, I2928, I2932, I2933, I2935, I2936, I2939, I2945, I2982, I3009, I30I0, I30I3, I3I24, I3I26, I3I27, I3I30, I3I97-I3I99, I3200, I3202, I32I3, I3245, I3246, I3249, I327I, I3272, I3274, I3294, I3347, I3374, I3375, I34I2, I343I, I3453, I3489, I3499, I3507, I35I9, I3533, I3547, I3583, I3594-I3595, I3644, I3648, I366I, I3666, I3679, I3689, I3696, I3699, I37I3, I3730, I3736, I3744, I3747
aequalis Borge 7799, 9580, 9674, 9679, 9749(o), I0026, I0798, I0956, I0975, II930, I248I(o), I3373, I35I8
- var. aequalis I0866
- f. anomala Kossinsk. 9768, II930
- f. major (Aptek.) Elenk. 9748(o,p), I3027
affinis Lemm. 7507, 7799, 7805, 7992, 800I, 8038, 8307, 8308, 9242, 9580, 9674, 9748(o,p), 9770(p), 9777-9779, 9780(o,p), 978I, 9932, I0026, I003I, I0690, II648, II650, II865, II866, I2482, I3I27, I3398, I3504, I3526, I3679
- var. minor Bachm. 8308, 9568
ambigua Rao 9656, 9669(o)
aptecariana I3I29
augstumalis Schmidle 8202, 9749, 9768, I0026, II672, II673, II683
- f. augstumalis 8308, II675
- f. incrassata (Nyg.) Elenk. 9749(o,p), I0008, I248I(o), I3373
- f. marchica (Lemm.) Elenk. III84
- f. tenuis Woronich. 8308, I0822
azotica 8892
baltica J.Schm. 9I24, 9624, I0026, II442, I27I0, I3645, I3666
berezowskii Ussatsch. 7805, 9568, I0822, III28, II596
bergii Ostf. 9I24, 9959, I0I50, I0I53, I0548, I0549, II537, II545, I2020, I30I2, I30I4, I3398, I3504, I35II, I35I7, I35I8
- var. minor (I.Kiss.) Kossinsk. 9I24, 9959, II546
- f. minor (I.Kiss.) Kossinsk. 72I7, 7350, 7353-7355, 9242, 9643, 9647, 9652, I0548, I0549, I0956, I2090, I28II, I35I7(o)
bernardinensis Chod. et Zender 8470
caspica Ostf. I0280, I35I8
catenula (Kütz.) Born. et Flah. 9694, 980I, I003I, I0956, II734, I30I3, I3323, I3526
circinalis (Kütz.) Hansg. 7993, 800I, 8038, 8473, 8700, 9289, 9568, 9580, 9687, 9749(o,p), 9778, 980I, I0026, I003I, I02I8, I0220, I0362, I0366, II45I, II455, II739, II866, I3I27, I3373, I339I
constricta (Szaf.) Geitl. 7802, 8308, 9024, 9I08, 9282, 9289, 9748(o), 9749(o), 9932, I0026, I0644, I07I5, I0955, I0956, I2I22, I248I(o), I2776, I2784, I28II, I30I0, I3456, I35I8, I3522, I363I
contorta Bachm. 800I, 87I8, 8726, 8778(o), 9024, 9289, 958I, 997I, I0026, I0II3, I0I3I, I0I79, I02I8, I0220, I0438, I0439, I0876, I0878, I0956, I0968, I0970, I0975, III83, II866, II878, II88I, I2I75, I2336, I28I9, I2878, I3008, I30I3, I3202, I3249, I363I, I3666, I3689
cylindrica Lemm. 7I8I, 7367, 7368, 7867, 8038, 8467-8469, 8489, 8570, 9285, 930I, 96I7, 975I, I0026, I0II3, I0I76, I0220, I0769, I0822, I095I, I0967, I0968, II03I, IIII7, II223,

II256, II315-II324, II386-II392, II396, II704-II707, II709, II886, I202I, I2I75, I2244, I2285, I229I, I2320, I3426, I3426, I3433, I3442, I3455, I3456
- f. hollerbachiana (Hollerb.) Elenk. 7750, 7754
- f. intermedia Elenk. 7I83, 7I87, 8038, I0026
- f. marchica (lemm.) Elenk. 8920, I0026
cylindrospora Tschern. 8778(o)
delicatula Lemm. 9047, I0026, I0220, I082I, II595, I3009, I30I0
echinospora Skuja I0026, I0II3, I0968, I35I7(o), I3689
ellipsoides Boloch. 8700(p), 9748(o), I0II3, I095I, I0959, II45I, II455
- var. ellipsoides I0866
ellipsospora (Fritsch) Obuch. 9694, III90(o), I3504, I35I8, I3526
elliptica Lemm. 8038, 9289, I0026, III28, II930
- var. elliptica I0866
flos-aquae (Lyngb.) Bréb. 7097, 7I02, 7I03, 7I09, 7II2, 7I83, 7227, 7246, 7247, 7249, 7250, 734I, 7348, 7507, 7757, 7758, 7764, 7803, 7804, 7985, 7990, 7992, 800I, 8038, 8I47, 8202, 8228, 8237, 8263, 8264, 8473, 8555, 830I, 8306, 8308, 8670, 8749-875I, 8859, 8904, 8906, 8907, 8924, 8940, 9080, 9I08, 9220, 9250, 9252, 9257, 9286, 9289, 9297, 9299, 9568, 9580, 9648, 965I, 9652, 9656, 9670, 9674, 9678, 9687, 9749(o,p), 975I, 9768, 9770(p), 9777-9779, 9780(o,p), 980I, 9820, 9938, I0006, I0007, I0026, I0027, I003I, I0046, I0080, I0II3, I0I30-I0I32, I02I8, I022I, I0276, I0280, I0283, I0292, I0395, I0402, I0455, I0644, I0769, I0798, I0822, I0868-I0870, I0876, I0878, I0906, II027, II028, III33, III69, II35I, II537, II594, II596, II597, II648, II650, II672, II673, II683, II7I2, II730, II73I, II734, II739, II865, II866, II88I, II930, I2050, I2090, I2092, I2244, I2306, I2324, I2327, I233I, I2358, I2359, I2369, I2376, I2377, I24I6, I245I, I2477, I2478, I2482, I2485, I2559-I256I, I2563, I2575-I2580, I27I0, I2993, I3008, I30II, I30I2, I30I4, I3I27, I3I29, I3I48, I3202, I3246, I3247, I3249, I3250, I327I, I3373, I3404, I3488, I3547, I3576, I3583, I3586, I363I, I3642, I3679, I3704, I3736
- f. aptekariana Elenk. 7I00, 7I04, 800I, 8038, 852I, 8720, 9008, 9009, 9448, 9580, 9687, 980I, 9882, 9932, I0026, I0870, II673, II866, I248I(o), I2927, I2928, I3I27, I3373
- var. flos-aquae III28
- f. flos-aquae 7I04, 7802, 7805, 8I97, 8307, 8908-89I0, 9932, I0044, I0220, II675, I2333, I248I(o), I3008
- f. gracilis (Kleb.) Elenk. 8038, 8307, 980I, 9959, I0026, I003I
- f. intermedia (Woronich.) Elenk. 8038, 87I8, 980I, I0008, I0I32, I0870, I087I, I248I(o), I3009, I30I0
- var. jacutica (I.Kiss.) Elenk. III28
- f. jacutica (I.Kiss.) Elenk. 7802, 7805, 8038, 8700, 9687, 9749(o), 975I, I0220, I0822, III29, II45I
- var. minor West 8473
- f. minor (West) Elenk. 8778(o), 9289, 980I, I0I33, I0975
- f. spiroides (Woronich.) Elenk. 9289, 980I, 9959, I0026, I248I(o)
- f. truleasii (Born. et Flah.) Elenk. I0025
groenlandica Bachm. 9748(o,p)

hallensis (Jancz.) Born. et Flah. 8460, 8462, 8467-8469, 9654, 9656, II755, II756, I209I, I2093, I2449
hassalii (Kütz.) Wittr. 7I03, 7I55, 7I82, 7I83, 7246, 7250, 756I, 7573, 7575, 7757, 7985, 7990, 800I, 8038, 8202, 8258, 830I, 8304, 8308, 83I3, 83I6, 83I7, 8553-8557, 8560, 8670, 8700, 87I8, 8720, 8830, 9I08, 9568, 958I, 9749(o), 9755, 9768, 980I, 98I3-98I5, 98I7, 9882, 9932, I0026, I003I, I0II3, I02I8, I0362, I0363, I0366, I0455, I0498, I077I, I0822, I0870, I087I, I0906, II030, II043, III50, II45I, II455, II488, II537, II597, II673, II747, II854, II860, II865, II866, II88I, II966, II967, I2023, I2082, I2288, I2290, I2292, I2327, I2359, I24I4, I24I6, I3I20, I3I27-I3I29, I3I77, I3I78, I3496, I35I7(o), I3562, I363I, I3642, I3699
- f. brevispora Schkorb. 800I, 9289, II672
- f. hassalii I0220, II675
- var. macrospora (Wittr.) Elenk. 88I3, 9I24, 9568
- f. macrospora (Wittr.) Elenk. I0026, I0220, I248I(o)
- f. minor V. Poljansk. 7802, 83I0, 87I8, 9289, 9749, I0026, I2095, I2333
- f. tenuis (W. et G.S.West) Elenk. 800I, 8307, 9289, 9749(o), 980I, I0026, I0220, II866, I2327, I3I27
hollerbachii Obuch. III90(o), I35I8
inaequalis (Kütz.) Born. et Flah. 7593, 8304, 8307-8309, 8745, 9768, I0026, I2927, I2928
jacutica I.Kiss. 7802, 9749(o,p), 975I
japonica Borge 9I08
karakumica Kog. 8776, 9654(o,p), 9655-9657, 9658(o,p), 9659(o,p), 9666, 9667, 9669(o), I0834, I0835, I0952, II262, II265, I2090, I2092, I2093
kelifii Kog. 965I, I35I8
kisseleviana Elenk. 8700, 9220, I0959, II455, I3520, I3535
knipowitschii Ussatsch. 7II2, 88I3, 9I24, 92I5, 9220, 9959, I0276, I0280, II537
lapponica Borge I0033, I3654
- f. insignis Kossinsk. 9446, 9768, I2667(o)
- var. lapponica 9446
laxa (Rabenh.) A.Br. 738I, 7802, 9024, 9656, 9694, 980I, I0548, IIII2, IIII3, II756, II866, I30I3, I3246, I3352
lemmermannii P.Richt. 7243, 7246, 7247, 7249-7252, 7398, 7464, 7467, 7469, 7470, 7507, 7757, 7805, 7948, 7983, 8038, 8I86, 8I97, 8202, 8237, 830I, 8304, 8307, 8308, 83I3, 83I6, 8405, 8473, 8670, 8700, 87I8, 8904, 8906-8908, 8940, 9024, 9047, 9I08, 9I33, 9252, 9289, 9308, 9498(o), 9499, 9500, 965I, 9652, 9656, 9670, 9672, 9674, 9687, 9749(o), 975I, 9768, 9777-9779, 9780(o,p), 980I, 9932, 9938, I0007, I0008, I0026, I003I, I0044, I0086, I0II3, I0I30, I0I73, I0I79, I02I8, I0220, I0292, I0455, I0644, I0822, I0864, I0866, I0870, I087I, I0875, I0878, I095I, II073, II094, II274, II45I, II452, II455, II488, II596, II672, II673, II675, II683, II734, II840, II865, II88I, I2049, I2090, I2092, I2320, I2333, I2369, I24I6, I2482, I2575, I2579, I2808, I2863, I30I4, I3059, I306I, I3I98, I3200, I3488, I363I, I364I, I3642, I3679, I3689, I3704, I3736
- var. lemmermannii I0866

- f. lemmermannii 7462
levanderi Lemm. 9285, I0026, I0220, I095I, I0975, III28, I3526, I363I
limnetica G.Sm. IC03I
macrospora Kleb. 7250, 800I, 9289, 9448, 980I, I0026, I003I, I0798, II865, I2095, I3526, I3665
- f. crassa (Kleb.) Elenk. 90I9, 9687, III28
- var. gracilis (Lemm.) Elenk. 9568
- f. gracilis (Lemm.) Elenk. 7802, I2327
- f. robusta (Lemm.) Elenk. 7805, 9289, I0008, I0220
macrosporoides (Troitzk.) Elenk. I095I
major Aptek. 9292
minima Tschern. 9748(o), I0956, I35I7-I35I9, I3526
minutissima Lemm. 8308, 8777, I0548
oblonga De Wild. 7804, 7805, I0026, I2643, I2645, I2654(o), I35II, I3526
oscillarioides Bory 7379, 7380, 7750, 800I, 8257, 8468, 8727, 9I08, 9292, 9552, 9554, 9557, 9568, 9654-9656, 9666, 9749(o), 98I8, 9859, 9860, 9875-9878, I0026, I0I49, I0I53, I0959, I0968, I0973, II03I, II7I9, II720, II762, II878, II898, II930, II932, I2I22, I2I85-I2I88, I2390, I2474, I2680, I28I0, I3502, I35I7, I3522, I3526, I3666, I3679
- var. caucasica Schmidle 9I08
- f. caucasica (Schmidle) Elenk. 9289
- f. cylindracea (Playf.) Elenk. 7750, 8776, 9024, I0I49, I0968, I35I7(o)
- f. elliptica (I.Kiss.) Elenk. 9749(o), I35I7
- f. minor Brist. I07I5, IIII7
- f. novae-zelandiae (Lemm.) Elenk. 9I08
- f. oscillarioides 8307, I2650, I265I(o)
- var. petshorae Tschern. 9I08
- f. tenuis (Lemm.) Elenk. 8307, 8308, 8777, I0026, I0247, I0248, I0956, I0967, I0968, I2643
- f. torulosa (Lagerh.) Elenk. 7750, I209I, I2092
- f. turkestanica (I.Kiss.) Elenk. 8593, 9024, 9655-9657, 9666, III90(o), II262, II265, I2090, I2092, I2I22, I2I95, I28II, I35I8
planctonica Brunnth. 7993, 8720, 9768, 980I, 9882, 9932, I0008, I0026, I0031, I0959, II734, II865, II930, II932, II935, I24I6, I3249, I3527, I3736
raciborskii Wołosz. 9656
reniformis Lemm. 7247, 7250, I0II3, I0822
robusta Kog. et Jazkul. 9669(o,p), 9749(o), II265
saaremaaënsis Skuja 9748(o,p), 9749(o), I0026, IIII7, II442
scheremetievii Elenk. 7I00, 7I02-7I04, 7249, 7464, 7467, 7469, 7507, 756I, 7645, 7704, 7705, 7757, 7758, 7806, 7874, 7985, 7990, 7992, 7993, 800I, 8038, 8I47, 8202, 8235, 8306, 8308, 83I3, 83I6, 83I7, 8553, 8555, 8556, 8670, 8673, 8674, 8700, 8720, 8874, 8923, 8940, 9020, 9I04, 9220, 9285, 9289, 9292, 9308, 9625, 9648, 965I, 9552, 9656, 9687, 9748(o,p), 9755, 9768, 9775, 9778, 9780(p), 978I, 9800, 980I, 9864, I0006-I0008, I0025, I003I, I004I, I0077, I0080, I0090, I0II3, I0I30-I0I33, I0I73, I0I75, I0276, I0280, I0366, I0646, I0759, I0798, I0822, I0876, I0922, I095I, III28, II252, II325, II326, II487, II537, II596, II648, II672, II673, II730, II73I, II734, II739, II747, II840, II865, II866, II88I, II966, I2327, I2369, I2377, I24I4-I24I6, I2870, I30II-I30I4, I3026, I3I27, I3I37, I3200, I32I7, I3246, I3249, I327I, I3323, I3373, I339I, I3488, I363I, I3642, I3679, I373I, I3736, I3746
- f. incurvata Elenk. 8940, 9568
- f. macrosporoides (Troitzk.) Elenk. 800I, 8038, 89I7, 8920, I0008, I0026, I02I8, I0220, II672, I2323, I2327
- f. ovalispora Elenk. 8038, 9I08, 980I, 9932, 9938, I0008, I0026, I0046, I0I33, II672, II866, I24I5, I24I6, I2327, I248I(o), I2482, I30II, I30I3, I30I4, I3027, I3746
- f. ovospora (I.Kiss.) Elenk. I0008, I248I(o)
- var. recta Elenk. 9I08, I0798
- - f. ovalispora Elenk. 8473, I3583
- - f. rotundospora Elenk. I0798, II650
- f. recta Elenk. 8940, 8942, 9568, I3008
- - subf. rotundospora Elenk. I0644
- f. rotundospora Elenk. 7I04, 800I, 9I08, 9648, 9687, 9770(p), 980I, I0008, I0026, I0044, I0046, II672, II673, II866, I2327, I3027
- var. scheremetievii I0866, I2482
- f. scheremetievii 7462, 7470, I0I33, I0220, II675, I248I(o)
schroeteri I0II3
sedowii Kossinsk. 9446, I0I49, II930, I3522, I3526, I3650, I3654
sibirica Elenk. III90(o)
sigmoidea Nyg. I3274
solicola Kondrat. 7676, 7678, 9669(o), II754(o,p)
solitaria Kleb. 8038, 830I, 9I04, 958I, 9687, I0026, I0II4, I0798, I082I, I0822, II595, II866, I2I75, I363I
- var. solitaria 8308
- f. solitaria 8307, 8308, I0044, I0220
- f. tenuis (Woronich.) Elenk. I30I4
- f. tenuissima (Ussatsch.) Elenk. 7805, 8307, II442
- f. zinserlingii (Kossinsk.) Elenk. 8307, 8308, 9I08, I0220
sphaerica Born. et Flah. 7983, 8038, 8745, 9024, 9289, 9749(o,p), 9959, I003I, I07I5, II720, II886, I2I22, I2680, I3027 I35I7, I3527
- f. conoidea Elenk. 7588, II753, II967, I248I(o), I3027, I3294, I35I7(o), I3526
- f. microsperma (Schmidle) Kossinsk. IIII7
- f. minor Melnik. I07I5
spiralis Kleb. 7985
spiroides Kleb. 7082, 7I00, 7I03, 7247, 7250, 75I7, 756I, 7588, 7593, 7624, 7626, 7628, 7643-7645, 7702, 7704, 7705, 77I4, 7757, 7790, 7793, 7799, 800I, 8038, 8I47, 8202, 83I3, 83I6, 83I7, 8473, 8555, 8560, 8670, 867I, 8674, 87I0, 87I8, 8750, 8792, 8859, 8904, 9I04, 9I08, 9I35, 92I0, 92I4, 9220, 9223, 9257, 9285, 9568, 9580, 9648, 9652, 9670, 9674, 9678, 9686, 9687, 969I, 9699, 9748, 9749(o), 9755, 9765(p), 9768, 9769, 980I, 9864, 9959, I0006, I0008, I0026, I0027, I003I, I0044, I0046, I0080, I0086, I0090, I0I06, I0I07, I0I32, I0I33, I0274, I0366, I0646, I0690, I075I, I0798, I0870, I087I, I0876, I0878, I0905, I0922, I095I, II024, II073, III98,

II329, II539, II672, II673, II734, II739, II747, II854, II865, II866, II88I, II966, I2I55, I2I75, I2377, I2392, I2434, I2478, I2482, I2505, I2577-I258I, I2630, I298I, I3008, I30I2, I30I4, I3246, I3249, I3266, I3268, I3270, I327I, I3273, I3275, I3276, I3279, I3287, I3288, I3295, I3323, I3373, I339I, I3404, I3488, I3590, I3592, I3594-I3595, I364I, I3642, I3679, I373I
- var. contorta (Kleb.) Elenk. I0080
- f. contorta (Kleb.) Elenk. 9220, 9932, I3027
- f. contracta (Kleb.) Elenk. I0008
- var. crassa (Lemm.) Elenk. 9568, 980I, 9932
- f. crassa (Lemm.) Elenk. 7I04, 7I82, 8038, 8940, 9024, I0008, I02I8, I0220, II673, I24I6, I3027
- f. degenerativa (Woronich.) Elenk. 8700, II45I, II452, II455
- f. flos-aquae Wittr. I2369
- f. meyeriana (C.Meyer) Elenk. 7507, 8700(p), 8940, 9289, 9687, 9932, I0008, I0026, I02I8, I0220, I0276, I0280, I0822, II45I, II455, II672, II673, I248I(o), I3059, I306I, I3200, I3590, I3642
- var. spiroides I02I8
- f. spiroides 7I04, 9932, I0044, I0220, II675, I2323, I248I(o), I27I0, I3274, I3290, I3294
- f. talyschensis (Woronich.) Elenk. I0870, I087I, I248I(o), I2645, I2654(o), I2656
- f. woronichiniana Elenk. 8700(p), 9932, 9959, 996I, I0866, II45I, II452, II455, II88I
subcylindrica Borge 7626
tenericaulis Nyg. 9749(o)
thermalis Vouk. I0I52, II279, I3522
- f. edaphica Troitzk. I28I0
- var. propinqua (Setch. et Gardn.) Pohreb. II57I
- f. propinqua (Setch. et Gardn.) Pohreb. II578, II755-II757
- f. rotundospora Aptek. I0I48, I0I53
tschujskaja Obuch. III92
vaginicola Fritsch et P.Richt. 8035, II756
variabilis Kütz. 72I5, 7225, 7263, 7373, 7376, 7389, 739I, 7570, 7572, 7573, 7575, 7639, 7640, 7643-7645, 7676, 7704, 7705, 7749, 7753, 7804, 7867, 800I, 8I40, 8I72, 8I73, 822I, 8308, 838I, 8467-8469, 8486, 85I2, 8555, 8570, 8576, 8593, 86I3, 8642-8647, 865I, 8652, 8656, 8657, 8659, 8660, 8662-8664, 8726, 8745, 8806, 8970, 9009, 90I3, 9024, 9108, 9I97, 9I98, 9243, 9275, 928I, 9285, 9292, 944I, 9469, 9552-9557, 96I7, 9626-9628, 9656, 9694, 9755, 980I, 98I3-98I5, 98I7, 98I8, 9849, 9859, 9860, 9875-9878, 9932, 9944, I0026, I0028(o), I0066, I0068, I0I48-I0I50, I0I52-I0I55, I0327, I0350, I0646, I07I5, I0722-I0728, I0736, I095I, I0952, I0955, I0956, I0963, I0968, I0972, II026, II043, III28, III50, III90(o), II3I7, II329, II386-II390, II479, II480, II484, II506, II5I7, II523, II524, II579, II705, II707, II7I9, II720, II753, II755-II757, II759, II762, II866, II878, II886, II893, II897, II898, II930, II932, II935, I2093, I2I95, I2282, I2285, I2288, I2291, I2292, I2297, I2300-I2302, I2390, I2422-I2425, I2446, I2466, I2474, I2550, I2650, I2655, I2660, I266I, I267I, I2687, I2689, I2698-I270I,

I2703, I2704, I2800, I280I, I2809, I28II, I28I3, I28[illegible], I2879, I2880, I2935, I295I, I2952, I2962, I3I25, I324[illegible], I3305(p), I3426-I3428, I3433-I3435, I3442, I3452. I345[illegible], I3458, I3508, I35I7(o), I3526, I3546, I3657, I3666
- f. crassa Woronich. 7988, I2680, I35I0, I35I7(o), I3527
- f. rotundospora Hollerb. 7676, 7678, 9654-9656, I07I5, III90(o), II720, I2092, I2093, I28II, I28I3, I28I5
- f. tenuis Popova 7373, 7750, 8593, 8777, 9250, I0I48, I0548, I07I5, I0822, I0968, IIII7, II483, I2I95, I2875, I2877, I35I7
- f. varibilis 7802, I2I95
verrucosa Boye-Pet. 9749(o), I0026, I0822, II596, I3503, I3504, I35I7(o), I3526
- f. major Kossinsk. 8202, I0026, II672, II673, II675
viguieri Denis et Frémy 9020, 9289, 9580, 9687, 980I, I0026, I0I3I, I0I32, I0906, I0975, II866, I2I22, I248I(o), I2575, I2577, I2579, I2580, I3245-I3247, I3250, I327I, I3527, I3589-I359I, I3594-I3595, I3642
volzii Lemm. 9944, I35I7(o)
- f. recta I.Kiss. 9024, I2680, I35I7, I35I8
werneri Brunnth. 725I, 800I, 980I, I3279
Anabaenopsis (Wołosz.) V.Miller
sp. sp. 7I02, 7I04, 72I5, 7887, 9227, 9959, I0027, IIII7, II720, I3009, I30I0, I327I, I3274, I3666
amphigranulata I3504
arnoldii Aptek. 800I, 9220, 9439, 980I, I003I, I0646, I2075, I265I(o), I3274, I3287
circularis (G.S.West) Wołosz. et V. Miller 9I32, I003I, I3526
- f. caspica Ussatsch. I0469
- f. tanganyika Ussatsch. 7348-7355, I0280, I0463, I0469
cunningtonii Taylor I0469, I0475
elenkinii V.Miller 7I00, 7I03, 7250, 800I, 92I4, 9227, 9768, 980I, 9959, I0276, I0280, I0283, II865, II866, II967, I2090, I3249, I3274, I3287, I3526
intermedia Kog. 8776, 9654(o,p), 9655, 9656, 9658(o,p), 9659(o,p), 9666, I2090
issatschenkoi Woronich. I003I
kelifii Kog. 9645(o,p), 9647, 9652, 9659, I35I8
koganii Obuch. III93(o,p)
kulundinensis Woronich. 8726, I003I
maksimilianii Obuch. III93(o,p)
nadsonii Woronich. I003I, I0469, I0475
raciborskii Wołosz. 7I00, 72I5, 72I7, 7992, 9227, 9647, 9649, 965I, 9652, 9656, 9659, 9666, 9667, 9768, 9950, I003I, I0I52, I0469, I0873(o,p), I2090, I2092, I2093, I2I2I, I2I22, I248I(o), I2680, I3246, I3249, I3250, I3287, I3520
seriata Pres. III93(o,p)
sturmiae Woronich. II720, I35I8, I3666
tanganyikae (G.S.West) V. Miller I0475
wustericum Obuch. III93(o,p)
Anacystis Menegh.
sp. sp. 7565, I0350, I055I, II472, II474, II508, I2072
nidulans Drouet 7570, 7572, 7668, 7790-7792, 7794-7796, 8007, 8008, 8I05, 8242-8245, 8380, 8396, 8403, 85I2, 85I3, 965I, 8652, 8658, 8659, 8664, 8882, 8968, 9259, 9277, 9282, 9305,

9306, 9342, 9468, 9998, I0505, I0506, I05I0, I0927, II05I, IIC72, II506, II99I, II992, I2294, I2297, I2386, I24I3, I2523, I266I, I2798, I2862, I2889, I2965, I2968, I2970, I297I, I2974(o,p), I3347, I3348

Anaulus Ehr.
sp. sp. I0379, I0380
birostratus Grun. 9720
maritimus Nik. II084(o,p), II085
mediterraneus Grun. II696(o,p)
- var. intermedia Grun. 93I2
vallus Nik. II083, II084(o,p), II085
weyprechtii Grun. 8364, 845I, 9952(p), II334, I3367, I3369, I3707

Angarolaminariopsis Ananiev
crenata Ananiev 7I76(o,p)
zinovae Ananiev 7I76

Angulocellularia Vologd.
sp. sp. 9833

Angulopyxidium Vologd.
tannuolacium Vologd. 8II4(o,p)

Angusticellularia Vologd.
anisotoma Vologd. 8II3(o,p)

Anisonema Duj.
sp. sp. II670
acinus Duj. 73I5(o), 73I7, 7330, 9078
ovale Klebs 73I5(o), 73I7
pusillum Stokes 73I7
strenuum Skuja 9882

Ankistrodesmus Corda
sp. sp. 7080, 7I02, 7II3, 7I55, 7243, 7289, 7343, 7465, 7506, 7565, 762I, 7623, 7627, 7676, 7702, 7757, 7793, 7984, 8006, 8038, 8I06, 8263, 8353(o), 8360, 8488, 8573, 858I, 8582, 8584, 8634, 8860, 8905, 8907, 89I2, 8939, 9I49, 9I97, 9295, 9337, 9433-9434, 9654, 9656, 9657, 9672, 9675, 9679, 9690, 9752, 988I, 9899, 9940, I0006, I0008, I0024, I0039, I0040, I0044, I0I04, I0I26, I0I94, I024I, I0475, I0487, I0550, I0553, I0957, II045, II069, III0I, III35, II329, II497, II498, II508, II583, II607, II673, II680, II730, II73I, II737, II794, II837, II847, II88I, I2075, I2I2I, I2327, I233I, I234I, I2382, I2394, I24I4, I2477, I2496, I2563, I2667, I28I3, I2833, I2932, I2933, I2939, I2940, I3009, I3II7, I3I29, I3274, I3645, I3657
acicularis (A.Br.) Korsch. 7082, 7I05, 7225, 7249, 7250, 7303, 7469, 7702, 7757, 7838-7840, 7992, 800I, 8038, 8450, 858I, 8584, 880I, 89II-89I3, 89I6, 89I8, 89I9, 8927, 8928, 9024, 92I3, 92I4, 9220, 9242, 9292, 9296, 9340, 9694, 980I, 9882, I0007, I0008, I0042, I0046, I0077, I0079, I0080, I0082, I0II3, I0I33, I0646, I0782(p), I0866, I0925, II025, III84, III98, II537, II672, II673, II697, II859, II864, II866, II963, II966, II967, I2053, I2055, I2323, I2324, I2327, I2336, I2342, I24I9, I2482, I2504, I2579, I2680, I2932, I2933, I2935, I2940, I3027, I3I78, I3245, I3246, I3249, I3273, I35I7(o), I3520, I3526-I3528, I3581, I3642, I3652(p)
- var. acicularis 7462, 7465, 8879, I0220, I2939, I327I, I3272, I3274, I3294

- var. mirabilis (W. et G.S.West) Korsch. 800I, 8544, 92I0, 92I3, 9220, 9223, 980I, I0080, I0082, I0220, II537, II739, I3009, I30II, I3245
- var. stipitatus (Chod.) Korsch. 9687
amalloides Chod. et Oettli 8570, 858I
angustus Bern. 7082, 7I03, 7303, 7465, 7467, 7469, 7470, 7584, 7695, 7757, 7962, 7992, 800I, 8038, 8554, 8555, 8560, 858I, 87I0, 87I2, 87I5, 87I7, 8859, 89I2-89I4, 89I6, 89I8, 9220, 9292, 9340, 9666, 969I, 970I, 9755, 9800, 980I, 9882, 99II, 99I2, 9944, I0008, I0044, I0046, I0I3I, I0I32, I0I33(o), I0I85, I0362, I0363, I0646, I065I, I0782(p), I0866, II479, II483, II697, II736, II739, II790, II830, II859, II864, II866, II967, II989, I2323, I2327, I233I, I2333, I2336, I2342, I2482, I2496-I2499, I2500(p), I2933, I2935, I2939, I3I20, I3I27, I3202, I3246, I3249, I3250, I3266, I3270-I3274, I3284, I3294, I3499, I35I7(o), I3533, I3536, I3600, I3747
arcuatus Korsch. 7588, 7589, 7628, 7670, 800I, 8038, 858I, 8584, 8700, 89I2, 89I6, 9289, 9340, 9749(o,p), 980I, 9944, I0008, I0046, I0I3I, I0I32, I0257, I0262, I0646, III83, III84, III86, III90(o), II45I, II452, II673, II866, II88I, II933, I2323, I2324, I2327, I2483, I2679, I2932, I2933, I2935, I3246, I3249, I3267, I327I-I3274, I3294, I35I7(o), I3520, I3526
bibraianus (Reinsch) Korsch. 7465, 800I, 8038, 9220, 9289, 9687, 980I, I0008, I0I33, I0220, I0866, II537, II866, I2I75, I3246, I327I
braunii Brunnth. 7373, 7528, 7570, 7780, 800I, 8038, 8570, 858I, 8584, 880I, 8805, 8877, 8904, 9I33, 9220, 93I6, 9749(o), 980I, 9887, 99II, 99I2, 9956, I0073, I0II3, I0220, I0325, I0327, I0329, I050I, I0502, I07I5, III72, II293, II294(o,p), II297, II298, II30I, II302(p), II303-II306, II337-II340, II506, II525, II537, II673, II852, II866, II903, II905, I2I75, I2342, I2482, I2569, I2570, I28I0, I2889, I2993, I3061, I327I
chodatii Brunnth. 96I7, I096I, I0969(o), II0I7, I2II6
closterioides (Printz) Korsch. 7050, 8038, 8700, 8904, 8908, 980I, I0077, I0079, I0080, I0082, I0II3, I0220, II45I, II584, II585, II866, II88I, I327I
convolutus Corda 7626, 7627, 858I, 8584, 980I, 9959, I0292, I074I
densus Korsch. 8038, 9433-9434, 945I, 9749(o,p), 9944, I35I4
extensus Korsch. 800I, 9I33, I3009, I30I0
falcatus (Corda) Ralfs 7469, 7589, 7626, 7702, 7780, 786I, 7879, 800I, 8038, 8097, 8098, 8228, 830I, 8450, 852I, 8570, 857I, 858I, 8584, 8879, 9015, 9053, 9220, 9223, 9242, 9297, 9298, 9324, 9340, 9376, 9470, 958I, 96I7, 9649, 9673, 9749(o,p), 980I, 9932, 9944, 9959, I0039, I0077, I0079, I0080, I0082, I0II3, I0I3I, I0I33, I0I48, I0I73, I0I85, I0I90, I0220, I0292, I0309, I052I, I0624, I0624, I0644, I0732, I0782(p), I082I, I0822, I0866, I0877, I0925, I0997, III64, II35I, II499, II5I3, II5I5, II525, II537, II595, II859, II860, II88I, II905, II9I4, II9I9, II933, I2059, I2327, I2347, I2358, I2375, I24I6, I2478, I2667(o), I27I0, I2905, I3I99, I3246, I3294, I3373, I3504, I35II, I35I7(o), I3536, I3594-

I3595, I3642, I3652(p), I3660(p), I3689, I37I3, I372I, I3736
- var. acicularis (A.Br.) G.S.West 830I, 8308, 8877, 8879, I0080, II860
- var. duplex (Kütz.) West I0080, I074I, I3594-I3595
- var. falcatus 7465, 8700, I02I8, I074I, II45I, II583, I327I, I3272, I3274
- f. falcatus 9I33
- var. mirabilis W. et G.S.West 8266, 8877, 8879, I0028(o), I0080, I02I8, I0646, I0706, I2347, I2667(o), I3127, I3594-I3595, I3642, I37I3, I3736
- var. spirilliformis West II223, II860
- var. stipitatus (Chod.) Korsch. I0080
- f. terrestris Brist. I07I5, III36
- var. tumidus W. et G.S.West I0080
- var. turfosus (Chod.) Korsch. 902I, 9749(o,p)
falcula (A.Br.) Brunnth. I0080
fusiformis Corda 740I, 7702, 8038, 8202, 8700, 8928, 9053, 9I33, 9220, 9289, 9292, 945I, 9748(o), 980I, 98I9, I0008, I0046, I0077, I0080, I0082, I0II3, I0I3I, I0I33, I0220, I0866, II45I, II672, II673, II866, I2320, I2323, I2327, I2336, I327I, I3499, I35I7(o)
gracilis (Reinsch) Korsch. 800I, 8038, 8700, 9749(o), 980I, I0I3I, I0I33, I02I8, I0706, II45I, II452, II866, I3246, I3250
lacustris (Chod.) Ostf. 9959, I074I, I3594-I3595
longissimus (Lemm.) Wille 7588, 7589, 800I, 8038, 87I0, 880I, 8873, 9340, 9666, 9686, 9687, 9752, 980I, 99II, 99I2, 9959, I0I49, I0I53, I0537, I0646, I0673, I0798, II866, I2I22, I2I24, I2478, I2483, I2496, I2498, I3056, I3246, I3249, I35II, I3537
- var. acicularis (Chod.) Brunnth. 800I, 8038, 8700, 9220, 9749(o), 980I, I0008, I0II3, I0I33, I02I8, I0646, II537, II672, II673, II866, II933, I2327, I2932, I2482, I3009, I30I0, I3026, I3499, I35I7(o)
- var. longissimus I0008, I327I, I3272, I3274, I3294
lundbergii (Lundb.) Korsch. 80I6, I0I49
minutissimus Korsch. 7I83, 7227, 7620, 8038, 8202, 9I33, 9I34, 9292, 9687, I0046, I0I3I, I0875, I0876, I0878, II184, II672, II673, I2323, I2342, I2809, I2932, I2933, I3009, I30I0, I30I2, I30I4, I3246, I3499, I35I7, I3747
mucosus Korsch. I0706, I2579, I2932, I3246, I3249
nannoselene Skuja 7780, 8570, 858I, I0077, I0080, I0082
obtusus Korsch. I0II3, I02I8
pfitzeri (Schröd.) West 8038, 8700, I0080, I0782(p), II45I, I327I
pseudomirabilis Korsch. 7I03, 7I05, 72I5, 7243, 7246, 7250, 7252, 7399, 7593, 7620, 7799, 7839, 800I, 8038, 8202, 858I, 8603, 8604, 8873, 89I2, 8927, 9294, 9296, 9670, 9674, 9678, 9686, 9687, 9748(o), 9752, 980I, 9944, I0I05, I0I49, I0220, I0690, I0869, I0870, I0878, II094, III58, II537, II672, II673, II683, II866, I2323, I2327, I233I, I2333, I29I0, I2932, I2934, I2935, I2940, I30I3, I3057, I327I, I3398, I3499, I3506, I35I7(o), I3747
- var. pseudomirabilis 8I97, I0008, II675, I2939
- f. pseudomirabilis 9I33
- var. spiralis Korsch. 762I, 8700, 8776, 9289, 945I, 9687, I0008, I0646, I0875, II45I, II452, II455, I22I7, I3I56, I35I7, I3533
rotundus Korsch. I0646, I2932
septosus Oettli 858I
setigerus G.S.West 7082, 7702, 8700, 902I, 9959, I0080, I0968, II45I, II455, I2347, I2375, I3373, I3594-I3595, I3736
spiralis (W.Turn.) Lemm. 858I, 8584, 9298, 980I, I0080, I0220, I2375, I3520, I3642
subcapitatus Korsch. I0008, II673, I2327, I3009, I3246
viretii (Chod.) Brunnth. I0080
Anomalochara Masl.
polymorpha Masl. II468, I0585(o,p), I0602(o,p)
Anomoeoneis Pfitz.
sp. sp. 8266
exilis (Kütz.) Cl. 8976, 9057, 9444, I02I8, I0220, II695, I27I0, I3354, I3522, I363I, I3668
- var. exilis II694, II695
- var. lanceolata A.Mayer II694, II695, I3354, I3668
- f. lanceolata A.Mayer 965I
sculpta Ehr. 7385, 9298
serians (Bréb.) Cl. 8738, 9298, 9444, I0956, II3II, I3I62
- var. brachysira (Bréb.) Hust. 7973, 8738, 9447(o), II3II, II695, I2405, I3I62, I3354, I3668, I3724
- - f. brachysira II694
- - f. thermalis (Grun.) Hust. I2I50, I3522
- var. modesta A.Cl. 9649, 965I
- var. serians II694
- - f. thermalis (Grun.) Hust. II694
- var. sibira Skv. I3758(o,p)
sphaerophora (Kütz.) Pfitz. 7054, 7I30, 7I35, 7I37, 7I39, 7I87, 7I88, 7490, 9492, 9474, 9497, 7973, 7988, 800I, 8038, 878I, 8782, 8976, 9057, 9242, 9443(o), 9694, 980I, I0099, I020I, I024I, I0548, I0646, I0665, I0939, I0975, III23, II222, II223, II866, I2095, I2320, I2936, I3I68, I3269, I3353, I3509, I35I7(o), I3522, I2529, I3646, I3647, I3668, I3758(o,p)
- var. polygramma (Ehr.) O.Müll. 7054, 8038, 8690, 8738, 8976, 980I, I0548, I3758(o,p)
- var. sculpta (Ehr.) O.Müll. 8038, 9444, 9445, 980I, I0548, I0644, II694, I3269, I35I7(o), I3668
- var. sphaerophora 8700, 9444, 9445, II694
styriaca (Grun.) Hust. 8976, II693, I3668
- f. styriaca II694
- f. ventricosa Hust. II694
zellensis (Grun.) Cl. 9057, I02I8, I0220, II693, II694, I3354, I3668
Anorthoneis Grun.
excentrica Grun. 7I30, 7I32, 7I37, 7494, I020I
Anthomorpha Korde
cambrica Korde 9833
Anthophysa Duj.
sp. sp. 7506
vegetans (O.F.Müll.) Stein I0080
Antithamnion Nag.
sp. sp. I235I, I2607, I2664

americanum (Harv.) Farl. 9I52
boreale (Gobi) Kjellm. 7606, 76I2, 76I3, 9I24, 9I69, I2664
corallinum (Rupr.) Kjellm. 8054, 8070
corticatum Tokida 7636, 8054, I2604, I3633
cruciatum (Ag.) Näg. 94I8, 9420, 942I, I0929
- f. tenuissimum Hauck 942I
floccosum (O.F.Müll.) Kleen 7606, 7942, 9I2I, I0II0, II379
miharai Tokida 7636, I2607
nipponicum Yamada et Inagaki I2604, I2607
plumula (Ellis) Thur. 9420
pylaisaei (Mont.) Kjellm. 8279, II782
sparsum Tokida 7636, 8054, II384, I2607, I2664
tenuissimum (Hauck) Schiff. 9420
Antracoporella Masl.
sp. sp. 9823, 9833, I3233, I3236
kasachiensis Masl. 9823
spectabilis Pia 9823
Antracoporellopsis Masl.
sp. sp. 708I, 7258, I0533, I3233
machaëvii Masl. 7269
Aphanizomenon Morr. ex Born. et Flah.
sp. sp. 7I0I, 7638, 7645, 7777, 7805, 7839, 7984, 8I40, 8259, 8524, 8605, 8666, 8676, 8680, 8707, 87I3, 8869, 8870, 8945, 8960, 8967, 9I49, 9I50, 9390, 9676, 9820, 9883, 9975, 999I, I0279, I0538, I0540, I0566, I0567, I0704, I07I9, I0727, I0737, I09I5, II2I5, II406, II663(o), II67I, II764, II87I, II956, I2I34, I2245, I2324, I234I, I24I6, I243I, I2577, I2580, I26I7, I2765, I279I, I2792, I2868, I2869, I3II8, I3II9, I3I26, I32I3, I3294, I337I, I34I7, I35I8, I3709, I37I7, I3744
elenkinii I.Kiss. 7I00, 7II2, 7I55, 7988, 7992, 800I, 8038, 8555, 8604, 87I0, 8720, 8940, 9755, 980I, 9882, I003I, I0046, I0363, I0365, I0366, I0876, I0878, II866, II966, II967, I24I9, I2575, I2579, I3I27, I3246, I3247, I3249, I3250, I3274, I3276, I3279, I3294
- var. gracile Kascht. 8038
- f. maeoticum Pitz. II537
flos-aquae (L.) Ralfs 7055, 7097, 7I00, 7I02-7I05, 7I09, 7II2, 7I55, 7I66, 7226, 7227, 7246, 7247, 7250, 7252, 7277, 7304, 7349, 7350, 7352-7355, 7397-7399, 740I, 746I, 7464, 7467, 7469, 7507, 7520, 7574, 7575, 7588, 7593, 7624-7626, 7639, 7647, 7670, 7694, 7702, 7704, 7705, 7708, 77I3, 7732, 7757, 7758, 7764, 7802-7805, 7874, 7906, 7922, 7925, 7926, 793I, 7933, 7935, 796I, 7964, 7985, 7990, 7992-7994, 800I, 8029, 8039, 8I06, 8I37, 8I47, 8203, 8258, 8262-8264, 8266, 830I, 8306-8308, 83I0-83I3, 8320, 8445-8450, 8473, 8543, 8553-8557, 8560, 856I, 8670, 8700, 87I0, 87I5, 8720, 8749, 8750, 8760, 8792, 88I3, 8836, 8859, 8873, 8874, 8877, 8879, 8904, 89II, 89I3-892I, 8923, 8924, 8927, 8930, 8932, 8940, 895I, 8966, 9007-9009, 90I2, 90I3, 9065, 9066, 9073, 9080, 9I04, 9I08, 9I24, 9I32, 9I35, 9200, 92I0, 92I2, 92I6, 9220, 9223, 9225-9227, 9234, 9242, 9250, 9252, 9256, 9257, 9274, 9288, 9289, 9293, 9296, 9334, 9340, 9496, 9568, 9580, 9583, 960I, 9624, 9625, 9639, 9648, 965I, 9652, 9656, 9666, 9670, 9675,

9678, 9679, 968I, 9684, 9686, 9687, 969I, 9692, 9696, 9748(o,p), 9749(o), 975I, 9752, 9755, 9768, 9776, 9778, 978I, 9798, 9800, 980I, 9882, 9892, 9932, 9938, 9943, 9959, 996I, 9970, 9998, I0006, I0007, I0022-I0024, I0026, I0027, I003I, I0039-I004I, I0046, I0048, I0077-I0080, I0082, I0086, I0088-I009I, I0I04-I0I06, I0II3, I0II4, I0I30-I0I33, I0I73, I0I79, I0I85, I0I86, I0I90, I0I95, I0218, I0220, I0236, I0243, I0245, I0274, I0276, I0280, I0283, I0286, I0362, I0364-I0368, I0394, I0396, I0402, I0438, I0439, I0455, I0463, I0469, I0473, I0475, I0498, I0646, I0660, I0690, I0736, I075I, I0769, I0770, I0798, I0800, I0822, I0864, I0866, I0869, I087I, I0876-I0878, I0905, I0906, I0922, I0925, I0955, I0956, I0975, II024, II073, II087-II089, III28, III60, III69, II670, II25I, II252, II259, II280, II325-II327, II329, II35I, II359, II45I, II452, II455, II486-II488, II537, II649, II650, II670, II672, II673, II690, II7I2, II729-II73I, II734, II735, II737, II739, II743, II746, II747, II753, II790, II794, II800, II840, II842, II854, II859, II860, II865, II866, II88I, II899, II904, II930, II933, II965-II967, I2052, I2055, I2090, I2092, I2II4, I2I27, I2I29, I2I55, I2I75, I2242, I2244, I2280, I2297, I2999, I2303, I2306, I2307, I23II-I23I4, I2323, I2327, I233I, I2336, I2369, I2377, I2379, I2383, I2392, I24I4-I24I7, I24I9, I242I, I2434, I2446, I245I, I2478, I2505, I2544, I2549, I2550, I2556, I2559-I2563, I2630, I2706, I27I0, I2766, I2792, I2863, I287I, I2892, I2894, I2895, I2897, I2926-I2929, I2932-I2935, I2940, I298I, I2982, I3008-I30I0, I30I2-I30I4, I3026, I3027, I3059, I306I, I3074, I308I, I3085, I3I20, I3I24, I3I27-I3I30, I3I37, I3I48, I3I56, I3I59, I3I77, I3I78, I3I90, I3I97, I3I98, I3200, I32I7, I3246, I3247, I3249, I3250, I3266-I3268, I3270-I3273, I3275, I3276, I3279, I3280, I3287, I3288, I3292, I3293, I3295, I3323, I334I, I3343, I3370, I3373-I3375, I339I, I3404, I3488, I3496, I3520, I3526, I3562, I3576, I3600, I36I7, I363I, I3644, I3645, I3665, I3679, I3689, I3699, I37I3, I373I, I3736, I3747
- var. flos-aquae I2482
- f. flos-aquae 7I04, 7462, 7470, 7802, 8904, 8906, 8908, 8909, I0008, I0044, I0I33, I0644, III85, II675, I2333, I248I(o), I2939, I3274, I3294
- f. gracile (Lemm.) Elenk. 8038, 8307, 8926, 980I, I0026, I0925
- f. incurvatum Tschern. 9I08
- var. klebahnii Elenk. 9I34, 9959
- f. klebahnii Elenk. 7226, 800I, 8202, 830I, 8904, 9I33, 9568, 9687, 9749(o), 9755, 980I, 9959, I0046, I0I33. II672, II673, II675, I248I(o), I2482, I2579, I2580
- f. macrosporum Fedor. 8927, I2939, I2940, I2944, I2948(o,p)
gracile Lemm. 830I, 8473
issatschenkoi (Usssatsch.) Pr.-Lavr. 7I03, 7I82, 9227, I0008, I0463, I0469, II808(o), I3576
klebahnii Elenk. 8555
ovalisporum Forti 9667, 9668, I0469, I2093, I287I, I3535
- f. minus Sadykov I2090, I2092
stagninum (Spreng.) Boye-Pet. I30I0
Aphanocapsa Näg.
sp. sp. 9337, II549, I3730
elachista var. planctonica G.Sm. 8473

thermalis Brueg. 8570
Aphanochaete A.Br.
sp. sp. 9694
hystrix Rabenh. III84
repens A.Br. 7I8I, 7I84, 7I86, 8038, 9298, 975I, II866, I3482, I3499, I3503, I3506, I35I7(o)
Aphanothece Näg.
sp. sp. 7II2, 787I, 8038, 8747, 9I33, 9289, 9568, I0II3, I0280, I0996, II537, II583, II67I, I209I, I2667, I358I, I3730
botryosa Obuch. III92(o,p)
bullosa (Menegh.) Rabenh. I0026
castagnei (Bréb.) Rabenh. 8266, 9694, I0026, I0I26, I0822, IIII7, II757, I2094, I2I75, I35I8, I363I
clathrata W. et G.S.West 7757, 7758, 800I, 8038, 8I06, 8308, 8700, 8873, 90I9, 9289, 9580, 975I, 980I, 9959, I0006, I0007, I0026, I0046, I0077, I0080, I0082, I0I30, I0I33, I0280, I0283, I0292, I074I, I0959, II673, II730, II865, II866, II967, I2049, I27I0, I30I4, I3027, I3056, I3I98, I3246, I3373, I3589, I363I, I3642, I3689, I3747
- var. brevis (Bachm.) Elenk. I02I8, I0220, I022I
- f. brevis (Bachm.) Elenk. 7507, 8038, 8307, 8308, 8700, 9932, I0008, I0026, I0080, I0I3I-I0I33, II45I, I3590, I3642
- var. clathrata I02I8, I0220
- f. clathrata 7802, 8308, 9I33, I0008, I0I33
elabens (Bréb.) Elenk. 7988, 8038, 9448, 9749(o,p), 980I, I0026, I0080, I0I3I, I0I32, I02I8, I0309, III90(o,p), II865, I2049, I2050, I2680, I3522, I363I
- f. elabens I0220
- f. minor (Nyg.) Elenk. I0026, I0220, I0822
globosa Elenk. I0I30, I2946(o), I3522
heterospora Rabenh. I3666, I3679
microcapsa Näg. I2I95
microscopica Näg. 7676, 7678, 7802, 8038, 8700, 8825, 9289, 980I, I0026, I0I33(o), I0I90(o), I02I8, I0220, IIII2, IIII3, IIII7, II442, II755, II757, I226I, I248I(o), I2946(o), I363I
naegelii Wartm. I35I8
nidulans P.Richt. 8570
nostocopsis Skuja 8038
pallida (Kütz.) Rabenh. 7676
salina Elenk. et Danil. 8035, 9I24, 9649, 9652, II573, I3750
saxicola Näg. 8038, 8700, 975I, 980I, I0026, I02I8, I0220, II45I, II455, II753, I2I95, I2928, I3373, I363I
- f. endophytica (W. et G.S.West) Elenk. 8038, 9448, 9580, I0026, II866
- f. longior (Naum.) Elenk. 8038, I0026
- f. minor Wille 8038
- f. minutissima (West) Elenk. 8038, 9289, 9568, I0026, I0375, IIII2, IIII3
- f. nidulans (P.Richt.) Elenk. 980I
- f. saxicola I2946(o)
- f. sphaerica (West) Elenk. 8038
stagnina (Spreng.) Boye-Pet. et Geitl. 7507, 7802, 7988, 800I, 8038, 830I, 8725, 8777, 9024, 9289, 9298, 9580, 9649, 980I, I0026, I0080, I0I26, I0I30, I02I8, I0220, I0280, III90(o), II537, II673, II720, II866, I2049, I2050, I2093, I2094,

I2I75, I226I, I2667(o), I27I0, I3009, I30I3, I30I4, I35I, I3522, I358I, I363I, I364I, I3642, I3666, I3687
- f. prasina (A.Br.) Elenk. I0026, I0080, I248I(o)
- f. stagnina I0008
Aphroporella Gnilovskaja
sp. sp. 8376
Apidium Stoll.
sp. sp. 8376, 8378, 9824, 9833
Apiococcus Korsch.
consociatus Korsch. 96I7, II720, I35I2
- var. consociatus 8700
Apiocystis Näg.
brauniana Näg. 8038, I35I7(o)
- f. grandis Obuch. III90(o), I3526
caput-medusae (Bohl.) Korsch. 8038, 9292, I0008
Apoglossum J.Ag.
ruscifolium (D.Turn.) J.Ag. 890I, 94II, 94I8, 9420, I0929, II409(o), II4I0, II4I2
Aptea Eis.
polymorpha Eis. 8048-8049(o)
Apteodinium Eis.
granulatum 8048-8049(o,p)
Arachnochloris Pasch.
major Pasch. I0327, I3439
Arachnoidiscus Deane ex Schadb.
sp. sp. 7287, 8422, 9204, 9952, I2609, I3I7I, I3353
ehrenbergii Bail. 7530, 753I, 7636, 7827, 7829, 8365, 8370, 898I(p), 9000, 972I, 9873, 9874, I00I7(o), I037I, II083, II085, II334, I2529, I2536, I3353
- f. indicus Ehr. II334
- var. oamaruensis A.S. 8364, II334
- f. palaeocaenicus Jousé II334
giganteus Pant. 898I(p)
indicus Ehr. 9952, I037I, I2039, I22I3, I2336, I3707
mannii Hanna et Grant 8990
ornatus Ehr. II083, II085
septus A.S. 9952
Archaeolithothamnion Foslie
sp. sp. 8479, 9823
Archaeomonadopsis Delf.
frenguellii Rampi 82I8
Archaeomonas Defl.
cretacea Rampi 82I8
manginii Defl. 7829
Arkhangelskiella Veksch.
sp. sp. 8539
cymbiformis Veksch. 7824, I0428, I0430, I3466, I3469, I347I(o,p), I3472
distincta Schumenko I3466, I3468(o,p), I3470(o,p), I3472
enormis Schumenko I3466, I3468(o,p), I3470(o,p)
erratica Stover I0427(p)
nana Luljewa I0427(o,p), I0433
ornamenta Caratini I0427(p), I0428, I0433
parca Str. I0428, I0430, I347I(o,p)

pectunculus Schumenko I3466
Arthrochaete Rosenv.
penetrans Rosenv. 9I75, II377(o)
Arthrodesmus Ehr.
sp. sp. 8308, I0I58, II299, I2I75
bifidus Bréb. I0I34(o)
- var. latidivergens West I0I60
- var. truncatus West I0I60
bulnheimii Racib. I2I75, I2479(o)
convergens Ehr. 8700, 9020, 9024, 9662(o,p), 9932, I0I34(o), I2I75, I2479(o), I3352
incus (Bréb.) Hass. 8700, 9749(o,p), I0080, I0I60, I0866, II455, II866, II88I, I2050, I2I75, I2479(o)
- var. indentatus W. et G.S.West I2I75(o,p)
- var. planus Roll II866
octocornis Ehr. 8700, 9749(o,p), I0I60, I082I, II455, I2I75
- f. impar Jacobs. I2I75
subulatus Kütz. II866
- f. americana (W.Turn.) W. et G.S.West 8700
tenuissimus Arch. I0I60
triangularis Lagerh. II866
- f. triquetrus Lagerh. II866
trispinatus W. et G.S.West I0I60
Arthrospira Stizenb. ex Gom.
maxima Setch.et Gardn. 8652
Arthrothamnus Rupr.
sp. sp. 8063, I0409, II385, I2572, I3403, I3720
bifidus (Gmel.) Rupr. 7763, 8070, I2064, I2I68, I3720
kurilensis Rupr. 8054, I2I68, I3720
Ascocyclus Magn.
affinis Svedelius I3645
magnusii Sauv. 7942
orbicularis (J.Ag.) Magn. 9406
Ascodinium Cook. et Eis.
acrophorum Cook. et Eis. 8048-8049(o,p)
Ascoglena Stein
sp. sp. 7309
vaginicola Stein 73I3
Ascophyllum Stackh.
sp. sp. 8279, II385, II429, II432, I3735
mackaii (D.Turn.) Holm. et Batt. 760I
nodosum (L.) Le Jolis 7II8, 7258, 7427, 7429, 7430, 7434, 7449, 7577, 7606, 7608, 76II, 76I5, 7766, 7768, 7865, 7942, 8064, 8275, 8278, 8284, 8550, 9I24, 9I78, 9I80-9I82, 9I85, 9I87, 9406, 9533, 954I, 9734, 9978, 9979, I0II0, I0437, I0699, II346, II379, II44I, II589, II605-II607, II833, II880, I2374, I2406, I2707, I2907, I2980, I3030, I3034, I3035, I3043, I3045, I3047, I3II6, I3220-I3222, I3692
- f. scorpioides (Harv.) Reinke 760I
- f. typicum (L.) Le Jolis 7258, 760I
Ascoseira Skottsb.
sp. sp. II427
mirabilis Skottsb. 9I65(o), II428(o,p), II429, II43I(p)
Aseptalia Vologd.
ukrainika Vologd. 8I34(o,p)

Asparagopsis Mont.
armata Harv. II090
sanfordiana Harv. I3686(p)
Asperococcus Lamour.
bullosus Lamour. 94II, 94I8, 9420
echinatus f. filiformis Reinke I3645
Astasia Duj.
sp. sp. I0080, II45I, II537, II670, I2667(p), I2940
applanata Pringsh. 73II, 73I3, 73I5(o,p), 73I7
breviciliata Matv. 73I7
comma Pringsh. 73II, 73I3, 73I5(o,p), 73I7
conica Matv. 73I7
curvata Klebs 73I5(o), 73I6, 73I7, 7330
dangeardii Lemm. 73I7
harrisii Pringsh. 7307, 73II, 73I5(o,p), 73I7, 7326, 7330
inflata Duj. I2I80
klebsii Lemm. 73I5(o), 73I7, 7326, 7327(o,p), 7330, 8804, II93I, II932, II935, I2776, I2784
longa Pringsh. 73II, 73I5(o,p)
- var. truncata Pringsh. 7307, 73I7
oblonga Skv. 73II, 73I3, 73I5(o,p), 73I7
ocellata Khawk. 73I7, I0822
parva Pringsh. 7307, 73II, 73I5(o,p), 73I7
parvula Skuja 8700, 9882, II455
praecompleta Skuja 73II, 73I3, 73I5(o,p), 73I6, 73I7
pygmaea Skuja 73I0, 73II, 73I5(o,p), 73I7
sagittifera Skuja I3530
skadowskii Korsch. 7307, 73II, 73I5(o,p), 73I7, 800I, II932
Asterionella Hass.
sp. sp. 7I73, 7295, 7397, 7398, 7400, 7506, 7732, 7805, 8038, 83I8, 8524, 8666, 8696, 8750, 8760, 8872, 9057, 9337, 9390, 9505, 9648, 9676, 9683, 9698, 9902, 9943, 999I, I0039, I0040, I0090, I0I04, I0I06, I0279, I0306, I0367, I0453, I0454, I0538, I0756, I0996, II406, II583, II587, II607, II663(p), II670, II67I, II675, II690, II87I, II994, II997, I2I27, I2I33, I2I34, I2I55, I2245, I23I8, I2344, I24I5, I24I6, I26I2, I26I7, I2669, I2673, I2747, I2982, I2993, I3388, I3404, I3489, I3593, I3644, I3645, I366I, I3730
bleakeleyi W.Sm. 9747, I2I53, I2597, I2956
formosa Hass. 7054, 7I32, 7I35, 7I55, 7243, 7246, 7249, 7250, 7252, 7294, 738I, 746I, 7462, 7467, 7469, 7470, 7507, 7620-7622, 7624, 7670, 7757, 7758, 7799, 7805, 7806, 7877, 792I, 796I, 7966, 7989, 7992-7994, 800I, 8038, 8I06, 8I46, 8I47, 8202, 8258, 8263, 8300, 8307, 8308, 83I3, 83I7, 8353, 837I, 8445, 8447, 8553-8557, 867I, 8676, 8679, 8685-8687, 869I, 8696-8700, 8737, 8738, 8820, 8830, 8888, 8904, 8907, 8908, 89I0, 8940, 8942, 8988, 90I8(o), 90I9-902I, 9053, 9I04, I08, 9I35, 92II, 9220, 9223, 9234, 9257, 9274, 9288, 9289, 9308, 9395, 9447(o), 9448, 9496, 9498(o), 9499, 950I, 9568, 9570, 9580, 9625, 965I, 9664, 9666, 9668, 9672, 9674, 9675, 9678, 9679, 968I, 9684, 9686, 9687, 9690, 9694, 9700, 9748(o), 975I, 980I, 9900, 9932, 9938, 9943, 997I, I0006, I0007, I0039, I004I, I0044, I0046, I0048, I0077, I0079, I0080, I0082, I0086, I0I07, I0II3, I0II4, I0I30-I0I33, I0I73,

I0176, I0180, I0218, I0220, I0241, I0243, I0245, I0276, I0280, I0292, I0293, I0305, I0362-I0364, I0368, I0396, I0451, I0455, I0456, I0539, I0657, I0690, I0741, I0800, I0821, I0822, I0866, I0869, I0870, I0875-I0878, I0906, I0928, I0959, I0997, I1073, I1128-I1131, I1133, I1158, I1232, I1451, I1452, I1454, I1455, I1458, I1486, I1488, I1530, I1537, I1549, I1594, I1666, I1672, I1673, I1675, I1683, I1693-I1695, I1712, I1729.- I1731, I1735, I1737, I1739, I1790, I1794, I1840, I1860, I1864, I1866, I1879, I1881, I1899, I1965, I1967, I2004, I2049, I2052, I2215, I2217, I2323, I2324, I2327, I2331, I2333, I2336, I2341, I2417, I2419, I2478, I2482, I2501, I2560-I2561, I2563, I2576, I2580, I2630, I2710, I2781, I2808, I2863, I2870, I2892, I2906, I2910, I2933, I3009-I3012, I3059, I3061, I3127, I3144, I3148, I3158, I3177, I3178, I3197-I3200, I3208, I3245, I3266, I3271, I3354, I3371, I3373, I3384, I3387, I3444, I3447, I3488, I3517(o), I3526, I3547, I3576, I3583, I3631, I3641, I3642, I3659, I3665, I3668, I3704, I3746

- var. acaroides Lemm. I0008, I1673
- f. acaroides Lemm. 8038, I1866
- var. capitellata Skabitsch. 8038
- var. formosa 9210, I0008, I1675

gracillima (Hantzsch) Heib. 7054, 7102-7104, 7132, 7246, 7249, 7295, 7296, 7507, 7799, 7806, 7921, 8001, 8038, 8197, 8316, 8317, 8445, 8447, 8473, 8700, 8749, 8913, 8914, 8917, 8918, 8928, 9018(o), 9019-9021, 9108, 9124, 9211, 9220, 9289, 9308, 9499, 9568, 9580, 9674, 9694, 9748(o), 9749(o), 9819, 9932, 9938, 9959, I0008, I0041, I0044, I0046, I0080, I0113, I0133, I0218, I0220, I0245, I0276, I0280, I0905, I1032, I1128, I1455, I1537, I1671-I1673, I1694, I1696(o,p), I1866, I2217, I2320, I2323, I2324, I2327, I2331, I2333, I2336, I2341, I2342, I2414, I2419, I2630, I2710, I2772, I2932, I3014, I3027, I3198, I3199, I3245, I3266-I3268, I3271, I3272, I3373, I3583, I3589-I3592, I3594-I3595, I3631, I3641, I3642, I3668, I3679, I3689, I3699, I3736

- f. curvata Radzimovsky 8038
- f. tabellarioides A.Cl. 8301
- var. zigzagostellata (Elenk.) Wisl. 9568

japonica Cl. 7054, 7062, 7531, 7954, 8211, 8763, 8981, 9141, 9221, 9511, 9805, I0017(o), I0210, I0865, I2019, I2081, I2228, I2669.

- f. spiroides I.Kiss. 8211

kariana Grun. 7954, 8211, 8981, I0017(o), I2004

ralfsii W.Sm. I1694

Asterococcus Scherf.

sp. sp. I3736

superbus (Cienk.) Scherf. 9801, I1720, I2201(o)

Asterocytis Gobi ex Schmitz

sp. sp. 8056, I2607

halophila Hansg. I0944(o,p)

ornata (Ag.) Hamel. 8054, 8899, 9118, 9123

ramosa (Thw.) Gobi 7161, 7164, 9030(o), 9031, 9033(o,p), 9124, 9406, 9420, I2917, I3645, I3687

wolleana (Hansg.) Lagerh. 9162(o)

Asterolampra Ehr.

sp. sp. 8370, 8982

affinis Grev. 8365, 8990

arrhenii Koble I0978

decora Grev. I0982

grevillei (Wall.) Grev. 7534, 8990, I0982

insignis A.S. 8370

marylandica Ehr. 7534(o), 7536, 8254, 8365, 8370, 8763, 8990, 8999, 9002, 9138, 9141, 9221, 9604, 9708, 9711, 9713, 9965, I0092, I0757, I0841, I0978, I0982, I0983, I2153, I2223, I2228, I2597, I2598, I2669

moronensis Grev. I0978, I0982

vanheurckii Grun. I0982, I2153, I2223, I2597, I2669

Asteromonas Artari

sp. sp. 7128, 7676, 7678, 8176, I3551

gracilis Artari 7129, 7520, 7870, 8177, 8453(p), 8570, 9101, 9319, I0630, I0633, I0636, I0639, I1358, I1360, I1365, I1366, I2549, I3079, I3081, I3085, I3552-I3554, I3556, I3750

Asteromphalus Ehr.

sp. sp. 8253, 8365, 8981, 9221, 9703, 9711(p), 9713, 9965, I0978, I1815, I2223, I2597, I2669, I3619

arachne (Bréb.) Ralfs 9711(p), 9713(p)

beamontii Ehr. I2223

bipunctatus Lohm. 9711

brookei Cl. I0017(o,p)

cleveanus Grun. 9704

decorum H.Perag. 8994

diminutus Mann 7534(o), 7536, 9712, 9713, 9716, I3649

elegans Grev. 7534(o,p), 7536, I2597

flabellatus (Bréb.) Grev. 7536, 9711, 9220

heptactis (Bréb.) Ralfs 7531, 7534(o,p), 7536, 7950, 7954, 8211, 8981, 8994, 9220, 9604, 9704, I2153, I2597, I2598

hiltonianus Ralfs I0983

hookeri Ehr. 8977(p), 9000(o,p), 9002(p), 9598, 9703, 9704, 9705(p), 9708, 9711(p), 9716, I0331, I3649

hyalinus Karst. 9000(o,p), 9002, 9703, 9704, 9705(p), 9711, 9716, I3649

imbricatus Wall. 7532, 7534(o), 7536, 8982, 8999, 9002, 9708, 9711, I0331, I0978, I0982(p), I0983, I2223, I2228

loczyi Pant. I3363(o,p)

parvulus Karst. 9000(o,p), 9002, 9703(p), 9704, 9705(p), 9708, 9711(p), 9716, I0331, I0332, I3649

robur tus Castr. 7530-7532, 8254, 8981(p), 8995(p), 9002(p), 9220, 9709, 9712, 9716, I0462, I0757, I2228, I3353, I3649

- var. robustus 9721

roperianus Ralfs 7534(o,p), 7536

sarcophagus Wall. 7534(o,p), 7536, 9711

stellatus (Grev.) Ralfs I2223

Asterosphaera Reitl.

sp. sp. I3232(p), I3233, I3237(p)

pulchra Reitl. 7269, I3236, I3237

Atopochara Peck

sp. sp. I0251, I3262

longa Romaschkina I0168(o,p)

trivolvis Peck 7736, I0I67, I0I68(o,p), I0585(p), II095(o,p), II097
Atractyliopsis Pia
fecunda Korde 9826(o,p), 9827, 9828, 983I
Attheya T.West
sp. sp. 8696, 8699, 87I3
zachariasii Brun 7249, 7470, 7507, 7620, 7966, 8038, 8I97, 8473, 8686, 8687, 869I, 8700, 90I9, 9020, 980I, 9932, 9938, I0008, I0046, I02I8, I0220, II45I, II452, II455, II672, II673, II693-II695, II864, II866, II88I, I2327, I234I, I24I6, I2579, I27I0, I3008-I30I0, I30I2, I30I4, I3246, I3249, I3287, I3504, I3583, I3668, I3689
Audouinella Bonn.
efflorescens (J.Ag.) Papenf. 9I52
membranacea (Magn.) Papenf. 7942, 8054, 9I52, 9406, 94I8
mstinensis (Kom.) Papenf. I3755
pectinata (Kylin) Papenf. 7937(o)
Auerbachichara Kis. et Said.
achtubiensis Kis. 9573-9574(o,p), 9575, 9579, I0322, I0323, I2II0
baskuntschakiensis Kis. 9573-9574(o,p), 9575, 9579, I0322, I0323, I2II0
collacerata Said. I0322, I0323, I2I08(o,p), I2II0
kisielevskyi Said. I0322, I0323, I2I08(o,p), I2II0
saidakovskyi Kis. 9573-9574(o,p), 9575, 9579, I0322, I2II0
starozhilovae Kis. 9573-9574(o,p), 9575, 9579, I0322, I2II0
Aulacodiscus Ehr.
sp. sp. 8365, 8370, 8982, 8990, 8994, 972I, I0978, I0982, I253I, I2543, I3353
acutus Rattr. I2529, I2532(o,p)
affinis Grun. 972I(p)
amoenus Grev. I0982
- var. hungaricus Pant. I3363(o,p)
archangelskianus Witt 8370, II334, I2536
bifrons Streln. I2533(o,p), I2536
concentricus Mann 898I(p)
crux Ehr. 8365, II334
excavatus A.S. 8364, 8365, 8370, II334
fasciculatus Gles. 8370(p), I3364(o,p)
giganteus Mann 898I
gorbunowii f. primorica Moiss. 7489
grunowii Cl. I3358, I3362
inflatus var. spinifer Brun I3358, I3362
jouseae Streln. 82I9, I2533(o,p), I2536
kelleri f. fasciculatus Sheshuk. et Gles. 8365, 8370(p), I3364(o,p)
lahusenii var. marginalis Witt II334, I2529, I2532(o,p)
moelleri Grun. 8370
probabilis A.S. 8370
- f. immarginatus Gles. 8363(o,p), 8364
schmidtii Witt II334
septus A.S. I2529, I2532(o,p), I2536
subangulatus Pant. I3353, I3362
subexcavatus Hust. I3363

tripartitus Temp. et Brun I04I4
variabilis Lupik. 8293, I04I3(o,p), I04I4, I2035, I2037, I2038
Aulakochloris Pasch.
striata Pasch. I2680
Auliscus Ehr.
sp. sp. 8365, 972I, I253I, I2536, I3353
actinoptychoides Gles. 8365, 8366(o,p), 8370(p)
coelatus Bail. 753I, 8738, 898I
hauckii Pant. I04I4
pruinosus Bail. 8368(o,p), 8370
sculptus (W.Sm.) Ralfs I3I6I
Aulosira Kirchn. ex Born. et Flah.
sp. sp. I343I, I35I8
fertilissima Ghose I003I
- var. tenuis Rao I2I2I, I2I23
implexa Born. et Flah. IIII7
laxa Kirchn. 7I8I, 8038, 9024, I0026, III90(o), I248I(o)
thermalis G.S.West I3522
Auricula Castr.
minuta Cl. II085
Aurosphaera Schill.
echinata Schill. 9220
Australiella Vozzhen.
sp. sp. 8539
cooksonii Alb. 8540(o,p)
spasica Grigor. 8540
Azyrtalia Vologd. et Drosdova
fasciculata Vologd. et Drosdova 8I30(o)
zonulata Vologd. et Drosdova 8I30(o)
Bacillaria Gmel.
sp. sp. 7764, 9976, II933
paradoxa Gmel. 706I, 7I87, 7I88, 72I8, 753I, 762I, 7685, 7983, 8000, 800I, 8038, 8266, 832I, 852I, 8527, 853I, 8737, 8738, 880I, 898I, 90I2, 9I24, 9I4I, 92I4, 9220, 9257, 9289, 9449, 9492, 9664, 9694, 97I5, 9747, 980I, 9959, I0008, I0080, I0I36, I0I45, I02I8, I0220, I0548, I0646, I0673, I0798, I0803, I0956, I0975, II085, II184, II186, III90(o), III94(o), II537, II546, II579, I2004, I2I25, I2383, I2449, I27I0, I2935, I2937, I2939, I2944, I2956, I3008-I30I0, I30I2-I30I4, I3I56, I3I7I, I3249, I3269, I327I, I3274, I3283, I3294, I3353, I35II, I35I7(o), I3522, I3668, I3706, I37I3, I3727
- var. tumidula Grun. I35II
socialis (Greg.) Grun. 8254, 898I(p), II424
- var. baltica Grun. I0226, I3249
Bacteriastrum Schadb.
sp. sp. 75II, 8760, 9I4I, 922I, 9965, I0756, I2079, I2I53, I2444
comosum Pav. 7534(o), 7536, 7956, 922I, 9965, I2228, I2599
delicatulum Cl. 706I, 7063, 7633, 7950, 7954, 8763, 8763, 9I42, 9220, 922I, 9704, 9705, 97II, I084I, I0888, I0892, I0979, I20I9, I208I, I2I53, I2223, I2597, I2599, I2669
elongatum Cl. 7536, 7956, I0888, I0892, I2I53, I2223, I2228, I2597, I2599
hyalinum Laud. 7063, 7633, 8763, 9220, 922I, 9598, 9965, I00I7(o), I084I, I0979, I20I9, I2669

variana Laud. 9704, 9705, 9708, 97II
Bacterosira Gran
sp. sp. 7972, 9902
fragilis Gran 7415, 7416, 7424, 7490, 7493, 7494, 9497, 7530, 7531, 7597, 7952, 7954, 7958, 7960, 8211, 8737, 8738, 8981(p), 8994, 8995, 8999, 9002(p), 9029, 9052, 9124, 9715, 9716, 9721, 9747, 10014, 10017(o), 10331, 10388, 10391, 10886, 10888, 10889, 10892, 10939, 11375, 11424, 11910, 11994, 11997, 12004, 12006, 12150, 12228, 12892, 12956, 13353(p), 13358, 13362, 13649
Ballia Harv.
callitricha (Ag.) Kütz. 9165(o), 9869
Bambusina Kütz. ex Kütz.
sp. sp. 8308
brebissonii Kütz. 10162, 10220, 13631
- var. brebissonii 10160
- var. gracilescens Wolle 10160
Bangia Lyngb.
sp. sp. 10951
atropurpurea (Roth) Ag. 9664, 10944(o), 10956, 11186, 12122, 12637, 13511
breviarticulata Tseng 8054
fuscopurpurea (Dillw.) Lyngb. 7606, 8054, 8550, 8897-8899, 8901, 8902, 9030(o), 9033(o,p), 9406, 9417, 10563(o), 10929, 11142, 11379, 11383(o), 11384, 11570, 12604, 12607, 12664
pumila Aresch. 13645
Batinevia Korde
sp. sp. 9828
bayancolica Korde 9833
mazasovi M.Stp. 12513
ramosa Korde 9830(o,p), 9833
Batrachospermum Roth
sp. sp. 8304, 8464, 10951, 11881
densum Sirod. 8778, 9932, 9938
ectocarpum Sirod. 8778, 10944(o)
gallaei Sirod. 10944(o)
moniliforme Roth 8778, 9932, 9938, 10129, 10944, 10956, 12522, 12637, 12652, 13686(p)
vagum var. ceratophytum (Bory) Sirod. 8777
Bellerochea V.H.
malleus (Bright.) V.H. 9124, 9141, 9220, 10017(o), 12228
Belodinium Cook. et Eis.
dysculum Cook. et Eis. 8048-8049(o,p)
Belostschelskia
sp. sp. 11561
Beresella Machaev ex Masl. et Krl.
sp. sp. 9389, 10295, 11561, 13233
compressa Saltovsk. 12136(o,p)
erecta Masl. et Kul. 9823, 12136(o,p)
gissarica Saltovsk. 12136(o,p)
machaevii Kul. 13236
polyramosa Kul. 13236
translucea Saltovsk. 12136(o,p)
uralica Machaev 9823

Bevocastria Garwood
sp. sp. 13232(p), 13233, 13235(o,p), 13236, 13237(p)
Biantholithus Braml. et Mart.
sparsus Braml. et Mart. 10427(p), 10433
Bicarinellum Defl.
castaninum Defl. 8048-8049(o,p)
Bicoeca Lemm.
sp. sp. 13274, 13279, 13294
multiannulata Skuja 13274, 13279, 13287, 13294
oculata Zach. 10822
Bicosoeca H.Clark
sp. sp. 13273
multiannulata Skuja 13273
Bicuspidellopsis Korsch.
fusiformis Korsch. 10220
triangularis Korsch. 10008
Biddulphia Gray
sp. sp. 7061, 7223, 7597, 8254, 9214, 9221, 9902, 10746-10748, 10756, 10900, 10904, 10980-10981, 11083, 12447, 12531, 12534, 12536, 12594, 12597, 13160, 13162, 13358
auliscoformis Streln. 12529, 12530(o,p)
aurita (Lyngb.) Bréb. et Godey 7415, 7416, 7424, 7491, 7494, 7530-7532, 7950, 7954, 8211, 8254, 8293, 8737, 8738, 8976(p), 8979, 8981(p3, 8995, 8999, 9002(p), 9029, 9214, 9510, 9709, 9715, 9720, 9747, 10017(o), 10331, 10371, 10384, 10414, 10939, 11424, 11442, 11571, 11979, 11980, 11994, 11997, 12004, 12006, 12228, 12597, 12669, 12956, 13353, 13706
- var. aurita 9721, 11085
- f. cylindrica Jousé 8981
- f. elliptica Jousé 8981
- var. obtusa (Kütz.) Hust. 8981, 9087, 10017(o,p), 11085, 13706
bicornis Cl. 11085
birostа Jousé 8981
decipiens Grun. 8370
decussata Streln. 12529, 12532(o,p)
dubia Cl. 7531, 8981, 9221, 97II(p)
echinata Jousé 8981
edwardsii Feb. 7530, 8981, 10017(o,p)
fossa Gr. et St. 13358, 13362
granulata Roper 8981
levigata Sheshuk. 13362
levis Ehr. 8737, 8738, 8988, 9220, 9312, 10902, 11571, 11578
longicruris Grev. 10017(o,p), 12669
- var. hyalina Cupp 8981, 12669
mammosa Grev. 8990
mobiliensis Bail. 7061, 7063, 9124, 9220, 9510, 9965, 11537, 12228, 12669, 13249
obtusa Raifs 8979, 8981(p)
ottomuelleri V.H. 9000
podagrosa Grev. 8990
primordialis Brun 8981
pulchella Gray 11083, 11085
punctata Grev. 8370
reticulata f. trigona Grun. 8370

rhombus (Ehr.) W.Sm. 7530, 8738, 898I, 9220, 9720, I0384(p), I0388, I0389, I039I, II696(o), I3I62
roperiana Grun. 898I
rostrata var. alata Pr.-Lavr. II80I(o,p)
russica Pant. 8370
seticulosa Grun. I04I4, I3358, I3362
sinensis Grev. 9I24, 9I4I, 922I, 9965, 9966, I00I5, I00I6, I00I7(o,p), I0749, II090, I2228, I2489, I29I7
striata Karst. 9432, I3353(p)
subaequa (Kütz.) Ralfs 9356, 9360
tabellariaeformis Forti I2529
tambovica Jousé 93I2
triloba Sheshuk. I3362
tuomeyi (Bail.) Roper 8254, 9952, I037I, I0462, I3353, I3363, I3369, I3707
- var. cretacea Jousé I2529
- var. tridentata (Ehr.) Jousé 8254, 8364, 8365, 8370, 9720, 9952, I0468, II334
- var. tuomeyi 8364, 8365, 8370, 9720, I0468, II334
weissflogii Jan. 8999, 9000, 9002, 9703(p), 9704, 9705, 97II, I033
Biecheleriella Defl.
jurassica Defl. 8048-8049(o,p)
Bifurcaria Stackh.
sp. sp. 9I56
Bija Vologd.
sp. sp. 9823, 9828, I2077
grandis Korde 9833
sibirica Vologd. 9833, I2223
Binuclearia Wittr.
sp. sp. 9694, I0306, II764, I3576
lauterbornii (Schmidle) Pr.-Lavr. 7I05, 72I7, 72I8, 7220, 7352-7355, 9668, 9687, I0008, II8I6(o,p), I3057, I3509, I35I2, I35I4, I3520, I3526, I3529, I3535
- var. crassa Pr.-Lavr. et Makar. 8890
- var. lauterbornii I0479(o)
tatrana Wittr. 7246, 7507, 7806, 8202, 8777, 8778(o), 9670, 9675, II673, II730, II736, II739, II8I6(o,p), II866, I2049, I2050
tenuis Kog. 72I5, 72I6, 9648, 965I, 9652, 9664, 9666
zaisanika Skv. 8038
Biscutum Black
ignotum Górka I0434
testudinarium Black et Barnes I3466
Blastophysa Reinke
rhizopus Reinke I3645
Blepharocysta Ehr.
paulsenii Schill. 7956, I2I53
splendor maris Ehr. I2I53
striata Schütt I2I53
Blidingia Kylin
chadefaudii (Feld.) Blib. 7948
marginata (J.Ag.) Dang. 903I, 9I7I(o), II383
- f. ramulosa Vinogr. 7948
minima (Näg.) Kylin 7608, 76II, 7947, 9I75
- var. minima 7948
- var. subsalsa (Kjellm.) Scagel 7948

Bodo Ehr.
angustus (Duj.) Bütsch. 8266
caudatus Duj. 8266, I0080
edax Klebs 8266
globosus Stein 8266, I0080
minimus Klebs 8266
ovatus (Duj.) Stein 8266
saltans Ehr. 9005
Bogutschania Korde
angarica Korde 8I32(o,p)
tuvinica Korde 9833
Bogutschanophycus Korde
sp. sp. I2754
mariae Korde I2752
Bohlinia Lemm.
echidna (Bohl.) Lemm. 9959, I3689
Bolbocoleon Pringsh.
piliferum Pringsh. 7940(o), 8054, 9406
Borodinella V.Miller
polytetras V.Miller 9748(o), I267I, I3439, I3452, I3453
Borzia Cohn ex Gom.
sp. sp. 7753, 7754, I3439, I3453, I35I8
susedana Erceg. II935(o), I3530
trilocularis Cohn 7750, 7752, 7754, 8266, 96I7, I0963, I0968, II866, II932, I2I95, I30I0, I327I, I3453
- f. minor Kosenko III92
Bostrychia Mont.
binderi Harv. I29I7
calliptera Mont. I29I7
Botomaella Korde
sp. sp. 9828
zelenovii Korde 982I(o,p), 9822, 9833
Botominella Reitl.
sp. sp. 8607, 8609, 9833, II657, I3596-I3597
densata Schipitz. I3382
elanskae Reitl. I3382
lineata Reitl. 9833, I04I5, I25I3, I3382
Botrydiopsis Borzi
sp. sp. 7375, I0069, IIII7, II265, II897
arhira Borzi 7225, 7373, 7376, 7377, 7749, 7750, 7753-7755, 8825, 8926, 9666, I0069, I0325, I0327, I0328, I0658, I0963, I0967, I0968, IIII3, IIII7, III35, II479, II480, II483, I2I92, I2I94, I2I95, I2449, I2574, I267I, I2809, I30I0, I3428, I3439, I3452, I3453
eriensis Snow I0658, II03I, II480, II7I9, II720, II878, I2I95, I2449, I2653, I2809, I28II, I3439, I3666
intercedens Pasch. 8570
minor (Schmidle) Chod. 7676, 7754, I07I5, I2809, I28II
Botrydium Wallr.
sp. sp. I3443, I3455
granulatum (L.) Grev. 7749, I0644, IIII7, III38, I2877
wallrothii Kütz. I0644
Botryocarpa Grev.
japonica Okam. 8054

Botryochloris Pasch.
cumulata Pasch. I2449
longeciliata Pasch. 7676, 7678
minima Pasch. 8038, IIII7
simplex Pasch. 9749(o)
Botryococcus Kütz.
sp. sp. 8301, I0799, I3II7, I32I2
braunii Kütz. 7243, 7246, 7248, 7250, 7348, 7350, 7351, 7354, 7507, 7992, 7993, 8038, 8197, 8310, 8700, 8750, 8890, 8912, 8914-8917, 8924, 9124, 9132, 9289, 9297, 9308, 9568, 9670, 9694, 9801, 9841, 9932, 9938, I0007, I0008, I0077, I0080, I0082, I0130, I0131, I0133, I0218, I0220, I0280, I0292, I0305, I0455, I0546, I0548, I0549, I0644, I0646, I0741, I0878, I0959, II094, III84, III86, II451, II452, II583-II585, II673, II866, II881, I2320, I2415, I2478, I2482, I2710, I2870, I2939, I32II, I3249, I3271, I3273, I3526, I3631, I3736
sudeticus Lemm. I2667(o)
Botryosphaera Chod.
sudetica (Lemm.) Chod. 9024, 9446
Braarudosphaera Defl.
bigelowii (Gran et Braar.) Defl. 8149, 8785, I0427(p), I0428, I0430, I0433
hexalitha Veksch. 7?24
tetralitha Veksch. 7824, II257(o,p)
Brachiatus
arachnites Schamr. I3298(p)
endoechinaceus Schamr. I3298(p), I3300(p)
Brachiomonas Bohl.
gracilis Bohl. I3645
Branchioglossum Kylin
nanum Inagaki 7636
woodii J.Ag. 8054
Brebissonia Grun.
boeckii Ehr. 9459, 9721, I2710
Brevichara H. af R.
crassa Dollf. et Fritel II097
hordlensis H. af R. II097
Brightwellia Ralfs
hyperborea Grun. 7824, 8149, 8355, 8364(p), 8370, 9952(p), I0939, II334, I2039, I3369
pulchra Grun. 8990
spiralis Gles. 8370(p), I3364(o,p)
Broomea Cook. et Eis.
ramosa Cook. et Eis. 8048-8049(o,p)
Bruniopsis Karst.
mirabilis (Brun) Karst. I0978
Bryopsis Lamour.
sp. sp. 8532, 9421, I2609, I2664
hypnoides Lamour. 7786(o), 8054, 8591, 8899, 8901, 8902, II410-II412
plumosa (Huds.) J.Ag. 7172, 7413, 7636, 8054, 8527, 8591, 8897, 8899, 8901, 8902, 9245(o), 9418, 9420, 9571, I0140, I0145, I0222(o), I0804, I0808, I0929, II384, II571, II600, II601,

II605-II607, I2751, I2917, I3602-I3605, I3633
Bulbochaete Ag.
sp. sp. 8038, 8301, 8700, 9110, 9257, 9505, 9694, 9751, 9819, I0646, I0905, II455, II671, II866, I2247, I2580, I2667, I3482, I3631(p)
borealis Wittr. I2680
brebissonii Kütz. 9749(o), I2175(o,p), I2581, I3623
crassiuscula Nordst. I3623
dispar Wittr. I3623
insignis Pringsh. I3482
- var. insignis I3623
intermedia De Bary I3482, I3517(o)
- var. depressa Wittr. I3623
- var. intermedia I3623
mirabilis Wittr. 9021, I3482
- var. mirabilis I3623
monile Wittr. et Lund I3526
nana Wittr. 9448, 9749(o,p), I3623
nordstedtii Wittr. I3623
rectangularis Wittr. III90(o,p), I3623
repanda Wittr. I3623
setigera (Roth) Ag. II866
tenuis (Wittr.) Hirn. var. tenuis I3623
varians Wittr. 9024, III90(o), I3623
Bumilleria Borzi
sp. sp. 7375, IIII3, I3008
exilis Klebs 8038, I0080, I2811, I3666
klebsiana Pasch. 8257, I0066, I0068, I0069, I0327, IIII7, I2195
sicula Borzi 7225, 9749(o), I0080, I0715, II720, I2358, I2359, I2449
Bumilleriopsis Printz
sp. sp. 7438, I0646
brevis (Gern.) Printz 7754, I0327, I0328, II878, I2809, I2811, I3439
closterioides Pasch. I0172, I0173, I0175, I0176
megacystis Skuja IIII7
peterseniana Visch. et Pasch. IIII7, I2195, I2449, I3453
simplex Pasch. I2449
terricola Matv. 7749, I0715, I2449, I2638
Burchunella
reticularia Titor. I2752
Bursiphycus Vologd.
sp. sp. 9828, 9833
Calciarpinum Defl.
tetraedricum Defl. 8048-8049(o,p)
Calcidiscus Kampt.
sp. sp. I2918(p)
medusoides Kampt. I2918
Calcifolium Schvetzov et Birina
sp. sp. 9823, I2144, I3233
okense Schetzov et Birina 9389, 9823, I3236
punctatum Masl. 9823
Calcigonellum Defl.
infula Defl. 8048-8049(o,p)

silicula (Ehr.) Cl. 7054, 7I39, 7I42, 7I88, 7973, 800I, 8038, 830I, 87I8, 878I, 898I, 9057-9059, 9298, 9360, 9568, 975I, 980I, I0046, I0047, I0099, I020I, I024I, I0363, I0646, I07I5, I0939, III90(o,p), II222, II223, II529, II579, II695, II866, I2320, I2347, I2383, I250I, I3I68, I320I, I3246, I3269, I3499, I35I7(o), I3646, I3647, I3668, I3756(o,p), I3758(o) I3353, I3757(o,p)
- var. alpina Cl. 7973, 8038, 9204, 97I5, I0532, I0939, I3246,
- var. baikalensis Skv. I020I
- var. gibberula (Kütz.) Grun. 7054, 9029, 9289, 9444, 980I, I0548, II694, I2347, I3246, I35I7(o)
- var. inflata Grun. I3246
- var. jenisseyensis Grun. 7973, I3246
- var. kjellmanii Cl. 7I30, 7I37, 7973, 8038, 8248, 9057, I020I, I02I8, I0220, II694, I3668
- subsp. limosa f. acuta A.Cl. 7054, 869I, 8700(p)
- var. longissima Schirsch. 8248, 878I, I2723, I35I7(o)
- var. major Skv. 9444, I3756(o,p)
- var. minuta Grun. 800I, 9057, 9443(o), 9444, I3I68, I3246
- var. peisonis Hust. 9443(o), 9444, I35I7(o)
- var. silicula (Ehr.) Cl. 9444, 9445, 972I, I0939, III94(o), II694
- var. truncatula Grun. 7973, 878I, 9057, 9444, 980I, II579, II694, II866, I2320, I3I68, I3246, I3354, I3668, I3758(o)
- var. tumida Hust. 800I, 878I, II930, I3246
- var. ventricosa (Ehr.) Donk. 7054, 7973, 8038, 830I, 8700(p), 878I, 9057, 9059, 9087, 9449, I02I8, I0220, III90(o,p), II45I, II694, II866, I3246, I3354, I35I7(o)
simplex Skv. I3756(o,p)
sphagnicola Skv. I3757(o,p)
trinodis (Lewis) Meist. II866
trochus var. genuina A. Mayer I0220
- var. sigmata (Meist.) A.Cl. I02I8, I0220
- var. trinodis (Lewis) A.Cl. 9444, 9445
trochus (Schum.) A.Mayer var. trochus I02I8
tumida Hust. 980I
- var. inflata Grun. 980I
westii (W.Sm.) Hendey 9029
zachariasii Reich. 8976, I0548, I0549, I3I68
- var. constricta Skv. I3756(o,p)
- var. elongata Skv. I3756(o,p)

Calothrix Ag. ex Born. et Flah.
sp. sp. 7I8I, 7575, 7752, 8038, 8I73, 822I, 8257, 8300, 8309, 8460, 8462, 8463(p), 8505, 8825, 9647, 9694, 98I2-98I5, 98I7, 98I8, I0I54, I0298, I0549, I0646, I0920, I095I, II3I9, II448, II455, II755, II757, II866, II93I, I209I, I2092, I280I, I2938, I343I, I3442, I35I0
adscendens (Näg.) Born. et Flah. I0026, I02I8, I0220
aeruginea (Kütz.) Thur. II442
aeruginosa Woronich. 7802, 8463, 8899, 9I20, I07I5, I0956, I2809, I28I5
- f. minor Melnik. I07I5, I35I8
baueriana (Grun.) Hansg. I0026, I2092, I3522
- f. minor (Hansg.) V.Poljansk. I0026

braunii Born. et Flah. 7I87, 7573, 7575, 7983, 8038, 9242, 9263, 9292, 980I, 98I3-98I5, 98I7, I0026, I0I26, I0I27, I0I50, I0I53, I0646, I07I5, II223, II753, II866, I2I95, I3530, I35I9, I3525
- f. major V.Poljansk. I07I5
- f. schirschowii V.Poljansk. I0026
breviarticulata G.S.West I0I26, I2680
brevissima G.S.West 7599, 7750, 7753, 7802, 7983, 800I, 8726, 8776, 9285, I0I26, I0646, I07I4, I07I5, I095I, IIII7, III90(o), II479, II480, II483, II886, I3426, I3433
clavata G.S.West 8309, 8778(o), I07I5, I0870, I087I, I35I8
columbiana G.S.West I0959
confervicola (Roth) Ag. 8899
cylindrica Frémy 965I, 9656, 9659, I3522
elenkinii Kossinsk. 7225, 7373, 7599, 7676, 7678, 7750, 8035, 8038, 8724, 8726, 9552, 9554, 9557, 9654(o,p), 9656, 9657, 9666, 98I8, 9875-9878, I0247, I0248, I0644, I07I5, I0968, IIII2, IIII3, IIII7, III36, II26I-II263, II265, II3I7, II480, II483, II720, II755, II756, II762, II866, II878, II886, II898, II932, II935, I2092-I2094, I2I95, I2680, I2807, I28I3, I28I5, I29I2, I3453, I3482
- f. edaphica Melnik. 7750, 7753, I07I5, III35, III38, I35I8
epiphytica W. et G.S.West 7983, 980I, I0026, I0956, II753, I30I4
- f. major Obuch. III90(o), I35I8
estonica Kukk I0026
fusca (Kütz.) Born. et Flah. 7I86, 9649, 9749(o), 9765(p), I0026, I0248, I2090, I2092, I2094, I3522, I3687
- f. michailovskoënsis (Elenk.) V.Poljansk. 8038, I234I
- f. minutissima V.Poljansk. II866
- f. parva (Erceg.) V.Poljansk. 8038
gracilis Fritsch 7802, IIII7
- f. flexuosa Fritsch I07I5
gypsophila (Kütz.) Thur. 9648, I0026, I0548, I0956, I3522, I3687
- f. orsiniana (Kütz.) V.Poljansk. 830I, I0026, I2094
kossinskajae V.Poljansk. 7983
montana (Tild.) V.Poljansk. I3522
parietina (Näg.) Thur. 8035, 9245, 9263, 9285, 930I, 9656, I0026, I0222, I0548, I0549, I095I, I202I, I2092, I2094, I2244, I3433, I35II, I35I8, I3526
- var. brevis Erceg. I0956
- f. nodosa Erceg. I0026
- f. thermalis (G.S.West) V.Poljansk. I35I0
ramenskii Elenk. 830I, 8307, 8308, I0026, I02I8, I0220, I3654
- f. minor (Woronich.) V.Poljansk. I0026, I0956
scopulorum (Web. et Mohr.) Ag. 8064, 8899, 9I20, 9768, II378, II379, II96I, I3645, I3687
stagnalis Gom. 8942, I0026, II866
stellaris Born. et Flah. 8462, 8463, I0026
subdichotoma (Woronich.) V.Poljansk. I0956
thermalis (Schwabe) Hansg. I0028(o), I3522

Calyptrosphaera Lohm.
sp. sp. 8760

insignis Schill. 8763, 9220, I0840, I084I
oblonga Lohm. 8762, 8763, 92I5, 9220, I0840, I084I
sphaeroidea Schill. 8762, 8763
Cambrina Korde
composita Korde 9833
fluticulosa Korde 9833
Cambroporella Korde
sp. sp. 9697, 9823, 9828, 9833, II3I4, I2753
tuvensis Korde 982I(o,p)
Camptylonema Schmidle
sp. sp. 8257
Campylaephora J.Ag.
sp. sp. I2664
crassa (Okam.) Nakamura 7636, 8054, II383, I2607, I3633, I3663(o,p).
- f. cymosa (Okam.) Nakamura I3663(o,p)
hypnaeoides J.Ag. 7636, 8054, 859I, I2604, I2607, I2664, I3633, I3634
Campylodiscus Ehr. ex Kütz.
sp. sp. 7496, 8254, 830I, 9748(o,p), I0I07, I0280, I0646, I0705, I0798, II083, II546, II579, II663(p), I3353, I3488, I3499
angularis Greg. 8738, 898I, I2004
aralensis I.Kiss. 8725, 9456, 9459, 9460(o), I0I02, II537, I353I
bicostatus W.Sm. I3645
butilus Skv. I3756(o,p)
clypeus Ehr. 72I5, 72I8, 7355, 7975, 7983, 8038, 8I44, 8738, 878I, 8859, 8976, 9I24, 9242, 9356, 9357, 9360, 9649, I0099, I0I0I, I0I02, I0I84, I0546, I0548, II3II, II572, II693-II695, II88I, I30I2, I3I7I, I3206, I327I, I3495, I35I7(o), I363I, I3645, I3724
- var. bicostatus (W.Sm.) Hust. 7354, 7355, 7988, 878I, 9242, 9444, 9445, 9459, 9649, 980I, I0280, I27I0, I35I7(o), I3645
- var. clypeus 9459, I27I0
daemelianus Grun. 7349-735I, 7353-7355, 7983, 8000, 896I, 9456, 9458, 9459, I0276, I0280, II537, II57I, I3576
echeneis Ehr. 7054, 7287, 735I, 7354, 7355, 7973, 7975, 7983, 7987, 7993, 8000, 8687, 869I, 8700, 8737, 8738, 878I, 8782, 8973, 8976, 9220, 9242, 9356, 9357, 9359, 9360, 972I, 9749(o), I0099, I0I98, I0548, I0939, II3II, II545, II547, II57I, II578, II694, I27I0, I2899, I3I62, I3I63, I3I7I, I3206, I3354, I3495, I3645, I3724
fastuosus Ehr. 898I
fragilis Skv. II683, II688, I3756(o,p)
- var. punctata Skv. I3756(o,p)
- var. rigens Skv. I3756(o,p)
hibernicus Ehr. 9959, I0220, II694
kidstonii Pant. 93I2
lacus baikali Skv. 9748(o), I3756(o,p)
- var. annulatus Skv. I3756(o,p)
- var. hispidulus Skv. I3756(o,p)
noricus Ehr. 7054, 7287, 7973, 7993, 8266, 869I, 878I, 9057, 9257, 980I, I0548, I0798, I0955, II694, II866, I2579, I3I7I, I3526, I364I, I3642, I3645, I3668, I3704

- var. costatus Grun. II866
- var. genuinus Grun. I3758(o,p)
- var. hibernicus (Ehr) Grun. 7054, 7973, 7988, 8038, 8423, 8423, 869I, 8694, 8700, 8738, 878I, 8976, 9057, 9059, 9356, 9357, 9360, 9362, 9748(o,p), 980I, I0080, I02I8, I0548, I0798, I0955, I0956, II866, I3354, I3646, I3647, I3758(o,p)
- var. noricus 869I, II45I
parvulus W.Sm. 9220
punctatus var. aralensis Borscz. 9242, II543, II546
thuretii Bréb. 8738, 898I, 9220, I0226
- var. baldjikianus Grun. I0468
- var. lineolatus Pr.-Lavr. 9220
Canningia Cook. et Eis.
reticulata Cook. et Eis. 8048-8049(o,p)
Canninginopsis Cook. et Eis.
denticulata Cook. et Eis. 8048-8049(o)
Cannopilus Häck.
sp. sp. 7824, 8360, 8990, I0982, I2I53
binoculus (Ehr.) Lemm. 8738
cyrtoides Häck. 9952
hemisphaericus (Ehr.) Häck. 8364, 8365, 8370
Cantulodinium Alb.
speciosum Alb. 8048-8049(o)
Capsosiphon Gobi
aureus Chapm. 7947, 7948
fulvescens (Ag.) Setch. et Gardn. 7947, 7948, 9I52
groenlandicus (J.Ag.) Vinogr. 7947
- f. groenlandicus 7948
- f. magnicellularis Vinogr. 7948
Carpodinium Cook. et Eis.
granulatum Cook. et Eis. 8048-8049(o,p)
Carpomitra Kütz.
cabrerae (Clem.) Kütz. 8054
Carpopeltis Schmitz
flabellata (Holm.) Okam. 8056
Carpophyllum Grev.
maschalocarpum (Turn.) Grev. 8056
plumosum (A.Rich.) J.Ag. 8056
Carteria Dies.
sp. sp. 7956, 9II2, 980I, II537, II605-II607, II739, I2327
acuta Schill. 8763, 9220
cordiformis Diss. 8763, I0080
crassifilis Schill. 8763, 9220
cylindracea Schill. 8763, 9220, I0840, I084I
globosa Korsch. 9694, I2I22, I2680, I327I, I3522
klebsii (Dang.) Francé 787I, I35I7
mucosa Korsch. I3373
multifilis (Fres.) Dill. I0046, I2776, I2784
obliqua Schill. 8763
obtusa Dill 8266
pallida Korsch. I327I
peterhofiensis I.Kiss. 8926
radiosa Korsch. I0220
willei Schill. I0204, I0205

Catena Masl.
sp. sp. 9823
friata Masl. 7I76(o,p)
Catenella Grev.
nipae Zanard. I3686
Cateniphycus Masl.
sp. sp. I3232(p), I3233, I3237
conchatiformis Mal. et Tchuv. I3235(o,p), I3237
plexus Titor. I2752
tchussovensis Mal. et Tchuv. I3235(o,p), I3237
Caulerpa Lamour.
sp. sp. 7338, I3307
Cayeuxia Frollo
sp. sp. 9823, 9833, I0564
Cenchridium Ehr.
globosum (Williamson) Stein 8763
Centritractus Lemm.
sp. sp. 7966
belonophorus Lemm. 800I, 8038, I0046, I0I77, I0646, III98, II866, I2I24, I3246, I327I, I3273, I3274, I328I, I3294, I3736
Centroceras Kütz.
clavulatum (Ag.) Mont. 8054, I29I7
Centrodinium Kof.
maximum Pav. I2223
Centronella Voigt
reicheltii Voigt 762I, I2575, I2577, I2579, I2580
Ceramium Roth
sp. sp. 7365, 7608, 76I5, 79II, 8064, 8275, 8532, 859I, 8902, 9075, 9II8, 9I22, 9I23, 9245, I0II0, I0223-I0225, I0330, I0409, II580, II833, I235I, I2492, I3477
arborescens J.Ag. 7606, 7940(o), 7942, 8550
areschougii Kylin 7606, 7940(o), 9406, I0II0
ciliatum (Ellis) Ducl. 7I6I, 8899, 890I, 94I8, 9420, I0929, III42, II408, II409(o), II4I0, II4I2, II4I5, II4I7, II420, II423, I3046, I33I3
cimbricum H.Petersen 7275, 8054, II384, I2664, I3669
circinatum (Kütz.) J.Ag. 8899
corticatulum Kylin II409(o), II4I2
deslongchampii Chauv. 9406
diaphanum (Lightf.) Roth 7I6I, 7I72, 7365, 7744, 7745, 7907, 7940(o), 8279, 8899, 8902, 9030(o), 903I, 9033(o,p), 9II8, 9I23, 9I24, 9I3I, 9245(o), 94II, 94I8, 9420, 942I, 9457(p), 9463, 9534, I0563(o), I0808, I0929, II409(o), II4I0-II4I2, II420, II42I, I3043, I3046, I3645, I3669, I3687
- f. corticatulum H.Petersen 9245, I0222(o)
- var. diaphanum f. medium Sjöstedt I3687
- var. strictum G.Feldm. 8899
- f. strictum C.Feldm. II409(o), II4I0, II4I2
- var. tenuissimum Roth I3687
- var. zostericola (Thur.) Feldm.-Maz. I3687
- - f. corticatulostrictum Kylin I3687
elegans Ducl. 7362, 8898, 8899, 890I, 8902, 9030(o), 903I, 9033(o,p), I0563(o), I0929, II4I3, II4I4, II4I9-II42I,

II423, II576, I2257, I2258, I33I2-I33I4
- var. fastigiatum M.Celan et Serb. 8899
involutum Kütz. 9I65(o)
japonicum Okam. 7636, 8054, II383(o), II384, I2607
kondoi Yendo 7636, 8054, 8065(o), 859I, I2064, I2604, I2607, I2609, I2664, I3029, I3633, I3663(o,p)
- f. abbreviatum Nakamura I3633
- f. ambiguum Nakamura I3633, I3634, I3663(o,p)
- f. trichotomum Nakamura I3663(o,p)
- f. typicum Nakamura I3663(o,p)
leptozonum Howe I29I7
pedicellatum (Duby) J.Ag. 7606, 94I8
rubrum (Huds.) Ag. 7II8, 7I6I, 7I72, 7275, 7282, 74I3, 760I, 7606, 76I3, 7744, 7745, 7907, 79I0, 8054, 8070, 8073, 8275, 8279, 8527, 859I, 8899, 8902, 9I2I, 9I24, 9405, 9406, 9409, 94II, 94I7, 94I8, 9420, 957I, 9729, I0055, I0058, I0I45, I0808, I0929, III42, II408, II409(o), II4I0-II4I2, II4I5-II4I7, II420, II423, II570, II573, II600, II60I, II605-II606, II629, II630, I2I40, I2258, I2607, I2907, I3043, I3046, I3602-I3606, I3640, I3645, I3687, I3708
- var. decurrens J.Ag. 8897-8899, 8902, II573
- f. decurrens J.Ag. II409(o), II4I2
secundatum Lyngb. 7940(o), 7942, 9I62(o)
strictum Grev. et Harv. 7I72, 760I, 890I, 9406, 94II, 94I8, 9420, 942I, II57I, I2258
tenuicorne (Kütz.) Waern 9I24
tenuissimum (Lyngb.) J.Ag. 7I6I, 7I64, 8899, 890I, 9I24, 9420, 942I, II57I-II573, II576, I2I39, I2I40
vertebrale H.Petersen I3645
Cerasterias Reinsch
irregularis G.Sm. I0876
Cerataulina H.Perag.
sp. sp. II8I5
bergonii H.Perag. 706I, 7063, 792I, 7950, 7952, 7954, 7956, 7958, 8752, 8763, 8765, 9I24, 9I4I, 9I42, 92II, 9220-9223, 9229, 9232, 96I9, 9784, 9787, 9793, I0205, I0206, I0208, I0209, I02I2, I02I3, I0473, I0475, I0673, I084I, I0865, I0877, I0888, II536, II537, II834, I20I9, I2I53, I2223, I2228, I2597, I3052, I3725
Cerataulus Ehr.
sp. sp. 706I, 8370
ellipticus Veksch. 7823(o,p)
rotundatus Schibcova II334
turgidus Ehr. 9220, 9720, II696(o)
Ceratiopsis Vozzhen.
leptoderma Vozzhen. 8048-8049(o,p), II463
prutensis Grigor. 8538
Ceratium Schrank
sp. sp. 706I, 7062, 7I03, 7295, 734I, 746I, 75I2, 75I9, 7680, 7805, 795I, 7953, 7959, 7972, 8048-8049(o,p), 83I9, 8488, 8598, 8760, 898I, 90I9, 9I40, 922I, 9233, 9337, 9375, 9676, 9698, 9902, 9943, 9959, I022I, I0324, I0460, I0475, I0538,

I0765, I0799, I0996, II069, II2I0, II549, II583, II663(p), II690, II8I5, II87I, II997, I2007, I2078, I2080, I2I7I, I22I4, I2223, I2230, I26I7, I2669, I3II7, I3627-I3629, I363I, I3730
arcticum (Ehr.) Cl. 74I6, 7950, 7952, 7954, 7957, 9I24, 9747, I00I4, I00I7(o), I0886-I0892, II997, I2004, I2I53, I26I5, I2892, I2956
- var. curvicorne Ussatsch. I2892
- var. ventricosum Ussatsch. I2892
arcuatum (Gour.) Cl. I2228
arietinum Cl. 706I, 9I4I, 9965, I00I7(o), I0092, I2I53, I2223, I2228
- f. detortum (Stüwe) Jörg. 922I, I00I4, I00I7(o,p), I2669
- f. gracilentum Jörg. I00I7(o,p)
- f. regulare Jörg. I00I4, I00I7(o,p), I2669
- f. valens Jörg. I2I53
axiale Kof. I2223
azoricum Cl. 706I, 922I, I00I4, I2I53
belone Cl. 706I, 7956, 9I4I, I2223, I2228, I2597, I2669
bigelowii Kof. 9I4I, I2I53, I2597, I2598, I2669
bohmii Graham et Bronik. I2223
breve (Ostf. et J.Schm.) Schröd. 706I, 7063, 9I4I, I2I53, I2223, I2228, I2597, I2669
bucephalum (Cl.) Cl. 706I, 7950, 7954, 9I38, 9I4I, 922I, I00I7(o), I0092, I0888, I089I, I0892, II997, I2004, I2I53, I26I5
buceros Zach. 706I, 9I38, 9I4I, I0092, I2079, I2I53, I2597, I2669
- f. clavigerum Kof. I2223
- f. denticulatum (Jörg.) Pauls. 922I
- f. indianum I0092
- f. leptosomum Jörg. I2I53
- f. molle (Kof.) Jörg. 7063, 7956, 8763, I2597, I2669
- f. tenue Ostf. et J.Schm. I2223, I2597,
- f. tenuissimum Kof. I2597, I2669
candelabrum (Ehr.) Stein 706I, 9I4I, 9220, 9965, I2I53, I2223, I2228, I2596-I2598, I2669
- f. curvatulum Jörg. I00I7(o,p), I2I53
- f. depressum Pouch. I2I53
carolinianum (Bail.) Jörg. I0I33(o,p), I2I75(o,p)
carriense Gour. 706I, 7063, 8763, 9I38, 9I4I, 9598, 9965, I0092, I2I53, I2223, I2224, I2228, I2444, I2594-I2599, I2669
- f. ceylanicum (Schröd.) Jörg. I00I5, I00I6, I2I53
- f. volans (Cl.) Jörg. 9I38, 9I4I, I00I4, I2I53, I2223, I2597, I2669
cephalotum (Lemm.) Jörg. I2I53, I2228
coarctatum Prv. 9604
compressum Gran 706I
concilians Jörg. 706I, I2228, I2669
contortum (Gour.) Cl. 9I38, 9I4I, I0092, I2I53, I2223, I2228, I2444, I2597, I2669
- f. molle I2223
- f. subcontortum (Schröd.) Nielsen 9I38, I2223, I2669
contrarium Gour. 922I, I2228

cornutum (Ehr.) Clap. et Lachm. 800I, 8038, 9448, I2320, I3352, I35I7(o)
declinatum Karst. 8763, 9598, I2I53, I2228, I2444, I2597, I2669
- f. brachiatum Jörg. I2223
- f. normale Jörg. 7956
deflexum (Kof.) Jörg. 706I, 9I38, I00I5, I00I6, I2I53, I2223, I2228, I2594-I2598, I2669
dens Ostf. et J.Schm. I2597, I2598, I2669
digitatum Schütt 7956, I2228
euarctatum Jörg. 9I4I, I2I53, I2223
extensum (Gour.) Cl. 706I, 7956, 8082, 9I38, 9I4I, 9220, 922I, 9604, 9965, I0II9, I2I53, I2223, I2228, I2594, I2596, I2597, I2669
falcatiforme Jörg. 9I4I
falcatum (Kof.) Jörg. 706I, 7063, I2223, I2669
filicorne Nielsen I2223
furca (Ehr.) Clap. et Lachm. 706I, 75I7, 792I, 793I, 7950, 7954, 8530, 8763, 9I24, 9I4I, 92I0, 92II, 9220, 922I, 9223, 9232, 96I9, 9783, 9785, 9789, I00I7(o), I0206, I0673, I0846, I089I, II205, II537, II997, I2004, I208I, I2I53, I2228, I2444, I2598, I26I5, I2669, I3249, I3388, I3725
- var. berghii Jörg. 9220, 9965, I2I53
- var. eugrammum (Ehr.) Jörg. 7950, 7952, 7954, II537, I2I53, I2223, I2597
- f. eugrammum (Ehr.) Jörg. 7956
fusus (Ehr.) Duj. 706I, 7063, 75I7, 7596, 7598, 792I, 793I, 7950, 7952, 7954-7956, 82II, 8387, 8530, 9I24, 9I4I, 92I0, 92II, 9220, 922I, 9223, 9232, 9598, 96I9, 9747, 9787, 9793, 9965, I00I4, I00I7(o), I0673, I0757, I0886-I0892, II205, II234, II537, II993, II994, II997, I2000, I2004, I20I9, I2079, I2I253, I2228, I2597, I26I5, I2892, I2956, I3388, I36I8, I3725
- var. schuettii Lemm. 9965, I2I53
- var. seta (Ehr.) Jörg. 706I, 8763, 9604, I2I53, I2223, I2669
- f. seta (Ehr.) Jörg. I0092
geniculatum (Lemm.) Cl. 922I, I2597
gibberum Gour. 706I, 9I4I, 9965, I2I53, I2223, I2228, I2597, I2669
- f. dispar (Pouch.) Jörg. I00I5, I00I6
gracile (Gour.) Jörg. I0955, I35I5
gravidum Gour. 8082, 9I38, 9965, I2I53, I2223, I2228, I2594, I2597, I2669, I3388
hexacenthum Gour. 706I, 9604, 9965, I00I4, I0888 I2I53, I2228, I2596, I2597, I2669, I3388
- var. contortum (Lemm.) Jörg. 922I
- f. contortum (Lemm.) Jörg. 9I38, 9I4I, I2I53, I2223, I2597, I2598
- var. hiemale Pav. 922I
- f. spirale Kof. 9I38, I2223, I2597, I2669
hircus Schröd. I00I5, I00I6, I0757
hirundinella (O.F.Müll.) Bergh. 7I00, 7I03, 7I84, 72I5, 72I8, 7220, 7243, 7246, 7249, 7250, 7252, 7294, 7296, 7297, 7344, 7348, 7350, 7353, 7462, 7467, 7469, 7470, 7507, 7624, 7694, 7732, 7764, 7804, 7877, 7992, 800I, 8038, 8202, 8228, 8258,

8307, 8308, 8310, 8313, 8371, 8473, 8700, 8710, 8718-8720, 8725, 8748, 8750, 8859, 8904, 8908, 8914, 8942, 9080, 9108, 9124, 9133-9135, 9220, 9242, 9257, 9289, 9292, 9298, 9308, 9433-9434, 9438, 9439, 9441, 9448, 9492, 9499-9501, 9503, 9568, 9580, 9643, 9648, 9649, 9651, 9664, 9666, 9667, 9670, 9675, 9678, 9679, 9681, 9684, 9686, 9687, 9699, 9751, 9801, 9819, 9882, 9932, 9938, 9959, 10008, 10044, 10080, 10086, 10113, 10114, 10173, 10218, 10220, 10286, 10292, 10363, 10539, 10548, 10644, 10646, 10741, 10798, 10869, 10870, 10874-10876, 10878, 10906, 10955, 11025, 11073, 11128-11130, 11158, 11223, 11451, 11452, 11455, 11486, 11488, 11537, 11672, 11673, 11739, 11864, 11866, 11881, 11930, 11933, 11935, 12049, 12095, 12122, 12130, 12320, 12323, 12327, 12331, 12416, 12477, 12478, 12482, 12515, 12550, 12575, 12577, 12579-12581, 12630, 12645, 12646, 12710, 13012-13014, 13027, 13056, 13059, 13061, 13197-13199, 13208, 13246, 13250, 13266, 13268, 13270, 13271, 13273-13275, 13289, 13290, 13293, 13294, 13370, 13373, 13398, 13488, 13508, 13517(o), 13531, 13535, 13583, 13591, 13594-13595, 13631, 13641, 13642, 13665, 13699, 13713, 13736, 13746, 13747

- typus austriacum (Zederb.) Bachm. 10549, 11025, 11866, 12512, 13057, 13271, 13509, 13512, 13515, 13520, 13527
- f. austriacum (Zederb.) Bachm. 12512, 13245, 13631
- f. carinthiacum (Zederb.) Bachm. 13631
- var. furcoides (Lev.) Schröd. 10042
- f. furcoides (Lev.) Schröd. 10008, 12323, 13631
- typus gracile Bachm. 9289, 9580, 10046, 10955, 11866, 13515, 13520, 13526, 13527, 13642
- f. gracile Bachm. 9289, 10008, 12323, 13631
- typus piburgense (Zederb.) Bachm. 12336, 13520
- f. piburgense (Zederb.) Bachm. 13245, 13631
- typus robustum (Amb.) Bachm. 10046, 10959, 13520, 13642
- f. robustum (Amb.) Bachm. 10008, 12323, 13631
- typus silesiacum Schröd. 10955, 11866, 13526
- var. silesiacum Schröd. 13014

horridum Gran 7956, 10092, 10892, 11997, 12004, 12153, 12223, 12228

humile Jörg. 9141, 12223

incisum (Karst.) Jörg. 12228, 12669

inflatum (Kof.) Jörg. 7517, 9138, 9141, 9220, 9221, 9965, 10017(o), 10092, 12153, 12597, 12598, 12669

intermedium (Jörg.) Jörg. 10886, 10888, 10891

- f. typicum Paula. 7061

karstenii Pav. 7061, 9138, 9141, 9221, 9965, 12153, 12223, 12444, 12596-12598, 12669

kofoidii Jörg. 7061, 7956, 10014, 12153

lineatum (Ehr.) Cl. 9220, 9221, 10888, 10891, 12004, 12153

longinum Karst. 7061, 7956, 9141, 9221, 9965, 12153, 12597

longipes (Bail.) Gran 7950, 7952, 7954, 9124, 9604, 10014, 10017(o), 10092, 10757, 10888-10892, 11205, 11993, 11997, 12000, 12004, 12153, 12216, 12669, 12892, 13388, 13645

- f. ventricosum Ostf. 10017(o,p), 12669

longirostrum Gour. 7061, 9141, 12153, 12223, 12669

longissimum (Schröd.) Kof. 9141, 12153, 12594, 12597, 12669

lunula Schimp. 7061, 9141, 9965, 12153, 12223, 12228, 12594, 12597, 12598, 12669

macroceros (Ehr.) Cl. 7061, 7950, 7952, 7954-7956, 8082, 9141, 9220, 10017(o), 10573, 10888, 10891, 10892, 11205, 11997, 12004, 12153, 12223, 12228, 12596, 12597, 12615, 12669, 13388

- var. gallicum (Kof.) Jörg. 7061, 9221, 10014, 10017(o,p), 12153, 12223, 12597
- f. gallicum (Kof.) Jörg. 10757, 12598, 12669

massiliense (Gour.) Jörg. 7061, 8082, 9137, 9138, 9141, 9143, 9598, 9604, 9965, 10092, 10891, 10892, 12079, 12153, 12223, 12228, 12444, 12594-12597, 12599, 12669

- f. armatum (Karst.) Jörg. 10017(o,p), 12153, 12597, 12669
- f. macroceroides (Karst.) Jörg. 9138, 12597, 12598, 12669
- f. protuberans (Karst.) Jörg. 10014, 10017(o), 12153, 12669

minimum 13028

minutum Jörg. 7950, 7952, 7954, 7956, 8763, 9141, 9220, 9598, 10014, 12153

paradoxides Cl. 12223

pavillardii Jörg. 9141, 12153, 12594, 12597, 12669

pentagonum Gour. 7061, 8048-8049(o,p), 8212, 9124, 9141, 9220, 9221, 9598, 9604, 9965, 10014, 10757, 10886-10889, 10892, 12019, 12153, 12444, 12597, 12598, 12615, 12669, 13028

- subsp. pacificum Graham et Bronik. 10017(o,p)
- f. robustum (Cl.) Jörg. 7956, 12153
- f. tenerum (Jörg.) Peters 7956, 10014
- f. turgidum Jörg. 10017(o,p)

platycorne Daday 10886, 10888, 12669

- f. cuneatum Jörg. 12153
- f. dilatatum (Karst.) Jörg. 12153, 12669

porrectum Karst. 7061

praelongum (Lemm.) Kof. 7063, 12228

protuberans (Karst.) Paula. 9220

pulchellum Schröd. 7061, 9141, 12153, 12223, 12228, 12596-12598, 12669

- f. dalmaticum (Böhm) Schill. 12669
- f. semipulchellum Jörg. 12223, 12669

ranipes Cl. 9141, 9965, 12228, 12596-12598, 12669

- f. palmatum (Schröd.) Jörg. 12153, 12596, 12597

reflexum Cl. 12153

schmidtii Jörg. 12669

setaceum Jörg. 7063, 8763, 9141, 9598, 12223, 12597

symmetricum Pav. 7061, 8763, 9141, 9598, 10757, 12153, 12223, 12228, 12597, 12669

tenue Ostf. et J.Schm. 12228

teres Kof. 7061, 7956, 9141, 12153, 12223, 12228, 12444, 12597, 12669

trichoceros (Ehr.) Kof. 7061, 8082, 9137, 9138, 9141, 9221, 9598, 9604, 9965, 10014-10016, 10092, 10888, 10892, 12019, 12153, 12223, 12224, 12228, 12594-12599, 12669

- f. claviceps Schröd. 12223, 12224, 12597
- var. contrarium (Gour.) Schill. 9138, 12153, 12669
- f. contrarium Gour. 12223, 12224

tripos (O.F.Müll.) Nitzsch 7061, 7517, 7921, 7931, 8763, 9124, 9141, 9220, 9598, 9604, 9965, 10014, 10092, 10757, 10886-10889, 10892, 12019, 12153, 12444, 12597, 12598, 12615, 12669, 13028

9I4I, 92I0, 92II, 9220, 922I, 9223, 9232, 96I9, 9785, I00I4, I00I7(o), I0092, I0206, I0209, I0757, I0886-I0889, I089I, I0892, II205, II537, II607, II834, II997, I20I9, I2I53, I2444, I2669, I3388, I3618, I3725, I3750
- var. atlanticum Ostf. 706I, 7950, 922I, I00I7(o,p), I0886, I2I53
- f. atlanticum Ostf. 7952, 7954, 7956, I2223
- var. balticum Schütt 8048-8049(o,p)
- f. balticum Schütt 7950, 7952, 7954
- var. macroceros Clap. et Lachm. I3699
- f. ponticum (Jörg.) Ostf. I2669
- var. subsalsum Ostf. 922I, I3545
- f. subsalsum Ostf. I2I53
- f. tripodioides (Jörg.) Pauls. I00I7(o), I2669
- var. tripos I2004
- f. venta O.P.Müll. I0757
vultur Cl. 706I, 8082, 9I38, 9I4I, 922I, 9604, 9965, I0092, I20I9, I2I53, I2223, I2224, I2594, I2596-I2598, I2669
- f. japonicum Schröd. I2223, I2597
- f. pavillardii Jörg. I2223
- f. recurvum (Jörg.) Schill. I2597
- var. sumatranum (Karst.) Nielsen 9I24, 922I, I00I5, I00I6, I2I53
- f. sumatranum (Karst.) Nielsen I2223, I2594, I2597, I2598
Ceratocolax Rosenv.
hartzii Rosenv. 9I69, 9I75, 9406
Ceratocorys Stein
sp. sp. 706I, I2I53
armata (Schütt) Kof. 706I, I2I53
horrida Stein 706I, 9I38, 9I4I, 9965, I2I53, I2223, I2224, I2598, I2669
veligera (Defl.) Lejeune-Carpent. 8048-8049(o,p)
Ceratocystidiopsis Defl.
simplex Defl. 8048-8049(o,p)
Ceratolithus Kampt.
sp. sp. I29I8(p)
cristatus Kampt. I20I9, I29I8, I292I(p), I2922
lyramuliformis Rouch. I20I6(o,p), I20I9
telesmus Norr. I20I9
Ceratoneis Ehr.
sp. sp. 8487, I0370, I04I4
arcus (Ehr.) Kutz. 7054, 7I30, 7I32, 7I35, 7I37, 7I42, 7296, 7494, 7530, 7700, 7973, 8038, 8266, 898I, 90I8(o), 90I9, 9059, 9060, 9087, 9297, 9504, 9664, 9670, 9674, 9690, 97I5, 9748(o), 9749(o), 980I, I0I29, I0I48, I0I50, I0I52, I0I53, I024I, I0248, I037I, I0532, I095I, I0955, I0956, I0973, II094, III90(o), II3II, II424, II529, II694, I2I2I, I2I22, I2320, I2329, I250I, I2522, I2646, I27I0, I320I, I3246, I3373, I3504, I35II, I3522, I3583, I3756(o)
- var. amphioxys (Rabenh.) Brun 7489, 7676, 8038, 9220, 9297, 9444, 9445, I024I, I0245, I0248, I0956, III84, III86, III90(o,p), I2I54, I2320, I2652, I3246, I3250, I3522, I3583
- var. arcus 8700, 9444, 9445, 972I, I0245, I0247, III84, III86, I2652, I327I
- var. lineatis Holmboe 9444, I0I29, I02I8, I024I, I0955,

I0956, III90(o), II529, I3246, I3668
- - f. recta (Skv. et C.Meyer) Pr.-Lavr. 7I42, 9749(o), I0I29, III90(o), I320I, I3526, I3583
- var. parallela Poretzky 8036, I2320(o,p)
- subsp. recta (Skv.et C.Meyer) Skabitsch. I2320(o,p)
Cercobodo Krassil.
longicauda (Stein) Senn I0080
rhacoides Skuja I0080
Cercomonas Duj.
fusiformis 8266
longicauda Duj. 8266
Cerodinium Vozzhen.
sp. sp. II463
sibiricum Vozzhen. 8048-8049(o,p)
Cestodiscus Grev.
pulchellus Grev. I0978
- var. maculatus Kolbe I0978, I0982
Chabakovia Vologd.
sp. sp. 7788, 935I, 9697, 9828, I0758, I2753, I3233, I3236, I3237(p)
cavitata Vologd. 8II3(o,p)
flabellata Korde 9833
fungiformis Korde 9833
monstrata Korde 7788, 982I(o,p)
nana Korde 9833
nodosa Korde 7788, 982I(o,p), 9833
ramosa Vologd. 9697, 9833, I25I3, I2753, I3070
tuberosa Korde 982I(o,p), 9822, 9833
Chabakovimorpha Korde
tuberosa Korde 9833
Chaetangium Kütz.
fastigiatum (Bory) J.Ag. 9I65(o)
Chaetoceros Ehr.
sp. sp. 706I-7063, 7287, 74I4, 75II, 75I2, 75I4, 7532, 7680, 7728, 7827, 7829, 7868, 7869, 792I, 7953, 7972, 7973, 8038, 8253, 8254, 8365, 8370, 8387, 8488, 8523, 8553, 8557, 8598, 8725, 8737, 8738, 8752, 8760, 876I, 878I, 88I5, 8974, 898I, 899I, 8995, 9084, 9II5, 9II7, 9I4I, 92I0, 922I, 9374, 9375, 97I6, 9720, 972I, 9868, 9873, 9874, 9902, 994I, 9959, I009I, I0I02, I0I98, I0276, I0280, I0384, I0392, I0417, I0462, I0466(o,p), I0574, I0746-I0748, I0756, I0765, I0888, I0982, II083, II205, II3II, II334, II449, II663(p), II8I5, II9I0, II994, II997, I2007, I2078, I2079, I2I53, I22I6, I2594, I2597, I2669, I29I7, I2962, I3I02, I3I60-I3I62, I3I64, I3I65, I3I7I, I3206, I3249, I3353, I3363, I3478, I3495, I3576, I36I6, I3628, I3649, I3706, I3750
abnormis Pr.-Lavr. 9784
aculeatus Makar. 9720, I0466(o,p)
affinis Laud. 75I7, 753I, 7536, 7956, 7973, 7975, 8I82, 82II, 8570, 8738, 8763, 8765, 898I, 9I4I, 9I95, 92II, 9220, 922I, 9223, 9232, 96I9, 9720, 9747, 9784, 9787, 9793, 9873, 9874, 9965, 9966, I00I7(o,p), I02I4, I0276, I0462, I0466(o,p), I0468, I0473, I0475, I0673, I084I, I0857, I0888, I089I, I0892, II537, I20I9, I208I, I2I53, I2597, I2599, I2669, I2956, I3052, I3I64, I3303, I36I8, I3706, I3725

- var. affinis I0859, I086I, I0862, I2004
- var. schuettii Cl. I2004
- f. schuettii (Cl.) Pr.-Lavr. 9220
- var. willei (Gran) Hust. 7954, 9220, 922I, 9785, 9788, I086I, 10862, I2I53
anastomosans Grun. 753I, 898I, 9220, 96I9, I0859, I086I, I0862, I2080
arcticus I0757
arcuatus Makar. I0862
atlanticus Cl. 74I6, 7950, 7952, 7954, 82II, 8387, 8763, 898I, 9000, 9I24, 9I4I, 922I, 9432, 9598, 9604, 9703-9705, 9708, 97I6, 9965, I00I3, I00I4, I00I7(o), I0092, I0II9, I0744, I0757, I0886-I0892, II375, II979, II994, II998, I2004, I2006, I2007, I2I53, I2228, I2399, I26I5, I2669, I289I, I2892, I3388, I3649
- var. atlanticus I0862
- f. audax Gran 7956, I00I3, I00I7(o), I2223
- var. neapolitanus (Schröd.) Hust. 7536, 9I4I, I00I7(o), I0862, I2I53, I2597
- f. neapolitanus (Schröd.) Hust. 7534(o), I2223
- var. skeleton (Schütt) Hust. I2597, I2669
baculites Meunier 7950, 7952, 7954
borealis Bail. 7950, 7952, 7954, 8387, 9220, 9704, 9747, 9965, I00I3, I00I4, I00I7(o), I0886-I0889, I089I, I0892, II998, I2004, I2006, I2007, I2I53, I289I, I2892, I2956
- f. solitarius Cl. 9220
borgei Lemm. 9220, I086I, I0862, I27I0
brevis Schütt 8556, I00I7(o), I0092, I0862, I0888, I089I, I20I9, I2I53
bulbosus (Ehr.) Heid. 9000, 9703, 9704, 9705(p), 97II, 97I6, I3649
ceratosporus Ostf. I0464, I2892
chunii Karst. 9432
cinctus Gran 7530, 753I, 7950, 7952, 7954, 898I, 8995, 972I, 9873, 9874
clavigerus Grun. 7489, I3707
coarctatus Laud. 7534(o), 7536, 7956, 82II, 9I4I, 922I, 9965, I00I7(o), I0092, I0862, I20I9, I2079, I2080, I2I53, I2223, I2224, I2228, I2444, I2596, I2598, I2599, I2669
compressus Laud. 75I7, 7952, 7954, 7956, 82II, 8762, 8763, 898I, 9I40, 9I4I, 9220, 922I, 9232, 96I9, 97I6, 9747, 9785, 9787, 9788, 9790, 9965, I00I7(o), I0462, I0466(o,p), I0857, I0859, I086I, I0862, I0892, II375, II450, II994, I2004, I2006, I2079, I2080, I2223, I2599, I289I, I2892, I2955, I2956, I2962, I3388, I3649
concavicornis Mangin 7954, 82II, 8387, 8979, 898I, 9I24, 97I2, 97I6, 9965, I00I3, I0092, I0749, I0757, I0886-I0892, II375, II997, II998, I2004, I2006, I2007, I2I53, I2228, I2489, I26I5, I2669, I289I, I2892, I3649
- f. volans (Schütt) Hust. 82II, I00I3, I2892
constrictus Gran 7956, 82II, 9I24, 9220, 9747, 9965, I00I7(o), I0859, I086I, I0862, I0890-I0892, II375, II537, I2004, I2669, I2955, I2956, I2962
- var. ambiguus Pr.-Lavr. 9220, I0470, II537, II802(o,p)
contortus Schütt 7950-7952, 7954, 7956, 7958

convolutus Castr. 7950, 7952, 7954, 82II, 8979, 9I24, 9220, 9747, 9965, I0092, I0757, I0862, I0886-I0888, I0892, II375, II994, II997, I2004, I2006, I2I53, I26I5, I2669, I2892, I2956
cornigerus Jousé 898I(p)
coronatus Gran 7950, 7952, 7954, 8738, 898I, 9220, 9873, 9874, I0862, I2004
costatus Pav. I0862, I2223
crinitus Schütt 7952, I2004, I0466(o,p)
criophilus Cl. 7667, 7930, 7950, 7952, 7954, 88I5, 9000, 9002, 9228, 9432, 9703, 9704, 9705(p), 9708, 97II, 97I6, I0II9, I0I20, I033I, I3028, I3649
- f. volans (Schütt) Hust. 7950, 7954
curiosus Makar. I0466(o,p)
curvisetus Cl. 75I7, 7530, 7596, 792I, 7925, 7927-7929, 793I, 7933-7935, 7952, 7954, 7970, 797I, 8254, 8292, 8330, 8387, 8556, 8570, 8763, 8784, 898I, 9029, 9II2, 9II3, 9I24, 92II, 9220-9223, 9229, 9232, 96I9, 9747, 9784, 9787, I00I7(o), I0I23, I0205, I0206, I0208, I0209, I02I2, I02I3, I0473, I0475, I0673, I08I4, I08I6, I08I7, I08I9, I0840, I084I, I0859, I086I, I0862, I0886, I0888, I089I, I0892, III26, II450, II537, I20I9, I2080, I2223, I259I, I2592, I2892, I2956, I2998, I3005, I3052, I3249, I3303
cylindrosporus Makar. 9720, I0466(o,p), I0468
dadayi Pav. 7956, 8763, 9I4I, I0862, I2I53, I2223, I2228, I2597
danicus Cl. 83II, 8763, 9I24, 9220, 96I9, 9747, I0078-I0080, I0I95, I02I3, I0466(o,p), I0803, I0857, I0859, I086I, I0862, I0888, I0892, II087, II537, II883, II904, I2052, I2055, I2I53, I27I0, I2956, I3028, I3645
debilis Cl. 7530, 753I, 7950-7952, 7954, 7955, 7957, 7958, 82II, 8738, 898I(p), 8994, 8995, 9029, 9I24, 9220, 9598, 9709, 9720, 9747, I00I7(o), I0466(o,p), I0886-I0892, II375, II994, II997, I2004, I2006, I2007, I2I53, I26I5, I289I, I2892, I2956
decipiens Cl. 7950-7952, 7954, 7955, 7958, 82II, 8387, 8763, 9I37, 9I38, 9220, 922I, 95I0, 9604, 96I5, 96I9, 9703, 9747, 9965, I00I3, I00I4, I00I7(o), I0092, I0757, I0862, I0865, I0886-I0892, II35I, II537, II994, II997, II998, I2000, I2004, I2006, I2007, I20I9, I208I, I2I53, I26I5, I2669, I2892, I2955, I2956, I2962, I3388, I3627, I3629, I3645
delicatulus Ostf. I0862, II8I4
densus Cl. 8387, 9220, 9232, I00I3, I0857, I0859, I085I, I0862, II997, II998, I2004, I2006, I2007, I2I53, I289I, I2892
dentatus O.Korotk. 9872(o,p)
diadema (Ehr.) Gran 9I24
dichaetus Ehr. 9000, 9002, 9I4I, 9432, 9703(p), 9704, 9705, 97II, 97I2, 97I6, I033I, I2223, I2228, I2892, I3649
didymus Ehr. 7530, 753I, 7952, 7954, 82II, 8387, 898I, 9I4I, 922I, 95II, 97I6, 9965, 9966, I00I7(o), I0092, I0466(o,p), II450, I2223, I2597, I3649
- var. anglicus (Grun.) Gran 82II, I00I7, I0862
- var. didymus I0862
- var. protuberans (Laud.) Gran 922I, I0862
difficilis Cl. 7956
diversicurvatus Van Goor I0469

diversus Cl. 7956, 8763, 9I4I, 9220, 922I, 9965, I0862, I20I9
dubius Pr.-Lavr. 9220, I0470, I0862, II537
eibenii Grun. 82II, 9I4I, I0886, I0888, I2I53, I2228
fallax Pr.-Lavr. 75I7, 92I5, 9220, 9793, I0470, I0862, II537
fragilis Meunier 9747, I0862, I2892, I2956
furcellatus Bail. 74I6, 7530, 753I, 7950, 7952, 7954, 7955, 82II, 8387, 8979, 898I(p), 8994, 8995, 8999, 9002(p), 9I24, 97I2, 97I5, 97I6, I00I7(o), I033I, I0886-I0889, I0892, II424, III68, II979, II994, II997, I2000, I2004, I2006, I2007, I2228, I289I, I2892, I3353, I3649
gaponovii Jousé 898I
glandazi Mangin 9965
gracilis Schütt 7954, 9I24, 9220, 9965, II087, I2I53, I27I0, I3645
heterovolvatus Schütt 8556, 92II, 92I9, 9220, 9234, I0470, I0862, II537
holsaticus Schütt 8784, 898I, 8994, 8995, 9I24, 9220, I0I98, I0462, I0466(o,p), I0862, I0886-I0889, I0892, II087, III26, II537, I27I0, I3645, I3706
incertus Makar. I0466(o,p)
incurvus Bail. 8995, 972I, I3353(p)
ingolfianus Ostf. 753I, 7952, 898I, 9720, 9747, I0466(o,p), II994, I2956
insignis Pr.-Lavr. 92^0, 96I9, I0470, I0862, II40I-II403
karianus Grun. 9220, I00I3, II537, II804(o,p), I2004, I2892
knipowitschii Henck. 9220
laciniosus Schütt 7950-7952, 7954, 82II, 8387, 9220, 922I, 96I9, 9747, 9784, I00I7(o), I02I3, I0857, I0859, I085I, I0862, I0888, I089I, I0892, II994, II997, I2004, I2006, I20I9, I2I53, I2892, I2956
laevis Laud.-Fort. 9I4I, 9965
lauderi Ralfs 8763, 9220, I0206, I0208, I02I2, I02I4, I0857-I0859, I086I, I0862, II537, I3005, I3249
longicornis Makar. 9720, I0466(o,p)
lorenzianus Grun. 7534(o), 7536, 7956, 82II, 8556, 9I24, 9I4I, 9I42, 9220, 922I, 9598, 9704, 97I6, 9720, 9965, 9966, I00I7(o,p), I0092, I0462, I0466(o,p), I0757, II536, II537, I20I9, I2079, I2080, I2I53, I2223, I2597, I2599, I2669, I2892, I3249, I3649
- var. lorenzianus I0475, I0862
- f. lorenzianus I0473
- var. singularis Takano 922I
- var. solitarius Pr.-Lavr. 9220, I0862, I3249
- f. subsalinus Pr.-Lavr. 9220, I0280, I0470, I0475, I0862, II537, I3249
messanensis Castr. 7534(o), 7536, 7956, 922I, 9704, 97II-97I3, 97I6, 996^, I0862, I0888, I0892, I2I53, I2228, I2597, I2599, I3649
minutissimus Makar. et Pr.-Lavr. 7354, 7355, I0469, I0470, IC474, I0480(o,p)
miocenicus Jousé 898I
mirabilis Makar. 7350, I0469, I0470, I0474, I0862
nitra (Bail.) Cl. 7490, 749I, 7494, 7530, 753I, 7868, 7869, 7952, 7954, 82II, 8738, 8780, 8784, 898I(p), 8995, 9002,

9029, 9220, 9568, III26, III68, II994, II997, I2004, I2892, I3I60, I3I62
muelleri Lemm. 72I5, 72I8, 7354, 8I44, 8556, 896I, 9085, 9220, 9649, I0463, I0466(o,p), I0474, I0862, I0955, II537, II8I4, I27I0, I3I62, I3526
neglectus Karst. 9000, 9703, 9704, 9708, 97II, I3028
odessanus Axentijev 9220
oppositisetaceus Pr.-Lavr. I0470, II537, II802(o,p)
pacificus Semina 7536, I222I(o,p), I2223
paulsenii Ostf. 7350, 7352-7355, 9I24, 9220, 96I9, 9720, I0276, I0280, I0462, I0463, I0466(o,p), I0468-I0470, I0473.- I0475, I0479(o), I0862, II537, II546
pelagicus Cl. 7950, 7952, 7954, 7956, 7958, 7959, 9220, 922I, 9965, I086I, I0862
pendulus Karst. 9I4I, 922I, 9965, I20I9, I2223
peruvianus Bright. 7534(o), 7536, 7633, 7956, 8763, 9I38, 9I4I, 9220, 922I, 9598, 9708, 97II, 9783, 9785, 9788, 9965, I00I5, I00I6, I00I7(o), I0092, I0475, I0757, I0857, I0859, I086I, I0862, I0886-I0892, I0979, II537, I20I9, I2I53, I2222, I2223, I2228, I223I, I2597, I2669
pliocenus Brun 898I, I3353
processus Makar. 9720, I0466(o,p)
pseudocrinitus Ostf. 7950, 7952, 7954, 7957, 9220
pseudocurvisetus Mangin 7633, I0862, I0979, I20I9, I2669
radians Schütt 8387, 9I24, I2892
radicans Schütt 753I, 7956, 82II, 898I, 9747, I00I7(o), I0862, I2669, I2956
ramosus O.Korotk. 9872(o,p)
rigidus Ostf. 7350, 7352-7355, 753I, 9220, 96I9, I0276, I0280, I0463, I0464(o,p), I0466(o,p), I0473, I0475, I086I, I0862, I3576
robustus Makar. 9720, I0462(o,p), I0466(o,p)
rostratus Laud. I0862
sarmaticus Gaponov 9872(o,p)
scabrosus Pr.-Lavr. 9220, 9367, I0462, I0466(o,p), I0470, I0857, I0859, I0862
schuettii Cl. I0862, I3724
scolopendra Cl. 9I24
seiracanthus Gran 7I44, 7349, 735I, 7353, 7355, 7530, 753I, 7973, 896I, 898I, 9220, I00I7(o,p), I0276, I0280, I0463, I0466(o,p), I0469, I0479(o), I0862, III68, II537, I3I64
septentrionalis Östr. 92II, 95I0, I0857, I0859, I086I, I0862, II804(o,p), I289I, I2892
setigerus Bright. 898I
seyshellarum Karst. 9I4I, 9965
similis Cl. 7952, 7954, 9220, 922I, 9747, I2004, I2892, I2955, I2956, I2962, I3248, I3249
- var. similis I086I, I0862
- var. solitarius Pr.-Lavr. 9220, I0859
- f. solitarius Pr.-Lavr. I0470, I0862, I3249
simplex Ostf. 75I7, 8759, 8763, 9220, 96I9, 9649, 9747, 9784, 9793, I0280, I0466(o,p), I0469, I0473-I0475, II537, I2I53, I2956, I3249, I3250
- var. calcitrans Pauls. 9220, I086I, I0862

- var. major Forti et Issel I0862
- var. simplex 7349, 7354, 7355, I0859, I086I, I0862
skeleton Schutt 9703-9705, 9708, 97II
socialis Laud. 7348, 7353, 74I5-74I7, 7424, 7596, 7925, 793I, 7950, 795I, 7954, 82II, 8350, 8387, 8752, 8780, 878I, 9I24, 922I, 9223, 95I0, 96I9, 9784, 9787, I00I3, I00I7(o), I0205, I02I2, I02I3, I0276, I0859, I0886, I0888, I089I, I0892, III68, II344, II405, II536, II537, II779, II994, II997, II998, I2000, I2004, I2006, I2007, I208I, I2I53, I2444, I289I, I2892, I2998, I3249, I36I7
- f. autumnalis Pr.-Lavr. 7927, 7928, 793I, 92II, 9220, 9223, I0206, I0209, I02I2, I02I3, II537, I3005, I3249
- var. radians Schütt I0862
- f. radians (Schütt) Pr.-Lavr. 7354, I0859, I086I
- var. socialis 7349, 7350, 7353, 7354, 8765, I0280, I0859, I086I, I0862
- f. vernalis Pr.-Lavr. 92II, 9220, 9223, 9230, I0206, I0209, I02I3, II537, I36I8
subsalsus Lemm. I27I0
subsecundus (Grun.) Hust. 74I5, 74I6, 7424, 7490, 749I, 7494, 7530, 753I, 7950, 7952, 7954-7958, 82II, 8387, 8738, 8979, 898I(p), 8994, 9002, 9029, 92I5, 9220, 922I, 95I0, 9709, 97I2, 97I6, 9747, I00I3, I00I7(o), I033I, I0462, I0466(o,p), I0862, I0886, I0888, II424, II994, II997, I2000, I2004, I2006, I2007, I289I, I2892, I2955, I2956, I2962, I3I62, I3649
subtilis Cl. 7353, 7954, 9I24, 9220, 9223, 9747, I0276, I0462, I0463, I0466(o,p), II537, I27I0, I2892, I2956, I3249
- var. abnormis Pr.-Lavr. 9220, 9223, I00I8(o,p), I0473, I0862, II537, II803(o)
- - f. simplex Pr.-Lavr. 7354, 7355, 92I5, 9220, I0469, I0470, I0474, II537, II802(o,p)
- var. knipowitschii (Henck.) Pr.-Lavr. II537
- f. knipowitschii (Henck.) Pr.-Lavr. I0862, II802(o,p)
- f. simplex Pr.-Lavr. I0862
- var. subtilis 7348, 7350, 7352-7355, I0280, I0473, I0475, I086I, I0862
- - f. knipowitschii (Henck.) Pr.-Lavr. 7353, I0469, I0470, I0474, I0479(o)
- f. subtilis I0473
subtortilis Pr.-Lavr. I0466(o,p), I0470, II537, II802(o,p)
teres Cl. 7950, 7952, 7954, 7955, 7957, 7958, 82II, 8387, 8556, 9220, 9747, I00I7(o), I0772, I0886, I0888, I0889, I089I, I0892, II994, II997, I2004, I2I53, I2892, I2956
tetrastichus Cl. 7956, I0862, I2I53, I2223
tortissimus Gran I0862
turbineus Makar. et Pr.-Lavr. I0469, I0470, I0474, I0480(o,p)
vanheurckii Gran 7956, I00I7(o)
vixvisibilis Schill. I0862
wighamii Bright. 7348-7350, 7352-7355, 75I7, 83II, 8725, 9I24, 92II, 92I4, 9220, 9242, 9568, 9649, 965I, 9720, 9747, 9793, I0078-I0080, I0I95, I0276, I0279, I0280, I0283, I0308, I0463, I0466(o,p), I0469, I0473-I0475, I0545, I0548, I0859, I086I, I0862, I0925, II087, II093, II537, II542-II547, II694, II883, II904, I2052, I2055, I2I30, I27I0, I2892, I2897, I3576, I363I, I3645, I3689
Chaetochloris Pasch. et Korsch.
consociata Korsch. et Pasch. 7049, 7050, I0646, I35I7(o)
Chaetocladiella C.Meyer et Skabitsch.
sp. sp. I2335, I2338
pumila (C.Meyer) C.Meyer et Skabitsch. I2339(o,p)
Chaetocladus Whitfield
sp. sp. 9824
Chaetomorpha Kütz.
sp. sp. 7547, 7688, 79I0, I0II0, II607, I2338, I2664, I29I6, I3720
aërea (Dillw.) Kütz. 760I, 800I, 8054, 8899, 890I, 8902, 9030(o), 903I, 9033(o,p), 9II8, 9I23, 94I7, 94I8, 9420, 965I, I0563(o), I0929, II409(o), II4I0, II4I2, II420, II42I, II423, I2607
baikalensis var. curta Skabitsch. 7547, 7548, 9260-9262, I2329
baltica Kütz. I3645
cannabina (Aresch.) Kjellm. 8054, 807I(o)
chlorotica (Mont.) Kütz. 8899, 890I, 9I24, 94I7, 9420, III42
crassa (Ag.) Kütz. 859I, 9406, I2609
curta Skabitsch. II688, I2340(o,p)
gracilis Kütz. 9406
henningsii P.Richt. II733
linum (O.F.Müll.) Kütz. 7636, 8054, 8899, 9I75, 94I7, 94I8, 9420, I0080, II409(o), II4I0, II4I2, II423, I2926, I2929, I3640, I3687
litoralis Skabitsch. 926I, I2329
media (Ag.) Kütz. I2604, I2607
melagonium (Web. et Mohr.) Kütz. 8054, 8064, 8279, 8282, 8550, 9I24, 9I54, 9I75, I0II0, II378, II379, II782, I3708
microscopica C.Meyer 7547, 926I, I2329
moniliformis Skabitsch. II688
moniligera Kjellm. 7636, 8054, I2607, I2609, I275I, I3633
pumila C.Meyer 7547, 9260, 926I, 9670(o)
solitaria Skabitsch. 926I
Chaetonema Nowak.
irregulare Nowak. 926I, I2758
Chaetopeltis Berth.
orbicularis Berth. 8700, 9433-9434, I0646, II45I, I2680, I3482, I3520
- var. grandis Hansg. I35I2
Chaetophora Schrank
sp. sp. 8038, 8309, 8904, 8907, 9053, 9694, I0583, I2346
elegans (Roth) Ag. 7I84, 7295, 7983, 830I, 8304, 9292, 9689, I0I26, I02I8, I0220, I0646, III90(o), II866
incrassata (Huds.) Hazen I02I8, I0220, I0956, I3309, I3673
pisiformis (Roth) Ag. I0I26
tuberculosa Ag. I2646
Chaetopteris Kütz.
sp. sp. 8275
plumosa (Lyngb.) Kütz. 760I, 7606, 76I0, 76I2, 76I3, 8064, 8275, 8279, 855I, 9I24, 9I54, 9I69, 9I75, 9406, II378, II833, I3708
Chamaesiphon A.Br.
sp. sp. I0029, I35I8, I3687
confervicola A.Br. 7507, 7627, I0026, I0220, I2054, I3482

curvatus (Borzi) Nordst. 7507, 8304, II866, I2646
- f. polysporinus Schirsch. 8309
cylindricus Boye-Pet. I02I8, I0220
incrustans Grun. 8038, 8308, I0026, I0956, II442, I248I(o), I30I0, I30I3
macer Geitl. 8308, 8309
minutus (Rostaf.) Lemm. 9292, I2054
Chamnia Desv.
parvula (Ag.) J.Ag. 7636, I3633
Chantransia DC
sp. sp. 7507, 8056, 9II0, I004I
baltica Rosenv. I3645
chalybea (Lyngb.) Fries 8300, 8304, 8306, 8307, 8309, 9648, 9749(o), 9932, 9938, I0905, I0944, I0956, I35I4, I35I9, I3525
cytophaga Rosenv. I3645
hollandica Kylin I0222
humilis Rosenv. I3645
parvula Kylin I0222
secundata (Lyngb.) Thur. I0929
violacea Kütz. 760I
Chara L.
sp. sp. 7I45, 7I56, 7222, 7487, 7499, 763I, 7747, 7776, 7779, 7903, 7980, 8220, 8484, 8545, 8564, 8620, 8826, 8827, 883I, 8832, 8838, 8860, 8875, 8878, 8904, 9024, 909I-9093, 9I45, 9I46, 9203, 9237, 9398-9400, 9420, 9490, 9492, 9505, 9649, 9664, 986I, 9903, 99I6, 99I9, 9944, 9959, 9960, 997I, I0I49-I0I5I, I0402, I04II, I04I8, I0548, I0549, I056I, I059I, I0670, I0849, I085I, I0853-I0855, I0880, I0959, I0975, II079, III22, III52, II2I8, II448, II472, II56I, II607, II750, II940, II966, II982(o), I2095, I2239, I2247, I2268(p), I2274, I2329, I2662, I2674, I2680, I2746-I2748, I2858, I30I0, I307I, I335I, I3387, I34II, I3507, I35I9, I3630, I3635, I368I, I3682, I3745, I3754
abnormiformis Vilh. I0I52, I0I53, I2675, I2676, I34I3, I34I6
aculeolata Kütz. 965I, II575, II582, I2797, I34I2-I34I4, I34I6, I3662
- f. refracta Mig. I3662
altaica A.Br. I0548, I0549, I2675, I2676, I3703
arcuatofolia Vilh. I2675, I2676
aspera (Deth.) Willd. 83I0, 903I, 9I24, 9237, 99I9, I0548, I0549, I0955, II274, II533, II576, II607, I23I8, I2675, I2676, I2744, I2746-I2748, I2797, I33I0, I33I3, I34I3, I34I4, I34I6, I362I, I3630, I3635, I3645, I3662, I3669, I3673, I3674, I3703
- f. aculeata Mig. I3662
- var. brevispina Mig. I0549, I2675
- f. filiformis Mig. I3662
- f. gracilis Mig. I3662
- f. humilis Mig. I3662
- f. longispina Mig. I3662
- f. minima Mig. I3662
- f. serrata Krassav. 9920(o,p), 9922
- f. streptophylla Mig. I3662

assinovskiensis Krassav. 9924(o)
- f. ascendens Krassav. 9924(o,p)
- f. assinovskiensis 9924(o,p)
- f. elongata Krassav. 9924(o,p)
australis R.Brown 8I52, 8I59, 8434, 8620, II858, I2476, I3624
- var. nobilis A.Br. 8I55
baltica Bruz. 9I24, I3645
baueri A.Br. I0583
bisulcata Peck et Reker II095(o,p)
bogdoana Auerbach I2098
braunii Gmel. 7I46, 7I49, 8087, 8I52, 8I59, 8620, I0583, III90, I2642, I2675, I2676, I34I3, I34I4, I34I6, I3504, I3506, I35II, I35I7
canescens Desv. et Lois. 7I46, 9I24, 9646, 9649, III90, II576, I2675, I2676, I34I3, I34I4, I34I6
- f. fusca Krassav. 9920(o,p), 9922
ceratophylla Wallr. 8I52, 8220, 93I4, I02I5, I0376, I23I8, I2476, I3309, I33I0, I362I, I3630, I3635, I3645, I3669, I3673, I3674, I3687, I3688, I3703
connivens Salzm. ex A.Br. I0549, I2675, I2676, I2797, I3309, I3662, I3669, I3673, I3703
- f. laxa Mig. I3662
contraria A.Br. ex Kütz. 7I45, 7I46, 7I48, 7I49, 7693, 8220, 9646, 9924(o,p), I0549, I0955, III90, I2642, I2645, I2650, I2675, I2676, I2796, I2797, I34I2-I34I4, I34I6, I3508, I35II, I35I7(o), I3584, I362I, I3630, I3635, I3662, I3673, I3674, I3703
- f. elegans Mig. I3662
- var. hispidula A.Br. I0549, I2675, I2676
- f. humilis Mig. I3662
- f. subfoetida Mig. I3662
coronata Ziz 8620, I0643-I0645, I2797
crassicaulis Schl. I2797
crinita Wallr. 9I24, I0546, I0548, I0549, I2675, I2676, I2797, I3645, I3687, I3703
crinitoides Hollerb. I2675, I2676
delicatula Ag. I2675, I2676, I2797, I34I3, I34I6, I3673, I3674, I3703
- var. bulbillifera A.Br. I0549, I2675, I2676
dominii Vilh. I2675, I2676, I34I3, I34I4, I34I5(o), I34I6
donbassica Demin 8753, I2097-I2098, I3742
fischeri Mig. 8908, I0548, I0549, I2675, I2676, I34I3, I34I4, I34I5(o), I34I6
foetida A.Br. 9664, I0643-I0645, I0955, I0956, I0975, II573, I2675, I2676, I2796, I30I3, I3096, I3673, I3703
fragifera Dur. 9646, I2637, I2675, I2676, I2797, I34I2-I34I4, I34I6
fragilis Desv. 7I45, 7I46, 7I48, 7I49, 7979, 83I0, 8434, 8907, 8945, 9237, 93I4, 9920(o,p), 9922, 9924(o,p), I0063, I0064, I0643-I0645, I066I-I0664, I0670, II533, II607, I23I8, I2675, I2676, I2678, I2746-I2749, I2796, I2797, I3096, I33I0, I33II, I335I, I34I3-I34I6, I35II, I35I7(o), I362I, I3635, I3662, I3673, I3674, I3703
- f. elongata Mig. I3662
- f. fragilis 8908

- f. hedwigii Mig. I3662
- f. humilior Mig. I3662
- f. laxa Mig. I3662
- f. normalis Mig. I3662
- f. pulchella Mig. I3662
- f. tenuifolia Mig. I3662
- f. turfosa Mig. I3662
galioides DC I2795
globularis Thuill. 8I52, 8I59, I0583
gymnophylla A.Br. I0I27, I0555, I3096, I34I3, I34I4, I34I5(o), I34I6
gymnopitys A.Br. 7693, III90, I2675, I2676, I34I3, I34I4, I34I6
hispida L. I23I8, I2675, I2676, I2797, I3309, I33I0, I3673, I3703
hydropitys Reichenb. I34I3, I34I4, I34I6
intermedia A.Br. 9075, 9I24, 9493, 9646, 9649, 965I, 9922, I0546, I0548, I0549, II573, I2675, I2676, I2856, I33I3, I335I, I3352, I35I7(o), I3703
jubata A.Br. ex Kütz. 8220, I2796, I2797, I3309, I3584, I362I, I3635, I3673, I3674
karpinskii Demin 8753, I2097-I2098, I3742
kirghisorum Less. I2675, I2676, I34I3, I34I4, I34I5(o), I34I6, I3703
locuples Hollerb. I34I3, I34I6
merianii Heer II462, II982(o)
neglecta Hollerb. II882, I3703
odessae Step. II097, II982(o), I2502, I2503
polyacantha A.Br. 8220, 9I24, I23I8, I2675, I2676, I2796, I2797, I3309, I33I0, I33I3, I3635, I3673, I3674, I3703
rudis A.Br. 8220, 83I0, I066I, I23I8, I2796, I2797, I3308-I33II, I362I, I3630, I363I, I3635, I3662, I3674, I3703
schaffneri (A.Br.) T.Allen 8907, 8908, 9646, 9649, 965I, I0546, I0548, I0549, I2637, I2675, I2676, I34I3, I34I4, I34I6, I3506, I35I7(o)
scoparia Bauer I2797
stellifera Step. 8757(o), 99I7(p), II097
strigosa A.Br. I0956, I2675, I2676
subcylindrica Reid et Groves 99I7(p)
tenuispina A.Br. I2675, I2676, I34I3, I34I6
tomentosa L. 9493, I0063, I0064, I0546, I0548, I0549, I2639, I2675, I2676, I2796, I2797, I33II, I34I3, I34I6, I3584, I3562, I3687
- f. inermis Mig. I3662
- f. macrotelea A.Br. I3662
- f. vulgaris Mig. I3662
uzbekistanica Hollerb. 8449, I2675, I34I3, I34I6
vulgaris L. 7I45, 7I46, 7I48, 7I49, 9646, 965I, 9666, 99I9, I0I52, I0153, I0548, I0549, III80, II190, I2642, I2645, I2650, I2675, I2676, I2678, I2797, I3096, I34I2-I34I4, I34I6, I3506, I3508, I35II, I35I7(o), I3522, I3662
- f. communis Mig. I3662(p)
- f. conferta Mig. I3662
- f. expansa Mig. I3662
- f. heterophylla Mig. I3662
- f. lata Krassav. 9920(o,p), 9922

- f. minuta Mig. I3662
- f. mollis Mig. I3662(p)
- f. normalis Mig. I3662
- f. pseudocontraria Mig. I3662
- f. punctulata Krassav. 9920(o,p), 9922
- f. vulgaris 9920(o,p), 9922
Characidiopsis Pasch.
ellipsoidea Pasch. IIII7
Characiochloris Pasch.
apiculata Korsch. 9749(o), I2932, I3530
characioides (Korsch.) Pasch. I2482
obtusa Korsch. I0646, III84
Charciopsis Borzi
sp. sp. 7377, 9292, I0069, III35
acuta (A.Br.) Borzi 7I87, 9292
borziana Lemm. 7376, I0220
gracilis Pasch. II878
lageniformis Pasch. I0220
malleus Pasch. IIII2, IIII3
microcysticola Skuja I0I3I, I0I33(o)
minima Pasch. IIII2, IIII3
minuta (A.Br.) Lemm. 7I8I, 7I87, 8038
minutissima Pasch. II720
naegelii (A.Br.) Lemm. I35I9
pyriformis (A.Br.) Borzi I27I0
- f. incrassata (Pasch.) Ded.-Stscheg. IIII7
rossica (Elenk.) Ded.-Stscheg. I02I8, I0220
sublinearis Pasch. 958I
Characium A.Br.
sp. sp. 7082, 7303, 7373, 8038, 8584, 89I2, 89I3, I0292, I074I, IIII7, III28, II897, I220I, I26I2, I2877, I2932, I2933, I3009, I30I0, I30I3, I32I9, I3666, I3736
acuminatum A.Br. 7376, 8038, 9687, I0080, I0646, I30I3, I35I7(o), I3520, I3526, I3562, I3747
ambiguum Hermann I2637, I3653
apiculatum Rabenh. I0080
braunii Brueg. 9292, 9749(o,p), 980I, I3249
brunnthaleri Printz I0I48
bulbosum Korsch. 9687
clava Hermann I3657
cylindricum Lamb. 980I, I0080
ensiforme Hermann 8038
falcatum Schröd. 9694, 980I, III28, I3249
hookeri (Reinsch) Hansg. 7250, I0080
issaëvii f. minus I.Kiss. I074I
limneticum (Lemm.) Korsch. 980I
longipes Rabenh. I3482
minutum A.Br. 980I
naegelii A.Br. I07I5, II720
nasutum A.Br. 980I, I2637
obtusum A.Br. 7049, 9433-9434, 9694, 9749(o,p), 980I, I0080, I0220, III84, II583, II584, II830, I2657(o), I30I3, I3657
ornithocephalum A.Br. 9749(o,p), I0968, II584, I30I3
- var. harpochytriiforme Printz II583
- var. ornithocephalum II583

ovatum L.Reinh. II720, II878
- f. minus Hollerb. 7749, 7753, I07I5, I3666
pluricoccum Korsch. 89I2
pringsheimii A.Br. I0080
sieboldii A.Br. I02I8, I0220, I0968
simplex Korsch. IIII2, IIII3
simplicissimum Korsch. I0220
strictum A.Br. I07I5, I0956, I35I7(o)
Charaxis Harris
sp. sp. I025I, I2I00, I2I07
Charcotia M.Perag.
actinochila (Ehr.) Hust. 7733, 7735(p), 8977(p), 8999, 9000(o,p), 9002, 9703(p), 9704, 9705(p), 9708, 97II(p), I033I, I0332
oculoides Karst. 8999
symbolophorus Grun. 8999
Charisella Birina
sp. sp. I3235
Charites H. af R.
sp. sp. 99I9
angusta Masl. I0602(o,p)
bitruncata (Reid et Groves) H. af R. II097
labaensis Masl. I0602(o,p)
molassica (Straub) H. af R. I0602(o,p)
- var. kirgisensis Masl. 8374, I0602(o,p)
sadleri (Ung.) H. af R. 8374, I0602(o,p)
Chilomonas Ehr.
sp. sp. I3750
marina (Braar.) Halldal 7952-7956, 7958
paramaecium Ehr. 8804, 9078
Chiphragmalithus Braml. et Sull.
achylosus Stover I0427(p), I0434
dubius (Defl.) Sull. I3474
Chlamydoblepharis Francé
knollii Schill. 9220
Chlamydomonas Ehr.
sp. sp. 7082, 7I03, 7I05, 7II3, 7I56, 7225, 7227, 7373, 7375, 7378, 7380, 7390, 74I0, 74II, 7436, 7438, 7469, 7500, 7589, 7620, 7623, 7627, 7676, 7678, 7732, 7753, 7805, 7880, 7969, 8228, 8257, 8294, 830I, 8348, 8363, 8426, 8452(p), 8560, 8576, 8584, 87I0, 8825, 8877, 8904, 8905, 89I6, 89I7, 8939, 8965, 90I8, 902I, 9024, 9085, 92I4, 9220, 9257, 9289, 93I6, 9324, 9520, 958I, 96I7, 9666, 9752, 980I, 9820, 9883, 9959, I0008, I0024, I0040, I0046, I0048, I0068, I0069, I0I26, I0I76, I0I89, I0I90, I0I92-I0I95, I02II, I02I4, I0305, I0325, I0362, I0526, I0548, I0646, I09I4, I09I5, I0920, I0922, I0968, I0972, IIII2, IIII3, IIII9, IIII8, IIIB4, III98, II_64, II304, II325, II326, II329, II478, II480, II537, II552-II554, II583, II605-II607, II673, II7I9, II720, II739, II828, II837, II847, II859, II866, II88I, I2049, I2055, I2075, I2095, I2175, I220I, I2248, I2249, I2324, I2327, I2382, I2383, I2388, I2394, I24I7, I242I, I2445, I2482, I2483, I2647, I2653, I267I, I2679, I27I0, I28II, I2813, I28I5, I2875, I2906, I2932, I2940, I3009, I30I0, I30I4, I3035, I3I27, I3I45, I3I77, I3I78, I3202, I3245-I3247, I3249, I3250, I3267, I327I-I3273, I3287, I339I, I3428, I3434, I3439, I3442, I3452, I3453, I3455, I35I9, I3537, I3544, I3562, I3583, I3600, I3640, I3657, I3666, I3699, I3705, I37I5, I3736, I3747
acuta Korsch. 7627, IIII7
adriatica Schill. 8763
akimovii Vaul. I3666
angulosa Dill 99II, 99I2, II720, I30I4, I3026, I3747
anuraeae Korsch. 9492
asymmetrica Korsch. IIII7
atactogama Korsch. 7I95, 7376, 7749, 8825, I0405, I07I5, I0968, II479, I2I22, I2I95, I2877, I3520, I3747
attenuata (Korsch.) Pasch. I0646
aulata Pasch. I0968, I3537
braunii Gorosch. I0I3I, I0968, I3594-I3595, I3689
brevicauda Anach. 787I
chlamydogama I0935
cingulata Pasch. 8038, I0080, I327I
clathrata (Korsch.) Pasch. I0080, IIII2, IIII3, I2I95, I28II
conferta Korsch. 7626, 7628, 7676, 7678, 8778(o), II479, I2I95, I3008, I30I4, I327I
cor Schill. 9220
costata Korsch. IIII7
crassicauda Korsch. 7376
debaryana Gorosch. I0080, I0968, II930, I2776, I2784
depauperata Pasch. 7969, I02II, II537
ehrenbergii Gorosch. 787I, 800I, 8038, 8266, 99II, 99I2, I0967, I0968, II720, I2I22, I2776, I2784, I35I9
elliptica Korsch. 7225, 7376, 8778(o), 8825, I0327-I0329, I07I5, II03I, IIII7, I2638, I2680, I3453, I3505
eugametos Moew. 8570, 858I, I0403-I0407, I0838, I0935*, I2707
euglenaeformis Schill. 8763
gelatinosa Korsch. 72I5, 7373, 7749, 7754, 8778(o), 8825, I07I5, I2876, I2878, I3453
girus Pasch. I2239
globosa Snow 7257, 7376, 7520, I07I5, IIII7, III8I, II356, II358, II359, II364, II493, II53I, II720, I2327, I2638, I28I0, I2877, I2889, I3008, I30I4, I3373, I3505
gloeocystiformis Dill 787I, II930, II935
gloeogama Korsch. 7373, 7376, 7754, 8825, I0327, I07I5, IIII7, III35, I3453
- f. gloeogama 7377, I2449
- f. humicola Hollerb. 7225, 7376, 7377, 7749, 7752, 8570, I2I95, I2449
goroschankinii Chmiel. 8778(o)
gyrus Pasch. 8326, 8458, 8570, 858I, 93I4, I0670, II83I
ignava Korsch. 8778(o)
incerta Pasch. 87I7, 9687, 9882, I2I2I, I2I22, I2324
intermedia Chod. 7373, 7376, 7749, I0066, I0068, II7I9, II720, I2809, I3666
isogama Korsch. I2638
korschikowii Pasch. I327I
macroplastida Lund IIII2, IIII3, IIII7
macropyrenoidosa Skuja 7805, 99II, 99I2
magnusii Reincke I3645

marina Cohn I27I0
media Klebs I0044, I3I48
microscopica G.S.West I07I5, I28I0
minima Korsch. 7373, 7749, 7969, 9II2, 9220, I0204, I0205, I02I0, I02II, I02I4, I07I5, I0840, I084I, I0968, II605-II607, I259I, I2875, I2877, I3005
minutissima Korsch. I0967, I0968, I2878
mirabilis (Korsch.) Pasch. 9242, 9292, I2449
moewusii Gerloff 858I, I0378, I0935*
- var. major Lund IIII7, I2449
monadina Stein 72I5, 7226, 8800, 880I, 8804, 9292, 9580, 99II, 99I2, I0077, I0080, I0646, II904, I2I22, I327I, I3373, I35I7(o)
- var. cingulata (Pasch.) Korsch. I0046, I0646
- var. globulifera Korsch. I0646
nana Schill. 8763
neglecta Korsch. 9687
nivalis Wille I326I, I3652(p)
noctigama Korsch. I2327
oblonga Anach. 7225, 8825, IIII2, IIII3, IIII7, I28I0, I2878, I3526
oblongella Lund 7225, 7749, 8825, IIII2, IIII3, IIII7, II720, I2I95, I28I0, I3666
obtusata Korsch. IIII2, IIII3
paradoxa (Korsch.) Pasch. I0968, I2449, I2637, I327I
pertusa Chod. 8554, 9292, 96I7, IIII7, II720, I2324, I2327
pertyi Gorosch. I327I, I3272
peterfii Gerloff 7376
piriformis Schill. 8763, 9220
platystigma (Korsch.) Pasch. IIII7
pluristigma Brist. 9759
polychloris Korsch. 8274, IIII7
pulvisculus Ehr. 9220
regularis Korsch. 958I, 96I7
reihardii Dang. 7I82, 7257, 7376, 7964, 8038, 8289, 8570, 858I, 86I3, 87I5, 87I7, 8778(o), 8788, 89II, 89I6, 89I8, 89I9, 8924, 8927, 8930, 90I0, 9279, 958I, 96I7, 9687, 9882, 99II, 99I2, I0008, I0080, I0I44, I0I97, I0644, I0935*, I0968, IIII7, II469, II607, II720, II866, II904, I2324, I2327, I2368(p), I2928, I3005, I3373, I3453, I3536, I3538, I3666
reticulata Gorosch. 9242, I0080, II904
rubrifila Korsch. 8778(o)
salina 96I7
scherffelii Korsch. 8825, I0066, I2I95
sectilis Korsch. IIII2, IIII3, I3453
snowiae Printz IIII2, IIII3, II720, II878, I2I95, I2680, I3666
- var. palmelloides Lund IIII2, IIII3, IIII7
speciosa Korsch. IIII7
sphagnicola Fritsch et Takeda II479, II483, I2327, I35I7
steinii Gerosch. 96I7, I0963, IIII7, II720, II878, I35I7
striata Korsch. 96I7
triangularis Schill. 8763
vulgaris Anach. IIII7
Chlorangiogloea Korsch.
consociata Korsch. 8700

Chlorangiopsis Korsch.
sp. sp. 9242
cylindrica (Jasnitsky) Korsch. 9749(o)
epizootica Korsch. 89I3, 8927, 980I, I0646, I2932, I2933, I2940, I3530
minor Korsch. I3530
piriformis Korsch. I0646
- var. asymmetrica Korsch. 9433-9434
- var. piriformis 7465
systylis Korsch. 8700, III28
Chlorangium Stein
stentorinum (Ehr.) Stein 9749(o), I27I0
Chlorella Beijer.
sp. sp. 7042, 7066-7069, 7080, 7I05, 7II3, 7II9, 7I2I, 7I23, 7I24, 7I26, 7I56, 7I69, 7I78-7I80, 7225, 7236-7239, 7276, 7288-7290, 7299, 7305, 7322, 7324, 7333, 7334, 7356, 7358, 7370, 7372, 7390, 7404, 7407, 7409, 7438(p), 7450, 745I, 754I, 7544, 7545, 7550, 755I, 7563, 7565, 7567, 7570, 7572, 7585, 7586, 7595, 7623, 7625, 7627, 7628, 7666, 7676, 77I7, 7720-7724, 7727, 7772, 7773, 7793, 7797, 7808, 78II, 78I2, 78I8, 7847, 7853, 7855, 7858-7860, 7867, 7898, 7977, 8004, 8006-80I2, 80I5, 80I6, 80I9-802I, 8079, 8097, 8098, 8I4I, 8I65, 8I68, 8I74, 8204, 82I4, 8225, 8226, 823I, 8252, 8255, 8256, 8268, 8269, 8294, 8337, 8349, 839I, 8393, 8395, 8398, 8402, 84I6, 84I9, 843I, 8452(p), 8476, 8487, 8488, 8496, 85I2, 85I3, 8535-8537, 8563, 8566, 8569, 8570, 8573, 8576, 858I, 8582, 8584, 86I2, 8623, 8624, 8630, 8633, 8634, 8647, 8702, 8703, 872I, 8722, 8740, 8741, 8786, 8787, 8789, 8790, 8803, 88I6, 8828, 8860, 8868, 8935-8937, 8939, 8962, 9039, 904I, 9043-9045, 9062, 9068, 9069, 907I, 908I, 9094, 9I0I, 9I02, 9I93, 9I97, 9206, 9209, 9235, 9238, 9240, 924I, 9246-9248, 9268-9270, 9272, 9273, 9280, 9284, 9286, 9289, 9294, 9307, 93I7, 9322-9328, 933I, 9335, 9343-9345, 9343-9345, 9349, 9355, 9380, 9382, 9383, 939I, 9392, 9433-9434, 9455, 9480, 9494, 95I5-95I6, 95I8-9520, 9523, 9525, 9547-9550, 9584, 9586-9592, 9597, 9633-9636, 9643, 9648, 9657, 9658, 973I, 9752, 980I, 9806, 9844, 9846-9849, 9857, 9858, 9888, 9926, 9940, 9963, 9980-9983, 9985, 9986, I0008, I0070, I0072, I0073, I0096-I0098, I0I03, I0I54, I0I92, I023I, I0297, I03I3, I0327, I0329, I0342-I0344, I0346, I0347, I0349, I0350, I0354, I0398-I0400, I0420, I0445, I0446, I0487, I0523, I0526, I06I6, I0656, I0668, I069I, I0692, I0694, I0695, I0697, I0698, I0700, I070I, I0706, I0708, I0729, I0738-I0740, I0760, I0820, I0839-I0844, I085I, I0853, I0855, I0867, I0868, I0896, I09I0, I09II, I09I5, I09I8, I0932, I0936, I0957, I0992, I0I08, I1044, I1046, I1048, I1050, I1061, I1062, I1065, I1066, I1069, I1102, I1104, I1105, I1110, I1111, I1135, I1143, I1145, I1146, I1149, I1159, I1166, I1173, I1179, I1198, I1203, I1208, I122I, I1245, I1246, I1249, I1250, I1265, I1268, I128I, I1287-I1289, I1293, I1294, I1296, I1305, I1329, I133I, I1335, I1341, I1342, I1373, I1374, I1492, I1496, I1497, I1501, I1503, I1504, I1506, I1508, I1522, I1524, I1565, I1583, I1593, I1605-I1607, I1633, I1636, I1662, I1720, I1724, I1725,

II727, II763, II766-II768, II770, II771, II785, II829,
II859, II860, II866, II881, II884, II900, II901, II913,
II928, II921, II943, II948, II952, II956, II969, II986,
I2026, I2031, I2033, I2060, I2067, I2071, I2082-I2086,
I2126, I2128, I2156, I2191, I2197, I2203, I2208, I2210,
I2262, I2263, I2265, I2266, I2346, I2355, I2366, I2370-
I2373, I2375, I2407, I2438, I2439, I2443, I2446, I2469-
I2473, I2484, I2496, I2504, I2508, I2511, I2525, I2539,
I2544, I2557, I2582, I2612, I2634, I2673, I2679, I2682-
I2686, I2691, I2692, I2711, I2713-I2716, I2718, I2719,
I2771, I2785, I2805, I2821-I2823, I2829-I2831, I2833, I2842,
I2843, I2845, I2846, I2853, I2881, I2882, I2885, I2887,
I2913-I2915, I2975, I2983, I2989, I2991, I2994, I2995,
I3016, I3020-I3022, I3067, I3109, I3110, I3112, I3113,
I3138-I3140, I3172, I3184, I3185, I3242, I3253, I3255,
I3271, I3325, I3327, I3331, I3336, I3345, I3346, I3430,
I3442, I3455, I3461, I3480, I3487, I3493, I3494, I3498,
I3537, I3542, I3546, I3577, I3601, I3640, I3684, I3701,
I3704, I3705, I3715, I3717, I3736
acuminata Gern. I0968
conglomerata (Artari) Oltm. 9801, I3666
cylindrica 7066, 7067, 7780, 8570, 8577
ellipsoidea Gern. 7066-7070, 7076, 7194, 7195, 7229-7231, 7234,
7235, 7301, 7589, 7780, 7816, 7817, 7969, 8008, 8290, 8294,
8498, 8570, 8574, 8577(o,p), 8581, 9314, 9514, 9581, 9617,
9666, 9695, 9730, 9801, 9983, I0211, I0262, I0378, I0550,
I0553, I0670, I0782, I0968-I0970, I0993, I1050, I1164,
I1208, I1492, I1514, I1515, I1525, I1537, I1720, I1905,
I1913, I1914, I1917, I2053, I2055, I2276, I2449, I2470,
I2471, I2483, I2813, I2875-I2877, I3009, I3010, I3012,
I3014, I3256, I3324, I3328, I3439, I3517(o), I3533, I3657,
I3660(p), I3666
- f. minor Hollerb. 7749, 7754, I0644, I0715
elliptica Gern. I2638
faginea (Gern.) Wille 7589, I2483
fusca Shihira et Krauss 7194
- var. fusca 7194
- var. vacuolata Shihira et Krauss 7194
homosphaera Skuja 7194
kessleri Pott et Nováková 7194
lobophora V.Andr. 7194
luteoviridis Chod. 7067, 7069, 7070, 7073, 7074, 7193, 7194,
7780, 8570, 8574, 8577(o,p), 8581, I0553, I0554
- var. aureoviridis C.Meyer 8570, 8577(o)
- var. lutescens Chod. 7071-7073, 7725, 8570, 8577(o)
miniata (Näg.) Oltm. 7067, 7070, 7676, 8570, I0968, I3108
minima (Näg.) Oltm. 7069, 8577(o)
mirabilis V.Andr. 7194
mucosa Korsch. 8904, I0042, I0046, I0048, I1076, I1537, I1933,
I2175, I2933, I3009, I3010
ovalis Butch. 7067-7070, 7780, 8570, 8577, 8581, I0550, I0553
paramecii Loefer 8570
protothecoides Krüger 7067, 7069, 7070, 7194, 8570, 8574,
8577(o), 8588, I0553, I0968, I1913, I3108

- f. parva V.Andr. 7194
- f. protothecoides 7194
pyrenoidosa Chick 7066-7070, 7073, 7120, 7122, 7195, 7260-7262,
7264-7266, 7300, 7301, 7405, 7410, 7503-7505, 7525-7528,
7555, 7556, 7558, 7559, 7562, 7564, 7571, 7572, 7589, 7594,
7704, 7724, 7730, 7745, 7749, 7780, 7782, 7785, 7795, 7814,
7836-7840, 7851, 7852, 7855, 7856, 7879, 7965, 7978, 8002-
8006, 8011, 8012, 8015, 8022, 8024, 8074, 8142, 8222-8224,
8227, 8233, 8290, 8294, 8339-8345, 8348, 8392, 8555, 8569-
8572, 8574, 8577(o,p), 8578, 8580, 8581, 8587-8589, 8704-
8706, 8775, 8818, 8843, 9036-9039, 9060, 9072, 9076, 9077,
9176, 9177, 9316, 9318, 9321, 9339, 9376, 9470, 9481, 9522,
9527, 9581, 9583, 9585, 9591-9595, 9617, 9726, 9736, 9886,
9887, 9890, 9899, 9900, 9913, 9949, 9970, 9983, 9984, I0094,
I0095, I0118, I0121, I0122, I0125, I0163-I0165, I0237,
I0257, I0260, I0263, I0318, I0319, I0401, I0405, I0514,
I0522-I0525, I0527, I0535, I0536, I0550, I0553, I0557-
I0559, I0561, I0562, I0609-I0615, I0624, I0668, I0669,
I0693, I0696, I0753-I0755, I0761, I0762, I0776-I0784, I0849,
I0921, I0922, I0938, I0953, I0954, I0958, I0961, I0963,
I0968, I0969, I0972, I0991, I1016, I1017, I1045, I1050,
I1053, I1054, I1063, I1099, I1106, I1148, I1156, I1172,
I1174, I1177, I1181, I1208, I1248, I1252, I1254, I1273,
I1294-I1296, I1300, I1469, I1492, I1495, I1496, I1499,
I1502, I1505, I1506, I1513-I1515, I1518, I1519, I1521,
I1523, I1525, I1537, I1554, I1556, I1567, I1568, I1720,
I1775, I1837, I1847, I1852, I1891, I1894, I1897, I1903,
I1905, I1911, I1913, I1914, I1917, I1919, I1920, I1981,
I1985, I1991, I2025, I2116-I2120, I2195, I2203, I2205-
I2207, I2316, I2403, I2413, I2434, I2453-I2458, I2460,
I2465, I2466, I2469-I2471, I2473, I2509, I2510, I2569,
I2617, I2620, I2633, I2635, I2636, I2638, I2679, I2681,
I2685, I2759, I2764, I2771, I2773-I2776, I2786, I2798,
I2806, I2810, I2828, I2831, I2834-I2841, I2844, I2847,
I2875, I2877, I2883, I2884, I2886, I2889, I2989, I3067,
I3108, I3111, I3112, I3134, I3136, I3137, I3204, I3238-
I3240, I3315-I3318, I3389, I3463, I3476, I3485, I3490-
I3492, I3517(o), I3519, I3533, I3582, I3660, I3680, I3684
saccharophila (Krüger) Mig. 7066, 7067, 7070, 7193, 7194,
8570, 8577(o), 8581, I1913
simplex (Artari) Mig. I0963, I0968
stigmatophora Butch. 8570
terricola Hollerb. 7225, 7231, 7373, 7376, 7377, 7589, 7599,
7626, 7676, 7678, 7749, 7750, 7753-7755, 7782, 7783, 7785,
8024, 8388-8390, 8394, 8396, 8401, 8570, 8705, 8706, 9666,
9752, I0066, I0068, I0185, I0190, I0260, I0262, I0263, I0443,
I0444, I0447, I0658, I0715, I0782, I0968, I0969, I1099,
I1112, I1113, I1117, I1135, I1136, I1479, I1483, I1720,
I1794, I1878, I1985, I2195, I2248, I2249, I2251, I2449,
I2483, I2671, I2679, I2698, I2811, I2875, I3112, I3427,
I3428, I3439, I3452, I3453, I3459, I3536, I3666, I3713,
I3721
variegata Beijer. 7067, 7069, 7070, 8570, 8577(o), I3108
vulgaris Beijer. 7044, 7045, 7059, 7066-7070, 7076, 7095, 7103,

7I27, 7I74, 7I92-7I95, 72I9, 7225, 7229-7235, 7272, 7273, 730I, 7303, 7368, 7371, 7373, 7376-7378, 7405, 74II, 7452, 7454, 7459, 7460, 7477, 7520, 7539, 7554, 7556, 7566, 7568-7570, 7572, 7589, 7593, 7620, 7626, 7676, 7678, 7732, 774I, 7749, 7752-7755, 7780-7782, 7798, 7800, 780I, 7809, 78I0, 78I5-78I7, 7875, 7879, 788I, 7969, 800I, 80I7, 8024, 8027, 8028, 8038, 8075, 8076, 8078, 8I66, 8I78, 82I0, 8228, 8250, 825I, 8266, 8290(p), 8294, 8295, 8324, 8326, 8328, 8335, 8348, 8392, 8397, 8399, 8400, 8498, 8506-8508, 8534, 8570, 857I, 8574, 8577(o,p), 8580, 858I, 8583, 8585, 8587, 8588, 86I3-86I5, 863I, 8644, 8664, 8684, 870I, 8704, 8742, 8778(o), 8788, 880I, 8802, 8805, 88I7, 8825, 8834, 8868, 8892, 8904, 8906, 89I0, 89I6, 8965-8967, 90I0, 90II, 90I8(o), 90I9, 9067, 9095, 9096, 9098-9I00, 9220, 9265, 9267, 9273, 9278, 9279, 9289, 9293, 9295, 9296, 93I5, 93I9, 9320, 9324, 9325, 9329, 9332, 9348, 9367, 9376, 9427, 9470, 9490, 9499, 95I3, 95I4, 952I, 9524, 9526, 955I, 9552, 9554, 9555, 958I, 9592, 96I7, 9630-9632, 964I, 9670, 9687, 9737, 9738, 9752, 9797, 980I, 9850, 9852-9854, 9856, 9885, 9886, 99II-99I3, 9929, 9930, 9944, 9957, 9958, I0008, I00I9, I002I, I0048, I0069, I0077, I0080, I0082, I0I28, I0I3I-I0I33, I0I48, I0I85, I0I86, I0I90, I02II, I02I8, I0220, I0238, I0257, I0259, I026I, I0262, I0264, I0266, I0267, I0296, I0298, I0300-I0304, I032.-I0329, I0345, I0442, I0448, I05I4, I05I8-I0525, I0527, I0528, I0535, I0536, I0548, I0550, I055I, I0554, I0557, I0558, I0560-I0562, I0624, I0667-I0669, I07I5, I0739, I0782(p), I0783, I0784, I079I-I0797, I0844, I0876, I0906, I09I9, I0956, I096I, I0963-I0965, I0967, I0968, I0969(o), I0970, I0972, I0975, I0984, I0987-I0989, I0993, I0997, II0I7, II03I, II050, IIII2, IIII3, IIII7, III35, III36, III48, III64, III7I, III72, III74, III78, III8I, II204, II208, II233, II243, II247, II254, II264, II272, II275, II307, II308, II337-II340, II352-II354, II357, II358, II376, II470, II472, II474, II476, II483, II495, II496, II498, II499, II506, II507, II509-II5I2, II525, II526, II537, II562-II564, II59I, II633, II637, II650, II655, II66I, II663(p), II692, II720, II76I, II769, II786, II795, II828, II83I, II832, II875, II885, II888, II89I, II897, II905, II9II-I9I5, II9I7, II9I9, II920, II930, II933, II935, II94I, II942, II949-II95I, II953-II955, II966, II988-II990, I2032, I2052, I2053, I2055, I2059, I2068, I2069, I2087-I2089, I2I9I, I2I95, I2206, I2248, I2250, I2266, I2297, I2327, I2346, I2367, I2386, I2427, I2449, I2460, I2465, I2469-I247I, I2473, I2482, I2483, I2496-I2499, I2500(p), I252I, I2549, I2550, I2556, I2558, I2583, I2627, I2628, I2638, I2647, I2653, I267I, I2677, I2679, I270I, I2702, I2705, I27I0, I276I, I2762, I2776, I2784, I2798, I2809-I28II, I2824, I2849-I2852, I2854, I2855, I2862, I2863, I2875, I2877, I2878, I29II, I2932, I2933, I2938, I2967, I2983, I2989, I3009, I30I0, I30I2-I30I4, I3026, I3079-I3081, I3085, I3I03-I3I08, I3III, I3II2, I3I38, I3I47, I3I9I-I3I94, I3243, I3249, I3254, I3256, I3292, I3293, I3305(p), I3324, I3326, I3328-I3330, I3332, I3333, I3378, I3396, I3426-I3428, I3439, I3446, I3452, I3453, I3480,

I348I, I3483-I3486, I3505, I35I7(o), I35I9, I3533, I3536, I3538, I3544, I3558, I3559, I3569, I3573, I3577, I3588, I3642, I3657, I3660(p), I3666, I37I3, I372I

- f. globosa V.Andr. 7I94
- f. minuscula V.Andr. 7I94
- f. suboblonga V.Andr. 7I94
- var. viridis Chod. 7298, 730I, 8004, 8008, 8570, 8577, 858I, I2465, I2509
- f. vulgaris 7I94

xanthella Beijer. 7067, 7069, 7070, 8570, 8577(o), 858I, I3I08
zofingiensis Dönz 7067, 7069, 7070, 7780, 8570, 8577(o), 858I, I3I08

Chlorellidium Visch.
tetrabotrys Visch. et Pasch. I2I95

Chloridella Pasch.
sp. sp. 8573, 8584, II897
cystiformis Pasch. IIII7
neglecta (Pasch. et Geitl.) Pasch. 8570, 858I, 8926, I0325, I0327, I0553, I0967, I0968, IIII2, IIII3, I2I95, I2449, I3439, I3453
simplex Pasch. I0967, I0968, I2449

Chlorobotrys Bohl.
neglecta (Pasch.) Geitl. I2809
polychloris Pasch. II720, I3439

Chlorochytrium Cohn
sp. sp. II43I
dermatocolax Reinke 7942(o), I27I0
inclusum Kjellm. 8054, 8060, 8070, 9I54, II378
lemnae Cohn 8266, 9296
pallidum Klebs 8266
paradoxum (Klebs) G.S.West 7373, 7376, 7377, I0658, IIII7, II720, I2I95, I2449, I3439, I3453, I3666

Chlorocloster Pasch.
sp. sp. 8584
pachychlamys Pasch. 8570, 858I
raphidioides Pasch. 7373
simplex Pasch. I2449
terrestris Pasch. I2449

Chlorococcum Menegh.
sp. sp. 7080, 7I56, 7375, 7378, 7390, 7732, 8006, 8487, 8569, 8570, 8576, 8584, 8634, 8905, 9453, 9492, I0I04, I0550, I0553, I0646, I0876, I09I5, I0920, I0972, II265, II888, I2I97, I2544, I26I7, I267I, I28I9, I2830, I2833, I3008-I30I0, I30I2-I30I4, I3055, I3452, I3536
botryoides Rabenh. 7080, 7297, 7620, 8777, 9580, 96I7, 997I, I0822, I0963, I0967, I0968, II720, I2637, I2638, I276I, I2762, I3373, I35I7(o), I3522, I3568-I3570, I3572, I3673, I3666
dissectum Korsch. 880I, I0II3, I2498, I30I3
echinozygotum Starr 7I95, 858I
ellipsoideum Gern. IIII7
grumosum P.Richt. I0968
humicola (Näg.) Rabenh. 7225, 7373, 7376, 7377, 7380, 7389, 739I, 7436, 7672, 7673, 7676, 7678, 7749, 7750, 7752-7755,

8266, 8570, 8581, 8825, 9801, I0068, I0069, I0327-I0329, I0624, I0658, I0715, I0964, I0965, I0967, I0968, I0970, I0975, I1031, I1112, I1113, I1117, I1135, I1136, I1479, I1483, I1552-I1554, I1556, I1719, I1720, I1878, I2194, I2195, I2449, I2574, I2638, I2647, I2653, I2809, I2812, I2813, I2875-I2877, I3243, I3434, I3439, I3453, I3519, I3544, I3594-I3595, I3657, I3666
infusionum (Schrank) Meneg. 7589, 7676, 7678, 8825, 9019, 9580, 9617, 9618, 9695, I0129, I0644, I0715, I0967, I0968, I0970, I1076, I1112, I1113, I1117, I1264, I1720, I1878, I2124, I2195, I2201(o), I2449, I2482, I2483, I2650, I2679, I2776, I2784, I2809-I2811, I2875-I2877, I3373, I3439, I3511, I3517(o), I3666
intermedium Bold 8570, I1337-I1339
olivaceum Rabenh. I0968
vacuolatum Starr 8570
wimmeri Rabenh. 8570, 8581, I0624, I2195
Chlorogloea Wille
sp. sp. 8294, I3518
microcystoides Geitl. I0026, I0218, I0220, I2090, I2092, I3009, I3010, I3482, I3522
- f. pallida Skuja I0026
sarcinoides (Elenk.) Troitzk. 8035, I3750
Chlorogonium Ehr.
sp. sp. 7082, 8038, I2327
acus Matv. 7805, 8778(o), I2909
elegans Playf. 9801, I2909
elongatum Dang. 7627, 9801, I0080, I2122, I3274
euchlorum Ehr. 9801, I0080, I2776, I2784
fusiforme Matv. 9296
gracile Matv. I2909
leiostracum Streh. I2327
maximum Skuja I2909
peterhofiense I.Kiss. I2909
popovae Ustjuzhan. I2909(o,p), I2910
spirale Scherf. et Pasch. I3274
Chloromonas Gobi
sp. sp. 7501
adriatica Schill. 8763
cuneata Schill. 8763, 9215, 9220, 9223
sphaera Schill. 8763, 9220
tenera Schill. 9220
Chloropedia Pasch.
incrustans Pasch. I2195, I3009, I3010
plana Pasch. I1135, I2195
Chlorophysema Pasch.
adnatum Korsch. I0008
sessile Anach. I0008, I2932
Chloroplana Hollerb.
terricola Hollerb. I1117, I2449, I2809, I3009, I3010, I3013, I3439, I3453
Chlorosarcina Gern.
sp. sp. 9956, I1337, I1339, I1340, I2192, I2833, I3439
angulosa (Corda) Klebs I1117

elegans Gern. I1720
minor Gern. 8777, I0968, I1117, I1720, I2194, I2195, I3666
parvula Lemm. I0968
Chlorosarcinopsis Herndon
sp. sp. 8584
Chlorosphaera Klebs
sp. sp. 7438(p)
angulosa (Corda) Klebs 7676, 7678, 8038, 9580, I0218, I0220, I1720, I3453, I3666
consociata Klebs 9617
Chodatella Lemm.
sp. sp. 9959
amphitricha (Lagerh.) Lemm. 9018(o), 9959
breviseta W. et G.S.West I0220
brevispina Fritsch I0218
ciliata (Lagerh.) Lemm. I0218, I3594-I3595, I3689, I3736
citriformis Snow I0218
droescheri Lemm. I3645
longiseta Lemm. I3542, I3689
quadriseta Lemm. I1864, I3689, I3736
subsalsa Lemm. 9959, I3689
Chodatellopsis Korsch.
elliptica Korsch. I0646, I1673
Chondria Ag.
sp. sp. 8056, 8532, 9407
atropurpurea Harv. I3633
dasyphylla (Wood.) Ag. 7636, 8054, 8899, 8901, 9420, I2607
decipiens Kylin I1384
expansa Okam. 8056
tenuissima (Good. et Wood.) Ag. 8899, 8901, 9418, 9420, I0929, I1408, I1409(o), I1410-I1412, I1415-I1417, I1420, I1423, I1571, I1573, I1576, I2140, I3313
Chondrus Stackh.
sp. sp. 7688, 8051, 8059, I0110, I0409, I1385
affinis (Harv.) Kylin 8054
armatus (Harv.) Okam. 8054, I0483, I2604, I2607
crispus (L.) Stackh. 7118(p), 7161, 7259, 7422, 7606, 7612-7614, 7942, 8060, 8070, 8073, 8278, 9124, 9175, 9406, 9722, I0110, I1605-I1607, I3402, I3686(p)
- f. abbreviatus Kjellm. 8278
- f. aequalis (Turn.) Lyngb. 8278
- f. filiformis Turn. 8278
- f. typicus (Lyngb.) Kylin 8278
elatus Holm. I2607
pinnulatus (Harv.) Okam. 8051, 8054, 8058, 8591, 9124, I0483, I1384, I2604, I2606-I2609
- f. armatus (Harv.) Yamada et Mikami 7636, I3633
platynus (Ag.) J.Ag. 9158
yendoi Yamada et Mikami 7612, 7636, 8070, I0483, I1383(o), I1384, I3633
Chorda Stackh.
sp. sp. 8275, I0409, I3688
filum (L.) Stackh. 7118, 7577, 7601, 7604, 7606, 7608, 7613, 7636, 7766, 7768, 7942, 8054, 8056, 8064, 8073, 8279, 8550,

855I, 8590, 859I, 9026, 9I24, 9I79, 9406, 954I, I0II0, I0437, II379, II384, II78I, I2604, I2607-I2609, I3029, I3633, I3634, I3645, I3687
tomentosa Lyngb. 7577, 760I, 8064, 8279, 8550, 9I24, 9406, II78I, II783
Chordaria Ag.
sp. sp. 8063, 8275, 9026
flagelliformis (O.F.Müll.) Ag. 7II8, 7I6I, 7433, 7577, 7606, 76II-76I3, 7942, 8054, 8060, 8064, 8070, 8073, 8279, 8550, 9I2I, 9I24, 9406, I0II0, II378, II379, I2607, I2907, I3633, I3708
- f. chordaeformis Kjellm. 760I
- f. firma Kjellm. 760I
- f. typica Kjellm. 760I
gracilis Setch. et Gardn. 807I(o), 8073
magellanica Kylin 7636, 805I, 8054, 8058, 8070, 8073, 859I, 8592, II20I, II384, I2604, I2607, I2608, I2664, I3029
Choreocolax Reinsch
polysiphoniae Reinsch 9406
Chovanella Reitl. et Jarc.
kovalevii Reitl. et Jarc. II722
samoilovae Reitl. et Jarc. I0585(p)
Chromochloris Kol et F.Chod.
cinnabarina Kol et F.Chod. 858I
Chromulina Cienk.
sp. sp. 8038, 89I4, 980I, II537, II866, I2347, I2933
commutata Pasch. 8778(o)
freiburgensis Dofl. III84
globosa Pasch. 8778(o)
ovalis Klebs 8555, 8556, I0066, II830, I2I22
pseudonebulosa Pasch. 800I
rosanoffii Bütsch. I02I8, I0220, III83, III84, I3008, I30I0
truncata Conr. 9882
woroniniana Fisch I0080
Chroococcus Näg.
sp. sp. 83I8, 8487, 9337, I0896, II550, I2892, I3498, I3736
limneticus Lemm. 9499
minutus (Kütz.) Näg. 830I, I3208
turgidus (Kütz.) Näg. 830I, 9I24
Chroomonas Hansg.
sp. sp. II537
acuta Uterm. 7647, 7969, 9686, 9687, I02II, II537
nordstedtii Hansg. I0080
pulex Pasch. I3522
Chrysamoeba Klebs
planctonica Pasch. 980I
radians Klebs 980I
Chrysapsis Pasch.
fenestrata Pasch. 8777, I2I2I, I2I22
Chrysochromulina Lack.
pontica Rouch. I2002(o,p), I20I4
Chrysococcus Klebs
sp. sp. I0008, II670, II793, II866, I358I
antarcticus 7438
biporus Skuja 87I4(o), 9882, I0008

cystophorus Skuja 9882
heverlensis Conr. 9882
rufescens Klebs 800I, 90I0, 9687, I0I3I-I0I33
- var. rufescens I0008
triporus Matv. 9749(o)
Chrysopyxis Stein
sp. sp. II88I
Chrysosphaerella Laut.
sp. sp. 9670
longispina Laut. 8308, 83I3, II866, I2I75
splendida Korsch. 9932
Chrysothallus C.Meyer
baicalensis C.Meyer 9670, II688, I2329
Chrysymenia J.Ag.
wrightii (Harv.) Yamada 7636, II384, I3633
Chylocladia Grev.
clavellosa (Turn.) Grev. I0929, I2I40, I3750
pygmaea (Funk) Kylin II409(o), II4I2
squarrosa (Kütz.) Le Jolis 9I62(o)
verticillata (Lightf.) Blid. 805I, 8054
Chytridiochloris (Pasch.) Jane
acus Ettl 8825, III85
scherffelii (Pasch.) Ettl III82-III85
Cirrifera Cook. et Eis.
unilateralis Cook. et Eis. 8048-8049(o,p)
Cirrulicarpus Tokida et Masaki
gmelinii (Grun.) Tokida et Masaki 76I6(o), 8060, 8070, 807I(o)
Citharistes Stein
apsteinii Schütt I2223
regius Stein I2223
Cladiscothallus Renault
sp. sp. 8329
keppenii Renault 9823
Cladochaete C. Meyer et Skabitsch.
litoralis (Skabitsch.) C.Meyer et Skabitsch. I0688, II688
microscopica (C.Meyer) C.Meyer et Skabitsch. 7548, 9262, I0688, II688, I2326(o,p)
pumila (C.Meyer) C.Meyer et Skabitsch. I0688, II688
Cladodonta Skottsb.
lyallii (Hook. et Harv.) Skottsb. 9I6I
Cladogramma Ehr.
dubium Lohm. 972I
ellipticum Lohm. I3363(o,p)
kolbei Belyaeva 7534(o,p), 7536
pacificum Kolbe I0976
Cladophora Kütz.
sp. sp. 7080, 7II7, 7I6I, 7I64, 7295, 7362, 7383, 7506, 7547, 7577, 76II, 7536, 7684, 7685, 77I0, 7744, 7834, 7847, 7848, 7907, 8036, 8056, 8220, 8239, 8300, 830I, 8325, 8372, 8373, 8426, 8452(p), 8527, 853I, 8590, 859I, 8725, 8808, 8837, 8860, 8863, 8875, 8878, 8893, 8902, 8904, 8907, 89I2, 89I8, 89I9, 8945, 9025, 9II8, 9I20, 9I23, 9I49, 9I5I, 9245, 9257, 9402, 9407, 942I, 9425, 9457, 954I, 9559, 9694, 9725, 9728, 9729, 9904, 99I6, 9945, I0039, I004I, I0044, I0I39, I0I45,

I0223, I024I, I0339, I04II, I04I8, I0555, I0729, I0798, I0853, I0877, I0929, I0930, II047, II077, II182, II2I0, II227, II237, II239, II3I0, II377(p), II384, II385, II398, II4I0, II4II, II580, II607, II625, II663(p), II688, II690, II733, II75I, II752, II88I, II959, I2073, I2094, I2I54, I2I75, I23I8, I2338, I235I, I2356, I2495, I2549, I2604, I2609, I2664, I2673, I2674, I275I, I2893, I2905, I29I7, I2937, I2988, I30I0, I30I5, I3029, I3043, I3046, I3068, I3I35, I3220, I3269, I3293, I33II-I33I3, I334I, I3350, I3374-I3376, I34I2, I3488, I35I9, I3523, I3576, I358I, I3599, I363I, I3635, I364I, I3657, I3673, I3688, I3699, I3704, I3720, I3727, I3736, I3747

albida (Huds.) Kütz. 8899, 890I, 94I8, 957I, I0563(o)

blidingiana Kylin 9420

crispata (Roth) Kütz. 8038*, 8899, 9406, 9884, I0080, II733, I2936, I2938, I2939, I2945, I3I97, I35II, I3679

- f. brachistelecha II733

cristallina (Roth) Kütz. 94I7, 9420, 942I, I3669, I3687

dalmatica Kütz. 94I7

flexuosa (Griff.) Harv. 9420, I35I2, I3633, I3634

floccosa C.Meyer 9670(o), II688, I2326(o,p), I2329(o,p)

- var. irregularis Skabitsch. I2329

fracta (O.P.Müll. ex Vahl) Kütz. 7079, 7I8I, 7I84, 7I86-7I89, 7296, 7353, 7354, 7507, 7560, 7588, 7704, 77I4, 7806, 7839, 7840, 7844, 7846, 786I, 7984, 7988, 7992, 800I, 8038, 8064, 807I(o), 8259, 8279, 83II, 83I2, 8323, 8324, 8326, 852I, 8745, 8778(o), 8809, 8809, 8859, 8899, 89I4, 9024, 9048, 905I, 9II8, 9I23, 9I24, 9237, 9257, 9298, 93I4, 9364, 9476, 9684, 9688, 9689, 9755, 9884, 9946-9948, I0062, I0080, I0087, I0I85, I0I86, I0I90, I02I8, I0220, I024I, I0242, I0246-I0248, I0546, I0548, I0549, I0644, I0646, I066I, I0670, I0905, I09I8, I0955, III2I, III80, III90(o), II229, II409, II45I, II533, II534, II607, II625, II733, II866, II939, I2054, I2343, I2420, I245I, I2550, I2637, I2680, I2744-I2747, I2926, I308L, I3085, I3I95, I3267, I3269, I3273, I35II, I35I4, I35I5, I35I7(o), I35I9, I3522, I3523, I3528, I3560-I3562, I3565, I3602, I3605, I3606, I3656, I3679, I3687, I3750

- var. fracta I2939

- var. lacustris (Kütz.) Brand 735I, 7989, 800I, I2939, I35I4

- f. marina Kütz. 760I, 8899, II409(o), II4I0, II4I2, II42I, II423, II572

- var. rivularis Brand 8890

glaucescens (Griff.) Harv. 7606, 8054, 9406, II378, I2064, I3669, I3687

glomerata (L.) Kütz. 7049, 7050, 7I6I, 7I64, 7I85, 7I86, 7222, 7275, 7296, 7345, 7383, 7508, 7588, 7606, 7639, 7776, 7984, 7986, 7988, 7989, 800I, 8038, 829I, 8306, 8308, 8309, 83II, 83I2, 8325, 8776, 8777, 8778(o), 8802, 8809(p), 8859, 8898, 8899, 8963, 9053, 9078, 9II8, 9I23, 9I24, 9202, 9203, 9237, 9242, 9289, 9292, 9445, 9463, 9476, 949I, 9580, 96I7, 9648, 9649, 965I, 9664, 9684, 9686, 9748(o), 9749(o), 9932, 9938, 9959, I0028, I0080, I0087, I0I26, I0I27, I0I50, I0I52, I0I86, I0I87, I0I90, I0I9I, I02I8, I0220, I0372, I0548,

I0549, I0877, I0905, I0955, I0956, I0975, II223, II229, II238, II274, II409, II533, II573, II576, II578, II583, II625, II733, II866, II933, I2054, I2095, I2I22, I2I39, I234I, I2369, I238I, I2383, I2393, I2522, I2645, I2646, I2652, I2680, I27I0, I2746-I2748, I3008, I30I3, I30I4, I3027, I3078, I3267, I3269, I33I3, I3490, I3500, I3503-I3507, I35II, I35I2, I35I4, I35I5, I35I7(o), I35I9, I3520, I3522, I3524-I3526, I3528-I3530, I3560-I3562, I3565, I3603-I3606, I3645, I3656, I3679

- f. flavescens 9I24

- var. glomerata III84, III85,

- f. marina Kütz. 8897, II408, II409(o), II4I0, II4I2, II4I5, II4I7, II420, II423, II573, I2I40, I33I3

gracilis (Griff.) Kütz. 8899, 9I24, II378, II409(o), II4I0, II4I2, I3047, I33I3, I3633

hirta Kütz. 8899

humilis C.Meyer 7547, 7548, II688, I2329

kuetzingiana Ardiss. II409(o), II4I0, II4I2

lacustris (Kütz.) Brand 8899

laetevirens (Dillw.) Kütz. 8898, 8899, 8902, 9056, 94I7, 94I8, I35I2, I3529

nitida Kütz. 8899, 9I24

oblitterata Söderström I35I2, I3529

opaca Sakai I3633

pygmaea Reinke I3645

refracta (Roth) Kütz. I3603, I3604

rudolphiana (Ag.) Harv. 942I

rupestris (L.) Kütz. 7I6I, 7275, 7449, 760I, 7606, 7608, 76II-76I3, 76I5, 7942, 8054, 8064, 8070, 807I(o), 8073, 8275, 8279, 8282, 9026, 9245(o), 9406, I0II0, I0222, II378, II379, I3633, I3687, I3708

sauteri (Nees) Kütz. 8302

- f. kurilensis (Nagai) Sakai I3672(o,p)

sericea (Huds.) Kütz. 7I6I, 890I, 9030(o), 903I, 9033(o,p), 9245(o), 94I8, I0222(o), II420, II42I, II423

- f. ruchingeri Kütz. 9245, 9406

siwaschensis C.Meyer 7I67, 9I24, 9989, II573, II576, II890, II977, I3750

stimpsonii Harv. 8054, 859I, I3633, I3672(o,p)

utriculosa Kütz. 7744, 7745, 8899, 9420, II409(o), II4I0, II4I2, II573, I3043, I33I3, I3687

vadorum (Aresch.) Kütz. 94I8

vagabunda (L.) Hoek 7282, 8864, 8898, 8899, 8902, 9030(o), 903I, 9033(o,p), I0563(o), II420, II42I, II423, I3I5I

Cladopyxis Stein

bacillifera Schill. 7956, 8763, I2I53, I2597

brachiolata Stein 9220, I2I53, I2223

setifera Lohm. 8763, I2223

Cladosiphon Kütz.

contortus (Thur.) Kylin II409(o), II4II, II4I2

Cladostephus Ag.

verticillatus (Lightf.) Ag. 7I6I, 7744, 7745, 8899, 890I, 9I24, 9I62(o), 94I8, 9420, 942I, 957I, I0058, I0929, II408, II409(o), II4I0-II4I2, II4I6, II4I7, II420, II423, I3043, I33I3

Clastidium Kirchn.
sp. sp. I3687
setigerum Kirchn. I0026, I0029
Clathrocystis Henfrey
sp. sp. 8318, 8945, I0106, I0324, I3730
Clathrolithus Defl.
minutus Braml. et Mart. I0430, I3474
Clathromorphum Foslie
compactum Kjellm. 8054
Clavaphysoporella Endo
sp. sp. 8681
caliciformis Herak et Koch. 9827, 9828, 9831
Clavator Reid et Groves
sp. sp. I025I, I2097-I2098, I3262
grovesii Harris I0924
reidii Groves I0585(p), I0924
Clavicula Pant.
polymorpha Grun. et Pant. 8365, 8370, 9720, 9721, II334, I3363
Climacodium Grun.
sp. sp. I2019, I2079
biconcavum Cl. 7061, 9124, 9965, I2222, I2228
frauenfeldianum Grun. 7061, 7063, 7536, 9137, 9138, 9141, 9143, 9221, 9965, 9995, I0015, I0016, I0017(o,p), I0092, I0888, I2153, I2223, I2278, I2594, I2596, I2598, I2599
Clinorhabdus Stover
eximius Stover I0427(p), I0433
turriseiffelii Defl. I0427(p), I0430, I0432-I0434
Closterium Ralfs
sp. sp. 7082, 7294, 7303, 7469, 7470, 7506, 7621, 7623, 7626, 7676, 7732, 7764, 7759, 8038, 8318, 8426, 8452(p), 8584, 8725, 8836, 8904, 8916, 8919, 9012, 9021, 9053, 9104, 9108, 9133, 9135, 9149, 9220, 9257, 9289, 9340, 9499, 9503, 9504, 9580, 9648, 9649, 9687, 9725, 9749, 9751, 9755, 9881, 9943, 9944, 9959, I0008, I0024, I0041, I0046, I0104, I0192, I0241, I0242, I0245, I0246, I0280, I0306, I0646, I0715, I0799, II073, II077, II101, IIIII, III35, III58, III84, III98, II210, II326, II550, II583, II671, II673, II690, II866, II881, II930, II931, I2073, I2095, I2175, I2236, I2318, I2320, I2327, I2333, I2336, I2344, I2346, I2350, I2408, I2428, I2505, I2577, I2578, I2580, I2612, I2673, I2710, I2905, I3010, I3013, I3055, I3249, I3269, I3271, I3272, I3274, I3294, I3497, I3528, I3581, I3583, I3593, I3679, I3689, I3730, I3736
abruptum West I2667(o)
- f. abruptum I0160
- f. angustissimum Schmidle I0160
- var. brevius W. et G.S.West I2667(o,p)
acerosum (Schrank) Ehr. 7297, 7469, 7992, 8038, 8300, 8301, 8303, 8778(o), 8800, 8859, 8914, 9024, 9085, 9289, 9292, 9297, 9446, 9478, 9492, 9501, 9568, 9674, 9749(o,p), 9801, 9881, 9922, 9938, 9959, I0077, I0080, I0082, I0148-I0150, I0152, I0158, I0244, I0644, I0646, I0975, III90(o), II292, II866, II881, I2323, I2327, I2331, I2333, I2479(o), I2550, I2657(o), I2776, I2784, I2932, I2933, I3012-I3014, I3059, I3061, I3177, I3178, I3271, I3272, I3488, I3526, I3747

- var. acerosum 9135, I0218, I0220, I2579
- - f. acerosum I2949
- - f. minus (Hantzsch) Kossinsk. I2942(o), I2949
- f. acerosum 9662(o), I0008, I0160
- var. angolense W. et G.S.West I0218, I0220, I2175(o)
- var. elongatum (Bréb.) Kossinsk. 9801, I0646, II866, I2324, I2327, I2579
- f. elongatum (Bréb.) Kossinsk. 9662(o), 9749(o,p), I0008, I0160, I3641, I3642
- var. granuloso-punctatum Elenk. 9801
- var. incolorato-punctatum Woronich. 9801
- var. minus Hantzsch 8038, 9748(o), I0220
- f. minus (Hantzsch) Kossinsk. 9289, 9662(o), II866
- var. rollianum Kossinsk. 9289
- var. subangustum Klebs I2327
aciculare T.West 7215, 7469, 9133, 9242, 9340, 9433-9434, 9643, 9694, I0080, I0082, I0158, I0218, I0220, I0866, I0959, I2323, I2579, I3061, I3504, I3591, I3594-I3595
- var. aciculare 7470, 9662(o), I0160, III28
- f. aciculare I0008
- var. subpronum W. et G.S.West 7462, 7469, 9662(o), I0160, I0959, I3642
acutum (Lyngb.) Bréb. 7215, 7227, 7469, 8001, 8916, 9018(o), 9020, 9024, 9257, 9478, 9801, I0113, I0646, I0866, II537, II673, II866, I2482, I3249
- var. acutum f. acutum I2942(o)
- var. ceratium (Perty) Krieg. I0160
- var. linea (Perty) W. et G.S.West 8926, 9801, I0160, II673, II866, I3246, I3249
- var. tenue Nordst. 9801
- f. tenue Nordst. 9438, I0113
- var. variabile (Lemm.) Krieg. 7462, 7469, 7470, 9801, II866, I2327, I3246, I3249, I3504, I3590, I3642
angustatum Kütz. I2667(o,p)
- var. angustatum I0160
- var. gracile Kossinsk. I0160
archerianum Cl. 9298, 9478, I2479(o), I2942(o)
attenuatum Ehr. 8001, 8778(o), 9749(o), I0160, I3352
baillyanum Bréb. 9446
- var. alpinum (Viret) Grönbl. 9446
- var. baillyanum I0160, I0309
- var. parvulum Grönbl. I0160
calosporum Wittr. 8001, I0160
- var. calosporum f. minus Wille I2942(o)
ceratium Perty 7227, 8001, 8098, 8926, 9801, II866, I2479(o)
cornu Ehr. 9018(o), 9024, 9749(o), I0160, I0218, I0220, I0644, II866, I2175, I2479(o), I2942(o), I3352
costatum Corda 9749(o,p), I0160, II930
cynthia De Not. I0160, I0646, I2667(o)
decorum Bréb. 9478, 9932, 9938, I2479(o)
dianae Ehr. 8001, 9088, 9298, 9446, 9662(o), 9748(o), 9932, II672, II673, I2175, I2667(o), I3504, I3517(o)
- var. arcuatum (Bréb.) Rabenh. I3249, I3517(o)
- var. compressum Klebs I0160
- var. dianae I0160, I3271

- f. intermedium (Hust.) Kossinsk. I3520
didymotocum Ralfs 8859, 9932, I0I49, I0I60, I0I62
ehrenbergii Menegh. 7249, 7507, 8300, 830I, 8303, 8306, 8308, 8700, 8778(o), 9249, 9289, 9292, 9749(o,p), 980I, 9932, I0026, I0027, I0029, I0074, I0077, I0080, I0082, I0I34(o,p), I0286, I0646, I0975, I0997, II292, II45I, II455, II866, II88I, I2327, I2479(o), I2906, I3653
- var. ehrenbergii I0I60
- var. malinvernianum (De Not.) Rabenh. 9749(o), I0I60, I3526
- var. michailowskoënse Elenk. I0644
- var. percrassum (Borge) Grönbl. I0I60
elegans Bréb. 800I
elongatum (Bréb.) Elenk. 72I5
oxiguum W. et G.S.West 7I03, 800I, 8554, 89I6, 9220, 950I, 980I, II292, II866, I306I, I3249
flaccidum Delp. 8038
gracile Bréb. 72I5, 7992, 800I, 8700, 9088, 980I, 9938, I0080, I0I89, I0644, II292, II45I, II455, II866, I233I, I2479(o), I30I2, I3246, I327I, I3274, I3294
- var. elongatum W. et G.S.West 980I, II866
- f. elongatum (W. et G.S.West) Kossinsk. 9932, 9938, I0I60
- f. gracile 9932, I0I60
- var. tenue (Lemm.) W. et G.S.West 9749(o), 980I
- f. tenue (Lemm.) Kossinsk. 9749, I0I60, I3246
humile Kütz. I2049
incurvum Bréb. 9024
intermedium Ralfs 7507, 9749(o), I0I33, I0I34(o), I0I60, I0I62, I0956, I2050, I2479(o), I2667(o)
- var. hibernicum W. et G.S.West 9932
- var. intermedium III28
jenneri Ralfs 800I, 830I, 9446, 950I, 9749(o,p), I2667(o,p)
- var. jenneri I0I60
- var. robustum G.S.West I0I60, I0220
juncidum Ralfs 7989, 800I, 8700, 9687, I0I60, II45I, II455
- var. brevius (Ralfs) Roy I3522
kuetzingii Bréb. 7249, 7506, 8038, 8473, 8700(p), 9024, 9749(o,p), 980I, 9932, 9938, I0077, I0080, I0082, I0I60, I02I8, I0220, II45I, II455, II672, II673, II866, II88I, I2320, I2327, I3352
- var. kuetzingii I0008
lanceolatum Kütz. 72I5, 8038, 9024, 950I, 9662(o), 9944, I0I27, I0I60, I0548, III90(o), II866, II88I, I2327
- var. parvum (W.et G.S.West) Kossinsk. 980I, I2327
- f. parvum (W. et G.S.West) Kossinsk. I0956
leibleinii Kütz. 8038, 8300, 830I, 8303, 8306, 8308, 8778(o), 8659, 9024, 9242, 9292, 9568, 9649, 9662(o), 9694, 9749(o), 980I, 9932, I0046, I0074, I0077, I0080, I0082, I0I60, I0644, I0956, I0975, III90(o), II292, II866, II88I, I2049, I2I75, I2667(o), I2776, I2784, I3008, I3294, I35II, I35I7(o), I3747
- f. latius (Borge) Kossinsk. 8778(o)
libellula Focke 8778(o), 90I8(o), I0I52, I0I53
- var. intermedium (Roy et Biss.) G.S.West 8038, I2667(o)
- var. interruptum (W. et G.S.West) Donat. 8778(o), I0I60

- var. libellula f. libellula I0I60
linea Perty 980I
lineatum Ehr. 8038, 9024, 9749(o,p), 9932, I0I60, I0644, I0646, I276I, I2762
littorale Gay 7702, 8038, 8778(o), 9024, 9289, 9568, I0I26, I0I27, I0I60, I0644, II866, II88I, I35I7(o)
- f. littorale I2942(o)
lunula (O.F.Müll.) Nitzsch 800I, 80I6, 8038, 8266, 8778(o), 9257, 9446, 9478, 9662(o), 9752, 9932, I0I49, I0I53, I0I60, I0548, I0644, I0646, I2049, I2050, I2324, I2327, I2550, I2667(o), I3294
- var. lunula III28
macilentum Bréb. 800I, 8778(o), 9749(o,p), 980I, I0I60, I0798, II88I, I2942(o)
malinvernianiforme Grönbl. 9749
malinvernianum De Not. I35I7(o)
manschuricum Skv. I095I, III90(o)
margaritiferum Menegh. 8266
minutum Roll 9882
moniliferum (Bory) Ehr. 7I85, 7222, 7228, 7296, 7469, 7507, 762I, 7628, 800I, 8038, 8098, 8266, 8300, 830I, 8303, 8306, 8308, 8555, 8777, 8778(o), 89I4, 89I7, 8940, 90I8(o), 9024, 9088, 9I08, 9257, 9292, 9298, 9448, 9476, 9478, 950I, 9568, 9748(o), 9749(o,p), 980I, 988I, 9932, 9938, 9959, I0074, I0077, I0080, I0082, I0I27, I0I29, I0I34(o), I0I5I, I0I62, I02I8, I0220, I0276, I0644, I0646, I0798, I0956, I0975, II292, II537, II672, II673, II720, II866, II88I, II932, I2049, I2320, I2324, I2327, I2358, I2383, I2478, I2479(o), I2482, I2645, I2993, I3008, I30I2-I30I4, I3026, I3027, I3488, I3588, I3653, I3736
- var. concavum Klebs 800I, 8038, 8700, 9242, 950I, 9662(o,p), 9749(o,p), I0I60, III90(o), II45I, II455, II866, II88I, I2327, I2336, I2942(o)
- var. moniliferum 9662(o)
- - f. moniliferum I0I60
- - f. subrectum (Grönbl.) V.Poljansk. I0I60
- f. moniliferum I0008
- var. submoniliferum (Woronich.) Krieg. I0I60
navicula (Bréb) Lütkem. 9024, II673, I2667(o)
- var. crassum (W. et G.S.West) Grönbl. I0I60
- var. navicula I0I60
nematodes var. proboscideum Turn. I0I60
nordstedtii (Delp.) Chod. I0II3
parvulum Nag. 72I5, 800I, 8038, 830I, 8555, 8700, 8725, 89I3, 89I4, 89I6, 9024, 9297, 9298, 9478, 950I, 9749(o,p), 980I, 9932, I0080, I0I53, I0I62, III90(o), II45I, II452, II866, I2I22, I2I75, I2479(o), I2667(o,p), I2680, I2932, I2938, I3I77, I3I78, I35I7(o), I3524, I3653
- var. angustum W. et G.S.West 8725, I2579
- var. majus West 8778(o), 9649, 9749(o), I2667(o,p)
- var. parvulum f. majus West I2942(o)
- - f. parvulum I2949
- f. parvulum 9662(o), I0008, I0I60
- f. majus West 7222, 9662(o), I0I60
peracerosum Gay 72I5, 7469, 800I, 8038, 830I, 8778(o), 9294,

9296, 9478, 9568, 9662(o), 9801, 10160, 10244, 10646, 11292, 11697, 11866, 12323, 12327, 12932, 13012, 13014, 13061, 13216
- var. elegans West 7185, 8001, 8038, 8778(o), 9749(o,p), 10218, 10220, 12324, 12327, 12331, 13246
- var. peracerosum 7462, 9135, 10218, 10220
praelongum Bréb. 9801
- var. brevius (Nordst.) Krieg. 8038, 9801, 10220, 10644
- - f. incolorato-grabrum Woronich. 9018(o)
- f. brevius Nordst. 8038, 9501, 10160
- f. praelongum 10160
pritchardianum Arch. 8038, 9568, 9662(o), 10646, 10975, 11866
pronum Bréb. 8001, 8038, 9024, 9801, 10113, 10218, 10220, 10644, 10959, 11866, 11881, 12323, 13245, 13526
- var. brevius West 8038, 9801, 10160, 11866, 12323, 12327, 13747
- - f. sigmoideum (Woronich.) Kossinsk. 8700, 11881
- f. brevius (West) Kossinsk. 7806, 8926, 9662(o)
- var. pronum 9135, 10160
- f. pronum 9662(o), 10008
- f. sigmoideum (Woronich.) Kossinsk. 11451
pseudodianae Roy 10160, 10309, 10866, 12327
pseudolunula Borge 10160, 11866
punctatum Skuja 10160
pusillum Hantzsch 9476, 9478, 10160, 13544
ralfsii Bréb. 8700, 9938
- var. hybridum Rabenh. 9932, 10160, 10309
- var. ralfsii 9932
regulare Bréb. 9749(o)
retusum Rabenh. 13689
rostratum Ehr. 8038, 8301, 8473, 9446, 9451, 9749(o,p), 9932, 10160, 10866, 12327, 12479(o), 12667(o), 13642
- f. brevirostratum (West) Kossinsk. 9749(o), 11881
setaceum Ehr. 8001, 8700, 9289, 10160, 10309, 12175(o), 12336, 12482
- var. rollii Kossinsk. 9289
sigmoideum Lagerh. et Nordst. 8001
siliqua W. et G.S.West 8001, 8038, 9446, 9749(o), 11881
spetsbergense Borge 8038
- f. longius V.Poljansk. 12327
strigosum Bréb. 9932, 10160, 10644
striolatum Ehr. 8001, 8038, 8778(o), 8859, 8916, 9749(o,p), 9932, 9938, 10160, 10162, 10798, 11866, 12049, 12175, 12667(o), 13352
- var. erectum Klebs 9446, 11866
subtile Bréb. 9801
subulatum (Kütz.) Bréb. 8038, 8553-8555, 9018(o), 9289, 9749(o), 9801, 11866, 13246, 13504
- var. latius Roll 9801
tetractinium Gay 8038
toxon West 8038
tumidulum Gay 7469, 10160, 11866
tumidum L.N.Johns. 8001, 10218, 10220, 10309, 12482
- var. nylandicum Grönbl. 10160
turgidum Ehr. 11932
- var. giganteum Nordst. 10160, 10162

- var. turgidum 10160
ulna Focke 10160, 10162
- var. ulna 12942(o)
undulatum Corda 12095
venus Kütz. 7376, 8001, 8038, 9297, 9478, 9662(o), 9694, 9749(o,p), 9801, 10133, 10134(o), 10160, 10218, 10220, 10646, 11190(o), 11455, 11673, 11866, 12479(o), 12667(o), 13249
- f. minus Roll 8038
- var. venus f. minus Roll 12942(o)
- - f. majus Fedor. 12949
- - f. venus 12942(o), 12949
Clypeator Gramb.
corrugatus (Peck) Gramb. 7736, 7737, 11097
Clypeina Michelin
sp. sp. 9823
Coactilum Masl.
sp. sp. 7268, 7270, 10534, 13233, 13237
munthei Roth 13236
silurica Lipina 11778(o,p)
straelenii Lecompte 7268, 7269, 13235(o,p), 13236, 13237
- var. devonicum Masl. 7176(o,p), 13231, 13235(o,p), 13236, 13237
Coccolithites Kampt.
ornatus Schumenko 13469, 13472
stellatus Schumenko 13472
Coccolithophora Lohm.
sp. sp. 13473
fragilis Lohm. 9220
Coccolithus Schwarz
sp. sp. 8149, 8254, 8539, 8760, 8763, 12153, 13299
actinosus Stover 10432-10434
arkhangelskii Schumenko 13464(p)
ballus Orech. 11257(o,p)
barnesae Black 13468(p), 13471(o,p)
bidens Braml. et Sull. 13474
cavus Hay et Mohl. 8538
circumradiatus Stover 10427(p), 10433, 10434
crusiformis Orech. 11257(o,p)
declivus Vischnevsky et Menjajlenko 7976(o,p)
deflandrei Noël. 13471(o,p)
distributus Luljewa 10434(o,p)
eopelagicus Braml. et Ried. 9713
fissuriformis Orech. 11257(o,p)
fragilis Lohm. 7517, 8763, 9787, 12152
grandis Braml. et Sull. 8538, 13474
huxleyi (Lohm.) Kampt. 7514, 7954, 7958, 10888, 10890-10892, 12153, 12228, 12921, 12922
infundibuliformis Orech. 11257(o,p)
labirinthiformis Orech. 11257(o,p)
laevis Schamr. 10434
leptoporus (Kur. et Black.) Lohm. 8763, 8785, 12019, 12152
macellus Braml. et Sull. 8538
matalosus Stover 10434
melaniae Górka 10434

nativus Górka I0434
obtusus Kampt. I292I(p), I3475(o,p)
parvide:tatus (Defl. et Fert) Reinh. I3466, I347I(o,p)
pelagicus (Wall.) Schill. 7952, 7954, 7956, 7958, 8538, 8763, 899I, 9788, 979I, I02I0, I0427(p), I0428, I0430, I0433, I0434, II827, I20I9, I2I52, I2892, I292I(p), I2922
perlucens Luljewa I0430(o,p)
sibogae (Web. van Bos.) Schill. I20I9, I2I52
Coccomyxa Schmidle
sp. sp. 7438(p), 8573, 8584, IIII7, I2833
arvensis Jaag 8570, 858I
dispar Schmidle 8570, II720, I28II, I3657, I3666
lacustris Chod. I02I8, I0220
solorinae Chod. 7436, 7676, 8825, I07I5, IIII2, IIII3, II720, I2809, I28II, I3439, I3453, I3657, I3666
viridis Visch. 858I
Cocconeis Ehr.
sp. sp. 704I, 7047, 7348, 7438, 7506, 7684, 7829, 783I, 8353, 8370, 8487, 8527, 8529, 87I3, 8738, 8799, 8877, 89I9, 898I(p), 9I42, 9I49, 92I4, 9446, 9488-9489, 949I, 9580, 96I9, 9648, 9664, 9720, I0008, I0046, I0074, I0079, I0087, I0I04, I0II3, I0I69(p), I0222, I0384, I04I4, II034, II083, II094, II572, II583, II739, II792, II863, II933, II994, I2004, I2I40, I2223, I2329, I286I, I3I64, I3274, I3362, I3363, I3499, I35I5, I35I9, I3530, I358I, I3583, I3706, I3736
antiqua Temp. et Brun 898I
- var. antiqua 972I(p)
arctica Cl. 898I, 9029, 972I, I3353
biharensis Pant. 7530, 898I
- var. rotunda Gaponov 898I, I037I, I3353
britannica Näg. II537
californica Grun. II085, I3353
- var. californica 972I, II083
- var. kerguelensis Heid. et Kolbe 972I(p), I3353
ceticola var. subsalina Pr.-Lavr. II537, II80I(o,p)
communis Heib. 8266
- var. placentula (Ehr.) Kirchn. I3008
costata Greg. 7287, 7530, 753I, 7597, 7685, 8422, 8737, 8738, 898I(p), 9002, 9029, 972I(p), 98I0, I00I7(o), I0384, I04I7, II083, II085, II424, II442, II696(o), I2I40, I3I62, I3353, I3706
curiosa Hust. II083, II085
curvi-rotundata Temp. et Brun 898I
decipiens Cl. 7530, 898I, 972I
diminuta Pant. I0220, II694, I2320(o), I2579, I3I68, I3756(o,p), I3758(o,p)
dirupta Greg. 753I, 8254, 898I(p), 9029, II696(o,p)
- var. flexella Jan. 7983, 8254, 9568, I3353
- var. sigma Pant. 898I, 97I5
disculus (Schum.) Cl. 7I42, 7296, 7973, 8254, 869I, 8738, 8739, 878I, 8784, 9I95, 9356, 9357, 9360, 9580, I0099, I0I5I, I0220, II126, II694, I3I6I, I3I68, I3I7I, I3206, I3354, I35I7(o), I35I9, I3520, I3668
- var. diminuta (Pant.) Sheshuk. 7054, 753I, 7973, 7975, 8034, 8254, 869I, 8700, 8739, 9357, 9444, 9457(p), 9463, I0008, I0I48, I02I8, I0548, III26, II45I, I3I7I, I320I, I3206, I3354, I35I7(o), I3526, I3668
- var. disculus 8423, 869I, I02I8
distans Greg. 8254, 8738, 9456, 9459, 9464(o), I0226, I0384(o,p)
elliptica var. ladogensis Cl. I3I7I
formosa Brun 972I, I0332, I3353
gautierii V.H. 9000
heteroidea Hantzsch 753I, 898I
imperatrix A.S. 9000, 97II
interrupta Grun. 7530, 753I, 898I(p), 972I(p), I037I
japonica A.S. II083, II085
kamtchatkiensis Mann 972I(p), II083, II085
lepidula var. major Skv. I3759(o,p)
lyra A.S. 8738
maxima (Grun.) H.Perag. I0I36, II083, II085
notata Petit 7685, 8I48
ornata var. lineolata Pr.-Lavr. 9720
ovalis I020I
pediculus Ehr. 7054, 7I03, 7I30-7I32, 7I35, 7I42, 7I8I, 7I86, 72I5, 7494, 7507, 7973, 7975, 7983, 8000, 8034, 8038, 8I06, 8249, 8254, 830I, 8304, 8309, 8473, 852I, 869I, 8738, 8739, 878I, 8859, 8899, 8902, 89I2-89I4, 89I7, 8922, 9053, 9078, 9203, 9220, 9242, 9292, 9357, 9444, 9445, 9476, 95I2, 9674, 980I, 9959, I0047, I0077, I0080, I0082, I0I02, I0I50, I0I52, I0I53, I02I8, I0220, I024I, I0242, I0244-I0246, I0248, I0393, I0548, I0646, I0905, I0955, I0956, I0975, III90(o), II229, II279, II537, II578, II579, II625, II694, II866, II88I, II930, II932, I2049, I2052, I2054, I2055, I2I54, I2347, I2350, I2383, I2420, I2637, I2646, I2650, I27I0, I2905, I2906, I2926, I2938, I30I3, I30I4, I3027, I3I64, I3I7I, I3I97, I3206, I3269, I3354, I3373, I3503, I3506, I35II, I35I4, I35I7(o), I35I9, I3520, I3522, I3528, I3529, I356I, I3562, I3564, I363I, I3668, I3679, I3706, I3750
- f. abrupta O.Korotk. 9029, 9456, 9459
- var. baltica Cl. 8254
- var. diminuta Sheshuk. I3522
- var. minutissima Poretzky I0955
- var. pediculus 8685, 8686, 8700(p), 9457, 9459, 9463, 972I, I0247, III86, III94(o), II45I, I22I7, I2420, I2650, I327I, I3272, I3274, I3283, I3294
- f. ultrasalina Pr.-Lavr. 8034, II806(o)
pellucida Grun. 898I, II083, II085
pinnata Greg. 8738, 972I, I3353
placentula Ehr. 7054, 7I32, 7I39, 7I42, 7222, 7383, 7507, 7530, 753I, 7700, 7973, 7975, 7983, 7984, 7989, 7992, 8000, 800I, 8034, 8038, 8I06, 8207, 8254, 8259, 8266, 830I, 832I, 8555, 8690, 869I, 8738, 878I, 8859, 89I3, 89I4, 8922, 898I, 90II, 9029, 9057, 9059, 9060, 9220, 9292, 9298, 9357, 9360, 9362, 9504, 9580, 9674, 9694, 9749(o), 975I, 9796, 980I, 9959, I0047, I0080, I0I50, I0I5I, I0I53, I020I, I024I, I0242, I0244, I0248, I0379, I0380, I0388, I0548, I0646, I0732, I0733, I0905, I093I, I0955, I0956, I0959, I0975, III90(o), II222, II224, II279, II3II, II452, II529, II537, II57I, II578, II579, II688, II696(o,p), II866, II88I, II9I0, II930,

II933, I2049, I2052, I2054, I2I22, I2320, I2346, I2347, I2383, I2478, I2482, I258I, I2637, I2645, I2646, I286I, I2926, I2937, I2938, I30I2, I30I4, I3027, I3I68, I3I7I, I320I, I3246, I3249, I3267, I3354, I3482, I3506, I35II, I35I2, I35I4, I35I7(o), I35I9, I3520, I3522-I3525, I3529, I3530, I3583, I363I(p), I3646, I3647, I3668, I3706, I3758(o)
- var. baikalensis Skv. I3756(o,p)
- var. euglypta (Ehr.) Cl. 7054, 7I39, 7I42, 7I8I-7I83, 7I85-7I88, 7507, 7973, 7983, 7989, 7992, 800I, 8034, 8038, 8253, 8254, 830I, 8309, 8423, 8685-8687, 869I, 8700(p), 8738, 878I, 8859, 9057, 9059, 9242, 9292, 9298, 9444, 9445, 9448, 9456, 9457, 9459, 9463, 9648, 9649, 9694, 97I7, 9748(o), 980I, 9932, I0008, I0I69, I02I8, I0220, I0244, I0245, I0247, I0468, I0546, I0548, I0646, I0939, I0955, I0956, III84, III90(o), III94(o), II223, II45I, II57I, II578, II579, II694, II866, II930, I2320, I2579, I2580, I27I0, I2933, I2936-I2939, I2945, I30I2, I30I4, I3I68, I3I97, I3246, I3249, I3269, I327I, I3274, I3283, I3354, I3373, I3482, I3499, I35I7(o), I3520, I3522, I3583, I363I, I3668, I3706, I3758(o)
- var. fossilis Pant. 9720
- var. intermedia (Herib. et Perag.) Cl. 7I42, 7620, 762I, 7973, 7992, 8207, 8254, 830I, 8423, 8738, 878I, 9057, 9292, 9444, 9445, 9694, 97I8'o,p), 972I, I0548, I0646, I0956, III83, III84, III86, III90(o), I2936, I3269, I3283, I3354, I3499, I35I4, I35I7(o), I35I9, I3523, I3524, I3668
- - f. intermedia II694
- - f. minor A.Cl. II694
- var. klinoraphis Geitl. II694, I3668
- var. lineata (Ehr.) Cl. 7I87, 7I88, 7983, 800I, 8253, 8694, 8738, 9057, 9444, 9459, 97I7, 980I, I0099, I0646, I0939, I0956, II694, II866, I2I22, I2I24, I3I68, I320I, I3246, I3249, I3354, I3482, I3583, I3756(o,p), I3759(o)
- var. placentula 7054, 8687, 8690, 869I, 8694, 8700(p), 9444, I0099, I0I69, I02I8, I0220, I0247, III28, III84-III86, III94(o), II45I, II455, II694, I22I7, I2579, I2580, I27I0, I327I, I3283
- var. rouxii (Brun et Herib.) Cl. I0468, I0548, II694, I35I4, I35I7(o), I3526, I3668, I3756(o,p)
pliocenica Krasske I0900-I0903
pseudomarginata Greg. 898I, II083, II085, II442
quarnerensis Grun. 8738, 9456, 9459, 9560(o), I3I6I
schmidtii (I.Kiss.) Sheshuk. 753I, 898I
schuettii V.H. 9000
scutellum Ehr. 7I30, 7I32, 7I37, 7348, 7490, 749I, 7530, 753I, 7685, 7829, 7868, 7869, 8034, 8253, 8254, 8737, 8738, 878I, 898I(p), 9000, 9029, 9060, 9I95, 92I4, 9220, 9242, 97I5, 98I9, 9972, I0I36, I020I, I037I, I0379, I0380, I0384, I0772, I0803, I0865, I093I, I0982, III76, III86, II279, II424, II537, II57I, II578, II579, II694, II696(o,p), II9I0, I3I60-I3163, I3I65, I3I7I, I3206, I3249, I3353, I3354, I3363, I3398(o), I3495, I3645, I3689, I3694, I3706, I375I
- var. adjuncta H.Perag. 8034, 8444, 8527, 853I, 9456, 9458, 9459, 9460(o), 9463

- var. inaequalipunctata Missuna 8254, 9720, I3706
- var. intermedia Mer. 7983, II579
- var. minutissima Grun. 9220, II57I, II578, II579, I3706
- var. parva Grun. 7349, 735I, 7353, 8738, 8859, 9220, I0I69, I0226, I0468, I0772, II083, II085, II3II, II537, II57I, II579, I27I0, I3I62, I3I63, I327I, I3353, I3706
- f. poroides Tscher. I3I60, I3I7I
- var. pulchra Missuna 8254, 9720, I3706
- var. scutellum 7354, 9457-9459, 972I, I0I02, I0I69, I0226, II083, II085, II442, I27I0
- var. stauroneiformis Grun. 8738, 898I, 9087, I04I7, II442, I3I63
- var. thumensis A.Mayer I27I0
skvortzowii (Skv.) Sheshuk. I0I50, I0I52, I320I, I35I7(o)
sparsipunctata Brun 898I, 972I(p)
speciosa Greg. II083, II085
thumensis A.Mayer 7054, 7973, 8423, 869I, 8700, 8738, 878I, I0099, I0683, II45I, I3354, I3668
- var. euglypta (Ehr.) Cl. I07I5
vitrea Brun 7530, 7685, 898I, II085, I3353
- var. verrucosa Brun 972I, I3I62
- var. vitrea 972I(p), II083

Coccopedia Troitzk.
sp. sp. I35I8
limnetica Troitzk. I0026, I3009, I30I0
turkestanica E.Kissel. 9959, I095I, III90(o,p), I3504, I3704

Coccophora Grev.
langsdorffii (Turn.) Grev. 7636, 8592, 9I24, II384, I2664, I3633

Cochlodinium Schütt
sp. sp. 8760, 8763, 9785
archimedis (Pouch.) Lemm. 92I4, 9220, 96I9
citron Kof. et Sw. 92I5
geminatum (Schütt) Schütt I2004
leburae Kof. et Sw. 9220
pirum (Schütt) Lemm. 9220

Codiolum A.Br.
sp. sp. II378
gregarium A.Br. 7940(o,p), 8054, I27I0

Codium Stackh.
sp. sp. 8063, 9402, 9407, I0409, I0773, II384, I235I, I2368(p), I2608
bursa (L.) Ag. I0058, I0I43, I0I46
dichotomum (Huds.) Gray 8054, I33I3
fragile (Sur.) Hariot 8054, 8406, I2606, I2607, I2609, I275I
- subsp. scandinavicum Silva 7636
incrassatum Silva 8590
tomentosum (Huds.) Stackh. I0I38, I0I40, I2604
vermilara (Olivi) Delle Chiaje 94I8, I0058, I0I45, II409(o), II4I0-II4I2, II4I7, II420, II423, II937

Codonia Cook. et Eis.
campanulata Cook. et Eis. 8048-8049(o)

Coelastrella Chod.
leviocostata Korsch. 9446

Coelastrum Näg.
sp. sp. 7080, 7I55, 734I, 747I, 7472, 7506, 7623, 8038, 8I06,

8258, 8584, 8939, 9I49, 9752, 9959, I0008, I0040, I0048, I0487, I065I, III07, II252, II737, II793, I2346, I2505, I2833, I3245, I3266
apiculatum Schmidle II866
astroideum De Not. 90I8(o)
cambricum Arch. 7294-7296, 7757, 800I, 8038, 858I, 9289, I0080, I0082, I0I3I, I3246, I3249, I3653, I3689
- var. cambricum 8700, I02I8, I0220, II45I
- var. intermedium (Bohl.) G.S.West I0080, I02I8, I0220
- var. stuhlmannii (Schmidle) Ostf. 8038, I0II3, I0I33, I2478
chodatii Ducell. I0008
confertum I233I
costatum Korsch. 945I
cubicum Näg. 980I, I0I33, I0280, II586(o,p), I2579, I3279, I328I, I3530
dubium Grun. 7757, II25I, II329, I2320
echinulatum Swir. I0I85, I0I90, II584, II585
fenestratum Schmidle II866
intermedium (Bohl.) Korsch. 8700, 950I, 9749(o,p), 9944, II45I, II455
irregulare Schröd. II866
microporum Näg. 7I03, 72I5, 72I8, 7226, 7249, 7250, 7303, 743I, 7462, 7465, 7467, 7469, 7470, 7584, 7589, 7626-7628, 7702, 77I3, 7879, 796I, 7964, 7984, 7992, 7993, 800I, 8097, 8098, 830I, 83I0, 8554-8557, 8560, 858I, 8700(p), 8720, 8859, 8873, 8904, 8906-8909, 89I2-89I4, 89I6, 89I7, 892I, 8924, 8928, 8940, 90I8(o), 9053, 9085, 9I33, 9220, 9242, 9257, 9292, 9296-9298, 9340, 9448, 9568, 9580, 9649, 9687, 9748(o), 9749(o,p), 975I, 9752, 9755, 980I, 9864, I0008, I0039, I004I, I0044, I0046, I0048, I0074, I0077, I0079, I0080, I0082, I0085, I0II3, I0I30, I0I3I, I0I33, I0I79, I0I89, I02I8, I0220, I024I-I0243, I0245-I0247, I0362, I0363, I0365, I0396, I0644, I0646, I0822, I0870, I0878, I0905, I0925, I0997, III84, III85, III98, II45I, II452, II537, II583-II585, II730, II736, II864, II866, II88I, II933, II965-II967, I2020, I2049, I2052, I2075, I2076, I2I22, I2I75, I2324, I2327, I233I, I2333, I2336, I2342, I2346, I2379, I24I4-I24I6, I245I, I2478, I2482, I2483, I2496, I2498, I2579, I27I0, I2863, I2940, I3009-I30I4, I3026, I3I20, I3I27, I3I29, I3I42, I3I48, I3I77, I3I78, I3I98, I3I99, I3202, I3245-I3247, I3249, I3250, I3267, I3270-I3274, I3279-I328I, I3287, I3290, I3294, I3398, I3499, I35I7(o), I3520, I3590-I3592, I3594-I3595, I3642, I3679, I3689, I3704, I37I3, I3736, I3746, I3747
- var. microporum I3586
microsporum Näg. 7757, 83I0, 89I0
piliferum Götz. 8700
proboscideum Bohl. 7988, 800I, 8038, 8308, 9298, 9568, 980I, I0077, I0080, I0082, I02I8, I0220, II859, II864, II866, I2327, I2350, I2482, I2905, I3246, I327I, I35I7, I3594-I3595, I363I, I3642, I3736
- var. dillatatum Chod. 858I
pseudomicroporum Korsch. I0008
quadratum Morren II866, II966
rectangulare (A.Br.) Gay II866

reticulatum (Dang.) Senn 72I5, 800I, 8038, 8700, 90I9, 9298, 9433-9439, 944I, 9643, 9648, 965I, 9666, 9749(o), 9752, 980I, I0080, I0I33, II583, II866, II933, I2075, I30I3, I30I4, I3I77, I3I78, I3I99, I3245-I3247, I3249, I3250, I327I, I3526, I3738
- var. reticulatum I3272
scabrum Reinsch I0080
speciosum (Wolle) Brunnth. I0080
sphaericum Näg. 7082, 7I03, 7250, 7303, 7304, 7465, 7467, 7757, 7992, 7993, 800I, 8038, 8292, 830I, 8555, 8859, 8924, 9220, 9289, 9340, 9433-9434, 9438, 9476, 965I, 9749(o), 9752, 980I, I0007, I0008, I0046, I0048, I0II3, I0I3I, I0I33, I0I85, I0I86, I0I88-I0I94, I0220, I0286, I03I7, I0363, I0866, I0905, I095I, II537, II583-II585, II736, II739, II790, II792, II794, II866, II963, II965, II967, I2055, I2I22, I2324, I2327, I233I, I2333, I24I5, I2482, I2504, I2505, I2906, I3013, I3026, I3I27, I3I77, I3I78, I3245-I3247, I3249, I3267, I3270-I3274, I3279, I3287, I3294, I35I5, I3536, I3537, I3540, I37I3, I372I, I3740
- var. sphaericum I3586
tetrapedia (Kirchn.) West II866
Coelenteratella Korde
antiqua Korde 9822(p)
Coelocladia Rosenv.
arctica Rosenv. 9I75
Coelosphaeridium Roemer
sp. sp. 9823, 9833
Coelosphaerium Näg.
sp. sp. 7464, 7627, 7732, 8258, 8259, 88I6, 8920, 9I04, 9257, 9725, 9752, 9820, I0I62, I0I89, I0306, I0375, I0769, II457, II583, II690, II87I, II899, II956, I2I55, I2344, I2346, I2905, I2906, I3576, I3645
anomalum (Bennet) De Toni et Levi 83I6
bentcum Pschenin II835
confertum W. et G.S.West 8038, 9568, I0026, I02I8, I0220, II866
dubium Grun. 7246, 738I, 7462, 7469, 7470, 7507, 7520, 7806, 7994, 800I, 8029, 8038, 83I0, 837I, 8670, 8673, 87I8, 8940, 9I33, 9I35, 9225, 9289, 9298, 9453, 9568, 958I, 9648, 9649, 9749(o), 9755, 980I, 9932, 9938, 9959, I0008, I0026, I0080, I0II3, I0I30-I0I33, I0I88, I02I8, I0220, I022I, I0365, I054I, I0800, I0864, I0876-I0878, I0906, I0922, II039, II326, II358, II730, II73I, II734, II735, II837, II840, II847, II88I, II967, I2323(o), I2333, I2377, I24I9, I2434, I2478, I248I(o), I2482, I2680, I27I0, I2894, I2897, I298I, I30I3, I30I4, I306I, I3I27, I3I29, I3I36, I3I37, I3I56, I3I90, I3246, I3249, I3488, I3496, I3526, I3530, I3535, I359I, I363I, I364I, I3689
kuetzingianum Näg. 7I03, 7II2, 7249, 7467, 7469, 7470, 7507, 7626, 7758, 7984, 7992, 7993, 800I, 8035, 8038, 8I06, 830I, 8473, 8553-8555, 8700, 8725, 8750, 90I9, 9I34, 9220, 9242, 9250, 9289, 9298, 9324, 950I, 9503, 9568, 958I, 9694, 9749(o), 9768, 9800, 980I, 9932, 9938, I0006, I0007, I0026, I003I, I0046, I0080, I0II3, I0-32, I0I33, I02I8, I0220, I0280, I0286, I0366, I0396, I0732, I082I, I0822, I0866,

I0959, II45I, II452, II488, II537, II594, II672, II673, II734, II739, II864-II866, II88I, II932, II965, II967, I2076, I2092, I2323, I2324, I2327, I2333, I234I, I2347, I2350, I24I5, I24I9, I248I203, I2680, I27I0, I2894, I2897, I2935, I3009-I30II, I30I3, I3027, I3I27, I3I29, I3I99, I3246, I3247, I3249, I327I, I35I7, I35I8, I3520, I353I, I3535, I3583, I363I, I3642, I3679, I3689, I3704, I3736, I3747
- f. aerugineum (Lemm.) Elenk. et Woronich. I0008, I0026
- f. kuetzingianum 7462, 9I33, I0008
minutissimum Lemm. 7II2, 8038, 8604, 8778(o), 90I9, I0008, I0026, II537, I27I0
naegelianum Ung. 8473
natans Lemm. I0026, I0822
pusillum Van Goor 9694, I0959, III84, III86, I2935, I2943, I3056, I35I8, I3535
Coenochloris Korsch.
sp. sp. 9643, 9648, I0878
ovalis Korsch. 800I, 8700, 9289, I0II3, II45I, I2482, I3524
planctonica Korsch. 9I33
pyrenoidosa Korsch. 800I, 8038, 9I33, 9749(o,p), I087I, I2482, I2680, I2809, I30I0, I30I3, I30I4, I3520
Coenococcus Korsch.
sp. sp. 9643, I2809, I35I5
planctonicus Korsch. 7465, 7469, 8038, 99II, 99I2, 9944, I0008, I0II3, I2323, I2333, I3270-I3272, I3287, I3509
Coenocystis Korsch.
sp. sp. III28
obtusa Korsch. 8904, 8925(o), 8926, IIII7, II967
planctonica Korsch. 7757, 800I, 8038, 8700, 9289, I0008, I0046, I0II3, I0II4, I0I76, I0959, II45I, II455, II488, II736, I2I22, I2482, I2680, I3509, I35I2, I3520, I3530
reniformis Korsch. 8700, 9289, I0II3
subcylindrica Korsch. 8038, 8700, 8925(o), 8926, 9289, 9694, 9749(o,p), I2333, I2482, I3520
Coenolamellus Pr.-Lavr.
botryoideus Pr.-Lavr. II8I7(o,p)
Coilodesme Strömf.
sp. sp. 8072, I3720
bulligera Strömf. 7942, 8054, 807I(o), 8550
californica (Rupr.) Kjellm. 7636, 8054, I2064
cystoseirae Setch. et Gardn. 8054, I2604, I2607
japonica Yamada 7636, 8056
Colacium Ehr.
sp. sp. 7243, 7246, 90I8, 9755, 9959, I09I4, II088, I2580, I3583
arbuscula Stein 7306, 7309, 8038, 9580, 9687, 980I, I02I8, I0220, I0646, I0870, II866, I2I75, I2579, I3056, I3373, I3520, I3583, I3747
cyclopicola (Gicklh.) Woronich. et Popova 7049, 7050, 7306, 73II, 7330, 9687, I0008, I0044, I0046, I2579, I3057, I3535, I3747
sideropus Skuja 73II, I3057
vesiculosum Ehr. 7227, 7308-73II, 73I4, 73I6, 7326, 7330, 7332, 7469, 8038, 8555, 87I8, 8800, 8877, 8879, 89I2-89I9, 892I,

8924, 8927, 8940, 90I5, 9252, 9292, 9294, 9296, 9433-9434, 9687, 9755, 980I, I02I8, I0220, I0646, II670, II859, II866, I2496, I27I0, I2776, I2784, I2932-I2935, I2940, I30I4, I3056, I3I97, I3I98, I3520, I3526, I3527, I3535, I37I3, I3736, I3747
- var. natans Lemm. 8038, I3I98
- var. vesiculosum 7462, I0008, I2939
Coleochaete Bréb.
sp. sp. 988I, I0646, I3736
irregularis Pringsh. 7I8I, 7I84, 7I86, 8038, I3482
orbicularis Pringsh. 8038, 9749(o,p), I02I8, I0220, II866, I3482
pulvinata A.Br. I0956
scutata Bréb. 8038, 9446, II223, I2020, I258I, I3482
soluta Pringsh. 8038, I3482, I3526, I363I
Colpomenia (Endl.) Derb. et Sol.
peregrina (Sauv.) Hamel 7636, II090, II384, I2607
sinuosa (Roth) Derb. et Sol. 76I3, 8054, 8056, 859I, 8592, 9I24, I2604, I2664, I3633, I3720
Cometodinium Defl. et Court.
obscurum Defl. et Court. 8048-8049(o,p)
Compositus Veksch.
eugenii Veksch. 7824, 7830
Compsonema Kuck.
sp. sp. 9II8, 9I23
Compsopogon Mont.
coeruleus (Balb.) Mont. 8464(o,p), 8465(o,p)
Conferva L.
sp. sp. II579, I3736
depauperata Boloch. 8473
Conradiella Pasch.
calva (Conr.) Pasch. I35I7(o)
Consinocodium Endo
sp. sp. I3236
Constantinea Post. et Rupr.
rosa-marina (Gmel.) Post. et Rupr. 8054, 8065(o)
sitchensis Post. et Rupr. II96I
subulifera Setch. I2064
Copromonas Dobell
subtilis Dobell 8266
Corallina L.
sp. sp. 75I8, 805I, 8063, 8275, 8277, I0582, II408, II78I, I2606
granifera Ellis et Soland. 94I8, 9420, I0058
mediterranea Aresch. 94I8, I0I43, II409(o), II4I0-II4I2, II4I6, II4I7, II420, II422, II423, I33I3, I3693
officinalis L. 74I3, 7476, 760I, 7606, 7608, 76II, 7942, 8054, 8064, 8279, 859I, 9I24, 9I52, 9I62(o), 9406, 94I8, 9420, I0055, I0059, I0I38, I0I40, I0I45, I0600(p), I0II0, I0929, II833, I2064, I2I60, I2604, I2607, I2907, I3720
pilulifera Post. et Rupr. 76I2-76I4, 7636, 805I, 8052, 8054, 8056, 8058-8060, 8070, 8073, 8592, 9I24, 9384, II384, I2064, I2604, I2607, I2664, I3720
- f. filiformis Rupr. I3633
rubens L. II600, II605
virgata Zanard. II409(o), II4I2, II420

Corbisema Hanna
geometricum Hanna 7824, 9952
- var. apiculatum Jousé 9952
Corbularia Vologd.
dissecta Vologd. I2752
filamentosa Titor. I2752
spongiosa Titor. I2752
Corethron Castr.
sp. sp. 706I, 9I4I, 9902, I0756, II023, I2007, I2079, I2I53
cryophilum Castr. 7667, 7930, 7950, 7952, 7956, 9000, 9I24, 9228, 9598, 9703, 9704, 9705(p), 9708, 97II, 97I6, I0II9, I0I20, I2223, I3028, I3649
hystrix Hesen 7063, 753I, 7954, 82II, 898I, 9709, 97I2, 97I6, I00I3, I00I4, I00I7(o), I0757, I0886-I0889, I089I, I0892, II375, II997, I2004, I2I53, I2222, I2228, I2669, I3649
inerme Karst 9432
pelagicum Brun 706I, 7063, 9965, I2004, I2228
podolicum Gaponov 9720

Cornua Schulz
sp. sp. 9952
poretzkajae Gles. 82I8, 8362
trifurcata Schulz 9952, I2529
Cornutula Korde
kaltatica Korde 9833
kyzassica Korde 9833

Corollithion Str.
derosum Luljewa I0427(o,p), I0434
exiguum Str. I0430, I0433, I0434
signum Str. I0427(p), I0428, I0433, I0434
Corona Lef. et Chen.
magnifica Lef. et Chen. II334
retinervis Sleshuk. et Gles. 8365, 8370(p), I3364(o,p)
Corycium Sederh.
oligomerum Bielokrys et Mordovez 7524(o,p)
Corynophlaea Kütz.
flaccida Kütz. 9420
umbellata (Ag.) Kütz. 94I8, 9420, II409(o), II4I0, II4I2

Coscinodiscus Ehr.
sp. sp. 706I-7063, 7096, 7I04, 7I30, 7I39, 7287, 74I4, 75I7, 7549, 7633, 7680, 7728, 7827, 7866, 792I, 7950-7952, 7956, 7957, 7972, 8038, 8064, 8254, 8326, 8330, 8365, 8444, 845I, 8488, 8523, 8529, 853I, 8553, 8557, 8636, 8737, 8738, 8760, 878I, 8799, 8865, 8866, 8896, 8902, 8974, 8979, 8990, 9084, 9085, 9087, 9II2, 9I37, 9I40, 9I4I, 92I4, 922I, 9357, 9386, 9572, 9597, 97II(p), 97I3(p), 9720, 9787, 9789, 9809, 98I0, 9868, 9902, 994I, 9959, 9965, 9972, I00I5, I00I6, I009I, I0092, I0I36, I0I44, I0I47, I02I3, I0279, I0280, I0382, I0384, I0460, I0673, I0747, I0748, I0756, I0757, I0765, I0803, I08I4, I08I6, I08I8, I089I, I093I, I0939, I0978-I0982, II023, II034, II083, II277, II283, II3II, II334, II399, II450, II536, II57I, II672, II724, II8I5, II980, II994, II997, I20I9, I2035, I208I, I2I52, I2I53, I2222, I2223, I2336, I253I, I2534, I2536, I2597, I2669, I286I, I29I7, I3064(p), I3I62-I3I65, I3I67, I3I7I, I320I, I3249, I3353, I3354, I3363, I3388, I3495, I36I8, I3627-I3629, I3679, I3706, I3750, I375I
aeginensis A.S. 8990, I0976, I0978, I0982
aequatorialis Belyaeva 7534(o,p), 7536
africanus Jan. 7532, 8990, 8994, 8999, 9002(p), 97I0, 97II(p), 97I3(p), I033I, I0976(p), I0978, I0982(p), I0983, I2223
angustilineatus A.S. 7530, II980, I2223, I3I62
anissimovae Gles. et Rub. 8367
antiquus (Grun.) Cl. 7868, 7869, 9I95, II3II, I3I60-I3I62, I3I64, I3I65, I3I7I
apiculatus Ehr. 9220, II537
- var. ambiguus Grun. 8738, I00I7(o), I3353
argus Ehr. 7699, 7824, 7826, 8355, 8364(p), 8365, 8370, 845I, 8738, 898I, 8994, 9568, 9952(p), II334, I2039, I330I, I3369, I3707
asteromphalus Ehr. 7223, 749I, 7494, 7497, 7530, 7532, 7869, 8253, 8254, 8738, 8780, 8976(p), 8977(p), 8979, 898I, 8994, 8995, 9002(p), 9029, 9220, 9604, 97II, 9720, 972I, 9873, 9874, 9952, I0I0I, I0I02, I0384, I04I7, I0982, III68, II9I0, II980, I2444, I3I60, I3I62, I3I65, I3I7I, I3363
- var. centralis (Ehr.) Grun. 7490, 753I, 7868, 7869, 898I(p), 9029, 9220, 97II, 97I3, I00I7(o), II537, I3I64, I3I7I
- var. subbulliens (Jörg.) A.Cl. 753I, 7950, 7954, 7956, 8254, 898I(p), 8995, 9029, 9220, II980
balticus (Grun.) Cl. var. balticus I27I0
bathyomphalus Cl. 8738, I3I60, I3I62, I375I
bellus Jousé II334
biconicus Breem. 9I24, 9I32
bicurvatulus Lohm. 898I
bouvet Karst. 9000(o,p), 9002(p), 9703, 9705(p), 97II(p)
bullatus Jan. 9000(o,p), 9002, 9703, 9705(p), 97II, 97I6, I3649
bulliens A.S. 8I49, 8364(p), 8365, 8370(p), I3369
centralis Ehr. 7950, 7954, 7956, 82II, 9I24, 9568, I0886-I0888, I0892, I289I, I2892
commutatus Grun. 8370, 8738, II696(o), I27I0
concinnus W.Sm. 7534(o), 7536, 8738, 898I, 9I4I, 9220, 9747, 9976, I04I7, I2004, I2I53, I2669, I2892, I2956, I3249, I3645
convexus A.S. 7493, 8995(p), 972I(p)
craspedodiscus Kütz. I0982
crenulatus Grun. 7532, 7534(o,p), 7536, 898I(p), 8982, 8990, 8994, 8999, 9002(p), 9708, 97II, 97I3, I033I, I0976(p), I0978, I0980-I098I, I0982(p), I0983
- var. nodulifer Lohm. 97II, 97I3
cretaceus Jousé 9952
curvatulus Grun. 7490, 749I, 7530, 753I, 7868, 7869, 7950, 7954, 8738, 8976(p), 898I(p), 8982, 8994, 8995(p), 8999, 9002, 9029, 9I95, 97II, 97I6, I020I, I0332, I0384, I0388, I039I, II334, II442, II9I0, II980, I2I52, I2222, I2365, I289I, I2899, I3I60-I3I62, I3495, I3649
- var. karianus Cl. et Grun. 898I, I2892
- var. minor (Ehr.) Grun. 7490, 7868, 7869, 7973, 7975, 898I(p), I3206

cuspidatus Kütz. I3756(p)
cyanous Nik. II080(o,p)
decipiens Grun. I3724
decoratus Brun 8981
decrescens Grun. 7699, 8I49, 8364, 8370, 8990, 9952, I0939, I0978, I2019, I2I50, I3216, I3369, I3707
- var. decrescens 8364(p), II334
- var. polaris Grun. 8355, 8364, 9952(p), II334, I3367, I3707
decrescentoides Jousé 7502, 8355, 8364(p), I0939, II334, I3216, I3369, I3707
deformatus Mann 7536
denarius A.S. 7530, 8981(p), I0939, II334, I3369
disciformis Rub. I2035, I2037
dissoniformis Streln. I2529, I2532(o,p)
dissonus Schulz 7824, 8218, 9952(p), I0946, I2529, I2534, I2536, I2726(p), I3095
divinus Grun. 7490, 8981, 9711, 9720, I3353(p), I3358, I3362
duplex Glen. 8364, 8366(o,p)
elegans Grev. 7530, 8422, 8981(p), 8990, 9000, I037I, I0912, I3353
excavatus Grun. 8990, 9711, I0978, I0982
excentricus Ehr. 8488, 8763, 9976, I0757, I2152, I2153, I2892, I3162, I3301, I3645, I3724
fasciculatus A.S. 8365, 8370
flabelatus Rub. I2038
floridulus A.S. 8990
frigidus Jousé 8987(o), I0332
fulguralis Brun 9721
furcatus Karst. 7536, 8977(p), 9000(o,p), 9002(p), 9703, 9705(p), 9711(p), I0331
gigas Ehr. 7348-7350, 7352, 7354, 7355, 8961, 9220, 9619, I0978, II537, II572, II805
gorbunovii Shenhuk. 8988, 9379, I0899, I0900, I0902-I0904, I2035, I2037, I3365, I3366(o,p)
- var. aculeatus Rub. I2038
- var. ethmodiscoideus Moiss. I0902, I2037, I3366(o,p)
- var. gorbunovii I0902, I2037, I3366(o,p)
granii Gough 7271, 7348-7355, 7954, 7968, 8311, 8330, 8961, 9112, 9124, 9132, 9220, 9805, I0078-I0080, I0092, I0101, I0102, I0205, I0206, I0208, I0209, I0214, I0469, I0473, I0475, I0815-I0817, I0819, I0839, II087, II234, II537, II883, II904, I2055, I2153, I2591, I2597, I2669, I2710, I2897, I3005, I3052, I3645, I3689
- var. aralensis (Ostf.) Hust. 9124, 9220, 9242, II537
granulosus Grun. 7287, 8737, 8738, I0389, I0391, I0414, I3160-I3162
gronsheimii Glen. 9720, I3363(o,p)
gyratus Jan. 9000(o,p), 9002, 9703, 9705(p)
hauckii Grun. 7132, 7137, 7494, 7597, 8737, 8738, I020I, I3160, I3162
heteroporus Ehr. 7699, II334, I3216
impolitus Rattr. I0912
inflatus Karst. 9000(o,p), 9002, 9703, 9705(p)
intersectus Brun 9901, I3353

janischii A.S. 8211, 9138, 9220, 9221, 9223, I0206, I0475, I0846, II401-II403, II537
jonesianus (Grev.) Ostf. 7168, 7348-7350, 7352-7355, 7921, 7925, 7928, 7931, 8556, 9124, 9220, 9221, 9223, 9619, I0276, I0280, I0463, I0469, I0473, I0475, I0846, II537, II957, I3301, I3576, I3645
- var. commutatus (Grun.) Hust. 9124, 9220, 9234, I0280, II537
kolbei Jousé 8987(o), 9000(o,p), 9002, I0332
kuetzingii A.S. 7597, 8738, 9810, I2710, I3162, I3353
- var. glacialis Grun. I3706
lacustris Grun. 7054, 7215, 7348, 7353, 7354, 7493, 7497, 7505, 7869, 8001, 8038, 8318, 8559, 8691, 8738, 8781, 9020, 9021, 9195, 9220, 9357, 9362, 9444, 9492, 9568, 9648, 9801, 9819, I0080, I0218, I0220, I0280, I0469, I0956, II190(o), II694, II860, II866, I2095, I2125, I2320, I2405, I2710, I3164, I3178, I3206, I3495, I3529, I3535, I3689, I3706
- var. deformis A.Cl. I3706
- var. lacustris 7054, 8685-8687, 8690, 8691, 8698, 8700(p), 9721(p), I0939, II194(o), II451
- var. septentrionalis Grun. 7132, 7137, 7490, 7491, 7493, 7494, 7496, 7497, 7530, 7531, 7597, 7973, 8182, 8737-8739, 8780, 8781, 8981(p), 9002, 9029, 9052, 9353, 9721, I020I, I037I, I0384, I0939, II168, II908, II910, I2892, I3171, I3206, I3353, I3495, I3645, I3706
lanceolatus Castr. 8990, I0978, I0982
lentiginosus Jan. 7532, 7534(o,p), 7536, 8977(p), 8999, 9000(o,p), 9002(p), 9703(p), 9704, 9705(p), 9708, 9711(p), 9712, 9716, I0265, I033I, I0332, I3649
lewisianus Grev. 8254, 8982, I0976, I0978, I0982
- var. similis Rattr. 8990
lineatus Ehr. 7530-7532, 7699, 7826, 7829, 7868, 7869, 7952, 7954, 8219, 8738, 8979-8981, 8994, 9002(p), 9195, 9220, 9221, 9952, 9711, 9713(p), I0332, I0417, I0939, II334, II537, II910, II979, I2529, I2536, I3161, I3165, I3171, I3353, I3495
- var. elliptica Kolbe 9713(p)
- f. fossilis Jousé 7826, 9710, 9713(p), I2536, I3369
- var. ovalis 9713
lineatus-excentricus Hasle 7534(o,p), 7536
lobatus Rub. I2035, I2036(o,p), I2037(p)
margaritaceus Castr. 8987(o), 8998, 9000(o,p), 9705, 9711, I0332
marginatus Ehr. 7491, 7493, 7494, 7530-7532, 7534(o), 7536, 7827, 8246, 8293, 8422, 8976(p), 8977(p), 8979, 8981(p), 8982, 8994, 8995, 8998-9000, 9002(p), 9029, 9124, 9220, 9709, 9715, 9716, 9721(p), 9873, 9874, 9901, I0017(o), I0332, I037I, I0757, I0888, I0976, II311, II375, II979, II980, I2153, I2365, I2669, I2892, I3162, I3353(p), I3358, I3362, I3478, I3649
- f. endiotya Jousé 8981(p)
- f. fossilis Jousé 7827, 7829, 8978(o,p), 8981(p), 8990, 8995(p), I0982
margio-lineatus var. antarcticus Manguin 9711
meditatus Hanna 7530, 8432, 8981(p)
micans A.S. I2039

miocenicus Krasske 8895, 8896, 8988, 9379, I0900, I0902-I0904, I3366(o,p)
mirabilis Jousé II334
moelleri A.S. 7287, 7699, 7824, 7826, 845I, 9952(p), II067, I2039, I3064, I3367, I3369, I3707
- var. macroporus Grun. 8364(p), I0939, II334
monodon Mer. 9220
morenoensis Hanna 8990, I2534, I2536
nitidus Greg. 7I32, 7954, 8370, 8527, 8738, 8763, 9220, 97II, 972I, I020I, I037I, I0384
- var. subradiatus 9220
nodulifer A.S. 7532, 7534(o,p), 7536, 8979-8982, 8990, 899I, 8994, 8999, 9002(p), 9704, 9705, 9708, 97I0, 97II(p), 97I2, 97I3(p), 97I6, I033I, I0332, I0976(p), I0978, I0980-I098I, I0982(p), I0983, II979, II980, I2I52, I2223, I2597, I3649
- var. cyclopus Jousé 97I3(p)
- f. cyclopus Jousé 8990, 899I, 97I3
normannii Greg. I3353
obicus Rub. 8799, 9379, I03I0
oblongus Grev. 8365, 8370, II334, I3369
obscurus A.S. 7530-7532, 8254, 8738, 878I, 898I, 97II, 97I3, 972I, I2223, I2898, I3363(o,p), I3495, I3706
- var. concavus Gles. 8365, 8370(p)
- var. minor Rattr. 8365, 8370(p)
- var. obscurus 8370
ochotensis Jousé 898I
oculoides Karst. 9000(o,p), 9002, 9703(p), 9705(p), 97II, I033I, I0332
oculus iridis Ehr. 74I5, 74I6, 7424, 749I, 7494, 7530-7532, 795I, 7954, 82II, 82I2, 8253, 83I9, 8364, 8370, 8737, 8738, 878I, 8976(p), 8977(p), 8979, 898I(p), 8994, 8995, 8998, 9002(p), 9029, 9I24, 9220, 9568, 97II, I00I4, I00I7(o), I0092, I0757, I0886, I0888, I0892, II334, II537, II980, II997, I2004, I2I53, I2669, I27I0, I289I, I2892, I2898, I3I60, I3I62, I3I64, I3353, I3649, I3706
- var. borealis (Bail.) Cl. 98I9, I00I7(o)
- var. oculus iridis 972I
- var. typicus A.Cl. I27I0
palaeaceus Rattr. 8990, I0978, I0982
payeri Grun. 7I9[illegible], 7287, 7492, 7497, 7699, 7824, 7826, 7973, 8355, 8370, 845I, 8738, 8972, 9952(p), I0384, I0579, I0683, I0939, II067, II3II, I2039, I3367, I3707, I375I
- var. continuus Streln. 8364, I2527(o,p)
- var. impressus Streln. I2527(o,p)
- var. payeri 7829, 8364(p), II334
- var. subrepletus Grun. 7827, 7829, 8364, II3II, II334, I375I
perforatus Ehr. 7530, 7868, 7869, 8254, 896I(p), 8976(p), 8979, 898I(p), 8994, 9I24, 9I95, 9220, 9223, 97II, I0280, I0332, I039I, I0462, I0475, II279, II980, I2365, I3I60, I3I6I, I3I64, I3I65, I3724
- var. cellulosus Grun. 896I, 9220, II334, II537
- f. fossilis Jousé 8II0, I3I7I
- var. pavillardii (Forti) Hust. 7350, 7354, 896I, 9220, I0280
- var. perforatus 7348, 7350, 735I, 7354, 896I, I2898

plicatus Grun. 7973, I0978, I3I60
- var. hyperboreus (Grun.) Cl. 8738
polyactis A.Cl. 8355, I0939, II334, I2039
praelineatus Jousé 8993(o,p), 97I3
proximus Makar. I0I02, I046I(o,p), I0470, I0474
pseudodenticulatus Hust. 7735(p)
radiatus Ehr. 7348-7352, 7354, 7492, 7497, 753I, 7532, 7534(o), 7536, 7597, 7826, 8253, 8254, 8355, 8364, 8365, 8370, 845I, 8738, 8739, 8763, 8780, 8784, 896I, 8976(p), 8977(p), 8979, 898I(p), 8982, 8994, 8995, 8999, 9002(p), 9029, 9I24, 9220, 9568, 96I9, 97II-97I3, 97I6, 98I0, 9873, 9874, 9952(p), 9976, I0280, I04I4, I0463, I0475, I0939, I0982, III68, II334, II9I0, II980, II997, I2004, I2365, I2892, I3I62, I3353, I3369, I3478, I3649, I3756(o,p)
ritscheri Hust. 9000(o,p), 9703(p), 97II
robustus Grev. I3I62, I3I7I
rothii (Ehr.) Grun. 898I, 9357, I3I62, I3353
- var. minor Grun. 8738, 898I, I375I
- var. rothii 972I
- var. subsalsus (Dannf.) Hust. 7597
secernendus A.S. 972I
septentrionalis Grun. 9258
sexradiatus Jousé 9952
sibericus Tscher. I3I70
simbirskianus Grun. II334
steinyi Hanna I2534
stellaris Roper 7287, 7530-7532, 7826, 82II, 8254, 8976(p), 8977(p), 8979, 898I(p), 8994, 8995, 9002(p), 97I6, I0939, II3II, II980, I2892, I3353, I3649
- var. symbolophorus (Grun.) Jörg. 7287, 7826, 8II0, 8422, 898I, 9952, I037I, I0462(o,p), II334, I3I62, I3I63, I3I7I, I3353, I3363(p), I3707
subbulliens Jörg. 7952, 9I24, I3I60
sublineatus Grun. 7869, 8370, 8737, 8738, II997, I2892, I3I60, I3I62, I3I7I, I3353
subsalsus Dannf. 898I, 92I4, 9720, I27I0
subtilis Ehr. 7950, 7954, 8364(p), 8738, 878I, 898I, 9220, II537
- var. normanii (Greg.) V.H. I2680
succinctus Sheshuk. et Gles. 8365, 8370(p), I3364(o,p)
symbolophorus Grun. 7493, 82I9, 8364, 9000(o,p), 9002, 9703(p), 9704, 9705(p), 97II, 9720, 972I, 9873, 9874, I033I, I0332, I2529, I2536, I32I6, I3358, I3362
tabularis Grun. 8977(p), 898I, 9000(o,p), 9002, 9703(p), 9704, 9705(p), 97II(p), 97I6, I033I, I0332, I3649
- var. egregius Hust. 7530, 753I, 898I
tangentalicus I0332
temperei Brun 7829, 8432, 898I(p), I3I7I, I3353
tener Rub. I2036(o,p), I2037
trapeziformis Rub. I2036, I2037(o,p)
- var. grandis Rub. I2038
- var. trapeziformis I2038
tuberculatus Grev. 8982, 8990, 9704, 9705, I0978, I0982
tubiformis Temp. et Brun I3353
tumidus Jan. 9000(o,p), 9002, 9703, 9705, 97II, 97I6, I033I, I3649

- f. fasciculatus Rattr. 9703, 9705(p)
uralensis Jousé 7I90, 7824, 7826, 7827, 990I, 9952(p), II067, II334, I2039, I32I6, I330I, I3369, I3707
vigilans A.S. 8990, 97I0, 97II, 97I3, I0978, I0982
wailesii Gran et Angst 753I, 82II, 8979, 898I, 899I, 8994, 8995, 8999, 9002, I0092, II980
yabei Kanaya 8990, 8994, 97II, 97I3(p), I0982
Concinosira Gran
sp. sp. 9959, II40I
antarctica Kozlova 9000(o,p), 9703(o,p), 9705(p), 9707(o,p), 97II, 97I6, I3649
oestrupii Ostf. 9220
polychorda Gran 7530, 7952, 7954, 82II, 8387, 898I(p), 9002, 9029, 9747, 9805, I00I7(o), I0384, I0388, I089I, I0892, III68, II994, II997, I2004, I2006, I289I, I2892, I2956
Cosmarium Ralfs
sp. sp. 7080, 7082, 7I73, 7I85, 72I5, 7222, 7249, 7250, 7296, 7303, 7400, 7438(p), 7462, 7469, 7506, 7732, 7777, 7799, 7806, 7984, 8023, 8038, 8300, 830I, 8725, 8904, 89I2, 89I6, 89I7, 89I9, 90I9, 9053, 9I04, 9I06, 9I34, 9I35, 9I49, 9I5I, 9257, 9289, 9340, 9500, 950I, 9503, 9504, 9568, 9648, 9649, 9664, 9674, 9687, 9694, 9725, 9748(o,p), 9749(o,p), 975I, 9752, 988I, 9944, 9959, I0008, I0046, I0048, I0I04, I0II3, I0I94, I024I, I0242, I0245, I0246, I0280, I0286, I0549, I0646, I07I5, I0822, I0997, II077, III0I, IIIII, III98, II299, II45I, II537, II583, II670, II672, II673, II690, II792, II866, II88I, II93I, I2076, I2I75, I2I95, I2236, I2320, I2324, I2327, I2344, I2346, I2347, I2350, I2408, I2477, I2478, I2572, I2577, I2578, I2580, I2667, I2747, I2905, I2933, I2935, I2938, I2939, I2949, I3009-I30II, I30I3, I30I4, I306I, I3I99, I3200, I3202, I3245, I3249, I327I, I3272, I3279, I3287, I3294, I3403, I3453, I3497, I3499, I3502, I3504, I35I9, I3522, I3583, I3594-I3595, I3646, I3689, I3704, I3730, I3736
abbreviatum Racib. 9749(o,p), I0I60, II88I, I3249
- var. planctonicum W. et G.S.West 8700(p), II45I, II452, II455
abruptum Lund. I0975, I2364
adoxum W. et G.S.West 980I, I0I53, I0548
alatum Kirchn. I0I53
- var. aequatoriense Nordst. I095I
alpinum Racib. I0I60
amoenum Bréb. I0I57-I0I60, I0I62
amphichondrum Skuja I0I60
anceps Lund. I0033, I0035, I0I60, I2479(o)
angulosum Bréb. 9662(o,p), 980I, I0I49, I0644, I0955, I35I7(o), I3526
- var. angulosum I0I60
- var. concinnum (Rabenh.) W. et G.S.West I0I50, I0I60, I3246
annulatum (Näg.) De Bary I0I60
asphaerosporum Nordst. I0035
- var. atrigosum Nordst. I0080, I0I69(p)
bicardia var. latius Gutw. I2680, I3057
binodulum Reinsch 8725, I353I
binum Nordst. 8038, 9024, 9478, 9944, I0I60, I3654
bioculatum Bréb. 72I5, 9024, 9478, 9662(o), 9749(o), I0I59, I0548, II866, I2479(o), I3249, I35I7, I3520
- var. bioculatum I0I60
- f. depressum Schaarschm. I0080, I3246
- var. hians W. et G.S.West 9298, I0I60, II292
bipapillatum W. et G.S.West I0I50
bipunctatum Börg. I0I60
bireme Nordst. 9024, 9433-9434, 9662(o), I0I60, III90(o), I2680, I3654
biretum Bréb. 9649
- var. biretum I0I60
- var. trigibberum Nordst. I0I49, I0I60, III90(o), I2479(o)
blyttii Wille 7676, 80I6, 8038, 9024, I0I33, I0I34(o), I0I49, I0I52, I0I53, III90(o)
- var. blyttii I0I60
- var. novae-sylvae W. et G.S.West I0I60
boeckii Wille 9662(o), I0I57, I0I59, I0I60, I0I62
botrytis Menegh. 7250, 7294, 7462, 7469, 7702, 8038, 8098, 8266, 830I, 8303, 8307, 8725, 8778(o), 89I2, 9292, 9478, 9492, 9662(o,p), 9748, 9749(o,p), 975I, 980I, I0074, I0080, I0II3, I0I33, I0I34(o), I0I50, I0I52, I02I8, I0220, I0280, I0646, I0975, II292, II866, II88I, II930, I2049, I2364, I2479(o), I2482, I2550, I2680, I2906, I3027, I3482, I3524
- var. botrytis I0I60
- var. depressum W. et G.S.West I0I60
- var. emarginatum Hansg. I0080
- var. gemmiferum (Bréb.) Nordst. I0I60, I2667(o)
- var. mediolaeve West 9662(o), I0I60, I35I7(o)
- var. subtumidum Wittr. 9662(o,p), 975I, 980I, I0080
- var. tumidum Wolle I0077, I0080, I0082, I0I60
braunii (Reinsch) Wolle I0I60
- var. pseudoregnellii Messik. I0220
brebissonii Menegh. 945I, I0I60
broomei Thw. I0I60
caelatum Ralfs 9748(o), I2667(o)
- var. hexagonum West I0I60, I3654
- var. spectabile Nordst. I0033
calcareum Wittr. 7702, 800I, I0I48, I35I7(o), I3526
capitulum Roy et Biss. I0I5I, I0I60
circulare Reinsch 945I, I0I34(o,p), I0I60, I0I62, II029
clepsydra Nordst. I3526
concinnum (Rabenh.) Reinsch I0I60
connatum Bréb. I0I57-I0I59, I3249
- var. connatum I0I60
- var. truncatum West I0I60
conspersum Ralfs var. conspersum I0I60
- var. latum (Bréb.) W. et G.S.West I0I60
- var. subrotundatum West I0I60
constrictum Delp. I0I60
contractum Kirchn. 8038, 8725, 9568, 9749(p), I0033, I0I59, II292, II88I, I2680, I35I7(o), I3520, I3526, I353I
- var. contractum f. contractum I0I60
- - f. jacobsenii (Roy) W. et G.S.West I0I60
- var. ellipsoideum (Elfv.) W. et G.S.West 8038, 9662(o), 9749(o), 9932, I0I34(o,p), I0I60, I0309, I35I7
- - f. minus Racib. I0956

- var. jacobsenii (Roy) W. et G.S.West 8038
- f. jacobsenii (Roy) W. et G.S.West 9662(o), 9882, I363I
- var. minutum (Delp.) W. et G.S.West I0I60
controversum West I0I60
costatum Nordst. I0I60, I0548
crenatum Ralfs 9649, 9662(o), 9749(o,p), 980I, I0I60, I0646, I0956, I3657
crenulatum Näg. I3594-I3595
cucumis (Corda) Ralfs 8266, I0I60, I327I
cucurbita Breb. I2049, I2050, I2393, I2667(o), I35I7(o)
- var. attenuatum G.S.West I0I69(p)
- f. latius W. et G.S.West I3453
cucurbitinum (Biss.) Lütkem. I2667(o)
curtum f. minus Wille IIII7
cyclicum var. arcticum Nordst. I0033, I0035, I0I60, I3654
- var. nordstedtianum (Reinsch) W. et G.S.West I0I60
cymatopleurum var. archerii (Roy et Biss.) W. et G.S.West I0I60
- var. cymatopleurum I0I60
- var. tyrolicum Nordst. I0I60, I2667(o)
debaryi Arch. 830I, 9749(o,p), I0I57-I0I60, I2667(o)
denticulatum Bréb. 8555
depressum (Näg.) Lund. 7249, 8038, 8700, 9478, 9568, 9662(o,p), I0II3, I20I8, I3526
- var. achondrum (Boldt) W. et G.S.West 9748(o), I0I60, I0220
- var. depressum 945I, I0I60, I0220
- var. planctonicum Reverd. I0I60-I0I62
depsudra I0I50
didymochondrum Nordst. I0I60
didymoprotupsum West II292
difficile Lütkem. 9024, 9748(o), I0I57-I0I59
- var. difficile I0I60
- var. sublaeve Lütkem. I0I60
dorsidentiferum W. et G.S.West I0080
eductum Roy et Biss. I0I60, I0I62
elegantissimum Lund. I0I60
elfvingii Racib. I0I60
entochondrum W. et G.S.West I0I60
etchachanense Roy et Biss. I0I60, I0956, I35I7(o)
exiguum Arch. 8038, I0I34(o), I0I50, I0I52, I0I60
faseolus var. elevatum Nordst. 8700(p)
fastidiosum W. et G.S.West I0I60, I02I8
foersteri Schmidle I0I60
fontigenum Nordst. I0II3, I30I3
formosulum Hoff. 8303, 8306-8308, 8570, 9662(o), I0I50, I02I8, I0220, II292, I2364, I3529
- var. formosum 8304, I0I60
- var. nathorstii (Boldt) W. et G.S.West 8304, 9478, I0I60
furcatospermum W. et G.S.West I0I49
galeritum Nordst. 8038, II292
garrolense Roy et Biss. I0033
geminatum Lund. I0I60
globosum Bulnh. 945I, 9662(o), I0I60
gonioides W. et G.S.West I0I60
granatoides Schmidle I0I60
granatum Bréb. 7049, 7984, 800I, 8038, 830I, 8303, 8725, 8890,

9I08, 9298, 9476, 9478, 9649, 9662(o,p), 9748(o,p), 9894, I0077, I0082, I0I34(o), I0I57-I0I59, I02I8, I0220, I0548, I0644, I082I, I0959, I0975, III90(o), II292, II932, I2I24, I2680, I3I77, I3I78, I3246, I3249, I3294, I3482, I3499, I35II, I35I4, I35I7(p), I35I9, I3520, I3522, I3524-I3526, I3528, I3530, I353I
- var. concavum Lagerh. I0I60
- var. depressum Strøm I3482
- var. elongatum Nordst. 9662(p), I0I60
- var. granatum 8306, I0I60
- var. subgranatum Nordst. 8038, 8306, 8890, 9024, 9662(o), 9882, I0I60, III90(o), I2680, I3482
granulatum Bréb. 9894, I0I60, I0I62
hammeri Reinsch 9749(o,p), 975I, IIII7, I2479(o), I276I, I2762, I327I
- var. homalodermum (Nordst) W. et G.S.West I0035
hexalobum Nordst. I0035
holmiense Lund. var. holmiense I0I60, I3654
- var. integrum Lund. I0I60, I3654
hornavanense Gutw. I2680
humile (Gay) Nordst. 9694, I0I33, I0I57-I0I59, I0I62, I363I, I3657
- var. danicum (Börg.) Schmidle 8038
- var. glabrum Gutw. 8700(p), 9662(o), 9694, I0I60, I2479(o), I35I7, I3526
- var. humile I0I60, I02I8, I0220, I2479(o)
- f. humile I0I34(o)
- var. striatum (Boldt) Schmidle 9662(o), I0I60, I0I34(o), I02I8, I0220, I0975, I35I7(o)
- var. substriatum (Nordst.) Schmidle II292
impressulum Elfv. 8038, 8700(p), 9024, 9298, 9357, 9649, 9662(o,p), 9749(o), 975I, 980I, I0I57-I0I60, I02I8, I0220, I0548, III90(o), II292, II455, I2579, I3499, I35I7(o), I3522
inconspicuum W. et G.S.West I0I60, I2680
incurvum Skuja 7702
isthmochondrum var. pergranulatum W. et G.S.West I35I7(o), I3526
kjellmanii Wille I0956
- var. ornatum Wille 9882
laeve Rabenh. 800I, 8038, 8303, 8307, 8308, 8778(o), 8890, 9357, 9478, 9649, 9662(o,p), 9666, 980I, I0080, I0I33, I0I34(o), I0I48, I0I62, I02I8, I0220, I0956, III84, III90(o), I2I22, I2680, I3482, I35II, I35I7(o), I3522, I3530
- var. cymatium W. et G.S.West I0I60
- var. laeve 8304, I0I60
- var. octangulare (Wille) W. et G.S.West I35I4, I3535
- var. septentrionale Wille 8304, 9694, I0I34(o,p), I0I60, II720, I35I7
- var. tumidum W. et G.S.West I3520, I3522
- var. undulatum Schmidle I0I60
latifrons Lund. I0I60
lineatum Ehr. I2762
lobulatum Schmidle 7984
logiense Biss. 9882, I0956, I35I7(o)
lundellii Delp. I0I34(o), I0I60, II292
magnificum Nordst. I0I60

margaritatum (Lund.) Roy et Biss. I0I33, I0I34(o), I0I60
margaritiferum Menegh. 7462, 7469, 7507, 7626, 7984, 800I, 8308, 8554, 8555, 9289, 950I, 9662(o), 9749(o), 980I, 9932, 9959, I0033, I0080, I0I33, I0I62, I0646, I0955, I0956, II866, I2393, I2479(o), I2482, I2667(o), I3482
- f. margaritiferum I0I34(o)
- f. regularior Nordst. I0I34(o,p)
meneghinii Bréb. 7702, 8038, 8570, 8890, 9292, 9298, 9478, 9662(o), 980I, 9894, I0080, I0II3, I0I49, I0I52, I0I53, I0I60, I02I8, I0220, I0955, I0956, I0975, I2479(o), I2482, I3246, I327I, I3294, I3499, I35I7(o)
microsphinctum Nordst. I0I60
- var. crispulum Nordst. I0035
- var. groenlandicum I0035
mikulowiczii Skuja I0I60, I0I62
minimum W. et G.S.West I2680
- var. rotundatum Messik. I2680
- - f. clausum Grönbl. 8725, I353I
moniliforme (Turp.) Ralfs 800I, 90I8(o), 90I9, I0080, I0I34(o), I082I, III28
- f. moniliforme 9662(o), I0I60
- var. panduriforme Heimerl I35I7(o)
- f. panduriforme Heimerl 9648, 9662(o,p), I0956
- f. punctatum Lagerh. I0I60
monomazum var. polymazum Nordst. I0I34(o,p)
mutatum Grönbl. I0I60
naegelianum Bréb. 9662(o), I0I60, I2479(o), I3246
nasutum Nordst. I0035, I2667(o)
- var. granulatum Nordst. I0033, I2667(o)
- f. granulatum Nordst. I0I60, I3654
- var. nasutum I0033
nitidulum De Not. 7227, I0I60, I02I8, I0220
notabile Bréb. II866, I2479(o)
- f. medium Gutw. I0I60
- f. notabile I0I60
novae-semliae Wille I0035
obliquum Nordst. I0I60
obsoletum (Hantzsch) Reinsch 762I, 9749(o), I2479(o)
- var. sitvense Gutw. I0I60
obtusatum Schmidle 8038, 9024, 9649, 9662(o), I0I29, I0I34(o), I0I60, III90(o), II292, I2667(o,p), I35I7(o)
- var. beanlandii W. et G.S.West I3246, I35I7
ochthodes Nordst. 7048, 7050, 7294, 7507, 8725, 9478, 9662(o), 9748, 9749(o,p), 9932, I0866, I0956, II930, I2479(o), I2482, I2657(o), I2667(o)
- var. amoebum West I0I60
- var. ochthodes I0I60
ornatum Ralfs 800I, 9242, 9749(o,p), 9932, I0080, I0I57-I0I60, II292
orthostichum Lund. II292
- var. pumilum Lund. 9882
ovale Ralfs I0I60, I0I62
pachydermum Lund. 8859, 9024, 9662(o,p), 9687, 980I, I0I57, I0I59, I0I60, I02I8, I0975, I2667(o), I327I
- var. aethiopicum W. et G.S.West 9748, III90(o)

paragranatoides Skuja I0I60
perforatum Lund. I0I60
- var. perforatum I0I34(o)
- var. rauchii Ducell. I0I34(o,p)
- var. skujae Grönbl. I0I34(o,p)
perpusillum West 9662(o)
petsamoënse Cederc. I0033, I0035
phaseolus Bréb. 8038, 9298, 9749(o), I02I8, I0220, I2347, I2479(o), I3482, I3499, I35I7(o)
- var. elevatum Nordst. I35I7
- f. minus Boldt I0I60
- f. phaseolus I0I60
pokornyanum (Grun.) W. et G.S.West I0I60
polygonum (Näg.) Arch. 9882
portianum Arch. 8308, 9242, 9649, I0I34(o), I0I59, I0I60, I0309, III90(o), II292, I3249
- var. nephroideum Wittr. 9662(o), III90(o)
- var. portianum 9662(o,p)
praegrande Lund. I0I60
praemorsum Bréb. I0I60, I2479(o)
protractum (Näg.) De Bary 9024, 9748, I0I34(o), I0I60, I02I8, I0220, I2479(o), I2482
protuberans Lund. 980I, I0I60
pseudamoenum Wille I0I60
pseudarctoum Nordst. I0I60, I0548
pseudobotrytis Gay I0I60
pseudobroomei Wolle I0I60
- var. convexum W. et G.S.West I0548
pseudoexiguum Racib. I0I60
pseudoholmii Borge 8700(p), I0035, I02I8, I0220, II45I, II455
pseudoprotuberans Kirchn. I0I50, I0I60
pseudopyramidatum Lund. I0I60, I3482
punctatum Bréb. 9666
punctulatum Bréb. 800I, 8038, 8303, 8308, 8700(p), 9024, 9478, 980I, I02I8, I0220, I2479(o), I2680
- var. granulusculum (Roy et Biss.) W. et G.S.West I0I60, I3246
- var. punctulatum 8304, 8306, I0I60
- var. rotundatum Kleba 975I
- var. subpunctulatum (Nordst.) Börg. 8304, 8306, 9649, 9662(o), 975I, I0I33, I0I34(o), I0I60, I0I62, I0244, II292, I2482, I35I7(o)
pusillum (Bréb.) Arch. I0I33, I0I34(o)
pygmaeum Arch. 8038, 9662(o), 9749(o,p), 9882, I0I60, I0220, II866, I3526
pyramidatum Bréb. I0I60, I2667(o)
quadratum Ralfs 8038, 9749(o), I0I58, I0I59, I0975, II866, I2667(o), I3544
- f. quadratum I0I60
- f. willei W. et G.S.West I0I60
quadrum Lund. 8038, 9662(o), I0I60
quasillus Lund. I0I60
raciborskii Lagerh. I0I60
rectangulare Grun. 72I5, 9024, 9662(o), I0I50, I0956, III90(o), I2657(o)

- var. hexagonum (Elfv.) W. et G.S.West I0I34(o), I0I60, I2479(o)
- var. rectangulare I0I60
regnellii Wille 9749(o), I0I34(o), I0I60, III90(o), I3482
regnesii Reinsch I0I34(o), I0I60
- var. montanum Schmidle 8700, I22I7
reniforme (Ralfs) Arch. 800I, 8038, 8098*, 8308, 8700, 9080, 9I08, 945I, 9478, 9648, 9649, 9749(o), 980I, I0077, I0080, I0082, I0I57-I0I59, I0I62, I0II3, I02I8, I0220, I0548, III90(o), II292, II45I, I2479(o), I2579, I3482, I3499, I35I7, I3679
- var. apertum W. et G.S.West I3482
- var. compressum Nordst. 8700, 9662(o), I0080, I0I60, I35I7(o), I3529
- var. reniforme 9662(o), I0I60
repandum f. minus W. et G.S.West 9662(o,p)
retusiforme (Wille) Gutw. I0I60, I2479(o)
retusum (Perty) Rabenh. 8553, 8554
- var. angustatum Nordst. I3246
scopulorum Borge I0I60, I0I62
sexangulare Lund. 800I, 9662(o)
- f. minimum Nordst. 800I, I0644
sexnotatum Gutw. 7676, I0I52
- var. tristriatum (Lütkem.) Schmidle I0I53, I3246, I3249, I35I7(o)
sinostegos var. obtusius Gutw. I0I60
sinuosum Lund. I0I60
smolandicum Lund. I0I60
speciosum Lund. I0033
- var. biforme Nordst. I0I60
- var. rostafinskii (Gutw.) W. et G.S.West I0I60
- var. simplex Nordst. I0I60
- var. speciosum I0I60
sphaeroideum West I0I60
sphagnicolum W. et G.S.West I0I60
subarctoum (Lagerh.) Racib. 9749(o), I2667(o,p), I35I7(o)
subbroomei Schmidle I0I60
subcostatum Nordst. 9024, 9662(o), I02I8, I0548, I3294, I35I7(o), I3526
- var. beckii (Gutw.) W. et G.S.West I0I60, I2020
- f. minus W. et G.S.West I0220
- var. subcostatum f. minus W. et G.S.West I0I60
- - f. subcostatum I0I60
- var. tristriatum (Lütkem.) Schmidle I0I48
subcrenatum Hantzsch 8307, 8308, 9478, 9662(o), 9666, 9694, 975I, I0I29, I0I34(o), I0I60, I0548, II88I, I35I7(o), I3526
subcucumis Schmidle I0I60, I2667(o)
subdeplanatum Schmidle I2020, I353I
subexcavatum W. et G.S.West I0I60, II292
subprotumidum Nordst. 9357, 9662(o), 975I, I0048, I0I34(o,p), I0I49, I0I59, I0I69, I0244, I0975, III90(o), II292, I2667(o), I3526, I3529
- var. gregorii (Roy et Biss.) W. et G.S.West 8725, I0I60, I02I8, I0220, II292, I2680
- var. subprotumidum I0I60

subreinschii Schmidle I0I60
subreniforme Nordst. 9478, 9894
subspeciosum var. validius Nordst. I0I60
subtumidum Nordst. 9292, 9662(o,p), 980I, I0I69(p), I0646, I0959, III90(o), II292, II88I, I2479(o), I3246, I3249, I3250, I3526
- var. klebsii (Gutw.) W. et G.S.West 8038, I0I60
- var. subtumidum I0I60
subundulatum Wille I0035, I0I60
succisum West 7702*, I0I60
sympathicus Tarn. I2667(o,p)
taxichondriforme Eichl. et Gutw. 9749(p)
tenue Arch. I0I60, I0956, II866, I2579, I3246
terebriferum Schröd. 980I
tesselatum (Delp.) Nordst. I0I60
tetragonum var. davidsonii (Roy et Biss.) W. et G.S.West I0I60
tetraophthalmum Bréb. I0I34(o,p), I0I57, I0I59, I0I60, I02I8, I0220, I0548, I0956
thwaitesii Ralfs I0I60
tinctum Ralfs 90I8(o), I0I60
trachypleurum Lund. I3499, I35I7(o)
trilobatum II866
trilobulatum var. printzii Messik. I0I60
truncatellum (Perty) Rabenh. I0I60, II292, I2579, I3482
tuberiferum M.Schm. I0I60
tumens Nordst. 980I, I0I5I, I0I53, I0I60
tumidum Lund. I0I60, I3249
turgidum Bréb. 9298, 9446, I2667(o)
turpinii Bréb. 7294, 7507, 762I, 800I, 8038, 830I, 8303, 8570, 9024, 9476, 9478, 958I, 9648, 9748(o,p), 9749(o,p), 980I, 9894, 9932, I0077, I0080, I0082, I0I34(o), I0I5I, I02I8, I0220, I0956, III90(o), II292, II866, II88I, I3I78, I3583
- var. eximium W. et G.S.West 800I, I0080, I0I60
- var. podolicum Gutw. 9662(o), I0008, I0080, I0I60, III90(o), I3522
- var. turpinii 9662(o), I0I60
umbilicatum Lütkem. I0080, I0I60, I0548
undulatum Ralfs 72I9, 7227, 7294, 7296, 7620, 762I, 7626, 8700, 8859, 9292, 9476, 9478, 980I, 9932, I02I8, I0646, I0870, II88I, II932, I2364, I2393, I27I0, I3I77, I3I78, I3586, I3642
- var. crenulatum (Näg.) Wittr. 9478, I0I60, I2I22
- var. minutum Wittr. 9024, I0I33, I0I34(o), I0I60, I2479(o)
- var. undulatum I0I60
- var. wollei West I0548, III90(o)
venus Kütz. 9289
venustum (Bréb.) Arch. 800I, 8778(o), 9662(o), 9749(o,p), 980I, I0548, II292, II866, I2I22, I276I, I2762, I327I
- var. excavatum f. duplamajus Gutw. I2667(o)
- var. hypohexagonum West I0I60, I0548
- f. majus Wittr. I35I7(o)
- f. minus Wille I35I7
- var. venustum f. minus Wille I0I60
- - f. venustum I0I60
vexatum West 8725, 9662(o), 9748(o), 98CI, I0I53, I0I60, I0244, I0248, I0548, I0955, I0956, I2680, I35I7(o), I3522, I3526

- var. lacustre Messik. 7049, 7050
viride f. minus West 9446
wittrockii Lund. 8001, 8700, 9478
- var. quasidepressum Skuja I0160
- var. wittrockii I0160
zonatum Lund. I0160
Cosmiodiscus Grev.
sp. sp. I3167
convexus 8981
insignis Jousé 8978(o,p), 8981(p), 9721, 9873, 9874, I0332, I3358, I3362
intersectus (Brun) Jousé 8978(o), 8981(p), 9721(p), 9873, 9874, I3358, I3362
spinosus Lisitzyn I0332
Cosmocladium Bréb.
sp. sp. 8038, 9944, I0276, I0280
constrictum Arch. I0160
pulchellum Bréb. I0821, I0975
pusillum Hilse 9643, 9662(o), I0160
saxonicum De Bary I0149, I0160
Costaria Grev.
sp. sp. 8063, 9156, I2572, I2603, I2605, I2608, I3401
costata (Turn.) Saund. 7636, 8054, 8591, 8592, 9124, II201, II384, I2064, I2604, I2606, I2607, I2609, I3260, I3633, I3720
Costularia Ju.Petr. et I.Guss.
kurilensis Ju.Petr. et I.Guss. 8640(o,p)
Craspedodiscus Ehr.
sp. sp. 8990, 9941
coscinodiscus Ehr. 8990, 8994, 9720, II334, I3369
klavsenii Grundler I3369
moelleri A.S. 8364, 8990, 9952, II334, I2039, I3301
- f. maicopensis Sheshuk. et Gles. 9720, I3363(o,p)
oblongus (Grev.) Hanna et Brigger 8990
Crassiradiatus Schamr.
clavulatus Gorgul. 8472
crenatus Schamr. I3297(o,p), I3474
forticatus Schamr. I3297(o,p)
hastatus Schamr. I3297(o,p), I3474
muticis Schamr. I3300(p)
Cretarhabdus Braml. et Mart.
sp. sp. I3473
anthophorus Defl. I0428(p), I0430
conicus Braml. et Mart. I0428, I0430, I0434, I3472
crenulatus Braml. et Mart. I3469
decorus Defl. I0427(p), I0428, I0430, I0433, I0434
decussatus Maniv. I0428
imbricis Schumenko I3469, I3473(o,p)
rarus Luljewa I0427(o,p), I0433, I0434
regularis Górka I0428, I0430
splendens Defl. I0427(p), I0433, I3469
Cribroperidinium Neale et Sarj.
sepimentum Neale et Sarj. 8048-8049(o,p)
Cribrosphaera Arkh.
pohalekii Reinh. I3466

Cribrosphaerella Defl.
arkhangelskii Schumenko I3469, I3472
ehrenbergii (Arkh.) Defl. 7824, I0428, I0430, I0433, I3472
murrayi (Arkh.) Defl. 7824
numerosa (Górka) Reinh. I3472
pohalekii Reinh. I3469
polygonata Górka I0428, I0430
Cribrosus Schamr.
complicatus (Schamr.) Laz. 8472, I3298(p), I3300(p)
ellipticus Laz. I3300(p)
florosimilis Orech. II257(o,p)
undatus Orech. II257(o,p)
Croftiella H. af R.
escheri (Ung.) H. af R. II098
Crossocarpus Rupr.
sp. sp. 8073
lamuticus Rupr. 7612-7614, 8070
Crouania J.Ag.
attenuata (Born.) J.Ag. 8054
Crucigenia Morren
sp. sp. 7102, 7103, 7471, 7623, 8038, 8258, 8912, 8939, 9149, 9220, 9433-9434, 9500, 9752, I0008, I0080, I0651, II673, II737, I2236, I2327, I2382, I2477, I2578, I2833, I2940, I3246, I3266, I3267, I3520, I3736, I3749
apiculata (Lemm.) Schmidle 7105, 7227, 8001, 8038, 9220, 9252, 9340, 9801, I0008, I0046, I0133, I0317, II792, I2331, I2482, I3026, I3246, I3271, I3272, I3274, I3279
emarginata (W. et G.S.West) Schmidle 8877, 8879, I0080, I3373, I3713
fenestrata Schmidle 8001, 8038, 8197, 8879, 9012, 9340, 9751, 9801, I0008, I0077, I0080, I0082, I0231, I0363, I0646, I0866, III85, II673, II736, I3202, I3245, I3246, I3249, I3281, I3747
irregularis Wille 8001, 8038, 8700, 8859, 8904, 8914, 9024, 9133, 9220, 9289, 9649, 9749(o), 9751, 9752, 9801, 9819, 9864, I0042, I0113, I0133, I0220, I0309, I0363, I0646, III28, II537, II673, II736, I2175, I2331, I2482, I2863, I3012, I3199, I3246, I3269, I3271, I3273, I3274, I3279, I3535, I3586, I3653, I3704
lauterbornii (Schmidle) Korsch. 8001, 9801, 9944, I0008, I0046, II859, II866, II967, I2932, I3271, I3272
moniliformis I.Kiss. I3689
quadrata Morren 7250, 7465, 7757, 7806, 7992, 8001, 8038, 8106, 8310, 8521, 8604, 8700, 8914, 8915, 8919, 8940, 9018(o), 9133, 9242, 9252, 9289, 9292, 9340, 9801, 9932, I0008, I0044, I0046, I0077, I0079, I0080, I0082, I0133, I0218, I0220, I0231, I0292, I0363, I0364, I0646, I0690, I0741, I0866, III17, III58, III98, II223, II451, II537, II672, II673, II697, II736, II739, II881, II967, I2324, I2327, I2331, I2336, I2414, I2419, I2421, I2478, I2482, I2504, I2505, I2576, I2577, I2579, I2580, I2932, I3026, I3127, I3148, I3177, I3178, I3246, I3249, I3271, I3273, I3274, I3281, I3287, I3294, I3373, I3527, I3594-I3595, I3642, I3689
- var. octogona Schmidle 8904, 8905, 8907-8910, I0080
rectangularis (A.Br.) Gay 7082, 7249, 7303, 7465, 7593, 7626-

7628, 8001, 8038, 8310, 8873, 9108, 9220, 9252, 9289, 9501, 9568, 9801, 10008, 10077, 10079, 10080, 10082, 10085, 10133, 10220, 10231, 10646, 10866, 10956, 11184, 11186, 11190(o), 11537, 11583, 11585, 11672, 11736, 11739, 11859, 11864, 11881, 12049, 12075, 12122, 12124, 12357, 12579, 13026, 13177, 13178, 13197, 13202, 13246, 13271, 13273, 13294, 13373, 13594-13595, 13631, 13653, 13689, 13713, 13736
- var. irregularis (Wille) Brunnth. 10218, 12645, 12646, 12657(o)
- rectangularis 10218, 12646
reniformis Swir. 9252, 12320, 12327, 12478
tetrapedia (Kirchn.) W. et G.S.West 7103, 7105, 7462, 7465, 7469, 7626, 7806, 7961, 8001, 8038, 8700, 8710, 8859, 8906, 8907, 8909, 8924, 8940, 9133-9135, 9220, 9242, 9340, 9441, 9694, 9752, 9801, 9911, 9912, 9932, 9959, 10007, 10008, 10046, 10077, 10080, 10082, 10218, 10220, 10280, 10363, 10364, 10644, 10646, 10866, 10878, 10905, 11184-11186, 11223, 11455, 11537, 11736, 11864, 11881, 11967, 12327, 12331, 12333, 12336, 12416, 12505, 12577, 12579, 12761, 12762, 13012-13014, 13026, 13061, 13177, 13178, 13246, 13247, 13249, 13250, 13271-13274, 13279, 13281, 13287, 13294, 13642, 13736, 13747
- var. tetrapedia 13586
triangularis Chod. 10080, 11859, 11860, 11864, 13736
Cruoria Fries
sp. sp. 8073
arctica Schmitz 9175
pellita (Lyngb.) Fries 7940, 9152
Cruoriella P.Crouan et H.Crouan
sp. sp. 11410, 11412
armorica Crouan 11409(o)
dubyi (Crouan) Schmitz 8899
Cruoriopsis Dufour
rosenvingii Börg. 9418, 9420
Cryptarchaeodinium Defl.
calcaratum Defl. 8048-8049(o,p)
Cryptochrysis Pasch.
sp. sp. 9686
Cryptoglena Ehr.
pigra Ehr. 8001, 10646, 11866
Cryptomonas Ehr.
sp. sp. 7303, 7472, 7623, 7627, 7969, 8257, 8258, 8264, 8877, 8916, 8917, 8939, 9678, 9681, 9686, 9687, 10008, 10046, 10048, 10114, 10175, 10193, 10210, 10211, 10214, 10362, 10396, 10646, 11537, 11583, 11697, 11739, 11790, 11793, 11794, 12075, 12076, 12175, 12331, 12344, 12347, 12383, 12505, 12591, 12935, 13035, 13246, 13249, 13250, 13266, 13271, 13537, 13631, 13727, 13738, 13740
compressa Pasch. 9294, 9296
erosa Ehr. 7182, 7462, 7469, 7628, 8001, 8038, 8259, 8556, 8719, 8877, 9015, 9053, 9687, 9801, 9882, 10008, 10080, 10082, 10646, 11859, 11864, 11866, 12482, 13009, 13010, 13271, 13273, 13600
flexa Rouch. 12014, 12015(o,p)
marssonii Skuja 7082, 8001, 8719, 10024, 10189, 10192, 10193, 11963, 12122, 12504, 12571, 13526, 13537

obovata Skuja 10177, 12122
ovata Ehr. 7082, 7303, 7469, 7626, 7628, 7732, 8038, 8405, 8719, 8924, 9010, 9292, 9294, 9687, 9752, 9882, 10080, 10082, 10185, 10186, 10189, 10190, 10192-10194, 10646, 10875, 12280, 12504, 12505, 12927, 13540
- var. ovata 7462
pyrenoidifera Geitl. 8719, 9882
reflexa (Marsson) Skuja 9294, 9296, 9687, 10646
rostrata Troitz. 7227, 9687, 10646, 12942(o), 13537
rubra Rouch. 12008(o,p), 12014
salina Wisl. 11537
stigmatica Wisl. 8778(o)
tenuis Pasch. 7676
vulgaris 12014
Cuneatochara Said.
acuminata Said. 9575, 9577(p), 9578, 9579, 10323, 10893, 12096(o,p), 12098, 12100(o,p), 12106, 12107, 12110, 12888
amora Said. 11124, 12110
angusta Said. 10322, 12108(o,p), 12110
bogdoana (Auerbach) Said. 9575, 9578, 9579, 10322, 10323, 12110
capitata Said. et Kis. 9575, 9577(p), 10322, 10323, 12108(o,p), 12110
cuneata Said. 9575, 9578, 9579, 10322, 12098, 12100(o,p), 12106, 12107, 12888
procera Said. 9575, 9576, 9577(p), 9578, 9579, 10323, 12096(p), 12100(o,p), 12106, 12107, 12888
Cuneatus Schamr.
lodoensis Braml. et Ried. 8471, 8472, 13297(o,p), 13298(p), 13300(p)
maculatus Schamr. 13298(p)
membranatus Schamr. 13297(o,p), 13298(p)
monstrosus Schamr. 13298(p)
simplex Schamr. et Laz. 8471, 8472, 11257(o,p), 13297(o,p), 13298(p), 13300(p), 13474
stellaris Orech. 11257(o,p)
tortuosus Schamr. 13298(p), 13300(p)
Curdiea Harv.
racovitzae Hariot. 9165(o)
Cutleria Grev.
sp. sp. 10372
Cyanarcus Pasch.
hamiformis Pasch. 13373
Cyanoderma Web. van Boss.
brachypodus (Kühn) Web. van Boss. 13686
Cyanodictyon Pasch.
reticulatum (Lemm.) Geitl. 9492, 10026, 10133(o)
Cyanotheca Pasch.
longipes Pasch. 12481(o), 12482
Cyanothrix Schmidle
gardneri (Frémy) I.Kiss. 8725, 9649, 9659, 9749(o,p), 10026, 10956, 12091, 12092, 13517, 13518
- f. anabaeniformis I.Kiss. 8725, 13531
- f. caspica I.Kiss. 8035, 8725, 8890, 9649, 9659, 11190(o), 12020, 12090, 12092, 12093, 12195, 13517, 13518

- f. longicellularis Kog. 9645(o,p), 9647, 9649, 9651, 9652, 9659, I3518, I3522
Cyathomonas From.
truncata (Fres.) Fisch 8266
Cyclidiopsis Korsch.
acus Korsch. 7307, 7311, 7315(o,p), 7317, 8001, 8804, II670, I3530
korschikovii Matv. 7317
Cyclococcolithus Kampt.
formosus Kampt. 8538
fragilis (Lohm.) Defl. 7514
leptoporus (Mur., Black.) Kampt.7633, I2921(p), I2922, I3475(o,p)
Cyclocrinus Eichw.
sp. sp. 9823, 9824, 9833
Cyclolithus Kampt. ex Defl.
sp. sp. I2918(p), I3465, I3467
cingulum Kampt. II257(o,p)
granosus Stover I0427(p), I0434
incertus Luljewa I0434(o,p)
mamillatus Orech. II257(o,p)
redimiculatus Stover I0434
Cyclonexis Stokes
annularis Stokes 9687, I0218
Cycloplacolithus Kampt.
laevigatus Kampt. I2921(p)
Cyclotella Kutz.
sp. sp. 7061, 7082, 7096, 7105, 7253, 7295, 7438, 7462, 7472, 7506, 7536, 7626, 7627, 7757, 7805, 7956, 7961, 7984, 8038, 8202, 8228, 8254, 8308, 8310, 8436, 8523, 8543, 8696, 8699, 8707, 8710, 8725, 8760, 8762, 8816, 8877, 8904, 8905, 8907, 8939, 9029, 9054, 9135, 9214, 9220, 9289, 9324, 9361, 9433-9434, 9496, 9499-9501, 9503, 9505, 9572, 9580, 9752, 9820, 9881, 9903, 9904, 9944, 9955, 9959, 9971, 9991, I0006, I0008, I0039-I0041, I0044, I0046, I0077, I0079, I0101, I0102, I0113, I0189, I0190, I0280, I0309, I0339, I0365-I0367, I0549, I0800, I0821, I0841, II078, II083, II663(p), II673, II675, II697, II793, II794, I0840, II842, II881, II930, II933, I2073, I2078, I2128, I2129, I2133, I2134, I2152, I2236, I2324, I2327, I2331, I2333, I2342, I2344, I2369, I2380, I2388, I2414-I2417, I2421, I2440, I2477, I2485, I2544, I2560-I2561, I2563, I2599, I2772, I2863, I2927, I3127, I3171, I3267, I3268, I3272, I3274, I3280, I3283, I3295, I3444, I3447, I3523, I3581, I3583, I3631, I3644, I3645, I3713, I3736
antiqua W.Sm. 8038, 8246, 8976, 9029, 9357, III68, II866, I3354
baikalensis Skv. 7130-7132, 7135, 7137, 7142, 7242, 7243, 7246, 7252, 7489, 7492, 7494, 7799, 8095, 8196, 8976, 9670(o,p), 9671-9674, 9687, 9690, I020I, II094, II672, II673, II675, I2320, I3065, I3169-I3171, I320I, I3756(o,p)
- f. minuta Skv. 7246, I3169, I3170, I3756(o,p)
- f. ornata Skv. 7130-7132, 7135, 7137, 7142, 7246, 7494, I020I, I3169, I3170, I320I, I3756(o,p)
- f. stellata Skv. 7246, I320I, I3756(o,p)
- f. typica Skv. I3756(o,p)
bodanica Eulenst. 7054, 7530, 7973, 8266, 8692, 8694, 8737, 8738,

898I, 9242, 9748(o), 9932, I0955, III26, II694, II866, I3373, I3503, I3504, I351I, I3517(o), I3583, I3668
- var. lemanensis O.Müll. 7973, 9749(o)
caspia Grun. 7130, 7132, 7137, 7349, 7351, 7353, 7517, 7921, 8738, 8752, 8763, 8961(p), 9124, 9211, 9214, 9220, 9222, 9223, 9229, 9232, 9233, 9492, 9619, 9783-9785, 9787, 9789, 9793, I020I, I0276, I0280, I0463, I0473, I0673, I0840, I0846, I0877, I0956, II068, II069, II401-II403, II536, II537, II542, II545-II547, II578, I2130, I3249, I3725
- var. affinis Pr.-Lavr. et Makar. I0470, I0474, I0480(o,p)
castracanae Eulenst. 8207, 8988
catenata Brun II730
comensis Grun. 8976, II694, I3668
comta (Ehr.) Kütz. 7053, 7054, 7215-7220, 7247, 7249, 7250, 7492, 7507, 7530, 7531, 7804, 7877, 7973, 7974, 8038, 8106, 8254, 8266, 8301, 8691, 8692, 8694, 8738, 8781, 8913, 8914, 8960, 8981, 8988, 9000, 9029, 9057, 9085, 9134, 9242, 9258, 9356, 9358, 9360, 9362, 9438, 9439, 9441, 9447(o), 9580, 9717(p), 9819, 9911, 9912, 9932, 9938, 9959, I0080, I0099, I0101, I0113, I0114, I0201, I0202, I0218, I0280, I0309, I0384, I0543, I0869, I0870, I0875, I0876, I0878, I0906, I0928, I0939, I0955, I0956, I0959, I0975, II035, II274, II488, II693, II695, II730, II731, II864, II866, II881, I2049, I2052, I2075, I2320, I2369, I2405, I2482, I2577-I2581, I2710, I2897, I3066, I3117, I3168, I3171, I3202, I3246, I3249, I3354, I3373, I3499, I3503, I3504, I351I, I3514, I3515, I3517(o), I3519, I3520, I3525-I3527, I3529, I3537, I3542, I3546, I3547, I3631(p), I3665, I3668, I3679, I3689, I3704, I3758(o,p)
- var. comta 7053, 7054, 7805, 8423, 8685-8688, 8690, 8691, 8698, 8700(p), 9500, I0008, I0220, III28, III84, III86, III94(o), II451, II455, II694, I2217, I3271
- var. glabriuscula Grun. 7054, 7973, 8038, 8690, 8691, 8700(p), 8739, I2217, I3517(o), I3668
- var. lichvinensis Jousé 9057, I3171
- var. oligactis (Ehr.) Grun. 7054, 7973, 8691, 8700(p), 8976, 9643, 9648, I0220, II451, II694, II695, I2217, I2320, I3246, I3249, I3668
- var. pliocenica Krasske I3164, I3168, I3171
- var. radiosa Grun. 8976
- var. spectabilis A.Cl. 9748(o,p), I0276, I0280
- "morpha" paucipunctata (Grun.) Skabitsch. 9500
distinguenda Hust. 8976
dubia Hilse I3168
frigida A.Cl. 9357
kuetzingiana Thw. 7054, 7155, 7250, 7296, 7297, 7489, 7757, 7973, 7992-7994, 8001, 8038, 8110, 8249, 8266, 8544, 8554, 8557, 8691, 8763, 8781, 8859, 8873, 8874, 8912-8919, 8921, 8923, 8924, 8927, 8976, 9009-9012, 9057, 9059, 9085, 9213, 9220, 9242, 9297, 9356, 9360, 9362, 9441, 9568, 9580, 9687, 9717(p), 9751, 9801, 9932, 9959, I0080, I0041, I0046, I0102, I0105, I0218, I0220, I0241, I0244, I0245, I0362, I0363, I0368, I0543, I0548, I0646, I0741, I0956, II035, II039, III84, II311, II537, II672, II673, II695, II712, II737,

II739, II790, II860, II864, II866, II88I, II930, II932, II933, II935, II967, I2052, I2I25, I2320, I2347, I2363, I24I6, I276I, I2762, I2897, I30I4, I3056, I3I27, I3I48, I3I68, I3I7I, I3I98, I3245, I3246, I3249, I3250, I3266, I3275, I3354, I3373, I3520, I3590, I363I(p), I364I, I3642, I3668, I3689
- var. kuetzingiana 7054, 8690, 8700, 9298, 9444, 9445, I0008, I0044, III28, II694, I3270-I3272, I3274, I3283, I3290
- var. planetophora Fricke 7054, 7I42, 7973, 8700, 8976, 9447(o), II45I, II694, I2I25, I3I68, I320I, I3246, I3249, I3354, I35I7(o)
- var. radiosa Fricke 7054, 7973, 9059, 9298, 9444, 9445, 97I7(p), I024I, I0975, II035, II694, I24I4, I276I, I2762, I30I3, I3I68, I3246, I3249, I3668
- var. schumannii Grun. 7054, 7973, 7974, 8249, 830I, 8685-8687, 8690-8692, 8700(p), 8738, 8739, 878I, II45I, II694, I2I22, I2I25, I22I7, I2405, I3I64, I3I7I, I3246, I3249, I3354, I3668, I3706
melosiroides (Kirchn.) Lemm. II694, I3526, I3668
meneghiniana Kütz. 7054, 7I3I, 7I32, 7I35, 7I39, 7I42, 7I83, 7I87, 7I88, 72I5, 7222, 7226, 7227, 7250, 7469, 7492, 7530, 753I, 7588, 7620-7622, 7805, 7806, 7962, 7973, 7992, 800I, 8034, 8038, 8I06, 8II0, 8254, 8544, 8553, 8555-8557, 8560, 856I, 8604, 8676 8686, 8700, 87I8, 8738, 878I, 8859, 89I3-89I5, 89I7, 8922, 8924, 894I, 896I, 8976, 898I(p), 9000, 9009, 90II, 90I8(o), 9029, 9047, 9057, 9085, 92I3, 92I4, 9220, 9292, 9298, 9324, 9340, 9356, 9357, 9360, 9385, 9444, 9445, 9448, 9453, 950I, 9568, 9580, 9648, 9649, 965I, 9667, 969I, 9694, 97II, 97I7, 975I, 9755, 980I, 98I0, 98I9, 9959, I0008, I004I, I0044, I0046, I0048, I0080, I0I05, I02I8, I0220, I024I, I0244, I0280, I0286, I0363, I0364, I0368, I0393, I0463, I0548, I0646, I0657, I0690, I0822, I0905, I0955, I0956, I0975, I0997, III28, III90(o), III94(p), II225(p), II229, II3II, II45I, II452, II529, II537, II546, II547, II653, II654, II672, II673, II694, II695, II729, II73I, II737, II739, II830, II859, II860, II864, II866, II933, II966, II967, I2095, I2I22, I2I24, I2I25, I22I7, I2272, I2320, I2324, I2327, I233I, I2336, I2347, I2350, I2379, I238I-I2383, I24I6, I2478, I2505, I2649(o), I27I0, I2905, I2906, I2932, I2935, I2937-I2939, I30II-I30I5, I3027, I3056, I3I20, I3I27, I3I29, I3I48, I3I68, I3I77, I3I78, I3200, I3246, I3247, I3249, I3250, I3266, I3269, I3273, I3275, I3283, I3294, I3354, I3373, I3499, I35II, I35I7(o), I3520, I3522, I3524, I3527, I3535-I3537, I3583, I3668, I3736, I3746, I3758(o)
- var. hankensis Skv. 98I9
- var. meneghiniana III84, I3270-I3272, I3274, I3290, I3600
- f. plana Fricke I3746, I3758(o,p)
- f. unipunctata Kütz. 8737, 8738, III85
minuta (Skv.) Antip. 7I30-7I32, 7I35, 7I37, 7I42, 7243, 7246, 7252, 7494, 7799, 8I96, 820I, 8202, 8353, 8976, 9670-9674, 9687, 9690, I020I, II094, II672, II673, II675, I320I
ocellata Pant. 7054, 7254, 7489, 7497, 7530, 7973, 8423(o,p), 869I, 8700, 8784, 8976, 9057, I0099, I0292, I0548, I074I,

I0956, III28, III57, III58, III94(o,p), II3II, II424, II45I, II452, II866, I2I25, I3I68, I3249, I3353, I3354
operculata (Ag.) Kütz. 8038, 97I7, 9748(o,p), I0I53, I0955, I0956, I0959, II932, I2I25, I3373, I35I7(o), I3526, I3668
- var. mesoleia Grun. 9580, II694, I3668
- var. operculata II694
- var. unipunctata Hust. 9580, II694, I3499, I35I7(o), I3526, I3668
planctonica Brunnth. 7054, 7973, 8686, 869I, 8700, II45I, I320I
pygmea Pant. 7489
quadriiuncta (Schröd.) Hust. 7054, 7973, 8687, 869I, 8694, 8700(p), I0077, I0080, I0082, I0202, I0870, I0959, II455, I22I7, I3I68, I3398(o), I3590, I3642
sibirica Skabitsch. I0247, I?334(o,p)
socialis Schütt II933
stelligera Cl. et Grun. 7054, 72I5, 72I8, 783I, 7973, 800I, 8038, 8247, 8700(p), 8976, 90I8(o), 90I9, 9057, 9362, 9580, 9708, 97II, 98I9, 9932, 9938, I0046, I0078, I0079, I0080, I0082, I0085, I0548, I0866, I0939, II45I, II694, II695, II739, II866, II883, I2I2I, I2I24, I2I25, I2405, I24I9, I250I, I3008, I30I2, I30I4, I3I68, I3246, I3247, I3250, I3354, I3373, I35I7(o), I3520, I3526, I363I, I3668, I3689
striata (Kütz.) Grun. 7I30, 7497, 753I, 8738, 898I, 9029, 9242, 9568, I020I, I0384, I0532, II907, II908
- var. ambigua Grun. 7I30, 7I32, 7497, I020I, I0532, I0939, II907, II908
- var. striata 972I, I0939
stylorum Bright. 7530, 9708
temperei Meist. 7497, 7973, 8246, 8423(o,p), 8988, 9057, I0683, I2I89, I3206
vorticosa A.Berg 7053, 7054, 7973, 8686-8688, 8690-8692, 8694, 8698, 8700(p), II45I, II452, I22I7
Cyclularia Vologd.
orbiculata Vologd. 8I25(o,p)
Cylindralithus Braml. et Mart.
sp. sp. I0433
serratus Braml. et Mart. I0428, I0430
Cylindrocapsa Reinsch
sp. sp. 8038
Cylindrocystis Menegh.
brebissonii Menegh. 8308, 9298, I0I60, I2050, I2667(o,p)
crassa De Bary 8306, 9024, I0I60, I0I69(p), I2667(o), I3453
Cylindrospermum Kütz. ex Born. et Flah.
sp. sp. 7375, 7676, 7752, 7753, 8038, 8257, 8806, 9024, 9289, 9552, 9554, 9557, 9694, 9732, 9765, 977I, 9876-9878, I0I56, I0646, I0920, III35, II32I, II448, II64I, II898, I234I, I2574, I2638, I28I5, I2877, I3245, I343I, I3435, I3442, I3455, I3666
alatosporum Fritsch I2090, I248I(o)
- f. bucharicum (I.Kiss.) Elenk. 9656, I35I8
catenatum Ralfs 7049, 7225, 9024, I0I29, I0I49, I0I53
gorakhpurense Singh I003I
gregarium (Zakrz.) Elenk. 7983, 7985, 7988, 7993, 800I, I0I48, I0973, I3249, I3502, I35I7(o), I35I8, I3522
indentatum G.S.West 9765(p)

kasachstanicum Obuch. 7379, 7380, III90(o), I35I8
licheniforme (Bory) Kütz. 7049, 7387, 7750, 9242, 9285, I0068, I0I52, I0644, I095I, I0975, IIII7, III38, III90(o), II265, II886, I209I, I2I95, I2809, I29I2, I3426, I3433, I3434, I3456, I3526, I3544
majus Kütz. 7750, 8778(o), 9285, 96I7, 9656, I0026, I0I49, I0I50, I0I52-I0I54, I095I, I0967, I0968, I1031, II703, II886, I209I, I2094, I2449, I3426, I3433, I3439, I35I8
marchiarum Lemm. 8570
michailovskoense Elenk. 7750, 80I6, 8038, 822I, 8495, 9024, 9285, 9654(o,p), 9656, 9657, 9666, 9749(o,p), 980I, I0026, I0I55, I0644, I07I4, I07I5, I0952, I0968, III90(o), II753, II756, II866, II897, I2878, I2879, I35I7(o), I3524, I3526
minutissimum Coll. I0026, I07I5, I0968, II878, I2482
muscicola Kütz. 7749, 7867, 9024, 9656, 9666, I0026, II290(o), II262, II265, II386-II392, II480, II720, II886, II897, I2093, I3522, I3544, I3657
punctatum Woronich. I3456
stagnale (Kütz.) Born. et Flah. 7I8I, 7225, 8473, 8904, 9024, 9292, 9655, 9656, 9687, 9749(o), 9768, I0026, I0I48, I0I49, I0I5I, I0I53, I0967, II223, II483, II720, II866, II878, I2020, I209I, I2I95, I2359, I2449, I248I(o), I2637, I3009, I30I0, I35II, I35I9, I3653
voukii Pevalik I0026

Cylindrotheca Rabenh.
sp. sp. II550
gracilis (Bréb.) Grun. 980I, III84

Cymathaere J.Ag.
sp. sp. 8070, 9I24, I2572
japonica Mijabe et Nagai 7763, I2064, I2I68, I2602
triplicata (Post. et Rupr.) J.Ag. 76I6(o)

Cymatiosphaera O.We.
wetzelii Defl. I0990, II372

Cymatopleura W.Sm.
sp. sp. 7222, 7506, 8259, 8749, 9I04, 9I49, 9903, I0I04, I0705, II077, III0I, II274, II7I2, I3027, I3290, I3736
angulata Grev. 9057, II694, I3283, I3668, I3756(o,p)
biseriata Bréb. I0082
brunii Petit I3269
elliptica (Bréb.) W.Sm. 7054, 72I5, 7469, 7492, 7497, 7507, 7530, 7620, 762I, 7973, 7975, 7984, 7988, 7989, 7992, 7993, 800I, 8038, 830I, 8473, 8737, 8738, 878I, 8782, 8940, 9057, 9220, 9289, 9356, 9357, 9360, 9362, 9443(o), 9476, 9492, 9568, 9666, 9668, 9748(o), 980I, 98I0, I0074, I0077, I0080, I0082, I0099, I0I02, I020I, I024I, I0280, I0548, I0646, I0657, I0798, I0905, I093I, I0939, I0955, I0956, I0975, II537, II578, II695, II866, II88I, II930, II932, I2I25, I2272, I2320, I2347, I30I2, I30I4, I3I6I, I3I68, I3I7I, I3206, I3283, I3287, I3354, I3488, I3520, I3562, I3583, I3645-I3647, I3668, I3679
- var. constricta Grun. 7973, 9444, I0939, II694, I3668, I3756(o,p)
- f. constricta (Grun. Skabitsch. I2327
- var. discoidea Wisl. et Kolbe 7054, 7973, 7975, 878I, 9932, 9938

- var. elliptica 7054, 8423, 8686, 8690, 8700, 9444, 9932, I02I8, I0220, III28, III94(o), I27I0, I327I
- - f. elliptica II694
- - f. nobilis (Hantzsch) Hust. II694
- subsp. hibernica (W.Sm.) Skabitsch. I2327, I2333
- var. hibernica (W.Sm.) V.H. 7054, 7973, 8038, 8423, 8700(p), 980I, I0008, I3I7I, I3354
- var. nobilis (Hantzsch) Hust. 7054, 7462, 797?, 7975, 8038, 869I, 8700, 878I, 9057, 9059, 9I33, 9289, 9748(o), I02I8, I0220, I0646, I0939, III28, II455, II866, I2320, I2347, I27I0, I3274, I3354, I3509, I3679, I3758(o,p)

solea (Bréb.) W.Sm. 7054, 7I39, 7I88, 72I5, 7530, 762I, 7973, 7975, 7983, 7984, 7988, 7989, 7992, 7993, 800I, 8038, 8207, 8266, 830I, 8473, 87I8, 8750, 878I, 8905, 8907, 89I3, 89I4, 89I7, 898I, 9000, 9057, 9059, 92I4, 9220, 9257, 9289, 9292, 9298, 9356, 9357, 9360, 9362, 9443(o), 9476, 9568, 9580, 9666, 9694, 97I7, 9748, 975I, 980I, 9959, I004I, I0046, I0047, I0077, I0080, I0082, I0099, I0242, I0245, I0246, I0280, I0546, I0548, I0549, I0644, I0646, I0665, I07I5, I0798, I0905, I0939, I0956, I0975, III83, III90(o), II222, II223, II529, II537, II578, II579, II695, II697, II866, II88I, II930, II965, I2035, I2037(p), I2I22, I2I24, I2272, I2320, I2323, I2324, I2327, I2343, I2347, I2357, I238I, I2482, I2936, I30I2, I30I3, I3I68, I3I7I, I320I, I32I9, I3246, I3249, I3269, I3287, I3354, I35II, I35I7(o), I3522, I3524, I3562, I358I, I364I, I3642, I3645-I3647, I3668, I3679, I3689, I3747, I3756(o,p), I3758(o,p)
- var. apiculata (W.Sm.) Ralfs 7054, 800I, 8038, 8423, 8700, 878I, 9057, 9643, 980I, I0008, I02I8, I0220, I0548, I0646, II694, II866, I320I, I3246, I3249, I327I, I3283, I3668, I3756(o,p)
- var. gracilis Grun. 9289, 9476, 980I, I0047, I0220, I024I, I0646, III28, II694, II866, I2320, I2579, I3246, I3590, I3642, I3668
- var. laticeps O.Müll. I0008
- var. regula (Ehr.) Grun. 800I, 8038, 9694, 980I, I0646, I0955, II866, I2320, I30I2, I3246, I3249, I3583, I3668
- var. solea 8423, 8686, 8700, 9444, 9445, 9932, I0008, I02I8, I0220, I0247, III94(o), I2420, I2579, I327I, I3272, I3274, I3283, I3294
- - f. regula (Ehr.) Grun. II694
- - f. solea II694
- var. subconstricta O.Müll. 878I, 9444, 980I, I024I, I0646, II694, I3246, I35I7, I3668
- var. vulgaris Meist. 7054, 7507, 8038, 8687, 869I, 8700, 9444, 9694, 9748(o), 9932, I02I8, I0220, I024I, II694, I2522, I30I2, I3246, I3249, I35I7(o), I3590, I3642, I3668

turicensis Meist. I3590, I3642
vulgaris Meist. I2343

Cymatosira Grun.
andersonii Hanna II3II
belgica Grun. 8I49, 8364(p), 8370, 8738, 898I(p), 990I, I0384(p), I0388, I0389, I039I
debyi Temp. et Brun 972I, I037I, I04I4, I3353(p), I3362
savtchenkoi Pr.-Lavr. 97I9, 9720

Cymbella Ag.
sp. sp. 7040, 704I, 7058, 7I55, 7I73, 72I5, 7222, 7287, 7295, 734-, 7349, 735I, 738I, 7496, 7506, 7620, 7828, 7992, 8038, 8I8I, 8228, 8293, 83I9, 8450, 8603, 8725, 878I, 89I2, 89I9, 8988, 905I, 9I04, 9I06, 9289, 9358, 9379, 9488-9490, 9502, 9504, 9505, 9580, 9688, 972I, 9725, 9748, 9820, 988I, 9903, 9904, 9944, 9959, I0008, I0I04, I0II3, I0243, I0309, I0370, I04I4, I0543, I0644, I0683, I0705, I0798, I0904, I0939, II078, II083, II085, II094, III29, III84, II3II, II424, II579, II583, II739, II88I, II933, I2037, I2I30, I2272, I2329, I2346, I2420, I2485, I2522, I2578, I2584, I2638, I2927, I2945, I3I6I, I3I63, I3I65, I3I7I, I32I8, I32I9, I3245, I3249, I3267, I3269, I327I, I3272, I3283, I3284, I3290, I3398, I3488, I3507, I35I9, I3523, I358I, I363I, I3640, I3666, I3679, I3689, I3699, I3736
acuta A.S. 830I, I02I8, I0220, II694, I2320(o), I320I
aequalis W.Sm. 7973, 8038, 8694, 878I, 9057, 9443(o), 9444, 9445, 9749(o), I02I8, I0248, I0548, I0939, I0956, III84, III94(o), II529, II866, I3206, I3354, I3526, I3646, I3647, I3668(o)
- var. diminuta Grun. 9568
- var. subaequalis (Grun.) A.Mayer I3668
affinis Kütz. 7700, 800I, 8423, 8859, 90I8(o), 9057, 9297, 9444, 9445, 9492, 9648, 9664, 9666, 9668, 9749(o), 980I, 9932, I004I, I0047, I0080, I0099, I0I48, I0I5I, I0I53, I02I8, I0220, I024I, I0242, I0244, I0245, I0247, I0248, I0280, I0546, I0548, I0549, I0665, I0939, I0955, I0956, I0959, I0975, III84, III90(o,p), III94(o), II578, II694, II866, II933, I2050, I2095, I2320, I2347, I2420, I2645, I2646, I2650, I2680, I276I, I2762, I3246, I3249, I3269, I327I, I3287, I3353, I3354, I3373, I3482, I3499, I3506, I3508, I35II, I35I7(o), I35I9, I3522, I3524, I3525, I3529, I3530, I3583, I3668, I3758(o)
- var. ventriconcava Obuch. III90(o,p)
alpina Grun. 7054, 8700, 9749(o)
amphicephala Näg. 8976, 90I8(o), 9057, 9297, 9444, 9445, 9666, 9668, 980I, I0I29, I0I53, I0248, I0546, I0548, I0939, I0956, III90(o,p), I2320, I3I68, I3509, I35I7(o), I3522, I3529, I3668
- var. amphicephala I02I8, I0220, III28, III94(o), II694, I327I
- var. unipunctata Brun I02I8(o), I0220, I3756(o,p)
- var. variostriata Foged II694
amphioxys (Kütz.) Grun. 8422, 869I, I3354
- var. asiatica Skv. I3757(o,p)
angustata (W.Sm.) Cl. 800I, 9749(o), I0I5I, I02I8, I0220, I0956, II693-II695, I3354, I35II, I3654, I3668
aspera (Ehr.) Cl. 7I39, 7287, 7296, 7492, 7497, 7530, 762I, 7973, 8038, 82I6, 8248, 830I, 8422, 8423, 8694, 8738, 878I, 8799, 8942, 898I, 9057, 9058, 9297, 9356, 9360, 9444, 9446, 9568, 9649, 9694, 97I7, 9749(o), 975I, 980I, I0046, I0080, I020I, I0202, I02I8, I0220, I024I, I0242, I0246, I037I, I04I4, I0548, I0939, I0975, III84, III94(o), II223, II3II, II529, II537, II694, II866, II908, I2037(p), I2I22, I2320, I2405, I30I2, I3I62, I3I63, I3I68, I3I7I, I320I, I3206, I3246, I3249, I3352, I3354, I35I7(o), I3668, I3747
- var. aspera 972I

australica A.S. 7I39, 9694, I0939, III29
- var. australica I0900, I0902, I0903, III94(o)
- f. elongata Skv. et C.Meyer I320I, I3756(o,p)
- var. hankensis Skv. I3524
austriaca Grun. 7I50, 9749(o), I0080, II694, I3283
bergii I.Kiss. I0546, I0548, I0549
brehmii Hust. II694
caespitosa (Kütz.) Grun. I0080
- var. auerwaldii (Rabenh.) A.Cl. I0248
capricornis Skv. I3756(o,p)
cesatii (Rabenh.) Grun. 8976, 9057, 9444, II3II, II694, II695, I3354, I3654
cincta 8922
cistula (Hempr.) Grun. 7054, 7I39, 7I42, 7295, 7296, 7507, 753I, 7973, 800I, 8038, 8254, 8266, 830I, 8694, 87I8, 8750, 878I, 89I4, 89I7, 8976, 898I, 90I8(o), 9057, 9087, 9220, 9292, 9297, 9298, 9356, 9360, 9444, 9445, 9694, 97I7, 9749(o), 975I, 980I, I0046, I0047, I0099, I02I8, I0220, I024I, I0242, I0244, I0245, I0247, I0248, I0280, I0305, I04I4, I0548, I0646, I0939, I0955, I0956, I0975, III84, III90(o,p), II222, II223, II442, II529, II578, II695, II720, II866, I2320, I2347, I2405, I250I, I2646, I276I, I2762, I3I68, I3202, I3246, I3249, I3269, I3354, I3482, I3583, I364I, I3646, I3647, I3668, I3756(o,p), I3757(o), I3758(o)
- var. arctica Lagerst. 7I30, 7I32, 7I35, 9I99, 9749(o), I020I, I0532, I3756(o,p)
- var. cistula 8423, 8700, 972I, I0902, III94(o), II694, I2650, I27I0, I327I, I3272, I3283, I3294
- var. maculata (Kütz.) V.H. 7I30, 7I39, 8423, 9057, 9I99, 980I, I0047, I0548, I0646, I0665, III90(o), II694, I2320, I27I0, I3246, I3249, I327I, I3283, I3482, I3524, I3668, I3756(o,p)
- f. maculata (Kütz.) V.H. I2347
compacta var. danica Cl. 9463, I0247, I0249
cuspidata Kütz. 7222, 7973, 7975, 800I, 8038, 830I, 8422, 9057, 9087, 9444, 9568, 9932, I0099, I0202, I02I8, I0220, I024I, I0548, II694, II866, I2347, I3008, I3246, I3354, I3524, I3668, I3756(o,p)
- f. minor Kog. 965I
cymbiformis (Ag., Kütz.) V.H. 7054, 7I30, 7I32, 7I35, 7I37, 7I39, 7I42, 7I50, 7973, 800I, 8038, 8207, 8248, 830I, 8423, 878I, 9009, 90I8(o), 9057, 9220, 9242, 9292, 9298, 9444, 9504, 9694, 9749(o), 975I, 980I, 9932, I0099, I0047, I0I29, I0I48, I020I, I0202, I02I8, I0220, I024I, I0245, I0246, I0305, I0546, I0548, I0549, I0646, I0939, I0955, I0956, I0975, III90(o), III94(o), II223, II694, II866, I2095, I2320, I2405, I2579, I27I0, I3I68, I320I, I3246, I3249, I3283, I3354, I3499, I35I7(o), I35I9, I3520, I3522, I3524, I3528, I3668
- var. cymbiformis 8700(p)
delicatula Kütz. 7I42, 8976, 9449, 980I, I0305, I07I5, I0956, III90(o), II529, II694, II695, I3354, I35II, I35I7(o), I3654, I3668
differta (A.Cl.) Krieg. II694

ehrenbergii Kütz. 7I30, 7I32, 7I35, 7I37, 7I39, 7I42, 7490, 7492, 7494, 7497, 7530, 7973, 800I, 8038, 8248, 8422, 8694, 8709, 878I, 8976, 8988, 9057, 9220, 9257, 9289, 9298, 9356, 9357, 9360, 9444, 9694, 980I, I0099, I020I, I02I8, I0220, I024I, I0548, I0665, I0939, III23, III28, III90(o), II694, II866, I2320, I2347, I2680, I3I68, I3I7I, I3526, I3646, I3647, I3668, I3756(o,p), I3758(o)
- var. ehrenbergii 972I, III94(o)
elegans Jasnitsky 8207
estonica Mölder I02I8, I0220, I27I0, I3526
gastroides Kütz. II866
gracilis (Rabenh.) Cl. 8038, 830I, 9057, 9444, 9749(o), 980I, I02I8, I0220, I0248, II529, II530, II694, I2637, I28II, I3I68, I3354, I35I9, I3524, I3525, I3668, I3757(o)
- f. sphagnicola Skv. I3757(o,p)
gutwinskii (Wisl.) Skv. et C.Meyer 8422, I373I, I3756(o,p)
haslundii Foged 965I
hauckii V.H. 8422, I320I
hebridica (Greg.) Grun. 753I, 783I, 878I, 8976, 898I, 9060, 9749(o), I0202, I02I8, I0220, I024I, I0956, III90(o), II529, II530, II693-II695, I2405, I3354, I3504, I35II, I35I7(o), I363I(p), I3668(p)
helvetica Kütz. 7054, 7620, 762I, 7973, 800I, 8038, 878I, 8859, 9298, 9580, 975I, 980I, I0080, I0I69, I02I8, I0220, I0248, I0305, I0548, I0939, I0956, I0975, III90(o,p), II578, II695, II866, I2095, I2272, I2347, I2420, I3I68, I3246, I3269, I3354, I3373, I3499, I3504, I35I7(o), I3562, I363I(p), I3668
- var. balatonis (Grun.) Cl. 8038, 90I8(o), II694, I3668
- var. compacta (Östr.) Hust. 9444, 9445
- var. curta Cl. 975I, 980I, I0548, II694, I3524, I3668
- var. helvetica 8700, 9444, 9445, 9456, 9457, I0247, III94(o), II694, I2420, I327I, I3283
- var. punctata Hust. 8038
heteropleura (Ehr.) Kütz. 7054, 7I35, 7222, 7489, 7492, 7973, 8709, 8976, 898I, 97I5, I020I, I037I, II3II, II530, I2I22, I2405, I3I63, I3207, I3668
- var. heteropleura 8700, I0939, II694
- var. minor Cl. 7I32, 7489, 7494, 762I, 7973, 878I, 9058, 97I5, 9748(o), 9749(o), I020I, I02I8, I0220, I0247-I0249, I0532, I0939, II694, I2405, I320I, I3668, I3756(o,p), I3757(o)
hustedtii Krasske 7054, 8700, 9057, 9443(o), 9444, I0248, I0956, III94(o), II694, I3246, I3249, I35I7(o), I35I9, I3524, I3525, I3756(o,p)
hybrida Grun. 7973, 8976, II530, II694, II695, I3654, I3668, I3758(o,p)
- var. pamirica Boye-Pet. I0247, I0249
incerta (Grun.) Cl. II694, I3354, I3668
inelegans var. baikalensis Skv. I3756(o,p)
lacustris (Ag.) Cl. 7975, I0548, III94(o,p), II930
- var. baikalensis Skv. II694
- f. baikalensis Skv. et C.Meyer I3756(o,p)
- var. lacustris II694
laevis Näg. 7222, 980I, I02I8, I0220, I07I5, I082I, II694, I3354, I35I7(o), I3522, I363I(p), I3646, I3647, I3654, I3668

lanceolata (Ehr.) V.H. 7054, 7I32, 7I39, 7I84, 72I5, 7287, 7507, 7973, 7989, 800I, 8038, 8207, 8247, 8292, 830I, 878I, 8859, 89I4, 8922, 9000, 9009, 9057, 9242, 9292, 9298, 9324, 9356, 9360, 9444, 9448, 9476, 9568, 9748(o), 9749(o), 980I, 9932, 9938, I004I, I0047, I0077, I0080, I0082, I02I8, I0220, I024I, I0242, I0548, I0646, I0665, I0733, I0956, I0959, I0997, II223, II529, II694, II697, II866, I2050, I2I24, I2320, I234I, I2346, I2347, I2383, I2482, I2579, I2905, I2906, I3008, I30I2, I30I4, I3I63, I3I68, I32I7-I32I9, I3246, I3249, I3269, I3482, I35I9, I3525, I3583, I3642, I3668, I3679, I3747
- var. grandipunctata Moiss. I0900, I0902, I0903
- var. lanceolata 7054, 8423, 8686, 8690, 8700, 9360, III94(o), I327I, I3272, I3283, I3294
- var. notata Wisl. et Poretzky 8038, 9057, I0956, III84, I3283, I3354
lata Grun. 800I, 878I, 9057, I0099, I0220, I34I2, I3645, I3668
- var. baikalensis Skv. I320I
- var. lata 9444, II694
- var. minor Mölder 9087, 9298, 9444, II694, I3283, I35I9, I3525, I3526, I3668
leptoceros (Ehr.) Grun. 9057, 9447(o), II694, II695, I2347, I2579, I3I68, I3354, I3499, I35I7(o), I3522, I3668
meisteri Skv. et C.Meyer I3756(o,p)
microcephala Grun. 9057, 9648, I02I8, I0220, I0548, I0822, I0956, I0975, III90(o,p), III94(o), II694, I3I63, I3249, I3354, I3522, I363I, I3668, I3758(o,p)
mongolica Östr. II694
naviculа Skv. 830I, I3756(o,p)
naviculiformis Auersw. 7973, 8038, 830I, 8422, 8423, 8738, 878I, 9057, 9446, 9447(o), 9568, 9649, 980I, I0099, I020I, I0202, I0956, III84, III94(o), II529, II694, II866, I2320, I2405, I3008, I3I68, I3246, I3354, I3522, I3529, I3668
- var. minor Muzaf. I0975
norvegica Grun. I0I52, I02I8, I0220, II694, I3354
obtusa Greg. 8976, I0220, II694, II695, I363I(p)
obtusiuscula (Kütz.) Grun. 8038, 90I8(o), 980I, I0956, I0968, III94(o), II694, I2095, I3I68, I3668
parva (W.Sm.) Cl. 7I50, 800I, 8038, 830I, 8700(p), 9057, 9242, 9444, 9749(o), 980I, I0099, I024I, I0248, I0305, I0956, I0975, III94(o), II45I, II455, II866, I30I3, I3I68, I3246, I3249, I327I, I3354, I35I7, I35I9, I3522, I364I, I3668, I3756(o,p)
parvula Krasske 9057, I3I68, I3668(o,p), I3758(o,p)
perpusilla A.Cl. 7489, 7973, 8709, 9060, 9379, 9447(o), I020I, I0245, I0956, II530, II694, I250I, I3354, I3668, I3757(o)
- f. elongata Skv. I3757(o,p)
praetumida Tscher. I3I67
proschkinae Muzaf. 7676, I0I5I-I0I53, I0546, I0548, I0955, I0956, I0975, III90(o,p), I35II, I3524
prostrata (Berk.) Cl. 7054, 7I85, 7507, 753I, 7973, 7975, 800I, 8038, 8266, 8423, 8700(p), 8750, 878I, 8859, 89I4, 8976, 90II, 9057, 9087, 9444, 9445, 9457, 9580, 9694, 9749(o), 980I, 9932, I0080, I0099, I0I53, I0I69(p), I02I8, I0220,

I0242, I0244, I0247, I0248, I0646, I0665, I07I5, I0905, I0955, I0956, II45I, II694, II866, II930-II932, I2095, I22I7, I2320, I2347, I2420, I2649(o), I27I0, I276I, I2762, I2938, I2939, I2945, I30I3, I3246, I3249, I3269, I327I, I3283, I3287, I3373, I3482, I3499, I3509, I35II, I35I7(o), I35I9, I3520, I3522, I3524, I3525, I3528, I3529, I3583, I3590, I363I, I3642, I3668, I3756(o,p), I3758(o,p)

pusilla Grun. 7054, 7I64, 8700, 9959, I0548, I0973, III90(o), II3II, II45I, II693, II694, I2095, I27I0, I3502-I3505, I35I7(o), I35I9, I3522, I363I, I3668

- uzboica Kog. 9644(o,p), 9649, 965I, I3522

reinhardtii Grun. I0099, II694

sibirica Tschist. 8038

sinuata Greg. 7054, 7I30-7I32, 7I35, 7I42, 7387, 7700, 7973, 7975, 830I, 8686, 8690, 869I, 8738, 878I, 8896, 90I8(o), 9057, 9060, 9379, 9444, 97I5, I02I8, I0220, I024I, I0245, I0248, I0532, I0548, I0683, I0939, III90(o), II3II, II45I, II529, I2320, I3I68, I320I, I3206, I3246, I3354, I3522, I3583, I3668, I3756(o,p)

- var. antiqua (Grun.) Cl. I0900, I0902, I0903
- var. capitata A.Cl. I3668(o)
- f. capitata A.Cl. II694
- var. ovata Hust. I2320
- f. ovata Hust. III90(o), III94(o), II694, I3246
- var. sinuata 8423, 8700(p)
- f. sinuata II694

skabitschevskyi Tschist. 8038, I0242, I0247, I0248

skvortzowii Skabitsch. 90I8(o), 9749(o), I0I52, I320I, I3522, I3524

sphaerophora var. intermedia A.Cl. I3668(o,p)

stauroneiformis Krasske I3526

stuxbergii Cl. 7054, 72I8, 7973, 898I, 9242, 9749(o), I024I, I095I, I0956, III90(o,p), I2320, I3I69, I320I, I35II, I3530, I373I, I3756(o,p)

- var. baikalensis Skv. et C.Meyer I3756(o,p)
- var. intermedia Wisl. 7530, 8422, 9059, 9749(o), I373I, I3756(o,p)
- var. stuxbergii 8700

tartuensis Mölder I02I8, I0220, II694

thumensis (A.Mayer) Hust. II694, II695

tumida (Bréb.) V.H. 7I39, 7I85, 7222, 7973, 7989, 800I, 8038, 878I, 8922, 9057, 9242, 9297, 9444, 9445, 9448, 9502, 9504, 9694, 9749(o), 9944, 980I, I0047, I0080, I0242, I0245-I0248, I0646, I0939, III90(o,p), II529, II866, II930, I2320, I234I, I2383, I2579, I2938, I2945, I30I0, I3I68, I320I, I3246, I3249, I3269, I3482, I35I4, I35I7(o), I35I9, I3524, I3668, I3757(o)

- subsp. australica (A.S.) Skabitsch. I2320(o)
- var. borealis Grun. I3009, I30I0, I3482, I373I
- var. tumida I0008, I0902, III84, III94(o), I3I68, I327I, I3274, I3283, I3294

tumidula Grun. 9242, 9447(o), 980I, I02I8, I0220, I0548, I0956, II866, I3249, I3522, I3668

- var. angusta Grun. I35I7(o), I3526
- var. tenuis A.Cl II694

- var. tumidula III94(o), II694

turgida (Greg.) Cl. 7054, 7096, 7I88, 7507, 7620, 762I, 7973, 800I, 8038, 8248, 8254, 830I, 8384, 8422, 878I, 9057, 9059, 9087(p), 9220, 9242, 9292, 9362, 9438, 9449, 9476, 9580, 9694, 97I7, 9748(o), 9749(o), 975I, 980I, 98I9, 9932, 9938, I0202, I02I8, I0220, I024I, I0242, I0245, I0248, I0548, I0902, I0939, I0956, I0959, I0975, III94(o), II45I, II559, II688, II694, II866, II930-II933, I2I22, I2320, I2405, I250I, I30I2, I3I63, I3I68, I320I, I3246, I3249, I3269, I3283, I3294, I3354, I3373, I3499, I35II, I34I4, I35I7(o), I3520, I3522, I3524, I3529, I3562, I3668(p), I3689, I3756(o,p), I3757(o), I3759(o,p)

- var. muscosa Skv. I3757(o,p)
- f. nana Muzaf. III90(o,p), I3524, I3526
- f. parva Muzaf. 9694
- var. turgida 8700(p), 972I

turgidula Grun. 9057, 9444, 9445, I020I, I02I8, I0220, III94(o), II866, I3008, I320I, I3249, I3524, I3668

veneta Kütz. var. veneta 8700

ventricosa Kütz. 7054, 7I30, 7I42, 7I84, 7287, 7383, 7489, 7507, 7530, 762I, 7700, 7973, 7983, 7989, 8000, 800I, 8038, 830I, 8309, 8384, 8422, 8554, 869I, 8737, 8738, 878I, 8859, 8895, 8896, 89I3, 89I4, 89I6, 89I7, 89I9, 898I, 9057-9060, 9087, 9220, 9242, 9292, 9297, 9298, 9379, 9438, 944I, 9444, 9445, 9448, 9568, 958I, 9664, 9674, 9694, 97I7, 9749(o), 980I, 98I9, 9882, 9932, I0047, I0080, I0099, I0I29, I0I48, I0I53, I020I, I024I, I0242, I0244-I0248, I0305, I0532, I0548, I0646, I0798, I0905, I0939, I0955, I0956, I0975, III90(o), II452, II529, II530, II866, II88I, I2I22, I2320, I2346, I2347, I2405, I2420, I250I, I2646, I276I, I2762, I3009, I30I0, I30I2, I30I4, I3I63, I3I68, I320I, I3246, I3249, I3269, I3287, I3353, I3354, I3482, I3499, I3508, I35I7(o), I35I9, I3522, I3524, I3525, I3529, I356I, I3562, I3583, I363I(p), I3642, I3668, I3756(o,p), I3758(o,p)

- var. arcuata Skv. I3759(o,p)
- var. hankensis Skv. 9748(o), II694, I3524
- f. minuta (Hilse) V.H. I02I8
- var. obtusa Cl. I07I5
- var. ovata Grun. 8034, 980I, I02I8, I0220, I07I5, I0956, II694, I3249, I3283, I3668
- var. ventricosa 8423, 8685-8687, 869I, 8698, 8700(p), 972I, I02I8, I0220, I0902, III28, III84-III86, III94(o), II45I, II694, I22I7, I2420, I2650, I327I, I3283, I3294

Cymbellonitzschia Hust.

diluviana Hust. 8988

Cymbomonas Schill.

klebsii Schill. 9220

Cymopolia Lamour.

sp. sp. 9823

Cystoclonium Kütz.

capillare (Pott.) Yendo 8054

purpurascens (Huds) Kütz. 760I, 9I24

purpureum (Huds.) Batt. 7II8(p), 7606, 7608, 76II, 76I5, 8064, 8275, 8279, 9406, I0II0

Cystococcus Näg.
humicola Näg. 7676
Cystodictyopsis Vozzhen.
hyperxantha Vozzhen. 8048-8049(o)
Cystodinium Klebs
bataviense Klebs 9220
unicorne Klebs I084I
Cystophyllum J.Ag.
sp. sp. 9I24, II369, II37I
crassipes (Mert.) J.Ag. 8056, 8057(o), I3633
hakodatense Yendo 8056, 8057(o)
sisymbrioides J.Ag. 8056, 8057(o)
Cystoseira Ag.
sp. sp. 7I56, 7932, 7967, 8036, 8056, 8350, 8528, 8532, 8590, 9I56, 94I0, 94I3, 94I4, 9603, I0057, I0058, I0330, I0495, I0578, I0773, I0836, I0930, II20I, II368-II37I, II385, II440, II6II, II632, II938, I2I38, I242I, I2564, I2603-I2605, I2608, I2622, I2893, I3029, I3068, I3II5, I340I-I3403, I36II, I3720
abrotanifolia (Stackh.) Ag. I0058, I0490
adriatica Sauv. I0056, I0058, I006I, II958
barbata (Good. et Wood.) Ag. 7I60-7I63, 7282, 74I3, 744I, 7443, 7445, 7446, 7473, 7474, 7476, 7529, 7742, 7744, 7745, 7850, 7907, 79II, 8288, 8350, 8527, 8565, 8898, 8899, 8902, 9I24, 9I62(o), 9402, 9407, 9409, 94II, 94I2, 94I6, 94I7, 942I, 957I, I0054, I0055, I0059, I0060, I0I40, I0488, I0490, I049I, I0493, I0496, I07I0, I07II, I07I3, I0774, I0775, I0804, I0808, I0837, I0929, II142, II343-II348, II35I, II408, II409(o), II4I0-II4I3, II4I5-II4I7, II420, II422, II423, II57I, II573, II600-II602, II604-II606, II6I6, II6I8-II620, II626, II627, II63I, II937, II939, I2242, I2257, I254I, I2589, I2590, I2593, I2623, I3035, I3043, I3046, I3047, I3052, I3058, I3068, I3II4, I3II6, I3I35, I33I3, I3602-I3605, I3609, I36I0, I36I2-I36I6, I3668, I3693
- var. barbata II409(o)
- f. barbata 94I8, 9420, 9603, I2542
- var. flaccida (Kütz.) Woronich. 8897, 8899, 890I, 9I24, 9420, II384, II408, II409(o), II4I0, II4I3, II4I5-II4I7, II420, II422, II423, II573, I33I3
- f. flaccida (Kütz.) Woronich. 890I, 94I8, 9603, I2542
- f. hoppii J.Ag. 8899, 890I
bosphorica Sauv. 94I6, 9603
caespitosa (Yendo) Fensh. 8054
crassipes (Turn.) Ag. 7636, 8054, 8072, 8073, 859I, 8592, 9I24, I0472, II384, I2606, I3479
- subsp. crassipes (Turn.) Ag. 8072, II437(o)
- f. crassipes II437(o), I2606, I2607, I2609
- subsp. geminata (Ag.) Ju.Petr. 76I3, 76I4, 8072, II437(o)
- f. hakodatensis (Yendo) Ju.Petr. II437(o), I2607
crinitophylla Erceg. I0490
discors (L.) Ag. I0056, I0058, I006I, II958
fucoides Erceg. I0490
geminata Ag. 8054, 8072, I2I60
hakodatensis (Yendo) Fensh. 805I, 8054, 8072, 9I24, I2064
partschii Sternb. I332I

platyramosa Erceg. I0490
spicata Erceg. I0490
spinosa Sauv. I0058
Czinlinella
saldaica Vologd. I3I73
Dactyliosolen Castr.
sp. sp. 7063, 7956
antarcticus Castr. 7536, 7950, 7952, 7954, 9000, 9002, 922I, 9228, 9432, 9702-9704, 9705(p), 9708, 97II, 97I6, I2I53, I2669, I3028, I3649
mediterraneus H.Perag. 7534(o), 7536, 7956, 82II, 8763, 922I, 9705, I0888-I0892, I2I52, I2I53, I2223, I2597, I2669
tenuis Gran 7950, 7954
Dactylococcopsis Hansg.
sp. sp. 7II2, 7627, 7804, 7805, 8038, 8939, 9675, I0008, I0079, I0286, II45I, II88I, II935, I3274
acicularis Lemm. 902I, 9580, 9687, 9748(o,p), 980I, I0026, I0077, I0080, I0082, I0I32, I02I8, I0220, I0822, II455, II537, I3373, I35I7(o)
elenkinii Roll 800I, II673, II747, I3I27, I3I29, I3246
fascicularis Lemm. 9298, I0026, I003I
irregularis G.Sm. 7082, 7627, 7628, 7802, 7805, 87I0, 9289, 9340, 9580, 9748(o), 975I, 9959, I0008, I0077, I0080, I02I8, I0220, II455, I2052, I248I(o), I27I0, I2946(o), I327I, I3274, I3373
planctonica f. minor Fedor. I2948(o,p)
rhaphidioides Hansg. 7802, 8555, 90I8(o), 902I, 9580, 96I7, 975I, 980I, 9959, I0026, I0077, I0078, I0080, I0082, I0548, I0822, I0975, II537, II878, II883, II930, I2052, I30I2, I327I, I3273, I3373, I3590, I3642, I3657
- f. breviaristata Obuch. III92(o,p)
- f. falciformis Printz 8700, I0026, I02I8, I0220, II455, II93I, II932, II935(o), I2680, I27I0, I3373
- f. longior Geitl. I0956
- f. pannonica (Hort.) Hollerb. I2680, I3590, I3594-I3595, I3642
- var. rhaphidioides I3272
- f. rhaphidioides I27I0, I3274, I3294
rupestris Hansg. 8778(o), II935(o)
scenedesmoides Nyg. 89I6, 8920, 8929(o,p), I0822, II932, II935(o), I3530, I3590, I3642
smithii R. et P.Chod. 8778(o), 8920, 9438, I35I8
Danasphaera Nielsen
indica Nielsen I2597
Dapcodinium Evitt
priscum Evitt 8048-8049(o,p)
Dasya Ag.
elegans (Mart.) Ag. 7744, 7745, 8899, I0929, I2I39, I2I40, I3043
pedicellata Ag. 890I, 9420, II408, II409(o), II4I0-II4I2, II4I5-II4I7, II420, II423, I33I3
sessilis Yamada I3633
Dasyopsis Zanard.
apiculata (Ag.) A.Zin. 9420
penicillata (Zanard.) Schmitz 942I
spinella Ag. II409(o), II4II, II4I2

Dasyporella Stoll.
sp. sp. 7268, 9823, 9824, 9833
devonica Reitl. 7269
norvegica Hoeg 8378
Deflandrea Eis.
sp. sp. 8542, I0990
arcuata Vozzhen. 8538
bakeri Defl. et Cook. 8542, I0053, I0990
- f. pellucida Defl. et Cook. I0990
carpatica Grigor. 8538, 8540(o,p)
conica Vozzhen. I0579
dakotaensis Stanl. 8538
heterophlycta Defl. et Cook. 8538
minor Alb. I0053
oebisfeldensis Alb. 8538
phosphoritica Eis. 7863, 8048-8049(o,p), 8538, I0579, III55, I32II, I3567(p)
robusta Defl. et Cook. I0990
Deflandrius Braml. et Mart.
sp. sp. I3473
arkhangelskyi (Reinh.) Reinh. I3472
coronatus Schumenko I3469
cretaceus (Arkh.) Reinh. I3469
- subsp. cretaceus Reinh. I3466
intercisus Defl. I0427(p), I0430, I0433, I0434
quadripunctatus Górka I0433
spinosus Braml. et Mart. I0427(p), I0428, I0430, I0433, I0434
Delamarea Hariot
attenuata (Kjellm.) Rosenv. II383(o)
Delesseria Lamour.
sp. sp. 8059, I2605, I2609
belayevii A.Zin. 9I6I(o,p)
sanguinea (L.) Lamour. 8550, 9I24
sinuosa (Good. et Wood.) Lamour. 9I24
uschakovii A.Zin. 9I6I(o,p)
violacea (Harv.) Kylin 7636, I2604, I2607, I3633
Dendractis Reis
sp. sp. 9833
Denticula Kütz.
sp. sp. 783I, 8038, 994I, I0757, II375, I2223, I2365, I3362
elegans Kütz. 8266, 9357, 9444, 9492, I0548, I0956, II694, I2320, I3522, I3668
elongata Hust. 898I
hustedtii Simonsen et Kanaya I0982
kamtschatica Zabelina 7530, 7827, 7829, 898I(p), 8995(p), 97I6, 972I(p), 9874, I3I7I, I3353(p), I3358, I3362, I3649
lauta Bail. 89990, 9873, 9874, I0982
marina Semina 7530, 753I, 82II, 898I(p), 8982, 8994, 9604, II980, I2222, I2365, I3353(p)
nicobarica Grun. I0978
seminae Simonsen et Kanaya 7532, 8982, 8994, 8995(p), 8999, 9002(p), 9709, 97I2, 97I6, I2228, I2669, I3358, I3362, I3649
tenuis (Kütz.) Hust. 7054, 7973, 8292, 9444, I00I7(o), I0080, I0I48, I0956, II693, II694, I3668

- var. crassula (Näg.) Hust. 7054, 7973, 8685-8687, 869I, 8700(p), I02I8, I0956, II45I, II452, I3354
- var. tenuis 8700, II45I
thermalis Kütz. 7I50
Derbesia Sol.
sp. sp. II409(o), I2607
tenuissima (De Not.) Crouan 7940(o)
Derepyxis Stokes
amphora Stokes I3526
Dermatolithon Foslie
sp. sp. I03I6
caspicum (Foslie) Zaberzh. 9030(o), 903I, 9033(o,p), 9I72, II420, II42I, II423
cystoseirae (Hauck) Huvé 890I
tumidulum (Foslie) Foslie 7636, II383(o)
Dermocarpa P. et H.Crouan
aquae-dulcis (Reinsch) Geitl. I0026
leibleinii (Reinsch) Born et Thw. II442
prasina (Reinsch) Born et Thw. 9I20
versicolor (Borzi) Geitl. 9694
Desmarestia Lamour.
sp. sp. 7600, 8059, 8595, 8596, 9I56, I3029
aculeata (L.) Lamour. 7II8, 7449, 760I, 7602, 7604, 7606, 7608, 7609, 76I2, 76I3, 7766, 8054, 8060, 8064, 8070, 8073, 8279, 8284, 855I, 9I24, 9I54, 9I75, 9406, 954I, II780, II78I, II833, I2604, I2607, I3708
- f. subenervis (Rupr.) A.Zin. 760I
- f. typica A.Zin. 760I
herbacea (Thur.) Lamour. 9I65(o)
ligulata (Lightf.) Lamour. 8054, I2607, I3633
media (Ag.) Grev. 8054, I3633
menziesii (Ag.) J.Ag. 9I65(o), 9869
viridis (O.F.Müll.) Lamour. 7604, 7606, 7608, 7636, 8054, 8064, 8279, 8590, 8592, 9I24, 9I52, 9I79, II20I, II378, II379, II384, II780-II783, I2064, I2604-I2607, I2609, I3633
Desmatractum W. et G.S.West
sp. sp. 87I0, I327I
indutum (Geitl.) Pasch. 800I,87I0, 980I, II866, I3246, I3270, I327I, I3287
Desmidium Ag. ex Ralfs
sp. sp. 7506, 8038, 83I9, 8426, 9I04, 9257, 9289, I0I04, I0I49, II45I, II866, I3488, I3666, I3730, I3750
aptogonum Bréb. 8038, 9024, 9662(o), III90(o), I2I22, I2479(o)
- var. acutius Nordst. 9932, 9938
- var. aptogonum I0I60
- var. ehrenbergii Kütz. 8038, I0I60
cylindricum Grun. 9944, I0I60, I0I62, I2I75, I2479(o)
pseudostreptonema W. et G.S.West 9662(o), I2I75(o,p)
swartzii Ag. ex Ralfs 8038, 8308, 8700(p), 902I, 9024, 9080, 9088, 9446, 9662(o), 9749(o,p), 9932, 9938, I0I34(o), I0I48, I0I58, I0I62, I0644, I0866, I0975, II077, II720, II88I, II93I, I2I75, I22I7, I2478, I2479(o), I2657(o), I2667(o), I3352, I3504
- var. amblyodon (Itz.) Rabenh. 90I8(o)

Desmogonium Ehr.
guianense Ehr. 8896, I3I69, I3I70, I3366(o,p)
Desmotrichum Kütz.
balticum Kütz. 8279, I3645
scopulorum Reinke 9406
undulatum (J.Ag.) Reinke 890I, 8902, 9406
Detonula Schütt ex De Toni
sp. sp. II8I5, I2I53
confervacea (Cl.) Gran 8765, 898I, 9I24, 9223, 9230, I00I7(o), I2I53, I2228, I2892
cystifera Gran I0888, I089I
schroederi Bergon 706I, 7063, I0888
subtilissima Pr.-Lavr. I0470, I0475, II537
Diacanthos Korsch.
belenophorus Korsch. 800I, 87I0, 8725, I3009, I30I0, I3246, I3274, I353I, I3747
Diatoma Bory
sp. sp. 7506, 7593, 8038, 8253, 8258, 8259, 8436, 87I3, 8749, 8750, 8877, 9I04, 9257, 9446, 9499, 9505, 9749, 988I, 9903, 9944, 999I, I0I04, I04I4, I0549, I0920, II46I, II720, I2035, I2I27, I22I6, I2236, I2245, I2344, I2408, I3249, I3354, I3398, I3507, I3523, I3666, I3736
anceps (Ehr.) Kirchn. 7054, 7096, 7I50, 8038, 8686, 8700, 90I8(o), 9444, 9445, 949I, 9749(o), I0I5I, I07I5, I0900, I0902, I0903, I0939, I0955, I0956, II45I, II452, II694, II930, I2522, I27I0, I3008, I3057, I320I, I3245, I327I, I35II, I35I7(o), I3524, I3668
- var. anceps 972I
capitatum Lauby 8293, I04I2, I04I4, I0900-I0903, I3008
elongatum (Lyngb.) Ag. 7054, 7I03, 7I88, 72I5, 72I7, 7220, 7222, 7297, 738I, 7383, 7469, 7507, 7620, 762I, 7757, 7758, 7964, 7989, 800I, 8038, 8I47, 8248, 8266, 830I, 8543, 8559, 8604, 869I, 87I0, 8765, 8859, 89I3-89I5, 89I7, 8922, 8940, 92II, 92I9, 9220, 9223, 9233, 9257, 9288, 9289, 9298, 944I, 950I, 9568, 9749(o), 980I, 98I9, 9894, 9938, 9943, 9955, 9959, I0046, I0080, I0I5I, I024I, I0276, I0277, I0279, I0280, I0473, I0548, I0549, I0657, I0803, I0866, I0956, II069, II087, II3II, II537, II547, II579, II673, II693, II695, II697, II730, II864, II866, II88I, II904, II930, II945, I2095, I2I2I, I2247, I2320, I233I, I234I, I2870, I2935, I2938, I3008, I30I2, I30I4, I3I99, I3246, I3249, I3266, I3269, I3273, I3275, I3354, I3373, I3499, I3504, I3506, I35II, I35I2, I35I4, I35I5, I35I7, I3528, I3529, I3576, I36I8, I3645, I3668
- var. actinastroides Krieg. I0546, II860, I30I2
- f. actinastroides (Krieg.) Pr.-Lavr. 800I, 9024, 9749, I0077, I0548, I0549, II88I, I27I0, I3590, I3642
- var. capitellatum Poretzky I0956
- var. elongatum 7353, 7462, 8685-8687, 869I, 8700, 92I0, 9444, 9445, I02I8, I0220, I0245, I0283, I0463, I0475, II184, II185, III94(o), II45I, II455, II694, I27I0, I3270-I3274, I3283, I3290, I3600
- - f. elongatum I2939
- f. elongatum 7I04, 9I33, 9500, I0008

- var. hybridum Grun. 9220
- var. minus Grun. I3668
- var. pachycephalum Grun. I0548, I0956, II45I, II866, I27I0, I35I7(o)
- var. tenue (Ag.) V.H. 7I42, 7I50, 7249, 762I, 7973, 8038, 830I, 898I, 9444, 9445, 9687, 9749(o), 980I, I0008, I0046, I0I48, I02I8, I0220, I024I, I0244, I0245, I0247, I0248, I0548, I0956, I0975, II083, III88, III90(o), III94(o), II529, II578, II694, I2I25, I27I0, I2935, I320I, I3246, I3249, I3269, I327I, I3283, I3505, I3506, I35I4, I35I7(o), I35I9, I3522, I3524, I3525, I3529, I3583, I3668
hiemale (Lyngb.) Heib. 7054, 7I42, 7489, 7507, 762I, 7700, 82I6, 8248, 8976, 9057, 9059, 9060, 9I08, 9385, 9442(o), 9664, 97I5, 980I, 9938, I0080, I0I29, I0I50-I0I53, I0548, I0939, I0956, II529, II694, II695, II965, II967, I2320, I2637, I320I, I3246, I3504, I35II, I35I4, I35I9, I3524, I3525, I3529, I3668
- var. breve Grun. 97I5
- var. hiemale 8309*, 8423, 9444, 9445, III28, III84-III86
- var. mesodon (Ehr.) Grun. 7054, 7I50, 7494, 7676, 8038, 8309*, 8422, 8423, 8700(p), 9059, 9444, 9445, 965I, 972I, 9749, I0248, I095I, I0955, I0956, III90(o), I2I54, I2522, I27I0, I3I68, I320I, I3246, I3353, I3583, I3668
nanum Skabitsch. 7530, 753I, 8038, 898I(p), III90(o,p), III94(o,p), I2320
ovale (Fricke) Hust. I3008
vulgare Bory 7054, 7I30-7I32, 7I35, 7I42, 7I55, 7296, 7383, 7507, 7530, 753I, 7588, 7620, 762I, 7624, 7669, 7922, 7989, 800I, 8038, 8247, 8248, 8254, 8266, 830I, 83II, 8423, 852I, 8554, 8855, 8859, 9000, 90I0, 90I2, 9053, 9078, 9I04, 9I08, 9202, 9203, 92II, 92I9, 9220, 9223, 9242, 9289, 9324, 9445, 9476, 949I, 9568, 958I, 9583, 9664, 9666, 9749(o), 980I, 9882, I0074, I0077, I0079, I0080, I0082, I0087, I0I07, I0I29, I0I48, I0I95, I024I, I0242, I0248, I0548, I0549, I0657, I0732, I0822, I0905, I0955, I0956, I0973, I0975, II03I, III90(o), II229, II336, II530, II537, II625, II67I, II672, II697, II720, II739, II866, II878, II88I, II883, II930, II933, II935, II965, II967, I2052, I2055, I2I2I, I2I22, I2I25, I2343, I2346, I2347, I2356, I2393, I2420, I2579, I2637, I2645, I27I0, I276I, I2762, I2906, I2926, I30I2, I30I4, I3027, I3057, I3I68, I3246, I3249, I3269, I3373, I3482, I3488, I3497, I3506, I35I2, I35I4, I35I5, I35I7, I35I9, I3520, I3522, I3524, I3526, I3527, I3529, I356I, I3562, I3565, I3583, I363I, I3656, I3666, I3668, I3679, I3689, I3699
- var. breve Grun. 8038, 8254, 9444, 9445, 9457, 9459, 9580, I0008, I02I8, I0220, I0548, I0646, I0955, I0956, III90(o), II694, I2649(o), I3246, I327I, I3373, I35I7(o), I3668
- var. capitulatum Grun. 7973, 980I, I3246
- var. constrictum Grun. 9749(o), I3246
- var. ehrenbergii (Kütz.) Grun. 800I, 9932, I0548, III90(o), I2649(o), I3246, I3249, I3373
- var. lineare Grun. 7054, 800I, 8038, 8700, 9444, 9456, 9457(p), 9459, 9463, 9476, 9580, 9932, I02I8, I022C, I024I, I0546, I0548, I0956, III28, III94(o), II420, II42I, II694,

I3246, I3283, I3373, I35I7(o)
- var. ovale (Fricke) Hust. 7I85, 8038, 9449, 9749(o), 980I, 9932, I0008, I0I29, III94(o), I0646, I0956, I30I2, I30I4, I3246, I3249, I3269, I3373, I35I7(o), I3668
- var. productum Grun. 7054, 7I85, 800I, 8038, 8254, 8737, 8738, 898I, 90I8(o), 9292, 9297, 9444, 9664, 9666, 980I, 9932, I0080, I02I8, I0220, I024I, I0242, I0244, I0245, I0248, I0548, I0646, I0955, III90(o), II578, II694, II965, I2I22, I2I24, I2I25, I2I54, I2320, I234I, I2383, I2420, I2522, I3246, I3283, I35I7(o), I35I9, I3520, I3522, I3524, I3529, I3583, I3668
- var. vulgare 8700, 92I0, 9444, 9445, I0008, I02I8, I0220, I0244, I0247, III28, II694, I2420, I327I, I3283, I3284
- - f. subsalina Pr.-Lavr. II805(p)

Diatomella Grev.
balfouriana Grev. 8266, I0472
- var. balfouriana 972I
hustedtii Manguin I0472
minuta Hust. I0472
salina var. brevistriata Voigt I0472
salina Voigt var. salina I0472
- var. septata (Nik.) Makar. I0472, II083, II085

Dicellula Swir.
inermis Pott II584, II586(o,p)
planctonica Swir. 800I, 8700, 980I, I0046, II866, II967, I3279, I3287

Dichotomosiphon Ernst
tuberosus (A.Br.) Ernst 7I85, I3526

Dicladia Ehr.
sp. sp. 8370
capreolus Ehr. 972I, I3362

Diconodinium Eis. et Cook.
multispinum Eis. et Cook. 8048-8049(o,p)

Dictyocha Ehr.
sp. sp. 7063, 7824, 7972, 8360, 9054, 9I37, 9952, I0982, II20I, II3II, I2I53, I3I7I, I3649
ausonia Defl. 8254, II334
bachmanii Dumetr. 8997
biapiculata Lemm. 9952(p)
- f. eocenica Krotov et Schibcova 9952(p)
bimucronata (Defl.) Tsumura 8365
crux (Ehr.) Häck. 8990, 9220, I0982
deflandrei var. bicornuta Gles. 8359(o,p), II334
- var. completa Gles. 8359(o,p), 8364
- - f. completa 8359(o,p)
- - f. producta Gles. 8359(o,p)
dichotoma (Huds.) Lamour. 7636, 8592
elata Gles. 8359(o,p), 8362
- var. elata 8359(o,p), I32I6
- var. media Gles. 8359(o,p), 8738, I0384, II334
- - f. media 8I49, 8359(o,p), 8364(p), I32I6
- - f. reducta Gles. 7492, 8I49, 8359(o,p), 8364(p), I32I6
- f. reducta Gles. II334
elongata Gles. 8359(o,p), 8990, II334

fibula Ehr. 7287, 7633, 7956, 7973, 8360, 8362, 845I, 8738, 8762, 8763, 878I, 898I, 8982, 899I, 8994, 8997, 9002*, 9220, 922I, 96I9, 97II, 9952(p), I0886-I0888, I089I, I0976, I0978, I0980-I098I, I0982(p), I20I9, I2I53, I2223, I2597, I2898, I3206, I3495, I3707
- var. aculeata Lemm. 8362, 898I, 9002*, I2I53
- f. ausonia I0982
- f. eocaenica Krotov 9952(p), II334
- var. fibula 8365, II334
- - f. fibula 8364, 8370, I3358, I3362
- f. fibula 8997(p)
- var. longispina Lemm. I2I53
- var. messanensis (Häck.) Lemm. 8362, I2I53
- f. mutabilis I0982
- var. pentagona Schulz II334
- f. rhombica Schulz 9002, II3II
- var. rhombus (Häck.) Lemm. 82II, 8365, II334, I3707
frenguellii Defl. 8362
- var. carentis Gles. 8359(o,p), I0579, II334, I32I6
- - f. carentis 8359(o,p), 8364(p)
- - f. incerta Gles. 8359(o,p), 8364, I32I6
- var. frenguellii II334, I32I6
- f. incerta Gles. II334
furcata Jousé 9952
hexacantha Schulz 8I49, 8362, 8364, 8365, 8370
lamellifera Gles. 8359(o,p), 8362, I3369
- var. constricta Gles. 8359(o,p)
- var. hastata Gles. 8359(o,p)
- var. lamellifera 8359(o,p)
navicula Ehr. 7829, 8II0, 8362, II3II, II334, I3I63
- var. biapiculata Lemm. 7287, 8738, I3707
- var. trispinosa Schulz I3707
obliqua Gles. 8359(o,p)
octonaria Ehr. 898I, II980
rotata Gles. 8363(o,p)
rotunda var. secta Gles. 8359(o,p), 8362, 8364(p), 8365, II334, I32I6
rotundata Jousé 7822, 7824, 7826, 7829, 8355, 8359(o,p), 845I, 9952, I0579, I3707
- var. rotundata 8359(o,p), 8362, 8364(p), 8365, II334, I32I6
schauinslandii Lemm. 8254,
speculum Ehr. 9220, 96I9, II537
spinosa (Defl.) Gles. 8I49, 8364, 8365, 8570
stauracanthus Ehr. 8997
staurodon Ehr. 9952(p), I0888
staurophorum Ehr. 899I
transitoria Defl. 8364, 9952(p), II334, I32I6
triacantha Ehr. 8254, 8362, 9952(p), I0982, II3II, I2039, I3I7I, I3363, I3707
- var. apiculata Lemm. 9952(p), II334, I3369
- - f. apiculata 8364
- - f. minor Schulz II334
- var. oecaenica Krotov 9952(p)
- var. flexuosa (Str.) Gles. 8I49, 8362, 8364(p), 8365, 8370
- var. hastata Lemm. 8365, II334, I3358

- var. inermis f. minor Gles. 8359(o,p)
- f. minor Schulz 8365
- var. spicata f. minor Schulz 8364
- var. spiculata Lemm. 8365
- var. triacantha 8365, II334
- - f. triacantha 8370
Dictyochloris Visch.
fragrans Visch. et Starr 8570
globosa Korsch. 9748(o), 9882, I2I75, I3026, I3520
reniformis Korsch. 9882, I0280, II860
Dictyococcus Gern.
sp. sp. 89I6, 8930, I2932-I2936, I2939, I2940
gerneckii Wille IIII7
irregularis Boye-Pet. 7676, IIII7, II720, I2I95, I2449, I28II, I3453, I3666
mucosus Korsch. 7225
pseudovarians Korsch. 8570
varians Gern. 96I7, II720, I3666
Dictyolithus Górka
emendatus Luljewa I0427(o,p), I0434
transversus Luljewa I0430(o,p), I0433
verus Luljewa I0430(o,p)
Dictyoneis Cl.
jamaicaensis (Grev.) Cl. 9720
Dictyophycus Korde
sp. sp. 9823
pseudotabulatum Korde I2752
Dictyopteris Lamour.
sp. sp. I275I
divaricata (Okam.) Nagai 7636, 7786(o,p), 8592, I2607, I3633
Dictyopyxis Cook. et Eis.
areolata Cook. et Eis. 8048-8049(o,p)
Dictyosiphon Grev.
sp. sp. 7577, 7684, 7685, 8064, 9026, 954I, II78I, II782, I2406, I2537(p)
chordaria Aresch. 760I, 8054, 8065(o), 8073
foeniculaceus (Huds.) Grev. 7II8, 760I, 7604, 7606, 7608, 76II, 7942, 8054, 8060, 8070, 8279, 8550, 8592, 9I24, 9406, I0II0, II378, II379, II384, I2607, I2907, I3633, I3645
- f. hippuroides (Lyngb.) Levr. I3687
hippuroides (Lyngb.) Kütz. 7606, 76I3, 7636, 7942, 8054, 8070, 8073, 8279, 8550, I0II0, II378, II379, I2607, I2907, I3633, I3708
hispidus Kjellm. 7606, 8550, II378
mesogloja Aresch. 9I24
Dictyosphaeriopsis Schmidle
palatina Schmidle 8038, 8700, II45I
Dictyosphaerium Näg.
sp. sp. 7I55, 7243, 7465, 7469, 747I, 747I, 8258, 8584, 8939, 9I08, 9I49, 9959, 999I, I0040, I004I, I0074, I0080, I0I39, I0I77, II076, II73I, II737, I2236, I234I, I2477, I26I2, I2667, I2833, I2895, I3I42, I3266, I3645, I3736
anomalum Korsch. 9289, 945I, 9749(o), 9882, I0I72, I327I, I3530
ehrenbergianum Näg. 7I03, 7250, 7757, 7984, 7993, 800I, 8038, 8098, 8I97, 8202, 8473, 8555, 8604, 89I4, 90I9, 9053, 9I08,

9220, 9298, 9568, 9643, 9649, 980I, 9959, I0008, I0046, I0077, I0079, I0080, I0082, I0I48, I0I90, I02I8, I0220, I0276, I0277, I0280, I0283, I0646, I074I, I0822, I0925, III98, II537, II672, II673, II697, II736, II864, II866, II88I, I2320, I2324, I2327, I2333, I245I, I2478, I2482, I2505, I2680, I2897, I2932, I2935, I2938, I30I4, I3I27, I3I99, I3245, I327I, I3272, I3520, I3536, I3537, I3594-I3595, I3642, I3689, I37I3, I372I
- var. subsalsum 7350, 9I24, 9I32
pulchellum H.Wood 7082, 7I02-7I05, 72I5, 72I7, 7224-7227, 7246, 7249, 7303, 7304, 7465, 7467, 7469, 7472, 7507, 756I, 7589, 7620, 7626, 7628, 7757, 7804, 796I, 7964, 7992-7994, 800I, 8038, 8I06, 8I97, 8202, 8260, 830I, 8308, 83I0, 83I6, 8473, 852I, 8544, 8553-8557, 8560, 858I, 8603, 8604, 87I5, 87I8, 8720, 880I, 8859, 8873, 8874, 8904, 8906-8908, 89II-89I9, 892I, 8924, 8930, 8940, 90I8(o), 9024, 9053, 9080, 9I34, 9I35, 92I0, 92I3, 9220, 9223, 9227, 9242, 9252, 9289, 9324, 9340, 9433-9434, 9438, 944I, 9446, 9568, 9648, 9649, 965I, 9674, 9687, 9748(o,p), 9749(o,p), 975I, 9755, 9800, 980I, 9882, 9932, 9938, 9944, I0007, I0039, I0042, I0077, I0079, I0080, I0082, I0085, I0II3, I0I30, I0I33, I0I75, I0I76, I0I95, I02I8, I0220, I0242, I0243, I0245-I0247, I0280, I0286, I0362-I0365, I0396, I0646, I0690, I074I, I0782(p), I0822, I0866, I0869, I0870, I0876, I0878, I0905, I0906, I0955, I0959, I0997, III36, III85, III90(o), III98, II452, II537, II584, II585, II672, II673, II683, II730, II736, II739, II792, II837, II847, II859, II860, II864, II866, II88I, II933, II965-II967, I2055, I2076, I2I75, I2320, I2323, I2324, I2327, I233I, I2333, I2342, I2346, I2347, I2350, I24I7, I245I, I2482, I2483, I2504, I2505, I2579, I2680, I2808, I2863, I2870, I2906, I30I2, I30I4, I3027, I3056, I3059, I306I, I3I20, I3I27, I3I77, I3I78, I3I97-I3200, I3202, I3245-I3247, I3249, I3250, I3267, I3273, I3398, I3504, I3520, I3524, I3535, I358I, I3594-I3595, I363I, I3689, I3736
- f. minus Ermol. 8926
- var. nanum Ermol. 8925(o,p)
- var. ovatum Korsch. 7804, 800I, 8038, 8700, 87-5, 9289, 980I, I0008, II672, II673, II866, I2I75, I24I4, I24I5, I24I9, I3026, I3246, I3530
- var. pulchellum 7462, 7470, 8700(p), 8908-89I0, 99II, 99I2, I0008, I0044, III28, II45I, II455, II675, I3270-I3272, I3274, I3294
- f. pulchellum 9I33
regulare Swir. I3736
reniforme Bulnh. 72I5, 9289, I0077, I0080, I0082
simplex Korsch. 7082, 800I, 8038, 9752, I0876, I0878, II967, I3026, I327I, I3272, I3274, I35II
Dictyota Lamour.
sp. sp. 7I56, I0I39, I0372
dichotoma (Huds.) Lamour. 8590, 94I8, 9420, I0I45, II384, I2368(p), I2607, I29I7, I3633, I3634
fasciola (Roth) Lamour. 7520, 8899, I0058, I0929, II358, II600, II60I, II605-II606, I2I39, I2I40

linearis (Ag.) Grev. 9418, 9420
spathulata Yamada I3633
Didymococcus
mucosus Korsch. I3009, I3010
Didymocystis Korsch.
sp. sp. 8038, 8939, 9752, I0194
inconspicua Korsch. 8925(o,p), 9801, I0008, I0046, II866, I2342, I3246, I3249
lineata Korsch. 8925(o,p), I2327, I3009, I3010, I3279, I3533
planctonica Korsch. 7627, 7628, 8038, 8925(o,p), 8926, 9755, 9801, 9864, I0046, I0363, I0905, II866, I2327, I2331, I2336, I3013
tuberculata Korsch. 8001, 8038, 9801, I0008, I0362, I0363, II866, I2504, I3246
Didymogenes Schmidle
palatina Schmidle 9801, I0646, I3009, I3010, I3246
Didymosphenia M.Schm.
sp. sp. 9106, 9670, I0370, I2338
dentata (Dorogostaisky) Skv. 8422, 9263, I2329, I3201, I3756(o,p)
- var. subcapitata Skv. et C.Meyer I3756(o,p)
geminata (Lyngb.) M.Schm. 7054, 7130-7132, 7135, 7142, 7287, 7489, 7494, 7530, 7531, 7548, 7973, 8301, 8307-8309, 8422, 8432, 8685-8687, 8690, 8691, 8700(p), 8738, 8781, 8896, 8976, 8981, 9057, 9059, 9060, 9199, 9204, 9261, 9263, 9292, 9353, 9504, 9689, 9694, 9715, 9749(o), 9932, I0241, I0245, I0247, I0248, I0369, I0532, I0548, I0549, I0951, II094, III94(o), II424, II451, II452, II529, II881, I2121, I2217, I2320, I2329, I2405, I2409, I2637, I2680, I3163, I3169, I3171, I3201, I3354, I3511, I3583
- var. curvata Skv. et C.Meyer I0900-I0904, II559
- var. sibirica Grun. I3756(o,p)
- - f. anomala Skv. et C.Meyer I3756(o)
- - f. curvata Skv. I3756(o,p)
- - f. subcapitata Skv. I3756(o,p)
- var. stricta M.Schm. I3756(o,p)
- - f. capitata Skv. et C.Meyer I3756(o)
- - f. curvata Skv. I3756(o)
Dikimdinella Kolosov
sp. sp. 9741
privica Kolosov 9740(o,p)
Dilophus J.Ag.
fasciola (Roth) Howe 7161, 7742, 7744, 7745, 8901, 9162(o), 9441I, II408, II409(o), II410-II412, II415, II417, II420, II423, I3043, I3047
- f. fasciola 8901, 9418, 9420
- var. repens (J.Ag.) Feld. 9420
- f. repens (J.Ag.) Feld. 9418
furcula Woronich. 8899, I0929
repens J.Ag. 7161, 8899, 9124, 9407, I0929, II408, II409(o), II410, II412, II415, II417, I1420, II422, II423, II570, II573, II582, I2140, I3313
Dilsea Stackh.
edulis Stackh. 7422
integra (Kjellm.) Rosenv. 9153, I3708

Dimerogramma Ralfs
sp. sp. 8737, 8738, 8981
fulvum (Greg.) Ralfs I0468
minor (Greg.) Ralfs 7597, 8444, 8737, 8738, I0384, I0389, I0391, I0468, II571, I3706
- var. nana (Greg.) V.H. 8738, II571
Dimorphococcus A.Br.
cordatus Wolle 8038, I0218, I0220, I2332(o,p)
lunaris A.Br. I0218
lunatus A.Br. 8038, 9451, 9568, 9801, 9932, I0008, I0220, II223, I2478, I3271
Dimorphosiphon Hoeg
sp. sp. 8376, 8378, 9823
diadromum Gnilovskaja 8377(o,p), 8378, I3637(o,p)
rectangulare Hoeg 8376, 8377(o,p), 8378, I3637(o,p)
Dimorphostroma Reis
sp. sp. 9833
Dingodinium Cook. et Eis.
jurassicum Cook. et Eis. 8048-8049(o,p)
Dinobryon Ehr.
sp. sp. 7173, 7242, 7252, 7461, 7462, 7500, 7620, 7777, 7799, 7803, 7805, 8228, 8263, 9104, 9105, 9108, 9149, 9252, 9308, 9393, 9674, 9748, 9749(o,p), 9943, 9971, I0007, I0041, I0324, I0456, I0538, I0798, I0799, I0996, II094, II210, II461, II583, II663(p), II670, II690, II793, I2245, I2320, I2323, I2327, I2356, I2617, I3074, I3117, I3120, I3189, I3444, I3499, I3583, I3661, I3699, I3730, I3736
balticum Lemm. I2004
bavaricum Imh. 7507, 7620, 7621, 7804, 7966, 8301, 8307, 8308, 8313, 8316, 8317, 8700, 8940, 9021, 9289, 9499, 9749(o), 9819, 9932, 9938, I0006, I0046, I0131-I0133, I0173, I0175, I0176, I0218, I0866, I0878, II451, II455, II864, II866, II881, I2327, I2331, I2416, I3010, I3631, I3736
- var. bavaricum 8197, I0008, I0220
- f. bavaricum I2333
- var. medium (Lemm.) Krieg. 8940, I0008, I0220, II025, II673
belingii Swir. II866
cylindricum Imh. 7243, 7246, 7249, 7252, 7799, 8038, 8196, 8202, 8301, 8307, 8308, 8310, 8353, 8473, 9568, 9670, 9672, 9674, 9686, 9687, 9690, I0220, I0821, I0866, III58, II595, II672, II673, II680, II866, I2331, I2910, I3217, I3218, I3631, I3736
- var. cylindricum 8306, II675
- var. palustre Lemm. 8306, 8310, 8700, 9674, 9687, 9749(o,p), II451, II452, II455, II881, I3631
divergens Imh. 7103, 7215, 7218, 7227, 7246, 7249, 7250, 7344, 7469, 7507, 7757, 7799, 7804, 7877, 7966, 7992, 8001, 8038, 8202, 8300, 8301, 8304, 8307, 8308, 8310, 8313, 8316, 8353(o), 8473, 8521, 8555, 8697, 8700(p), 8907, 8940, 9018(o), 9019-9021, 9108, 9242, 9257, 9289, 9435, 9436, 9438, 9439, 9441, 9498(o), 9499, 9568, 9643, 9648, 9649, 9651, 9664, 9666-9668, 9670, 9673-9675, 9686, 9687, 9690, 9694, 9700, 9748(o,p), 9749(o,p), 9751, 9801, 9932, 9938, I0006, I0039, I0044, I0046, I0077, I0080, I0082, I0113, I0114, I0132, I0133, I0177, I0305, I0363, I0455, I0539,

I0644, I0646, I0822, I0878, II088, III30, II223, II455, II457, II488, II594, II672, II673, II680, II683, II739, II864, II866, II879, II88I, II899, I2049, I2052, I2093, I23I8, I2320, I2323, I2327, I233I, I2336, I24I6, I2478, I2482, I2630, I2680, I27I0, I2808, I2863, I2870, I2993, I30I2-I30I4, I3027, I3057, I3I27, I3I97, I3I99, I3200, I3245, I3249, I3398, I3504, I3506, I3509, I35I2, I35I5, I35I7(o), I3526, I3535, I3583, I3593-I3595, I363I, I364I, I3642, I3699, I37I3, I37I7, I373I, I3736

- var. angulatum (Sel.) Brunnth. 7507, 7620, 762I, 9020, 9024, 9289, 9433-9434, 9438, 9748, 9749(o), 980I, I02I8, I0220, II866, I2579, I2580, I35I5, I3530, I3535
- var. angulosum (Sel.) Brunnth. 8038
- var. divergens 7462, 8I97, 89I0, I0008, I02I8, I0220, III28, II45I, II452, I2333, I2579, I327I
- var. pediforme Lemm. 8473, 980I

elegans Korsch. I0I3I, I0I32, I0I77, I0866, II673
- f. glabrum Korsch. 8038, 8700, II45I

marchicum Lemm. I2049
marssonii Lemm. I2347
pediforme (Lemm.) Steinecke 7224, 830I, I0006, I0I77, I02I8, I2049, I363I
pellucidum Lev. 7350, 7353-7355, 9I24, 92II, 9220, 9223, II087, II088, I27I0, I2892, I3645
proteus Wisl. I0I77
sertularia Ehr. 72I8, 7250, 7297, 7507, 800I, 8038, 8258, 8308, 8473, 8748, 8859, 902I, 9I24, 9220, 9242, 9292, 9298, 9433-9434, 958I, 9643, 9648, 9649, 965I, 9664, 9666, 9667, 9670, 9694, 9749(o,p), 975I, 980I, 9932, 9959, I0046, I0077, I0080, I0082, I0I3I-I0I33, I0I95, I0220, I0276, I0279, I0280, I0362, I0646, III83, II223, II537, II739, II790, II864, II866, II88I, II965, I2049, I2050, I2052, I2055, I2I75, I2324, I2327, I233I, I2336, I2369, I24I6, I30I2, I30I4, I3056, I3057, I3I27, I3I78, I3I99, I3208, I3266, I3268, I327I, I3275, I3373, I3398, I3488, I35I5, I3526, I3530, I3537, I3581, I363I, I364I, I3642, I3689, I3699, I3736

- var. protuberans (Lemm.) Krieg. 8038, I2327, I2482
- var. sertularia I0008, III84, I2482, I3294

sociale Ehr. 7249, 7469, 7507, 7805, 8038, 8202, 830I, 83I0, 83I6, 83I7, 9192, 9568, 9643, 965I, 9670, 9687, 975I, 980I, 9932, 9938, I0006, I0039, I0042, I0046, I0048, I0080, I0082, I0I32, I0I33, I0I73, I0I76, I0I77, I02I8, I0220, I0366, I0455, I0690, I0875, I0878, III30, III58, II672, II673, II866, II88I, I23I8, I2323, I2327, I24I6, I30I2, I30I4, I3057, I3I99, I3246, I3249, I3373, I35II, I3535, I3589, I3593, I3594-I3595, I363I, I364I, I3642, I3736, I3746

- var. sociale 8697, I0008, I0I33, III28, I2333
- var. stipitatum (Stein) Lemm. 7246, 8038, 8697, 8700, 9687, 980I, I0008, I0I33, I0455, III28-III30, II45I, II452, II455, II672, II673, II866, II88I, I233I, I3I78, I363I

spirale Iwan. 800I, I0008, I0220, I0363, I0866, I0878
stipitatum Stein 9I08, 9568, I0305, II864, I3699, I3736
- var. bavaricum Imh. 8473
- subsp. eustipitatum 8038

suecicum Lemm. 7992, 8700, I0366, III223, II45I, II864, II866, I233I, I3736

- var. longispinum Lemm. I0046
- var. suecicum I0008

utriculus Stein 8038

Dinophysis Ehr.

sp. sp. 7050, 8760, 9I4I, 922I, 9785, I0475, II834, II997, I2I53, I2223, I2597, I2669
acuminata Clap. et Lachm. 82II, 9220, I089I, II537, I2004, I2I53, I2223, I2597, I27I0, I2892, I3645
acuta Ehr. 7950, 7952, 7954, 8266, 8763, 9I24, 9220, I00I7(o), I0888, I0889, I089I, I0892, II40I, II403, I2004, I2I53
apiculata Meunier 9220
arctica Mer. 7954, 9I24, 9220, I0886, I0888, I2004, I2892
baltica (Pauls.) Kof. et Skogsb. 9I24, 9220, I0079, I0080, II093, II537, I27I0, I3522, I3645
cassubica Wołosz. I2004
caudata Sav.-Kent 706I, 9I4I, 9220, 922I, 9568, II537, I2223, I2444
curvata Schill. I2223
fortii Pav. 9220
hastata Stein 9220, I0886, I0888, I2I53, I2597
homunculus Lemm. 706I, 7063
islandica Pauls. I00I7(o)
- f. obtusa Pauls. I00I7(o,p)
- f. obtuso-verrucosa Pauls. I00I7(o)

levanderi Wołosz. 9220, II537
miles Cl. 7063, 9I37, 9I38
- f. indica Ostf. et J.Schm. I00I5, I00I6, I2594-I2596, I2598

norvegica Clap. et Lachm. 7954, 82II, 9220, 9223, 9747, I00I4, I00I7(o), I0886-I0888, I0892, II093, II993, I2I53, I2444, I27I0, I2892, I2955, I2956, I3645
- var. crassior Pauls. I00I7(o)
- var. laevis I.Kiss. I2892
- var. norvegica I2004

ovum Schütt 706I, 8530, 9220, II537, I2I53
- var. baltica Pauls. II087, I27I0
- var. ovum I27I0

parva Schill. I2I53
paulsenii Wołosz. 7952, 7954, 9220, II537
punctata Jörg. I0888, I2I53, I2892
rotundata Clap. et Lachm. I0886, I0887
sacculus Stein 706I, 7063, 8763, 9220, II537, I2222, I3249
schroederi Pav. I2223
schuettii Mur. et Whitt. 706I, 9993(o,p)
sphaerica Stein 7954, 9220, I0886-I0888, I089I, II537, II994, I2004, I2I53
tripos Gour. 706I, 9220, I00I7(o,p), I0092, I2669, I3249, I3522
truncata Cl. I2892

Dinopterygium Defl.

cladoides Defl. 8048-8049(o,p), I3567(p)

Diplofusa Cook. et Eis.

gearlensis Cook. et Eis. 8048-8049(o,p)

Diplonels Ehr.

sp. sp. 7063, 7287, 7496, 7828, 8254, 8365, 8370, 8737, 8738,

878I, 898I, 8990, 9029, 9I24, 9204, 9360, 9457, 9463, 957I, 9572, 97II, 9720, 972I, 9748(o), 9749(o), 9972, I0099, I0I02, I0226, I0379, I0380, I0384, I04I4, I0549, I0900, I0939, I0980-I098I, II094, II688, II88I, II9I0, I2004 I2223, I3I62, I3353, I3499, I3706
baikalensis Skv. et C.Meyer II688, I320I, I3756(o,p)
boldtiana Cl. 9749(o), I0956, II3II, II694, I3668
- var. baikalensis Skv. I35I7(o), I3756(o,p)
bomboides (A.S.) Cl. 8738, I0384, I0388
- var. media Grun. 8738, I0I02
- var. moesta (A.S.) Cl. 7287
bombus Ehr. 753I, 7597, 7868, 7869, 8034, 8737, 8738, 896I, 898I, 9I95, 9456, 9458, 9463, 97I3, I0I0I, I0I02, I0384, I0388, I039I, I0982, II3II, II537, II967, I2I5I, I3I60, I3I6I, I3I65, I3I7I
- var. bombiformis Hust. 97II
- var. bombus 9457-9459, I0226
chersonensis (Grun.) Cl. 7597, 8738, 9029, 9458, I0384, I0388, I039I, I0468, I3495
- var. chersonensis 9457
coffaeiformis (A.S.) Cl. 972I
constantinii (Skv.) Skabitsch. I320I
constricta (Grun.) Cl. 9029
crabro Ehr. 7597, 87.8, 9029, I0384(o,p), I0388, I0389, I039I
- var. pandurella Cl. I3645
- var. separabilis (A.S.) Cl. 9029
decipiens A.Cl. 7I30, 8738, I020I, I0384, II907, II908
didyma (Ehr.) Cl. 7973, 7975, 8738, 878I, 8784, 9029, 9220, 9357, 9459, I0I02, I0I98, II279, II578, II694, I2899, I3205, I3206, I3495, I3645, I3668, I3706
domblittensis (Grun.) Cl. 7054, 7502, 8738, 878I, 9I95, 9357, 9444, I0099, I0956, I3I6I, I3I7I, I3354, I3645, I3756(o,p)
- var. baikalensis Skv. I320I, I3756(o,p)
- var. domblittensis 9457-9459
- var. subconstricta A.Cl. 7054, 7973-7975, 878I, 8782, 8784, 8976, 9356, 9360, 9457, 9459, I037I, I0543, III26, II442, II694, I3I6I, I3I7I, I3206, I3668
elliptica (Kütz.) Cl. 7054, 7I39, 7700, 7973, 7974, 830I, 8694, 8738, 878I, 8976, 9057, 9059, 9220, 9444, 9445, 9568, 9748(o), I02.8, I0220, I024I, I0548, II694, II866, II930, II935, I3I68, I3I7I, I320I, I3249, I3354, I3499, I3504, I35I7(o), I35I9, I3529, I3646, I3647, I3668, I3704
- var. elliptica 9459, 972I
- var. genuina Cl. II866
- var. ladogensis Cl. 7287, 7489, 7973, 869I, 8700(p), 8738, 878I, 9057, I0080, I0548, II3II, I320I, I3756(o,p)
- var. ostracodarum (Pant.) Cl. 8738, II3II, I3I7I
finnica (Ehr.) Cl. 7489, 7700, 7975, 8249, 830I, 878I, 98I9, I0939, I3354, I3706
- var. clevei (Font.) Hust. 7054, 7973, 8687, 869I, 8694, 8700(p), 878I, I3354
frickei V.H. 9000
fusca (Greg.) Cl. 753I, 8738, 898I, 9459, II442
- var. fusca 9464(o), 972I

- var. pervasta (Pant.) Hust. I0I02
gemmatula (Grun. Cl. 8384, 9087(p)
gorjanovicii (Pant.) Hust. 9456, 9459, 946I
incurvata (Greg.) Cl. 7494, 7497, 8368(o,p), 8370, 8738, 9029, I0384(p), I039I, I3645
interrupta (Kütz.) Cl. 706I, 7I30, 7I32, 7I37, 7490, 749I, 7493, 7494, 7497, 7973, 7975, 8738, 878I, 8972, 898I(p), 9002, 9029, 9052, 9060, 9I95, 9220, 9360, 9449, 9568, 97I5, 972I, 990I, I0I02, I020I, I0280, I037I, I0382, I0384, I0548, I0939, I0975, II3II, II694, II908, I27I0, I3I62, I3I63, I3I7I, I3206, I3495, I3645, I3668, I3694, I3706
- var. heeri (Pant.) Hust. I3706
lata Skv. I3756(o,p)
- var. minuta Skv. I3756(o,p)
- var. punctata Skv. I3756(o,p)
lateelliptica Skabitsch. I320I
lineata (Donk.) Cl. I0388, I039I
litoralis (Donk.) Cl. I3706
- var. arctica Cl. 7054, 8687, 8690, 869I, 8700, II45I, II452
- var. clathrata (Östr.) Cl. 8738, I289I, I2892, I3706
marginestriata Hust. 7054, 7973, 8922, I3495
- var. marginestriata 869I, 8700(p)
- var. nipponica Skv. I3706, I3756(o,p)
mauleri (Brun) Cl. 7975, 8782, II694, II930, I3354
mediterranea (Grun.) Cl. 7494, 7497, 8738
meyeri Skabitsch. 7973, 7975, I3756(o,p)
nitescens (Greg.) Cl. 8370
norvegica Clap. et Lachm. I2962
notabilis Grev. I0I02
- var. tenera Pr.-Lavr. 9464(o)
oculata (Bréb.) Cl. 7489, 9449, II694, I2320, I3I68, I3354, I3668
ovalis (Hilse) Cl. 7I42, 7I88, 72I5, 72I7, 7222, 762I, 7700, 7973, 8038, 8738, 878I, 8976, 9057, 9059, 9060, 9242, 9357, 9360, 9362, 9648, 9649, 9666, 9694, 97I5, 980I, 98I9, 9944, I0099, I020I, I0548, I0646, I09I2, I0955, I0956, I0975, II529, II694, II930, II932, I2320, I27I0, I3I68, I3353, I3354, I3522, I3668, I3756(o,p), I3757(o)
- var. nipponica Skv. I3756(o,p)
- var. oblongella (Näg.) Cl. 8038, 830I, 878I, 9057, 9444, 9456, 9459, 9460(o), 980I, II694, I35I7(o), I3522, I3524, I3668
- var. ovalis 8423, 9444, I0226, I0902, I327I
papula (A.S.) Cl. 7597, 8738, 9029, I0384
parma Cl. 7054, 7489, 7973, 8038, 830I, 8686, 869I, 8700(p), 878I, 9357, 9932, I0I5I, I0245, I0247, I0902, I0939, III94(o,p), II3II, II45I, II694, I2037, I3503, I3504, I35II, I35I7(o), I3706
poretzkyi Tscher. 8370(p)
pseudoovalis Hust. 830I, 8972, 9357, III28, III29, III94(o,p), II579, II694, I3294
puella (Schum.) Cl. 8738, I3756(o,p), I3757(o)
- var. baikalensis Skv. I3756(o,p)
rhombica Skabitsch. II537

skvortzowii Skabitsch. I320I
- var. punctata (Skv.) Zabelina I320I
smithii (Bréb.) Cl. 749I, 7497, 7530, 753I, 7685, 7973, 7975, 800I, 8038, 8I48, 8254, 8709, 8738, 878I, 897I, 8973, 898I(p), 90I8(o), 9029, 9I95, 9220, 9356, 9357, 9360, 97I5, 9748(o), I0I02, I039I, I0548, I093I, I0939, II085, II424, II442, II537, II545, II547, II579, II933, I2I22, I2320, I2680, I27I0, I289I, I3I60-I3I63, I3I65, I3I7I, I3206, I3353, I3363, I3495, I35I7(o), I3645, I3668
- var. borealis Grun. 8738, 9029, 9220, 972I, I3353, I3706
- var. constricta Heid. 7I37, I020I, I3694
- var. pumila (Grun.) Hust. 7054, 7973, 800I, 8384, 869I, 8700(p), 8737, 8738, 878I, 9057, 9087(p), 9242, 9457, 9459, 9460(o), 9666, I02I8, I0220, I0548, I07I5, III84, III94(o), II694, I3353, I3354, I3499, I35I7(o), I3524, I3583, I3706
- - f. baikalensis (Skv.) Zabelina I0548
- var. rhombica Mer. 7975, 8738, 878I, 8782, 9360, I3645, I3724
- f. rhombica Mer. 7975, 8973, 9357, 9360, I0548, I0939, I3I63, I3I7I, I3353, I3526
- var. smithii 9456-9459, I0226, I0468, II694
- - f. rhombica Mer. 972I
- - f. smithii 972I
splendida (Greg.) Cl. 898I, I3645
- var. diplostricta (A.S.) Cl. II442
- var. splendida II442
stroemii Hust. 7869, 8737, 8738, I3I7I, I3706
subadvena Hust. I3249
subcincta (A.S.) Cl. 7I30, 7I32, 7I37, 749I, 7494, 7497, 7530, 753I, 7975, 8254, 8737, 8738, 898I(p), 9002, 9029, 972I, I020I, I037I, I0384, I039I, II424, I3I60, I3I62, I3353, I3495, I3694, I3706
suborbicularis (Greg.) Cl. 753I, 8738, 898I, 9029, 9457-9459, 972I
subovalis Cl. 8738, I0I52, II694, I3668
- var. baikalensis Skv. I320I, I3756(o,p)
sulcata Kütz. II424
taschenbergeri (A.S.) Hust. I3353
turgida Skv. I3756(o,p)
- var. bipunctata Skv. I3756(o,p)
vacillans (A.S.) Cl. 9220, I3706, I375I
vetula (A.S.) Cl. 972I, 9873, 9874, I0468, I3353
- var. minor Jurilj I3353

Diplopora Schafhäutl
sp. sp. 9823
americana J.H.Johns. 9827, 9828, 983I
helvetica Pia 983I
pamirica Korde 983I
permica Korde 9826(o,p), 9827, 983I

Diplopsalis Bergh
sp. sp. I3645
caspica Ostf. 9I24
lenticula (Bergh) Schill. 706I
- f. minor Ostf. I27I0
pilula Ostf. 9I24, I27I0

Diplotesta Cook. et Eis.
glaessneri Cook. et Eis. 8048-8049(o,p)

Disciferium Vologd.
primus Vologd. 8II4

Discoaster Tan Sin Hok
sp. sp. 7635(p), 8254, 899I, I0978, I29I8(p), I3299
aster Braml. et Ried. 7635(p), 8I49
- var. costatus Gorgul. 8472
barbadensis Tan Sin Hok 8I49, 97I3
binodosus Mart. 8538, I3474
brouweri Tan Sin Hok 7635(p), I29I8(p), I292I(p), I2922, I3474, I3475(o,p)
challengeri Braml. et Ried. 7635(p)
crassus Mart. 8472, I292I(p), I2922, I3475(o,p)
cruciformis Mart. 8472
distinctus Mart. I3474
elegans Braml. et Ried. I3474
floridus var. petaliformis Gorgul. 847I
flososimilis Orech. II257(o,p)
germanicus Mart. I3474
helianthus Braml. et Sull. I3474
kuepperi Str. I3474
lenticularis Braml. et Sull. I3474
lodoensis Braml. et Ried. 8538, 97I3, I3474
martinii Str. I3474
mirus Defl. 8538, I3474
multiradiatus Braml. et Ried. 97I3, I3474
tribrachiatus Braml. et Ried. 97I3, I29I8(p), I3474
unguineus Schamr. et Laz. 8472
woodringii Braml. et Ried. 7635(p), 97I3, I29I8

Discolithina Loeblich et Tappan
japonica Takayama I2922

Discolithus Kampt. ex Defl.
sp. sp. I29I8(p), I3465
bellus Vischnevsky et Menjaylenko 7976(o,p)
bochitnicae Górka II257(o,p)
bucerus Luljewa 8785
dentatus Schamr. I3297(o,p)
dualis Vischnevsky et Menjaylenko 7976(o,p)
fenestratus Schamr. I3297(o,p)
fimbriatus Braml. et Ried. I3474
macroporus Defl. 8I49, 8785
multicavus Górka I3297(o,p)
pulcher Defl. 8I49, I3474
punctatus Braml. et Sull. 8I49
teres Vischnevsky et Menjaylenko 7976(o,p)
torosus Orech. II257(o,p)
torulosus Schamr. I3298(p)
trabeculatus Górka II257(o,p)
transformis Górka II257(o,p)
vermiculatus Vischnevsky et Menjaylenko 7976(o,p)
verrucatus Orech. II257(o,p)

Discorhabdus Noël
sp. sp. I3473
cruciatus Schumenko I3469
patulus Noël I3469

Discosphaera Häck.
crucifera Gaard. I2I53
thomson'i Ostf. 8763
tubifer (Mur. et Blackman) H.Lohm. I0888, I20I9, I2I53
Dispora Printz
crucigenioides Printz 8038, 9289, 9340, I0II3, I2680, I30I0, I3279
vilhelmii Pott II585
Disporopsis Korsch.
pyrenoidifera Korsch. 9749(o)
Distephanus Stöhr.
sp. sp. 7063, 7950, 7972, 8355, 8360, 9054, I2I53, I2365
antiquus Gles. 8I49, 8355, 8359(o,p), 8362, 8364(p), I0579, II334
calyptra Häck. 9952
crux (Ehr.) Häck. 7956, 8I49, 8254, 8362, 8364, 8737, 8738, 8990, 8997, II334, I3353, I3363(p)
- var. crux 8364(p), 8365, 8370, I3358
japonicus (Defl.) Gles. 8362, 8997(p)
- f. pseudofibula (Schulz) Gles. 8362
octonarius (Ehr.) Defl. 8994, 8997, 9002
- var. polyactis (Jörg.) Gles. 8994, 8997, 97II
polyactis (Ehr.) Lemm. 899I
speculum (Ehr.) Häck. 75I7, 7829, 7952, 7954, 7972, 7973, 82II, 8360, 8362, 8737, 8738, 8763, 878I, 898I, 899I, 8997, 9000, 9002, 9029, 9227, 9232, 9572, 9598, 9708, 97II, 9747, 9952(p), I00I7, I033I, I0890, I0892, I0980-I0982, II40I, II403, II994, II997, I2006, I2223, I2597, I2669, I27I0, I2898, I2956, I3I60, I3I62, I3I7I, I3206, I3353, I3362, I3495, I3645
- var. cannopiloides (Pr.-Lavr.) Gles. 8362, 8997, 972I, I3358, I3362
- var. octonarius (Ehr.) Jörg. 82II, 8738, 9232, II334, I2I53, I289I
- var. pentagonus Lemm. 8365, 8738, 8997, II334
- var. regularis Lemm. 8738, I0886-I0888, I089I, II375, I2I53, I2892
- var. septenarius (Ehr.) Jörg. 82II, 8364, 8738, 8990, 8997, I00I3, II334, I289I, I2892, I3I62, I3353
- var. sextenarius 8997
- var. speculim 972I, II334, I2004
spinosus (Defl.) Gles. 8362
stauracanthus (Ehr.) Häck. 8362
Distigma Ehr.
curvatum Pringsh. 73II, 73I3, 73I5(o,p), 73I7
globiferum Skuja 73II, 73I3, 73I5(o,p), 73I6, 73I7
gracile Pringsh. 73IF, 73I5(o,p), 73I7
proteus Ehr. 73I5(o,p), 73I7
Ditylum Bail. ex L.Bail.
sp. sp. I0206, I0749, II8I5, I3388 c.
brightwellii (West) Grun. 7954, 82II, 8292, 898I, 9I24, 9I38, 9I4I, 92II, 9220, 9223, 9805, 9965, I00I7(o), I0208, I0209, I08I4-I08I9, II537, I2223, I2669, I3536
sol Grun. I00I5, I00I6

Docidium Bréb. ex Ralfs
sp. sp. 7250, 8308
baculum Bréb. 9478, 9748(o,p), I0I60, II88I
undulatum Bail. I0I60, I2I75, I3654
Donezella Masl.
sp. sp. 708I, 9389, 9823, I0295, I0533, III08, III09, II569, I2I44, I3093, I3233
lutuginii Masl. 9823
Donkinia Ralfs
carinata (Donk.) Ralfs II083, II085
Dracodinium Gocht
solidum Gocht 8048-8049(o,p)
Draparnaldia Bory
sp. sp. 8I84, 8I85, 830I, 8430, 9II0, 9203, I0644, II67I, II690, II88I, I2247, I2337, I2338, I2667
arenaria C.Meyer 9263, I0877, I2329
arnoldii C.Meyer 7547, 7548, 9260, 926I, 9263, I2329
baicalensis C.Meyer 7547, 7548, 8I84, 9260, 926I, 9263, 9670(o,p), I0877, I2329(p)
glomerata (Vauch.) Ag. 7989, 800I, 8038, 90I8(o), 9024, 9932, 9938, I0956, II866, I3522
- var. glomerata III85
goroschankinii C.Meyer 7547, 7548, 9260, 926I, 9263, I2329
lubrica C.Meyer I2329
pilosa C.Meyer 9670(p), I2329
plumosa (Vauch.) Ag. 7383, 8309, 90I8(o), 902I, 905I, 9289, 9688, 9689, 9749(o), 9932, 9938, I0I29, I0548, I0549, I0956, I2I2I, I2I22, I2522, I2637
simplex C.Meyer 7547, 7548, 9260, 926I, 9263, I0877, I2329, I2680
Draparnaldiella C.Meyer et Skabitsch.
arenaria (C.Meyer) C.Meyer et Skabitsch. I0689(p)
arnoldii (C.Meyer) C.Meyer et Skabitsch. I0689
baicalensis (C.Meyer) C.Meyer et Skabitsch. I0689(o,p)
goroschankinii (C.Meyer) C.Meyer et Skabitsch. I0689(p)
lubrica (C.Meyer) C.Meyer et Skabitsch. I0689
pilosa (C.Meyer) C.Meyer et Skabitsch. I0689(p)
pumila (C.Meyer) C.Meyer et Skabitsch. I0689
simplex (C.Meyer) C.Meyer et Skabitsch. I0689
villosa (C.Meyer) C.Meyer et Skabitsch. I0689
Draparnaldiopsis G.Sm. et Klyver
intermedia Obuch. I095I, III90(o), I3526
Dumontia Lamour.
incrassata (O.F.Mull.) Lamour. 7422, 760I, 7606, 76II, 76I3, 7636, 8054, 8550, 9026, 9406, II383(o), II384, I2064, I2604
simplex Cotton 8054
Dunaliella Teod.
sp. sp. 7I28, 92I4, I0526, I0633, I0636, I0640, I355I
euchlora Lerche 8033, 8570, I0624, I0630, I0633, I0636, I0640
minuta Lerche I0630, I0633, I0636, I0638-I0640
parva Lerche I0630, I0639, I3556(o,p)
primolecta Butch. I0640
salina Teod. 7I29, 7520, 785I, 7852, 7932, 8033, 8273, 8570, 88I4, 8844-8857, 9I24, 9959, 9989, I02I4, I06I8-I062C, I0622, I0628, I0630, I0633, I0635-I0637, I0639(p), I0640, I0642

I0786-I0789, I0823-I083I, I0985, II349, II35I, II358, II362, II857, I2243, I2368(p), I2972, I3005, I3035, I3097, I3I4I, I3552-I3555, I3556(o,p), I3557, I3750
tertiolecta Butch. I0640, II870
turcomanica Massjuk I0632(o,p)
viridis Teod.7I29, 7520, 7774, 7775, 9I24, I0786, I0789, II358, I2862, I3750
Durvillea Bory
sp. sp. 9I56
antarctica (Chamisso) Hariot 8056, 9I65(o), II429, II44I
Dvinella Chvorova
sp. sp. 9823, II244, I3233
comata Chvorova 9823, I2I36(o,p), I3236
Dysmorphococcus Takeda
variabilis Takeda 980I, I0046, I24I6, I3I27
Dzhulfanella Korde
gelatinosa Korde 9826(o,p), 9827, 9828, 983I
Echaninia Vologd.
mucosa Vologd. et Drosdova 8I3I(o,p)
Ecklonia Horn.
sp. sp. 9I56, I0409
Ecklioniopsis Okam.
sp. sp. I0409
Ectocarpus Lyngb.
sp. sp. 7684, 7685, 8275, 9II8, 9I20, 9245, 942I, I0II0, I0223, I0225, I0929, II630, II833, I2604, I2607, I2664
arabicus Fig. et De Not. 8899, 890I, 8902, 94I8, 9420, 942I
caspicus Henck. 9030(o), 9033(o,p), 9I7I(o), I0563(o)
confervoides (Roth) Le Jolis 7275, 7365, 7435, 7677, 760I, 76I0, 7942, 8054, 807I(o), 8279, 859I, 8899, 890I, 8902, 9I2I, 9I24, 9245(o), 94I8, 9420, I0II0, I0I45, I0222(o), II378, II383(o), II409(o), II4I0, II4I2, II570, I2664, I2907, I3030, I3687
- f. fluviatilis Kütz. 9II8, 9I23, 9I24
- f. pygmaeus (Aresch.) Kjellm. 9245, I0222
draparnaldioides (Crouan) Kjellm. 8279
fasciculatus Harv. 76I0, 9420, 942I, II378
hiemalis Crouan 76I0, 8899, 890I, 9406
penicillatus (Ag.) Kjellm. 7606, 7942, 8550, I0II0, II378, I2664
sandrianus var. baticus Reinke I3645
siliculosus (Dillw.) Lyngb. 76I0, 7275, 7942, 8054, 8064, 807I(o), 8279, 8550, 8899, 903I, 9I2I, 9I24, 9I54, 9I70(o), 9245(o), 9421, I0222(o), II378, II408, II409(o), II4II, II4I2, II420, II423, I2368(p), I2664, I3645
- f. varians Kuck. 7275
Ectochaete (Huber) Wille
leptochaete (Huber) Wille 7365, 9II8, 9I23, 9I24
Edelsteinia Vologd.
sp. sp. 9823
cylindrica Vologd. 9833
Eisenackia Defl. et Cook.
crassitabulata Defl. et Cook. 8048-8049(o,p)
Eisenia Aresch.
sp. sp. I0409

Elachista Duby
fucicola (Vell.) Aresch. 7577, 760I, 7606, 7942, 8070, 8279, 8550, 9I24, 9406, I0II0, II378, I2907, I3645
lubrica Rupr. 7606, 76II, 76I2, 8279, 9I54, I0II0
Elakatothrix Wille
sp. sp. 9944, II583
acuta Pasch. II584, I2327, I3246, I3249
gelatinosa Wille 7246, 9674, 9687, 980I, I0046, I0II3, I02I8, I0220, I0309, II672, II673, II866, I3057, I3736
gloeocystiformis Korsch. I0220, I2482
lacustris Korsch. 7082, 72I5, 800I, 8038, 8202, 89II, 89I6, 89I9, 9I33, 9438, 9687, I0007, I0008, I0046, I0II3, I02I8, I0220, I0365, II094, II672, II673, II794, I3057, I3246, I3249, I3287, I3509
pseudogelatinosa Korsch. I2327
subacuta Korsch. 800I, I2680, I35I4
Elenia Pojarkov
famena E.Byk. II722
Ellipsoidion Pasch.
sp. sp. 7750, III35, I3439
anulatum Pasch. 7755
regulare (Geitl.) Pasch. I2I95, I2574
solitare (Geitl.) Pasch. I30I0
Ellipsoplacolithus Schumenko et Uschakova
sp. sp. I3475(o,p)
latifolius Kampt. I292I(p)
productus Kampt. I292I(p)
Ellobiopsis Caullery
sp. sp. 92I5, 9220, 9223
chattonii Caullery 9220
Emergosphaera V.Miller
superficialis V.Miller I0280
Emslandia Gerl.
emslandensis Gerl. 8048-8049(o)
Endictya Ehr.
oceanica Ehr. 9220, II334
Endoceratium Vozzhen.
ludbrookii Cook. et Bis. 8048-8049(o,p)
Endoderma Lagerh.
viride Lagerh. 8899
Endoina Korde
stellata Korde 9826(o,p), 9827, 9828, 983I
Endonema Pasch.
moniliforme Pasch. I3008
Endosorinium Klem.
galeritum (Defl.) Klem. 8048-8049(o,p)
Endosphaera Klebs
biennis Klebs 8266
Englittosiphonia Segi
hakodatensis (Yendo) Segi I3633
Enteromorpha Link
sp. sp. 7362, 7363, 7449, 7577, 760I, 76II, 7744, 7907, 79II, 8038, 8056, 8072, 8239, 8527, 8528, 853I, 8532, 859I, 8863, 8875, 8878, 89I9, 9025, 9II8, 9I20, 9I23, 9245, 9402, 9407,

9541, 9571, 9728, 9916, 10139, 10144, 10223, 10224, 10339, 10372, 10409, 10644, 11227, 11237, 11239, 11310, 11385, 11398, 11580, 11833, 12095, 12351, 12406, 12495, 12608, 12664, 12893, 12916, 12917, 13306, 13312, 13633, 13645, 13687, 13688
ahlneriana Blid. 7943(o), 7948, 8901, 9030(o), 9033(o,p), 10563(o)
clathrata (Roth) Grev. 7161, 7636, 7943(o), 8279, 8592, 8901, 9030(o), 9031, 9033(o,p), 9118, 9123, 9152, 9417, 9418, 9420, 10563(o), 11384, 11409(o), 11412, 11420, 11421, 11423, 12751, 13669
- subsp. asiatica Vinogr. 7948
- subsp. clathrata 7948
compressa (L.) Grev. 7118, 7161, 7413, 7606, 7613, 8054, 8060, 8064, 8070, 8279, 8550, 8898, 8899, 8901, 8902, 9152, 9245(o), 9417, 9418, 9421, 10058, 10110, 10222(o), 10435, 10546, 10548, 10549, 11570, 11573, 11782, 12604, 12607, 12707, 12866, 13063, 13313, 13602, 13604-13606, 13633
crinita (Roth) J.Ag. 7161, 7275, 8311, 8550, 9120, 9124, 9245(o), 9420, 10080, 10222(o), 13313
erecta (Lyngb.) Hook. 11570, 11573
flexuosa (Wulf. ex Roth) J.Ag. 7943(o,p), 7948, 8901, 9031, 10210, 10563(o)
- subsp. biflagellata (Blid.) Blid. 9030(o), 9031, 9033(o,p)
- subsp. flexuosa 7636, 9030(o), 9033(o,p), 11421
- subsp. paradoxa Dillw. 8899, 8902
groenlandica (J.Ag.) Setch. et Gardn. 7946, 8550, 11378
intestinalis (L.) Link 7161-7164, 7172, 7222, 7606, 7744, 7745, 7861, 7943(o,p), 7947, 7983, 7987, 8000, 8001, 8038, 8054, 8064, 8073, 8279, 8311, 8312, 8550, 8565, 8591, 8592, 8809(p), 8897-8899, 8901, 8902, 9026, 9118, 9120, 9121, 9123, 9124, 9245(o), 9405, 9406, 9409, 9417, 9418, 9420, 9457, 9476, 9664, 9729, 9959, 10080, 10087, 10110, 10210, 10222(o), 10548, 10563(o), 10646, 10808, 10929, 10955, 11229, 11238, 11351, 11408, 11409(o), 11410, 11412, 11415, 11417, 11420, 11423, 11570, 11573, 11576, 11626, 11629, 11630, 11733, 12095, 12242, 12369, 12383, 12451, 12589, 12645, 12650, 12664, 13043, 13267, 13269, 13313, 13499, 13503, 13504, 13511, 13517(o), 13523, 13526, 13528, 13560-13562, 13565, 13633, 13640, 13669, 13727
- f. attenuata Ahln. 7172, 11142, 11378
- f. cornucopiae (Lyngb.) Ag. 10804
- f. crispa J.Ag. 7172, 9411, 11142
- f. cylindracea J.Ag. 9152
- f. intestinalis 7172, 7948
- f. murmanica Vinogr. 7948
- f. ramosa Vinogr. 7948
- f. saprobia Vinogr. 7948
jugoslavica Blid. 7948
linza (L.) J.Ag. 7118, 7161, 7282, 7636, 7943(o,p), 7948, 8054, 8060, 8070, 8864, 8899, 8901, 8902, 9030(o), 9031, 9033(o,p), 9407, 9417, 9418, 9457, 10145, 11384, 11409(o), 11410, 11412, 11420, 11421, 11423, 11607, 12064, 12604, 12607, 12664, 12751, 13151, 13633, 13720
maeotica Pr.-Lavr. 7948

minima 11880
minor L. 11600, 11601, 11605-11606, 11619
nana (Sommerf.) Sjöstedt 7606, 8054
- f. minima (Näg.) Sjöstedt 11378
perestenkoae Vinogr. 7948
pilifera Kütz. 7948
plumosa Kütz. 8054
procera (Ahln.) Blid. 7161, 9152, 9245(o), 9406
prolifera (O.F.Müll.) J.Ag. 7164, 7172, 7606, 7613, 7942, 7943(o,p), 8054, 8073, 8550, 8898, 8899, 8901, 9030(o), 9031, 9033(o,p), 9152, 9245(o), 9420, 9666, 10210, 10222(o), 10548, 10549, 10563(o), 11180, 11420, 11421, 11423, 11576, 11733, 12604, 13313, 13633
- f. prolifera 7948
- var. tubulosa (Kütz.) Reinb. 9245, 10222(o)
- f. tubulosa (Kütz.) Reinb. 8550
ramulosa (J.Sm.) Hook. 9245, 10222
salina Kütz. 7181, 7183, 7187, 8038, 9118, 9123, 9124, 9152, 10546, 10548, 10549, 11442, 12650, 12937, 12939, 12944
tubulosa Kütz. 9118, 9123, 9124, 9406, 12657(o), 12664

Entocladia Reinke
cladophorae (Hornby) G.Sm. 9175
salina Kütz. 9175
viridis Reinke 7937(o), 7942, 8054, 8060, 8070, 8901, 9406, 9418, 9420, 11378

Entogonia Grev.
sp. sp. 8990

Entonema Reinsch
sp. sp. 9165(o), 9869, 12607
aecidioides (Rosenv.) Kylin 8279, 11378
effusum (Kylin) Kylin 7942, 9031, 9171(o), 9406
eudesmides Tokida 8054
oligosporum (Strömf.) Kylin 7365, 7942, 8054, 8060, 8070, 9118, 9123, 9124, 9171(o), 11377(o), 11378, 13687

Entophysalis Kütz.
atroviolacea Nováček 8778(o)
granulosa Kütz. 11442
samoënsis Wille 13518

Entophysalites Laristschev
sp. sp. 10217
fossilis Laristschev 10217

Entopyla Ehr.
australis Ehr. 9872(o,p)
kerguelensis Karst. 9000

Entosiphon Stein
ovatus Stokes 7315(o), 7317
sulcatus (Duj.) Stein 7306, 7309, 7315(o,p), 7316, 7317, 7326, 7327(o,p), 7330

Eodinia Eis.
pachytheca Eis. 8048-8049(o,p)

Eodonezella Kul.
sp. sp. 13233, 13237(p)
antiqua Kul. 13236, 13237

Eogoniolina Endo
sp. sp. 9833

johnsonii Endo 9827, 9828, 9831
undulata Endo 9827, 9828, 9831
Eopseudoceratium Neale et Sarj.
gochtii Neale et Sarj. 8048-8049(o,p)
Ephippium Veksch.
acutiferrus Veksch. 7824
Epichrysis Pasch.
sp. sp. 7243
melosirae C.Meyer 7243, 7246, 8202, 9670, 9674, 9687, I1673, I3008
paludosa (Korsch.) Pasch. I3009, I3010
Epicladia Reinke
sp. sp. I1378
flustrae Reinke 7942, 9031, I1377(o)
Epimastopora Pia
sp. sp. 8681, 9823, 9833
alpina Koch. et Herak 9827
jewettii J.H.Johns. I3236
nipponica Endo 9827, 9828, 9831
piai Korde 9389, 9823, I3236
regularis J.H.Johns. I3236
Epiperidinium Gaard.
michaelsarsi Gaard. I2153
Epiphyton Bornem.
sp. sp. 7108, 8111, 8477, 8607, 9015-9017, 9467, 9822(p), 9823, 9828, I0544, I1127, I1572, I1657, I1868, I1960, I2077, I2223, I2233, I2753, I3094, I3182, I3231, I3233, I3235(o,p), I3237, I3596-I3597, I3700
achoricum Gudym. 8607, 8608(o,p), 8609
affluens Korde 9821(o,p), 9833
altum Korde 9821(o,p), 9833
amgaicum Korde 9821(o,p), 9822, 9833
amplificatum Korde 9821(o,p), 9833
anguinum Korde 9821(o,p), 9822, 9833
baicalicum Vologd. 8112
benignum Korde 9821(o,p), I2223, I2233
bifidum Korde 9821(o,p), 9822, 9833, I2223, I2233
bisporanginum Korde 9833
botomense Korde 9821(o,p), 9822, I2513
breviramosum Korde 9833
bublitschenkoi Vologd. 9822
buldyricum Antr. 7269, I0758, I3235(o,p), I3236, I3237
carptum Korde 8609, 9821(o,p), 9833, I1698, I2513
celsum Korde 9821(o,p), 9833, I2513
clausum Korde 9821(o,p), 9822
complexum Gudym. 8609
- f. semenicum Gudym. 8609(p)
- f. unguticum Gudym. 8609(p)
confractum Korde 9821(o,p), 9822, 9833
corporatum Gudym. 8607, 8609
crassum Korde 9821(o,p), 9822, 9833, I1698
crinitum Korde 9207, 9351, 9821(o,p), 9822(p), 9833
crispum Korde 9821(o,p), 9822
cristatum Korde 9821(o,p), 9822

cudi Stepanova I1868(o,p)
curvatum Korde 9833
decumanum Gudym. 8607, 8608(o,p), 8609
- f. anastasicum Gudym. 8609(p)
- f. kolbaicum Gudym. 8609(p)
- f. zherzhulicum Gudym. 8609(p)
demboi Korde 7788, 9821(o,p)
densum Korde 8096, 9821(o,p), 9822, I2513
durum Korde 9821(o,p), 9822, I1127
echinulatum Korde 9207, 9821(o,p), 9822, 9833
elatum 9351
elegans Korde 9833
evolutum Korde 7788, 9821(o,p), 9833, I2513
ezhimicum Korde 9833
fasciatum Gudym. 8608(o,p)
fasciculatum Chapm. 7153, 7788, 7901, 8111, 9697, I0537, I0544, I0684, I2255, I2753
fibratum Krasnop. 9821(o,p), 9822(p), 9833, I2526
flabellatum Bornem. 9833
frondosum Korde 9821(o,p), 9822, 9833
fruticosum Vologd. 7153, 7788, 7901, 8096, 8113(o,p), 9207, 9821(o,p), 9833, I0684, I1698, I2513, I2526
furcatum Korde 9821(o,p), 9833
gigam Korde 9833
grande Gordon 7788
improcerum Gudym. 8607, 8608(o,p), 8609
incretum Korde 9821(o,p), 9833
induratum Korde 8609, 9697, 9821(o,p), I2752, I2753
inexpectatum Korde 9821(o,p), 9833
inobservabile Korde 9821(o,p), 9833
inopinatum Voron. 8171(o,p)
inspectatum 9822
intergerinum Gudym. 8609(p)
kiyanicum Korde 9833
longum Korde 8607, 8609, 9351, 9821(o,p), 9822(p), 9833
magnum 9822
manaense Gudym. 8607, 8608(o,p), 8609
- f. gigantum Gudym. 8609(p)
marinum Korde 9821(o,p), 9833, I2513
minus 9822
mirabile Korde 9821(o,p), I2513
moniliforme Korde 9821(o,p)
naturale Korde 7788, 9821(o,p), 9822, 9833
neodensum Vologd. 8113(o,p)
novum Korde 9821(o,p), 9822, 9833
nubilum Korde 9821(o,p)
obdutum Korde 9821(o,p), 9822(p), 9833
ornatum Korde 9207, 9821(o,p), 9833
orthogonum Korde 9821(o,p), 9822
parapusillum Korde 9833
parvum Korde 9821(o,p), 9822, 9833
pectunculum Korde 9821(o,p), 9822, 9833
penicillatum Korde 9833
periodicum Radugin I1868(o,p)

plumeum Korde 982I(o,p), 9822, 9833
plumosum Korde 982I(o,p), 9822, 9833, I0544, I25I3
pretiosum Korde 982I(o,p), 9833
primordiale Bornem. 9833
procerum Gudym. 8607, 8608(o,p), 8609, 9822
pseudoflexuosum Korde 982I(o,p), 9822(p)
pseudofructicosum Korde 9833
pulchrum Korde 982I(o,p)
pusillum Korde 982I(o,p), 9833
racemosum Korde 8609, 982I(o,p), 9833
receptior 9822
rectum Korde 8096, 982I(o,p), 9822, 9833, I25I3
reniforme Korde 9207, 935I, 982I(o,p), 9822, 9833
retiforme Vologd. 7I53, 8II3(o,p)
rosulare Korde 9833
satiatum Korde 982I(o,p), 9822
scapulum Korde 982I(o,p), 9822, 9833, I2223, I2233
scoparium Korde 982I(o,p), 9833, I25I3
semirotundum Korde 8609, 982I(o,p), 9822, 9833
seriatum Korde 982I(o,p), 9822, 9833, I25I3
simplex Korde 982I(o,p), III27, I25I3
spissum Korde 982I(o,p), 9822, 9833
subdichotomum Korde 982I(o,p), 9822, 9833
subtile Korde 982I(o,p), 9822(p), 9833
suvorovae Korde 982I(o,p), 9833
tenue Vologd. 7788
tesselium 9822
tuberculosum Korde 982I(o,p), 9833
umbellatum Korde 982I(o,p), 9822(p), 9833
usitatum Korde 982I(o,p), 9833
varium Korde 982I(o,p), 9822(p)
vulgare Korde 8609, 982I(o,p), 9833
zhuravlevae Korde 982I(o,p), 9822, 9833
zonatum Korde 982I(o,p), 9822, 9833, I25I3

Epiphytonoides Korde
fasciculatus Chapm. 9833
ornatus Korde 9833
roselatus Korde 9833
sanashtykgolicus Korde 9833
satiatus Korde 9833
shevelicus Korde 9833
tenuiramosus Korde 9833

Epithelion Pant.
curvatum Pant. II334
hungaricum Pant. 8370
russicum Pant. II334

Epithemia Bréb.
sp. sp. 7058, 7287, 7492, 7992, 8I8I, 8259, 87I3, 8738, 8749, 8750, 8908, 89I2, 8988, 9I04, 9I06, 9358, 9379, 9504, 9505, I0I02, I0I69, I0243, I0384, I1224, I2938, I2939, I3I6I-
argus Kütz. 7I42, 800I, 8I44, 878I, 9057, 9292, 9356, 936Q, 9694, 980I, I0202, I024I, I0548, I0644, I0646, I093I, I0959, II930, II932, I2I95, I2482, I3I63, I3I7I, I3354, I3482, I35I7(o), I3524, I3646, I3668, I3758(o,p), I3759(o)

- var. alpestris (Grun.) Hust. 7I50, 8942, 9057, 9694, II694, II930, I3522
- var. angusta Fricke 9694, I0646, III94(o), I35I7(o)
- var. argus III94(o), II694
- var. capitata Fricke I024I, III94(o), II546
- var. longicornis Grun. 980I, I024I, I0646, I3522, I3758(o,p)
- var. ocellata Kütz. I3758(o,p)
- var. westermannii I3645

hyndmanii W.Sm. 7054, 7973-7975, 8207, 8254, 830I, 869I, 878I, 9057, 9356, 9360, I0543, I0548, II578, II694, II695, I3066, I3I70, I3I7I, I3206, I3354, I3645-I3647, I3668
- var. hyndmanii 8700

intermedia Fricke 8038, 9057, 9292, 9362, I024I, II694, I3283, I3668, I3756(o,p)

muelleri Fricke 800I, 8738, 9029, 9356, 975I, 980I, I0646, II694, I3645-I3647, I3668

proboscidea (Kütz.) W.Sm. 9298, 9444, II694

sorex Kütz. 7054, 7I30, 7I3I, 7I39, 7I42, 7I8I, 7973, 7975, 7983, 7984, 8000, 800I, 8034, 8038, 8266, 830I, 8304, 8309, 852I, 87I8, 8737, 8738, 878I, 8859, 8976, 898I, 9057, 9220, 9242, 9292, 9357, 9362, 95I2, 9649, 9694, 980I, I0047, I0077, I0080, I0082, I0099, I0I69, I024I, I0242, I0246, I0248, I0388, I0548, I0644, I0646, I0955, I0959, III90(o), II223, II3II, II537, II693, II695, II866, II9I0, I2320, I234I, I2369, I2478, I2579, I258I, I2645, I2650, I2680, I27I0, I2937, I2938, I2945, I3I62, I3I68, I3I7I, I3I97, I3246, I3269, I3352, I3354, I35I7(o), I3524, I3583, I363I, I3646, I3668, I3758(o,p)
- var. gracilis Hust. 7054, 800I, 8700, 9444, 9694, I02I8, I0220, III94(o), II529, II559, II694, I3668
- var. porcellus (Kütz.) Grun. I024I
- var. sorex 8423, 8686, 8700(p), 9444, 9456, 9457, 9459, I0008, I02I8, I0220, III28, III94(o), II694, I22I7, I2420, I2650, I327I, I3283

turgida (Ehr.) Kütz. 7054, 7I30, 7I32, 7I37, 7I39, 7I42, 7I8I, 7I84, 7I88, 7287, 7530, 7973-7975, 800I, 8038, 8207, 8254, 830I, 8304, 8422, 8694, 8739, 878I, 8972, 8976, 90I0, 90II, 9029, 9057, 9059, 9220, 9292, 9356, 9357, 9360, 9444, 95I2, 9568, 9694, 9748(o), 9749, 980I, 9932, 9959, I0080, I0082, I0099, I020I, I0202, I024I, I0543, I0548, I0646, I0939, I0956, III68, III90(o), II222, II579, II695, II866, II88I, II930, II933, I2049, I2095, I2320, I2405, I258I, I27I0, I2937, I2938, I3I68, I3I7I, I3206, I3249, I3353, I3354, I3482, I35I7(o), I3583, I3668, I3679, I3689, I3758(o,p)
- var. capitata Fricke 9457, 9463, 9694, I0080, III90(o), II930, I3482, I3668
- var. granulata (Ehr.) Grun. 7I42, 8738, 878I, 9057, 9060, 9289, 9694, 980I, I0047, I0646, III94(o), II223, II579, II694, II866, I2320, I3I68, I3I7I, I3269, I3283, I3482, I35I7(o), I3526, I3583, I3668, I3756(o,p), I3758(o,p)
- var. turgida 8423, 869I, 8700, 972I, I02I8, I0220, III94(o), II694, I22I7, I2650
- var. ventagus (Kütz.) I.Kiss. 9694, I320I
- var. westermannii (Ehr.) Grun. 8738, I0I02, I02I8, I0220, II694, I363I(p), I3645

zebra (Ehr.) Kütz. 7054, 7I3I, 7I32, 7I39, 7I42, 7I8I, 7I87, 7287, 7530, 7588, 7973, 7975, 800I, 8034, 8038, 8248, 8254, 8266, 830I, 8554, 8694, 8737, 8738, 8750, 878I, 8782, 8784, 8859, 89I4, 8922, 8973, 8976, 898I, 9009, 90I0, 9057, 9059, 9I99, 9220, 9292, 9298, 9357, 9360, 9362, 944I, 9568, 9694, 9748(o), 9749(o), 980I, 98I0, 98I9, 9932, 9959, I0046, I0047, I0077, I0080, I0082, I0202, I024I, I0242, I0246, I0384, I0644, I0646, I0798, I093I, I0956, I0959, I0975, III68, II222, II223, II3II, II529, II695, II866, II9I0, I2049, I2050, I2320, I2405, I2482, I2579, I27I0, I2936, I2938, I2945, I3I62, I3I63, I3I68, I3I7I, I320I, I3246, I3249, I3352, I3354, I3482, I3503, I3506, I35I7(o), I3524, I363I(p), I3642, I3668, I3706, I3756(o,p)
- var. porcellus (Kütz.) Grun. 7I30, 7I3I, 7I39, 7I88, 7287, 7507, 7973-7975, 8038, 8II0, 8737, 8738, 878I, 8784, 8976, 898I, 9029, 9057, 9I99, 9289, 9353, 9444, 9694, 9749(o), 980I, 98I0, 98I9, I0047, I0080, I0099, I0I69, I02I8, I0220, I0242, I0309, I0548, I0646, I0939, I0975, III28, III90(o), III94(o), II222, II223, II694, II695, II866, II930, I2320, I2405, I2936-I2938, I3I68, I3I7I, I320I, I3246, I3269, I3274, I3283, I3354, I3482, I35I7(o), I3522, I3524, I3645, I3668, I3758(o,p)
- var. saxonica (Kütz.) Grun. 7054, 7I3I, 7I39, 7I42, 7I88, 7973, 7974, 7983 8000, 800I, 8038, 8II0, 8248, 830I, 8423, 8700(p), 8737, 8738, 878I, 8784, 9029, 9057, 9242, 9444, 9694, 9748(o), 9749(o), 980I, I0008, I0080, I0099, I0202, I024I, I0548, I0646, I0939, III90(o), III94(o), II223, II3II, II694, I2320, I2936, I2938, I2945, I3I68, I3I7I, I320I, I3283, I3353, I3354, I35I7(o), I3524, I3583, I3668, I3758(o,p)
- var. zebra 8423, 8700(p), 9444, 9445, I0099, I02I8, I0220, I0939, III84, III94(o), II694, II695, I2650, I3283, I3294
Epymenia (Grev.) Kütz.
obtusa (Grev.) Kütz. 8054
Erbina Korde
aristata Korde 9833
Eremosphaera De Bary
sp. sp. I220I(o)
viridis De Bary 980I, II583, II584, I2667(o)
Erythrocladia Rosenv.
irregularis Rosenv. 9406, II438(o)
subintegra Rosenv. 9406
Erythrotrichia Aresch.
carnea (Dillw.) J.Ag. 8054, II409(o), II4I2, I2664
ceramicola (Lyngb.) Aresch. I0929
investiens (Zanard.) Born. 94I8
reflexa (Crouan) Thur. 8899, 890I
Ethmodiscus Castr.
sp. sp. I033I(p), I2I53
gazellae (Jan.) Hust. 7533, 7534(o,p), 7535-7537, I2I53, I2230, I3675
rex (Wall.) Hendey 7486, 7530, 7532, 7533, 7534(o,p), 7535-7537, 8979, 8980, 8982, 899I, 8994, 8998, 8999, 9002, 9I37, 9604, 9708, 97I0, 97II, 97I3, I0II9, I033I(p), I0978, I0980-I0982, II979, II980, I2223, I2224, I2228, I223I, I2597, I2669

Ethmorhabdus Noël
sp. sp. I3473
Euastropsis Lagerh.
richteri (Schmidle) Lagerh. 9694, I02I8, I0220, I3352
Euastrum Ehr. ex Ralfs
sp. sp. 72I5, 7250, 7506, 90I9, 9I04, 9749(p), 997I, I0008, I0II3, I0I29, I0I84, I0324, I0799, I0822, I0899, II077, II866, I2095, I2949, I2993, I3488
affine Ralfs 9446, I0I60
ansatum (Ehr.) Ralfs 9446, 9932, I2049, I2050
- var. ansatum f. ansatum I0I60
- - f. pyxidatum (Delp.) Kossinsk. I0I60
- var. pyxidatum Delp. I2667(o)
- var. rhomboidale Ducell. I0I60
- var. rhomboides Ducell. 9446
bidentatum Näg. 7966, 830I, 8306, 8307, 8700, 9242, 9446, 9749(o,p), 9932, I0I60, I0309, I2I75, I2667
- f. minus (Elenk.) Kossinsk. 9749(o)
- var. planum Turp. 9749(o)
- var. rostratum (Ralfs) Kossinsk. I02I8, I0220
binale (Turp.) Ehr. 9357, 9662(o), 9944, I0II3, I2479(o)
- var. binale 9446
- - f. binale I0I60
- - f. gutwinskii Schmidle 8307, I0I60
- var. papilliferum Gutw. I0I60
- var. rostratum Grönbl. I0I60
- f. sectum Turn. 9446
crassicole var. kaiseri Hirano I0035
- f. minus Wille IIII7
crassum (Bréb.) Kütz. I2I75
- var. crassum I0I60
- var. michiganense Pres. I0I60, I0I62, I3654
crispulum (Nordst.) W. et G.S.West 9024, I0I60
cuneatum Jenn. I2I75(o,p)
- var. subansatum Krieg. I2I75(o,p)
denticulatum (Kirchn.) Gay I0046, I0I60
- var. angusticeps Grönbl. I02I8, I0220
didelta (Turp.) Ralfs I0I60
divaricatum Lund. 9932, I0I60, I2I75
dubium Näg. 8700, 9298, 9649, 9662(o), 9749(o,p)
- var. dubium I0I60
- var. ornatum WoŻosz. I0I60, I0309
- var. snowdoniense (Turn.) W. et G.S.West 9749(o,p), I3352
- var. tritum W. et G.S.West I0309
elegans (Bréb.) Kütz. 830I, 8307, I0I60, I082I, I2479(o), I2667(o)
elobatum var. subelobatum (West) Kossinsk. 9662(o)
erosum Lund. I35I7(o)
gayanum De Toni I0I60
gemmatum var. alatum Kossinsk. I0I60
gemmatum Bréb. var. gemmatum I0I60
germanicum (Schmidle) Krieg. 8725, I0I60
incrassatum Nordst. 9446
inerme (Ralfs) Lund. I0I60
insigne Hass. 9257, I2I75

insulare (Wittr.) Roy 9242, 9446, 9649, 9662(o), 9749(o), I0158, I0161, I0162, I0218, I0220, I0956, I2175, I3517(o)
- f. insulare I0160
- f. silesiacum Grönbl. I0134(o,p), I0160, I3009, I3010
intermedium Cl. I0160
lapponicum Schmidle 9749(o,p)
luetkemuelleri Ducell. 8725, I0160
montanum W. et G.S.West I0035
oblongum (Grev.) Ralfs 8038, 8301, I0160, I0644, I0218, I0220, I2175, I2667
pectinatum var. acutius Grönbl. I0160, I3654
- var. brachylobum Wittr. I0160
- var. inevolutum W. et G.S.West I0160
pectinatum Bréb. var. pectinatum I0160
pinnatum Ralfs I2175, I2667(o)
pulchellum var. retusum W. et G.S.West I0160, I0162
rostratum Ralfs I2479(o)
sibiricum f. exsectum Grönbl. 8308
sinuosum var. reductum W. et G.S.West I0160
sinuosum Lenorm. var. sinuosum I0160
spetzbergense (Nordst.) Krieg. I0035
spinulosum Delp. 9451, III90(o), I3504
- subsp. africanum var. minus Nordst. I0951
- var. inermius Nordst. 9024
sublobatum Bréb. 9446, I0160, I2175
turneri West 9446
- f. bohemicum Lütkem. I0160
- f. turneri I0160
validum W. et G.S.West I0160
verrucosum Ehr. 8228, 8301, 8700(p), 9088, 9242, I0158, I0305, I0309, II881, I3631(p)
- var. alatum Wolle 9024, I0160
- - f. alpinum Huber-Pest. I2667(o)
- var. coarctatum Delp. I2175
- var. reductum Nordst. I0160, I0644
- var. rhomboideum f. perforatum (Grönbl.) Huber-Pest. I0160
- var. rhomboideum Lund. f. rhomboideum I0160
- var. verrucosum I0160
vigrense Rypp. I0160, I2175(o,p), I3654
Eucampia Ehr.
sp. sp. 9221
balaustium Castr. 7532, 8977(p), 8999, 9000(o,p), 9002(p), 9598, 9703(p), 9704, 9705(p), 9708, 9711(p), 9716, I0331, I0332, I3353, I3649
cornuta (Cl.) Grun. 9141
groenlandica Cl. 7952, 7954, 9124
zoodiacus Ehr. 7061, 7063, 7952, 7954, 7956, 8211, 9141, 9515, 9615, 9805, 9965, I0013, I0017(o), I0092, I0886-I0889, I0892, II994, II997, I2004, I2153, I2222, I2228, I2594, I2597, I2891, I2892
- var. recta (I.Kiss.) I.Kiss. 9747, I2892
Eucapsis Clem. et Shantz
alpina Clem. et Shantz I0026, I0029, I0033, I0035, I0218, I0220, I0968, III90(o), I2175(o,p), I2333, I2481(o), I3012, I3013, I3517(o), I3518, I3530, I3654

- f. major V.Poljansk. 8725, I0008
minor (Skuja) Hollerb. IIII3, II537
Eucheuma J.Ag.
sp. sp. I0409
Eucocconeis Cl.
sp. sp. 9903
baikalensis Skv. I3756(o,p)
elliptica Savel.-Dolg. II694
flexella Kütz. 7054, 7489, 7973, 9057, 9357, 9444, 9445, I0546, I0548, I0951, I0956, III86, II693-II695, I3201, I3354, I3511, I3654, I3668
- var. alpestris (Brun) Hust. I0956, II694, I3354
- var. flexella III84
lapponica Hust. 7973, 9444, 9445, II694, II695, I3668
minuta Cl. 7973, 9447(o), I3758(o,p)
onegensis Wisl. et Kolbe 7054, 7973, 8301, 8687, 8691, 8700(p), 8781, I0902, I3354, I3522, I3756(o,p)
poretzkyi (Jasnitsky) Sheshuk. I3169, I3201
Eudesme J.Ag.
sp. sp. I0409
virescens (Carm.) J.Ag. 7606, 7636, 8054, 8071(o), 8073, 8550, 9026, 9420, II409(o), II411, II412, I2607, I3720
Eudorina Ehr.
sp. sp. 7461, 7471, 7506, 7620, 8227, 8258, 8319, 8452(p), 9149, 9289, 9324, 9752, 9959, I0104, I0111, I0252, I0324, I0512, I0513, I0920, II326, II871, I2428, I2612, I2617, I2758, I3142, I3268, I3404, I3645, I3715, I3730
cylindrica Korsch. 7103, 8940, I0008, I0044, I0363, I3013, I3270, I3271, I3287
echidna Swir. I0008
elegans Ehr. 7057, 7082, 7103, 7104, 7227, 7246, 7250, 7400, 7462, 7469, 7500, 7501, 7507, 7589, 7624, 7626, 7628, 7732, 7758, 7764, 7799, 8001, 8038, 8098, 8106, 8202, 8216, 8266, 8301, 8310, 8313, 8473, 8554-8556, 8700, 8718, 8859, 8904, 8905, 8910, 8913, 8914, 8916-8918, 8940, 9018(o), 9019-9021, 9108, 9124, 9202, 9220, 9252, 9257, 9289, 9292, 9324, 9476, 9499, 9568, 9581, 9674, 9687, 9724, 9755, 9801, 9881, 9894, 9911, 9912, 9932, 9938, I0006, I0008, I0024, I0031, I0039, I0041, I0044, I0046, I0048, I0074, I0077, I0080, I0082, I0106, I0113, I0133, I0218, I0220, I0236, I0243, I0244, I0286, I0317, I0363, I0410, I0511, I0644, I0646, I0798, I0822, I0870, I0975, I0997, III28, III90(o), II223, II304, II451, II455, II537, II670, II672, II673, II690, II864, II866, II881, II930, II933, II965, II966, I2049, I2122, I2175, I2248, I2320, I2324, I2327, I2331, I2333, I2341, I2350, I2368(p), I2414, I2416, I2451, I2478, I2482, I2483, I2645, I2650, I2710, I2863, I2870, I2906, I2928, I3010, I3012, I3014, I3027, I3059, I3061, I3127, I3129, I3148, I3197-I3199, I3200, I3202, I3266, I3271, I3272, I3274, I3293, I3373, I3488, I3504, I3526, I3583, I3594-I3595, I3653, I3699, I3731, I3736
illinoisensis Pasch. 8038, 8801, 9801, I3246, I3271
Euglena Ehr.
sp. sp. 7226, 7227, 7303, 7341, 7462, 7469, 7472, 7506, 7588, 7593, 7623, 7626, 7731, 7805, 7984, 8038, 8202, 8227, 8266,

8274, 8452(p), 86I2, 87I0, 87I8, 8746, 8877, 8905, 8907, 89I6, 89I9, 8939, 8940, 90I5, 9024, 9I33, 9I49, 92I4, 9340, 9433-9434, 9466, 9500, 950I, 9580, 96I7, 969I, 9749, 975I, 988I, 9959, I0008, I0048, I0I95, I0244, I0245, I0364, I0366, I0383, I0487, I0646, I09I3, I0920, I0975, IIIOI, IIII3, IIIII, IIII8, II45I, II537, II583, II670, II672, II673, II730, II739, II867, II88I, II93I, II933, I2055, I2072, I2075, I2076, I2I75, I2323, I2327, I233I, I2336, I2344, I2347, I2383, I24I6, I2679, I2680, I27I0, I2932-I2935, I2937-I2940, I2944, I30I2, I30I3, I306I, I3056, I3I99, I3245, I3249, I3267, I3269, I327I-I3274, I3294, I3395, I3397, I3499, I3505, I3533, I3537, I3583, I3586, I3699, I3705, I37I5, I3730, I3736, I3738

aculeata Christ. I327I, I35II, I35I7(o)

acus Ehr. 7082, 7I83, 7227, 7306, 7307, 7309-73II, 73I4, 73I6, 73I7, 7325, 7330, 7332, 7589, 7628, 7764, 7993, 800I, 8038, 8098, 8266, 8555, 87I0, 8877, 8879, 8924, 8940, 90I0, 90I2, 90I9, 9024, 9078, 9242, 9289, 9292-9294, 9340, 9749(o,p), 975I, 980I, 9882, 9959, I0046, I0077, I0079, I0080, I0082, I0085, I0I32, I0I33, I02I8, I0220, I0644, I046, I0707, I0866, I0997, II077, II223, II625, II670, II859, II866, II88I, II932, II965, I2050, I2I2I, I2I22, I2I24, I2I75, I2248, I2323, I2324, I2327, I233I, I24I6, I2478, I2490(o), I2483, I2926, I2932, I2935, I30I2-I30I4, I3026, I3I59, I3I99, I3202, I3246, I3249, I3273, I3287, I3497, I3504, I3508, I35II, I35I7, I3526, I3528, I3530, I3699, I3736, I3747

- var. acus 8908, 89I0, I0008, IIIB4, I2947(o), I327I, I3274, I3294
- f. acus 9I33
- var. angularis L.P.Johns. 7325
- var. hyalina Klebs 800I, 980I, II670, I35I7(o), I3526
- var. major Lef. 980I
- var. minor Hansg. 73I4, 73I6, 7325, 800I, 8778(o), 980I, I3246, I35I7, I3526, I3747
- f. minor Hansg. I30I4

acusformis Schill. 9220

adhaerens Matv. 980I, II670

brevis Christ. 8777

bucharica I.Kiss. 72I5, 8776, 9648, I0955, I2I22, I2327, I2932, I2947(o), I3056, I35II, I35I7, I3526, I3747

caudata Hübner 7303, 73I6, 800I, 8038, 980I, I0363, II930
- var. caudata I327I
- var. minor Defl. II670, I3526

charkowiensis Swir. 82I6, 8879, I0646, I0707, I3I59, I37I3, I3736
- var. minor Skv. 8877

clara Skuja 7325, 9220, II670(o,p), I3524

convoluta Korsch. II932, I2I80

deses Ehr. 7049, 7050, 7325, 7330, 773I, 8266, 9078, 9220, 980I, 9959, I2049, I2054, I35I7, I3524, I3528
- f. intermedia Klebs 7332, I30I2
- f. klebsii (Lemm.) Popova 7332

ehrenbergii Klebs 7049, 7050, 73I6, 8038, 8778(o), 89I6, 980I, I0646, I0955, IIIB0(o), II866, I3352, I35I7(o), I3526

- var. ehrenbergii I327I
- var. torta Ded.-Stscheg. 73I6

elenkinii J.Poljansk. 7049, 7309, 73II, I3524
- var. minor Asaul 7320

fenestrata Elenk. 7049, I0955, I2020, I327I, I35I7, I3524, I3526

gaumei All. et Lef. 8766

geniculata Duj. 7049, 7325, 7589, 8778(o), 8904, 950I, 980I, I0955, II670, I2049, I2248, I2480(o), I2483, 13246, I327I

gracilis Klebs 7050, 72I5, 7257, 73I0, 73I3, 73I4, 73I6, 73I7, 7323, 7394, 7395, 7589, 787I, 800I, 8570, 8778(o), 9027, 9264, 9483-9487, 9687, 9749(o), 980I, I0042, I0I27, I0220, I0373, I0374, I0378, I0548, I0624, I0639(p), I0644, I0969, II35I, II670, II903, II946, I2242, I2483, I26I0, I3056, I3559, I3658
- var. bacillaris Pringsh. 7257

granulata (Klebs) Schmitz 7303, 7983, 7992, 800I, 8555, 8556, 8720, 8778(o), 8874, 92I4, 9220, 9223, 9755, 980I, 9882, I0363, II670, II866, II967, I30I4, I35I7(o), I3530
- var. polymorpha (Dang.) Popova 7332, 7470

hemichromata Skuja 9882, II930, II932, I35I7(o)

incurva Matv. I0866

intermedia (Klebs) Schmitz 7049, 8038, 90I8(o), 980I, I0I27, I0644, I0646, II670, I2020, I2050, I35I7, I3526
- var. klebsii Lemm. 7050, 7326, 7589, 8778(o), 980I, II670, I2480(o), I2483

korschikowii Gojdics 8940, 9882

limnophila Lemm. 73I0, 73I3, 73I4, 73I6, 7325, 7330, 7992, 800I, 8720, 9289, 980I, I0646, I0822, II670, II866, I35II, I35I7(o), I3526, I3528
- var. swirenkoi (Arnoldi) Popova 7306, 7307, 73I0, 73II, 73I6, 800I, 8926, 9289, 9749(o,p), 980I, II866, I327I, I35I7

longissima Defl. 73II, II866, II88I, I35I7, I3526

megalithos Skuja I35I7(o), I3526

mesnilii Defl. et Dusi I2020

minima Francé 9882

mutabilis Schmitz 7049, II670

oblonga Schmitz 7330, 8038, 8890, 980I, I0646. II930, II935, I3056, I327I, I3530

obtuso-caudata I.Kiss. I3526

ornata Roll 7049, 980I

oxyuris Schmarda 7I83, 7294, 73I0, 73I4, 73I6, 7325, 7332, 7459, 7764, 800I, 8038, 8266, 8604, 89I3, 89I5, 8924, 8940, 90I0, 90I2, 9220, 9242, 9289, 9340, 9749(o,p), 980I, 988I, 9959, I0046, I0I3I, I0644, I0646, II077, IIIB0(o), II670, II697, II866, I2I22, I2I75, I2324, I2327, I233I, I24I4, I2579, I2580, I2935, I3059, I306I, I3246, I3272, I3287, I3499, I3508, I35II, I35I7(o), I3524, I3535, I3583, I3699
- var. charkowiensis (Swir.) Chu I2667(o)
- var. lata (Christ.) Popova I0975
- var. major (Woronich.) Popova 800I, 8038, 980I, II866
- var. oxyuris 7462, 8776, I0008, IIIB4, I327I, I3274, I3294
- f. oxyuris 9I33
- var. skvortzovii Popova 800I, 8926, 9749(o,p), 980I, II859, II866, I2324, I2327

pascheri Swir. 7306, 73I0, 73II, 73I6, 7325, 7326, 7332, 7589,

8001, 9801, 11670, 12327, 12483, 12947, 13511, 13517(o), 13528
pavlovskoënsis (Elenk. et V.Poljansk.) Popova 7316, 7332, 8038, 12947(o), 13517(o)
pisciformis Klebs 7316, 7325, 7330, 7589, 8001, 8904, 8916, 8917, 8924, 9214, 9220, 9801, 10046, 10080, 10131, 10646, 11670, 11866, 12483, 13246, 13526
- var. minor Hansg. 8778(o)
platydesma Skuja 13530
polymorpha Dang. 7183, 7306, 7309, 7314, 7316, 7317, 7325, 7469, 7983, 7992, 8001, 8038, 8555, 8720, 8801, 8859, 8879, 8916, 9289, 9292, 9293, 9340, 9687, 9749(o,p), 9801, 9882, 10644, 10646, 11670, 11866, 11930, 11932, 11967, 12496, 13145, 13246, 13249, 13250, 13271, 13272, 13274, 13287, 13511, 13517(o)
proxima Dang. 7050, 7183, 7306-7311, 7313, 7314, 7316, 7317, 7325-7327, 7330, 7332, 7470, 7628, 7764, 8001, 8038, 8259, 8725, 8859, 8877, 8879, 8924, 9214, 9220, 9289, 9292, 9293, 9296, 9801, 9911, 9912, 10153, 11697, 11866, 11966, 12776, 12784, 13156, 13246, 13271, 13272, 13274, 13506, 13511, 13517(o), 13695, 13736
rostrata Schill. 7311, 7313
rubra Hardy 7049, 9749(o)
sanguinea Ehr. 7330, 7332, 7739, 8778(o), 9801, 10644, 10955, 11077, 11184, 11190(o), 11670, 11866, 12175, 12342, 12480(o), 13026, 13271, 13274, 13530
satelles Brasl.-Spect. 7050, 7332, 12122
sociabilis Dang. 11670
spathirhyncha Skuja 7310, 7311, 8700, 8890, 9340, 12122, 13271, 13274, 13517(o), 13526
spirogyra Ehr. 7215, 7306, 7307, 7309-7311, 7317, 7325-7327, 7589, 8001, 8038, 8521, 8778(o), 9801, 10046, 10127, 10646, 10997, 11670, 11859, 11866, 12095, 12175, 12180, 12482, 12483, 13245, 13517, 13747
- var. fusca Klebs 9801, 10644, 11670, 11866, 12175, 12327
- var. laticlavius Hübner 9451, 12480(o)
- var. marchica Lemm. 13736
- var. spirogyra 12480(o), 13271, 13274
- var. torta Prijm. 7330, 8940, 11732(o,p)
spiroides Lemm. 7983, 12480(o), 13271
terricola (Dang.) Lemm. 7049, 7050, 8778(o)
texta (Duj.) Hübner 7628, 7992, 8001, 8916, 8924, 9009, 9293, 9294, 9340, 9501, 9687, 9801, 10646, 11670, 11866, 12496, 12776, 12784, 12938, 13246, 13249, 13279, 13281, 13287, 13511
- var. salina (Fritsch) Popova 8776, 9801, 10646, 11185, 11670, 13274
- var. texta 13271, 13274, 13294
tripteris (Duj.) Klebs 7183, 7306, 7309, 7310, 7314, 7316, 7330, 8001, 8038, 8916, 9292, 9801, 9882, 10046, 10080, 10646, 11670, 11697, 11859, 11866, 11965, 12122, 12175, 12324, 12327, 12416, 12776, 12784, 12932, 12935, 13014, 13026, 13245, 13246, 13526, 13747
- var. major Swir. 8038, 8904, 8909, 8916, 9801, 10644, 10646, 11670, 11866, 13246, 13271, 13526

- var. tripteris 8776
vagans Defl. 7326, 7330, 7628, 8916, 10151, 13246, 13526
- var. parva Christ. 7318, 8926, 12939, 12940, 12947(o)
- var. vagans 12947(o)
variabilis Klebs 7316, 7325, 7330, 9801, 10046, 11670, 11860, 11930, 12020, 12122, 12175, 13517(o)
velata Klebs 9801, 11670(o,p)
vermicularis Pr.-Lavr. 9340, 10631(o,p), 12947
viridis Ehr. 7044, 7082, 7183, 7303, 7306, 7309-7311, 7313, 7314, 7316, 7317, 7325, 7330, 7500, 7589, 7732, 7805, 7871, 8001, 8016, 8038, 8208, 8216, 8266, 8575, 8604, 8778(o), 8904, 9053, 9078, 9220, 9242, 9298, 9580, 9748(o), 9749(o), 9752, 9801, 9911, 9912, 9959, 10080, 10128, 10189, 10280, 10644, 10646, 10975, 11077, 11190(o), 11670, 11692, 11828, 11859, 11866, 11881, 11903, 11930, 11932, 11933, 11935, 11966, 12020, 12049, 12050, 12054, 12248, 12249, 12358, 12480(o), 12483, 12496, 12504, 12505, 12550, 12637, 12940, 13014, 13027, 13246, 13373, 13517(o), 13699, 13747
- var. olivacea Klebs 11930, 13526
- var. viridis 11184, 13274
- - f. viridis 12939

Euglenopsis Klebs

vorax Klebs 11931, 11932, 11935, 12776, 12784
- f. minor (Skuja) Popova 11935

Eunotia Ehr.

sp. sp. 7096, 7222, 7287, 7496, 7497, 7506, 7676, 7828, 7868, 8248, 8365, 8422, 8487, 8709, 8738, 8896, 8988, 9104, 9358, 9360, 9721, 9748(o), 10008, 10046, 10169, 10217, 10309, 10382, 10388, 10414, 10646, 10939, 11123, 11124, 11311, 11528, 11583, 11670, 11688, 11878, 11881, 12035, 12037, 12223, 12467, 12933, 12936, 13063, 13162-13164, 13170, 13171, 13353, 13354, 13648, 13679, 13724, 13736
aequalis Hust. 9018(o)
alpina (Näg.) Hust. 8781, 9447(o), 11693-11695, 13668, 13757(o), 13759(o)
angusta (Grun.) A. Berg. 13668(o,p)
arcus Ehr. 8038, 8266, 8781, 8976, 8981, 9018(o), 9057, 9060, 9379, 9749(o), 9801, 10241, 11190(o), 11311, 11530, 11720, 12037, 12195, 13354, 13526, 13668, 13724, 13757(o,p)
- var. arcus 9444, 9721, 10902, 11128, 11194(o), 11694
- var. bidens (W.Sm.) Grun. 8781, 9057, 9449, 10201, 11529, 11694, 13353, 13757(o,p)
- var. fallax Grun. 9057, 9298, 9444, 9445, 11694, 13354
- var. uncinata (Ehr.) Grun. 8038, 13583
asiatica Skv. 13365, 13757(o,p)
- var. interrupta Skv. 13757(o,p)
- f. suifunensis Moiss. 13365
bactriana Ehr. 11693, 11694, 13631(p), 13668(p)
biceps Kütz. 9057
bidentula W.Sm. 7054, 7096, 7142, 9357, 9379, 9447(o), 10532, 10939, 11529, 12405

bigibba Kütz. 7497, 7530, 7973, 8432, 9385, 9442(o), 9444, 9445, 97I5, I04I2, I0532, I0939, II3II, II529, II530, I2405, I320I, I3207, I3759(o,p)
- var. pumila Grun. I0532, II694, I3668(o), I3757(o,p)
clevei Grun. 7054, 7I30, 7I3I, 7I37, 7I42, 7489, 7973-7975, 8694, 878I, 8988, 9379, I020I, I0543, I090I, I3066, I3I69, I3I70, I320I, I3206, I3756(o,p)
- var. aculeata Moiss. I0900-I0904
- var. baikalensis Skv. II688, I320I, I3756(o,p)
- var. clevei 7054, 8690, 869I, 8700(p), I0900, I0902, I0904
- var. hispida Skv. 7054, 7I3I, 7I37, 7I42, I020I, II688(p), I3756(o,p)
crista-galli Cl. 7054, 800I, 869I, 8700, 9060, 9442(o), 9444, 9445, I0I52, I0646
delicatula Tscher. I3I67
diodon Ehr. 7497, 783I, 7973, 8266, 8422, 878I, 9057, 9442(o), 9444, 9445, I0008, I0099, I0939, III90(o), II530, II694, II866, I2405, I3I68, I3354, I3583, I3668
elegans Ehr. 9024, 9057, I3757(o,p)
epithemioides Hust. 8896
exigua (Bréb.) Rabenh. 7054, 7I32, 7497, 8422, 9024, 9379, 9444, I0956, II3II, II529, II530, II693, II695, II930-II932, II935, I2095, I2637, I27I0, I3354, I35I7, I363I(p), I3668, I3724
- var. compacta Hust. 9447(o), II694, I3668
- var. exigua 8700, II694
faba (Ehr.) Grun. 7497, 783I, 7973, 8I8I, 8248, 8293, 8422, 8737, 8743, 878I, 898I, 9444, 9749(o), I0202, I0532, I0939, II3II, II424, II529, II695, I2I50, I2405, I3I63, I3354, I3668, I3724
- var. densestriata Östr. 9447(o), II694, II866, I3354, I3668
- var. faba I0902, II694
fallax A.Cl. 8825, 9059, 9447(o), 9749(o), I024I, II530, II866, I3354, I3646, I3647
- var. gracillima Krasske 8038, 8248, 90I9, 9058, 9460, 9444, 9446, 9749(o), I0047, I020I, I02I8, I0220, I024I, I0646, I0939, II694, II866, I2579, I3206, I3354, I3668
fastigiata Hust. I3I67
flexella 8976
flexuosa (Bréb.) Kütz. 8422, 878I, 8976, 9379, 9446, 9447(o), I2405, I3I68, I3354, I3759(o,p)
formica Ehr. 7054, 7973, 8I8I, 8422, 8694, 878I, 9057, 9I08, I0099, I0I52, I0202, I02I8, I0220, I0939, II529, II694, II866, I2405, I3I63, I3I68
gracilis (Ehr.) Rabenh. 7096, 7I3I, 7I42, 7973, 800I, 8038, 8247, 878I, 90I8(o), 9057, 9060, 9357, 9449, 9568, 9748(o), 980I, I0038, I02I8, I0220, I037I, I0646, I0939, II530, II694, I2933, I2938, I3I68, I3354, I3706, I3757(o,p)
japonica Pant. 9379, I04I2, I04I4, I0899-I0903
kochliensis O.Müll. I3757(o,p)
lacus-baikali Skv. 9748(o), II688, I3756(o,p)
lapponica Grun. 869I, II3II, I3354, I3724
lavrovii Tscher. I3I67, I3I70
lunaris (Ehr.) Grun. 7054, 7489, 7733, 7735(p), 7764, 7973, 800I, 8038, 8422, 8738, 90I8(o), 90I9, 9379, 9449, 9568,

9694, 9749(o), 980I, I0080, I0I48, I0I50, I0242, I0646, I0956, II222, II223, II3II, II424, II530, II695, II866, I2049, I2050, I2320, I250I, I2933, I2936, I2938, I3I68, I320I, I3249, I3352, I3354, I3482, I363I, I3668, I3706, I3759(o)
- var. capitata (Näg.) Grun. 8038, 830I, 9568, I0956, II694, I27I0. I3249
- var. lunaris I02I8, I0220, II694, I27I0
- var. subarcuata (Näg.) Grun. 7054, 7973, 830I, 8700, 89I4, 9057, 9060, 9442(o), 9444, 980I, I02I8, I0220, I024I, I0902, I0939, II45I, II452, II694, I2933, I3I68, I3249, I3354, I3482, I3668
majuscula Moiss. I0900-I0903
meisteri Hust. 9749(o), I3526, I3668
- var. bidens Hust. II694
- var. meisteri II694
microcephala Krasske I3668
- var. microcephala II694
- var. tridentata (A.Mayer) Hust. II694, II695, I3668
minuta Cl. 878I
minutissima A.Cl. II694
miocenica Jousé II559
monodon Ehr. 878I, 8976, 9058, 9060, 9242, 9379, 9749(o), I020I, II3II, II694, II866, I2405, I30I3, I30I4, I3I63, I3I68, I320I, I3207, I3249, I35I7(o), I3668
- var. hankensis (Skv.) Sheshuk. I373I
- var. koreana Skv. I3757(o,p), I3759(o,p)
- - f. bidens Skv. I3757(o,p)
- var. major (W.Sm.) Hust. 8422, 878I, 9749(o), 980I, I320I, I3353
- var. tropica Hust. 8896
neogena Sheshuk. I3365
nikolskiae Jousé 8988, I0899-I0903, I3I67
- var. gracilis Tscher. 8422, I04I2, I04I4, I3I70, I3365
nymanniana Grun. 9366
papilio (Grun.) Hust. 7489, 7492, 7530, 7973, 8432, 878I, 8976, 9058, 9204, 9385, 97I5, 972I, I020I, I0532, I0939, II530, I2584, I320I, I3353, I3526, I3757(o,p)
parallela Ehr. 7054, 7492, 878I, 8976, 9444, 9749(o), I0202, I02I8, I0220, I0939, II866, I2405, I3354, I3668
- var. parallela 8700, I0008, II694, I3283
- var. ventralis (Ehr.) Grun. II594, I3668
pectinalis (Dillw.? Kütz.) Rabenh. 7054, 7973, 8038, 8694, 878I, 898I, 9057, 9060, 9298, 9379, 9444, 9749(o), 980I, I0080, I0202, I037I, II529, II530, II695, II866, I30I3, I3I68, I3354, I3668, I3757(o)
- var. minor (Kütz.) Rabenh. 7054, 783I, 7973, 8038, 8422, 8700(p), 878I, 9057, 9379, 9449, 9932, I0099, I02I8, I0220, I0532, I0902, I0939, II45I, II529, II866, I2320, I2405, I3I68, I3352, I3354, I3668, I3706
- - f. impressa (Ehr.) Hust. 7054, 8687, 8700, 9749(o), II3II, II694, I3I68, I3668, I3757(o,p)
- - f. intermedia Krasske II694, I3I68
- - f. minor II694
- var. pectinalis 8685, 8687, 8700(p), I0939, II694

- var. undulata Ralfs 7973, 8422, I04I4, I0939, II694, I3526, I3668
- var. ventralis (Ehr.) Hust. 7054, 7973, 8038, 8687, 8700, 878I, 9024, 9568, 9932, 9938, I0220, I0939, II3II, II694, I3I68, I363I(p), I3668
polydentula Brun 90I8(o), 9447(o), I020I, I3668
- var. perpusilla Grun. 7054, 8700, 9442(o), 9444, II694, I3668(p)
- var. polydentula II694
polyglyphis Grun. 8038, 8422, 878I, 8799, 9379, 9447(o), I2405, I3354
- f. truncata A.Berg 8422
polyglyphoides Sheshuk. 8293, 8988, I04I2, I04I4, I0900-I0903, I2035, I2037, I3I69, I3I70
praefaba Gles. 8368(o,p), 8370(p)
praeminor A.Berg II694
praerupta Ehr. 7054, 7096, 7I37, 7I39, 7I42, 7492, 9497, 7530, 753I, 783I, 7973, 7975, 8I8I, 8247, 8422, 8432, 8694, 8738, 8743, 878I, 898I, 9029, 9058-9060, 9087, 9I99, 9204, 9353, 9379, 9442(o), 9568, 97I5, 9749(o), 975I, 980I, I0099, I0I98, I020I, I0202, I02I8, I0220, I037I, I04I2, I0532, I0683, I0956, IIII3, III68, II3II, II529, II530, II720, II866, II908, I2037, I2320, I2405, I2723, I2899, I2933, I3I63, I3I68, I320I, I3206, I3207, I3353, I3354, I3522, I3646, I3666, I3668, I3706, I3756(o,p), I3757(o,p)
- var. bidens (W.Sm.) Grun. 7054, 7I3I, 7I32, 7I39, 7I42, 7489, 7497, 79?3, 8700, 8738, 878I, 898I, 9442(o), 9444, 97I5, 972I, I037I, I0902, I0939, II222, II3II, II559, II720, I2320, I2405, I2584, I27I0, I3I63, I3I68, I3I7I, I320I, I3353, I3666, I3757(o,p), I3758(o)
- f. curta Grun. I3757(o,p)
- var. inflata Grun. 7I39, 7I42, 8038, 8738, 878I, 9029, 9444, 972I, 975I, 9932, I020I, I0975, II3II, II530, I27I0, I2723, I3I62, I3I63, I3I7I, I3756(o,p), I3757(o,p)
- - f. curta Grun. I3757(o,p)
- var. laticeps Grun. I3757(o,p)
- var. muscicola Boye-Pet. 7054, 7I3I, 7I42, 783I, 8422, 8700, 8739, 9087, 9447(o), 975I, I020I, IIII3, II530, II694, I2320, I2899, I3668
- var. praerupta 8700, 9444, 9445, 972I, 9932, I0902, I0939, II694, I27I0
prolongata Sheshuk. I3365
pseudopectinalis Hust. 7492, 8976, 9024, 9204, I3065
revoluta A.Cl. 8422, 878I, 9379, II3II, I2035, I2037, I3I62
- f. minor Moiss. I04I2, I3365
robusta Ralfs 783I, 7973, 800I, 8038, 8247, 8293, 8422, 878I, 9024, I0202, I037I, I04I2, I0532, I0956, II529, II695, I2405, I3354, I363I(p), I3668, I3724
- var. diadema (Ehr.) Ralfs 7973, 8422, I0309, II693, II694, I3668(p)
- var. robusta I04I4, I0939, II694
- var. tetraodon (Ehr.) Ralfs 7054, 7973, 7975, 8038, 8247, 8422, 8687, 8700(p), 878I, I0202, I04I2, I04I4, I0532, I0939, II559, II693, II694, I2405, I3I68, I3668
septentrionalis Östr. 7489, I0202, II529, II908, I2723, I3354

- f. geniculata A.Berg II694
- f. septentrionalis II694
sibirica Cl. 7973, 800I, 8038, 878I, 9749(o), I024I, I0939, II222, II866, I2933, I3I68
spinuligera Lupik. 8293, I04I2, I04I3(o,p)
submonodon Hust. 878I, I0532, I2037, I3756(o,p)
- f. fossilis Moiss. I04I2, I0900-I0903
sudetica O.Müll. 7973, 8422, 8738, 878I, 902?, 9379, 9446, 9749, 9932, I04I2, I04I4, II424, II559, II694, II695, I3I68, I3365, I3668
- var. bidens Hust. 9447(o), 9749(o)
- var. sudetica 9447(o)
suecica A.Cl. 7492, 7497, 783I, 9379, II530
tauntoniensis Hust. 7489, I037I, I0939
- var. hankensis Skv. 9379
tenella (Grun.) Hust. 7489, 8038, 830I, 8738, 878I, 8976, 90I8(o), 9057, 9379, 9385, 9447(o), I0099, I0202, I0939, II222, II3II, II529, II530, II693-II695, I2405, I3354, I363I, I3668, I3757(o,p)
tridentula var. perminuta Grun. I3757(o,p)
triodon Ehr. 7492, 7497, 7973, 8738, 8976, 9060, II3II, II424, II529, II530, II908, I2405, I3I7I, I3724
valida Hust. 7I3I, 7I42, 783I, 7973, 800I, 878I, 8976, 9057, 9357, 9360, 9379, 9444, 9749(o), 980I, I0099, I0I50, I024I, I0646, IIII94(o), II3II, II529, II530, II694, I2405, I3I68, I3I7I, I3354, I3522, I3668
veneris (Kütz.) O.Müll. 7054, 783I, 7973, 8422, 8685, 8687, 8700, 878I, 9379, I0532, I0646, II222, II45I, II529, II695, I2049, I2050, I2405, I3354, I3668, I3757(o,p)
- var. exacta A.Cl. I04I2, II694
- - f. minor O.Korotk. I0902
- var. nipponica Skv. I0900-I0903
- var. veneris II694

Eunotogramma Weisse
sp. sp. I253I
bivittata Grun. et Pant. 8365, 8370, I3357(o,p), I3358, I3362
cretacea Streln. I2529, I2530(o,p)
gibbosa Streln. I2529, I2532(o,p), I2536
laevis Grun. II334
polymorpha Streln. I2529, I2532(o,p)
producta Grun. 8365
variabilis Grun. 8365, 8370, II334, I2534
weissii Ehr. 82I9, 9952, I0939, II334, I2039, I2534, I2536, I32I6, I3369, I3707

Eupodiscus Bail.
kamischevensis Jousé II334
oamaruensis Grun. 8370
oculatus Grev. 8370
tessellatus Roper 753I

Euthora J.Ag.
sp. sp. 8275
cristata (L.) J.Ag. 760I, 7606, 76I3, 8064, 8279, 9I24, 9223, 9406, II782, II833, I2607, I2907, I3708
fruticulosa (Rupr.) J.Ag. 76I3, 7636, 7786(o,p), 8054, 8070, I235I

Eutreptia Perty
sp. sp. 9214, 9220, 9221, 11537
globulifera Van Goor 11537
lanowii Steuer 7353-7355, 9214, 9220, 9230, 11189, 11932, 13249
pyrenoidifera Matv. 11930
viridis Perty 7306, 7313, 7330, 9220, 11537, 11931, 11932, 11935
Exuviella Cienk.
sp. sp. 7512, 8553, 8557, 8760, 8866, 9054, 9056, 9131, 9137, 9140, 9221, 9372, 9572, 11724, 11993, 12078, 12079, 12152, 12153, 12223, 12230, 12447, 12597, 12669, 13576, 13675, 13725, 13750
aequatorialis Hasle 12152
apora Schill. 7956, 8763, 12152
baltica Lohm. 7952, 7954, 8763, 9220, 11537, 12055, 12710, 13249
caspica I.Kiss. 9220, 13249
compressa Ostf. 7061, 7063, 7351, 7517, 7950, 7952, 7954-7956, 8211, 8763, 8865, 9214, 9220, 9223, 9227, 9232, 9619, 9783, 10017(o,p), 10673, 11401, 12152, 12153, 12597, 13725
cordata Ostf. 7061, 7063, 7093, 7144, 7348, 7509, 7917, 7971, 7995, 8292, 8330, 8530, 8556, 8752, 8865, 9112, 9124, 9132, 9211, 9214, 9220, 9222, 9223, 9227, 9229, 9230, 9232, 9619, 9783-9785, 9787-9791, 10205, 10206, 10209, 10210, 10212, 10214, 10276, 10277, 10279, 10280, 10283, 10463, 10469, 10473, 10475, 10673, 10877, 10941, 11189, 11401-11403, 11537, 11544, 11545, 11547, 12081, 12130, 12591, 12592, 12708, 13005, 13249, 13525, 13576, 13725
- var. aralensis I.Kiss. 8763, 9124, 9214, 9220, 9232, 11537, 11542, 11543
- var. cordata 7349, 7351-7355
marina Cienk. 7061, 7063, 7950, 7952, 7954, 7956, 8527, 8531, 8763, 9220, 9619, 9785, 9787, 9788, 9790, 10210, 10673, 11537, 12153, 13725
- var. lima Schill. 9220
oblonga Schill. 12223, 12597
pacifica Kusjmina 10017(o,p)
perforata (Gran) Schill. 8762, 9220, 9976, 11537
pusilla Schill. 7061, 7956, 8763, 9220, 11537
vaginula (Stein) Schütt 7061, 9220, 12153
Falcula Voigt
media var. subsalina Pr.-Lavr. 11811(o,p)
Farlowia J.Ag.
irregularis Yamada 7636, 8054, 12607-12609, 13633
mollis (Harv. et Bail.) Farl. et Setch. 8054,8055(o)
Feldmannia Hamel
irregularis (Kütz.) Hamel 11409(o), 11412, 11423
lebelii (Aresch.) Hamel 9418
Fenestrella Grev.
antiqua (Grun.) Swatman 11334
Fernandinella Chod.
sp. sp. 9748
alpina Chod. et Korsch. 9748(o), 9749(o), 10069, 12195, 13271, 13279, 13453
Filaria Korde
calcarata Korde 9833

seriata Korde 9833
sporifera Korde 9833
Fischerella (Born. et Flah.) Gom.
sp. sp. 12175(o,p), 13518
caucasica (Woronich.) Elenk. 12680, 13510
major Gom. 9748(o), 9765(p), 10026, 10218, 10220
muscicola (Thur.) Gom. 7599, 10026, 11886
- f. crassa Kossinsk. 10026
Fistulella Korde
decipiens Korde 9833
sanashtykgolica Korde 9833
Flabellochara Gramb.
asiatica Romaschkina 10168(o,p)
harrisii (Peck) Gramb. 7737, 8081, 9497, 10167, 10168(o,p), 10585(p), 11784(o)
Foliaceria Vologd.
polymorpha Vologd. 8113(o,p)
Foliolithus Schumenko
floriformis Schumenko 13466
Fortiella Pasch.
playfairi Skuja 10080
Fragilaria Lyngb.
sp. sp. 7063, 7173, 7219, 7222, 7223, 7247, 7287, 7296, 7438, 7461, 7462, 7469, 7506, 7620, 7680, 7685, 7728, 7805, 7848, 8038, 8097, 8098, 8319, 8365, 8422, 8423, 8452(p), 8557, 8696, 8781, 8833, 8912, 8988, 8995, 9021, 9051, 9104, 9141, 9149, 9289, 9386, 9393, 9491, 9492, 9572, 9615, 9683, 9688, 9700, 9749, 9752, 9868, 9902, 9943, 9944, 9955, 9959, 9971, 9991, 10008, 10039, 10041, 10046, 10104, 10106, 10169(p), 10276, 10279, 10280, 10306, 10327, 10370, 10379, 10380, 10414, 10417, 10455, 10549, 10644, 10765, 10899, 10931, 11073, 11094, 11129, 11311, 11375, 11450, 11579, 11583, 11670, 11690, 11720, 11792, 11837, 11847, 11871, 11881, 11933, 12127, 12152, 12153, 12245, 12247, 12320, 12327, 12333, 12336, 12344, 12346, 12369, 12383, 12394, 12415, 12416, 12419, 12485, 12597, 12612, 12617, 12669, 12673, 12747, 12870, 12895, 12927, 12938, 12982, 13061, 13160, 13163, 13165, 13171, 13198, 13200, 13206, 13274, 13354, 13576, 13581, 13583, 13661, 13736
alpestris Krasske 9357, 10218, 10220, 11694, 13526, 13668
antarctica Castr. 11023, 13028
atomus Hust. 11694, 12710, 12809
bicapitata A.Mayer 7096, 8896, 8976, 8988, 9444, 9717, 9749(o), 10152, 10414, 10532, 11694, 13008, 13014, 13170, 13365, 13668, 13706
- var. bicapitata 10902, 13366(o,p)
- var. lineolata Moiss. 10900-10904, 13366(o,p)
bicarbonica A.Mayer 10414
bidens Heib. 7054, 7973, 8038, 8691, 8700(p), 8976, 9297, 9444, 10046, 10218, 10220, 10548, 11451, 11694, 12217, 13177, 13178, 13249, 13562, 13668
bituminosa Pant. 9298
- var. perlonga Pant. 8368(o,p), 8370
brevistriata Grun. 7054, 7058, 7187, 7188, 8001, 8038, 8110, 8301, 8309, 8694, 8738, 8781, 8896, 8961, 8976, 9047, 9057, 9298,

9356-9358, 9360-9362, 9444, 9568, 9580, 9643, 9649, 9694, 97I7(p), I0047, I0099, I0I3I, I0I32, I0I48, I0I53, I0202, I02:I, I0543, I0548, I0646, I0798, I0996, II035, II222, II529, II693, II695, II866, I27I0, I3I63, I3I68, I3I70, I3I7I, I320I, I3353, I3354, I3373, I35I7(o), I3522, I363I, I3646, I3668
- var. brevistriata 8700, I02I8, I0220, III94(o), II45I, II694, I2420
- var. constricta Kog. 965I
- var. elliptica Grun. 9694, I02I8, I0220, II694
- var. inflata (Pant.) Hust. 9694, III94(o)
- var. papillosa A.Cl. II45I
- var. subcapitata Grun. 9694, I0548, I0956, II222, II694, I3I68
capitata Ehr. I2I22
capucina Desm. 7054, 72I5, 7222, 7246, 7249, 7250, 7383, 7507, 7757, 7758, 7973, 800I, 8038, 8207, 8266, 830I, 852I, 869I, 87I8, 8928, 90I9, 9024, 9057, 9060, 9I08, 92I4, 9220, 9289, 9292, 950I, 9503, 9568, 9580, 9670, 9674, 9687, 9748, 9749, 980I, 9938, I004I, I0077, I0080, I0082, I0II3, I0I50, I0I53, I024I, I0276, I0280, I0548, I0646, I0732, I0733, I0798, I0956, I0959, III90(o), II274, II442, II452, II486, II488, II672, II673, II693, II695, II730, II739, II866, II88I, II930, II935, II965, I2I22, I2I25, I2346, I2358, I2359, I2393, I2482, I3008-I30I0, I30I2-I30I4, I3I27, I3I68, I32I8, I32I9, I3246, I3249, I3373, I3509, I35I2, I35I7(o), I35I9, I356I, I3562, I3583, I363I, I3642, I3659, I3668, I3679, I3689, I3699
- var. capucina 7805, 8685-8687, 869I, 8700(p), 9444, 9932, 9938, I0008, I02I8, I0220, III84-III86, II45I, II452, II455, II694, II695, I22I7, I27I0, I327I, I3283
- var. lanceolata Grun. 7054, 7973, 8700, 90I8(o), 9444, 9568, 9749(o), 980I, I0I48, I0I53, I02I8, I0220, I024I, I0546, I0548, I0956, III90(o), II45I, I2I25, I27I0, I3009, I30I0, I3283, I3668
- var. mesolepta Rabenh. 7054, 7I32, 7250, 7507, 7973, 8038, 830I, 8686, 869I, 8700(p), 9444, 9445, 9568, 980I, 9932, I0008, I0080, I0I52, I02I8, I0220, III28, III94(o,p), III94(o), II45I, II693-II695, II866, I2I25, I2320, I2579, I27I0, I2933, I2939, I3246, I3249, I327I, I3283, I3373, I3499, I35I7(o), I3583, I363I, I3668, I3758(o,p)
constricta Ehr. 7492, 7497, 7973, 8976, 9242, 9379, 97I5, I04I2, I04I3(o,p), I2405, I3398
- f. constricta 8293, I04I3(o,p), I04I4, II694
- f. stricta A.Cl. 8293, I024I, I04I2, I04I3(o,p), I04I4, II694, I2405
- f. trinodis (Hust.) Pr.-Lavr. I2405
construens (Ehr.) Grun. 7054, 7058, 7I32, 7I42, 7I84, 7I86-7I88, 7250, 7489, 7973, 7988, 7989, 7992, 7993, 800I, 8038, 8248, 8253, 830I, 8384, 8422, 869I, 8694, 87I8, 8738, 878I, 8782, 8896, 896I, 8972, 8976, 898I, 8988, 9029, 9057, 9060, 9078, 9087, 9220, 9227, 9298, 9324, 9356-9358, 9360-9362, 9376, 9442(o), 9446, 9568, 97I7(p), 9749(o), 980I, 9932, I0006, I0008, I0080, I0II3, I020I, I0202, I0286, I0548, I0732, I0798, I0939, I0959, I0997, II035, II158, III90(o), II222, II578, II695, II866, I2I89, I2320, I2346, I2347,

I2560, I28II, I30I2, I30I3, I3027, I3I68, I3I70, I3I7I, I320I, I3246, I3249, I327I, I3354, I3482, I3497, I35I7(o), I35I9, I3520, I358I, I363I(p), I3646, I3647, I3668, I3724, I3747
- var. bigibba A.Cl. 9057, I3I68
- var. binodis (Ehr.) Grun. 7054, 7973, 8038, 830I, 8555, 8686, 8687, 869I, 8698, 8700(p), 878I, 8972, 8976, 9057, 9059, 9442(o), 9444, 97I7, I0046, I0099, I020I, I02I8, I0220, I0245, I0384, I0543, I0902, III23, III28, III90(o,p), II45I, II694, II695, II866, I2347, I2579, I3I68, I320I, I3246, I3249, I3354, I363I, I3668
- var. construens 8423, 8686, 869I, 8700, 9444, 9456, 9457, I0099, I02I8, I0220, I0900, I0902, I0903, III94(o), II45I, II694, II695, I27I0
- var. exigua (W.Sm.) Schulz 98I9, II694, I3246, I3249, I3594-I3595, I3642, I3668
- var. subsalina Hust. 7058, 7I83, 7I88, 8038, 8423, 8738, 878I, 8976, 9057, 9242, 97I7, 9749(o), 980I, I0080, I0384, I0543, I0902, I0956, III28, III84, III94(o), II578, II694, II866, I27I0, I3008, I3353, I3354, I35I7(o), I3522, I3668, I3758(o,p)
- var. triundulata Reich. 7054, 8700, 8782, 8976, 97I7, 980I, I02I8, I0220, I0956, II578, II694, I3I69, I3246, I3249, I3668
- var. venter (Ehr.) Grun. 7054, 7973, 8384, 8422, 8686, 869I, 8694, 8700, 8737, 8738, 878I, 8976, 9029, 9057, 9087, 9I08, 9356, 9447(o), 9456, 9457, 9459, 9463, 9580, 9694, 97I7, 980I, I0099, I0I98, I02I8, I0543, I0548, I0956, I0959, III28, III90(o), III94(o), II45I, II578, II694, II695, II866, I2I89, I2347, I27I0, I3I68, I3246, I3249, I363I, I3668
- - f. rotundata Poretzky II222
crotonensis Kitt. 7054, 7I32, 7I35, 7227, 7246, 7249-725I, 746I, 7462, 7467, 7469, 7470, 7507, 753I, 762I, 7624, 7757, 7758, 7806, 7877, 7973, 7992, 8001, 8038, 8I44, 8202, 8228, 8254, 8308, 83I0, 83I3, 8554, 8555, 8557, 8676, 8685-8687, 869I, 8697, 8698, 8700(p), 8737, 8738, 8830, 8873, 8904, 8905, 8907-8909, 8940, 8942, 9020, 9I24, 9I35, 9220, 9242, 9252, 9257, 9289, 9292, 9324, 9499-950I, 9503, 9568, 9570, 9580, 9666, 9668, 9670, 9674, 9675, 9686, 9687, 9694, 9748, 980I, 9932, 9938, 9959, I0008, I0040, I004I, I0044, I0046-I0048, I0077, I0080, I0086, I0II3, I0II4, I0I80, I02I8, I0220, I024I, I0245, I028C, I0286, I0455, I0548, I0657, I0798, I0800, I0866, I0869, I0870, I0875, I0878, I0975, I0997, II039, II073, III28-III3I, III33, III58, III90(o), III94(o), II45I, II452, II455, II488, II537, II594, II597, II672, II673, II693-II695, II697, II729, II730, II735, II739, II864, II866, II88I, II899, II933, II965, II967, I2049, I2095, I2I2I, I2I25, I2I55, I22I7, I23I8, I2323, I2324, I2327, I233I, I2336, I234I, I2346, I2350, I2359, I24I4, I24I5, I24I9, I2482, I2575, I2577-I2580, I2630, I27I0, I2863, I2870, I2905, I2906, I3008, I30II, I30I2, I30I4, I3056, I3I48, I3I68, I3I97-I320I, I3208, I3245, I3249, I3373, I3488, I3497, I3520, I3530, I3535, I3576, I3583, I3589-I359I, I3593-I3595, I363I, I364I, I3642, I3645, I3659, I3668, I3679, I3689, I3736, I3747

- var. prolongata 8473
- var. pusilla I3I27
cylindrus Grun. 7490, 749I, 7530-7532, 7952, 7954, 7960, 8253, 8254, 8738, 898I, 8995, 9002, 9I24, 97I6, I037I, I0886, I0888, II083, II085, II087, II088, II442, I2228, I27I0, I289I, I2892, I3645
delicatissima Pr.-Lavr. II083, II085
elliptica Schum. II334, II866
hungarica Pant. I363I
- var. tumida A.Cl. II694
hyalina (Kütz.) Grun. 7I64, 9220, II083, II085
inflata (Heid.) Hust. 7054, 7973, 8038, 8422, 869I, 8782, 8784, 9357, 9360, 9568, I0099, III26, I2405, I3008, I3I7I, I3354, I3488, I358I, I3668
- var. inflata 8685-8687, 869I, 8700(p), I02I8, I0220, III28, II694, I22I7
- var. istvanffyi (Pant.) Hust. 8784, 8895, 8896, 9360, I02I8, I0220, II694, I2405, I3I7I, I3354
intermedia Grun. 7054, 7805, 7973, 800I, 8038, 8248, 8423, 8555, 878I, 89I3, 89I4, 89I7, 8922, 9444, 980I, 9220, 9932, I024I, I0248, I0548, I0955, I0956, I0975, III90(o), II866, I2579, I2933, I3008-I30I0, I3I27, I3I68, I320I, I3246, I3249, I3269, I3354, I3373, I3488, I35I7, I3668, I3704, I3747, I3758(o,p)
- var. capitellata A.Cl. 8038, 90I8(o), I0956, I2933
- var. intermedia I0008, III94(o), I2939, I3283, I3294
- var. kamtschatica (Boye-Pet.) Pr.-Lavr. 8922
islandica Grun. 7952, 7954, 7958, 898I, 9I24, 9747, I2004, I289I, I2892, I2956, I3645
kirosakiensis Kanoda 93I2
lacus-baikali Skv. 9748(o), I3756(o,p)
lapponica Grun. 7058, 7287, 7973, 8247, 8694, 8738, 9057, 9298, 9356, 9360, 9444, I0099, I0202, I02I8, I0220, I0543, II3II, II694, I3008, I3I63, I3I68, I3354, I3668
leptostauron (Ehr.) Hust. 7054, 7I3I, 7I42, 7250, 7973, 8038, 8247, 8738, 9057, 9059, 9060, 9444, 9445, 9749(o), 980I, I0384, I0548, I0939, I0956, III90(o), II694, II695, II696(o), II866, I2405, I2723, I3008, I30I4, I320I, I3354, I3668
- var. dubia Grun. 9057, 972I, I0902, I0956, I2320
- var. leptostauron 8700, 972I, I0008
- var. rhomboides Grun. 9057, 980I, I0956
maeotica Milov. I0462
magocsyi Lacsny I2776, I2784
miocenica Jousé 8422, 8988, I04I2, I0899, I090I, I2037
- var. chankensis Moiss. I0900, I0902-I0904
- f. chankensis Moiss. 8293, I04I2, I04I4
- var. miocenica I0900, I0902-I0904
- var. tetranodis Moiss. I0900-I0904
mutabilis Grun. 8266
nitzschioides Grun. I0I52, I0532
- var. kamtschatica Lupik. 8293, I04I2, I04I3(o,p), I04I4
oceanica Cl. 74I5, 74I6, 7424, 7490, 7530-7532, 7952, 7954, 7960, 82II, 8387, 8738, 898I(p), 8995, 9002, 9I24, 95I0, 9568, 97I6, 9721, 9747, I00I3, I00I4, I00I7(o), I033I, I0886-I0892, II424, II779, II994, II997, II998, I2006, I2007, I2222, I2228, I2365, I27I0, I289I, I2892, I2955, I2956, I2962, I3645, I3649
- var. circularis Grun. I3724
- f. circularis Grun. I2004, I2892
- var. oceanica I2004
pediculata Pr.-Lavr. II806(o,p)
pinnata Lhr. 7054, 7I3I, 7I32, 7I35, 7I37, 7I42, 7I84, 7I88, 7249, 7250, 7700, 7973, 800I, 8038, 8I48, 8207, 8248, 8309, 869I, 8737, 8738, 9057, 9059, 9060, 9087, 9242, 9298, 9357, 9358, 9360, 9362, 9379, 9444, 9568, 9580, 9649, 9694, 97I5, 9749(o), 980I, 98I9, I020I, I0202, I0245, I0532, I0543, I0548, I0646, I0683, I0939, I0956, III90(o,p), II222, II424, II442, II452, II529, II695, II739, II866, I2320, I2467, I2579, I2899, I2938, I3008, I30I4, I3I7I, I3354, I3373, I363I, I3668, I3724, I3756(o,p)
- var. baikalensis Skv. I3756(o,p)
- var. elliptica (Schum.) Carlson 8737, 8738, I3I63, I3I68, I3724
- var. intercedens Grun. 9057, 9087, II866, I27I0, I3354
- var. lanceolata (Schum.) Hust. I02I8
- var. lancettula (Schum.) Hust. 7054, 7973, 8038, 8700(p), 9057, 980I, I0046, I0099, I0I69, I0220, I0902, II45I, II694, I2I22, I3I68, I3354, I3668
- var. pinnata 8423, 8687, 869I, 8700(p), 972I, I0099, I02I8, I0220, III28, III94(o), II45I, II455, II694, I27I0
- var. subrotunda A.Mayer I02I8
- var. trigona (Brun et Herib.) Hust. 9057, II694, I3668
pliocaena Brun I3I62
polygonata A.Cl. II694, I363I(p), I3668(o,p)
schwartzii Brock. 9029
spinosa Skv. 7973, I3I69, I320I, I3756(o,p)
striatula Lyngb. 9220, II442, I2004
triangulata Moiss. I0900-I0904, I3366(o,p)
undata W.Sm. I3354
vaucheriae var. capitellata (Grun.) A.Cl. I02I8, I0220, II694
- var. distans (Grun.) A.Cl. 965I, I02I8, I0220, II694
- var. fallax (Grun.) A.Cl. II694
- var. parvula (Kütz.) A.Cl. I02I8, I0220, II694
vaucheriae (Kütz.) Peters var. vaucheriae I02I8, I0220, II694
virescens Ralfs 7507, 7973, 800I, 8038, 8I44, 8264, 8422, 8473, 8555, 878I, 90I2, 9024, 9053, 9057, 9059, 9078, 9220, 9289, 9379, 950I, 9503, 9568, 9580, 9674, 9689, 9690, 9749(o), 980I, 98I0, 9932, 9938, I0077, I0080, I0082, I0II3, I0I53, I0I69, I02I8, I0396, I0646, I0798, I082I, I0822, I0866, I0870, II039, III58, II222, II424, II537, II866, II930, II965, I2049, I2I22, I2I25, I2I89, I22I5, I23I8, I2320, I2482, I2933, I3008-I30I0, I30I2, I30I4, I3I58, I3I68, I3I70, I32I8, I3354, I3365, I3522, I3590-I3595, I3642, I3668, I3679
- var. capitata Oestr. 800I, 8422, 9057, 950I, I0202, II694, II830, I3668
- var. elliptica Hust. 7054, 7973, 869I, 8700, 9447(o), I0099, II455, I3354
- var. exigua Grun. 8738, 9749, II694, I3354, I3668

- var. lanceolata Grun. 7973
- var. lancettula (Schum.) Hust. 7973
- var. mesolepta Schönf. 9057, I0047, III90(o), I27I0, I3668
- var. oblongella Grun. 8293, 878I, 9057, I0099, I0902, I0939, II694, I3668
- - f. clavata V.H. 7975
- var. subsalina Grun. 8422, 878I, I0939, II694, I3353, I3354
- var. virescens I0099, II694, I27I0, I3283
Fragilariopsis Hust.
sp. sp. 7728, 8595, 8597, 8994, I0978, I0982, I2I52
antarctica (Castr.) Hust. 7532, 7667, 7733, 7735(p), 8977(p), 8999, 9000(o,p), 9002(p), 9702, 9703(p), 9704, 9705, 9708, 97II(p), 97I2, 97I6, I033I, I0332, I0976(p), I0978, II023, I3028, I3649
atlantica Paasche 7954
australis Muhina I0976(p), I0977(o,p), I0978, I0982
curta (V.H.) Hust. 7534(o), 7536, 7667, 7735(p), 8999, 9000(o,p), 9002(p), 9702, 9703(p), 9704, 9705(p), 9708, 97II(p), 97I2, 97I6, I033I, I0332, I3649
- f. minima Kozlova 9704, 9705(p)
cylindrus (Grun.) Helmcke et Krieg. 7733, 7734, 7735(p), 8999, 9000(o,p), 9703, 9704, 9705(p), 9709, 97II, 97I2, 97I6, I3353, I3649
elliptica Muhina I0978
linearis (Castr.) Hust. 7735(p), 9000(o)
nana (Nielsen) Pasch. 7954, I2I52
obliquecostata (V.H.) Heid. et Kolbe 9000(o,p), 9703, 9704, 9705(p)
oceanica (Cl.) Hasle 9709, 97I2, I2599
pliocena (Brun) Sheshuk. 8990, 972I
rhombica (O Meara) Hust. 7733, 7735(p), 8999, 9000, 9002(p), 9702, 9703(p), 9704, 9705(p), 9708, 97II, 97I2, 97I6, I0332
- f. minima Kozlova 9705(p)
ritscheri Hust. 9000(o), 9703(p), 9704, 9705(p), 97II, 97I6, I3649
separanda Hust. 9000(o,p), 9002(p), 9703(p), 9704, 9705, 97II, 97I6, I3649
sublinearis (V.H.) Heid. et Kolbe 7735(p), 8977(p), 9000(o,p), 9002(p), 9703(p), 9704, 9705(p), 9708, 97II, 97I6, I3649
vanheurckii (M.Peragz.) Hust. 9000(o)
Francoia Lemm.
sp. sp. I0008, II88I
armata (Lemm.) Korsch. II584
droescheri (Lemm.) Korsch. 980I, I0220
echidna (Bohl.) Korsch. 8038, 8725, I2482, I2935, I2939, I327I, I3272, I353I, I3535
elegans I3287
elongata Korsch. 8038, 8700, 9687, II45I
ovalis (Francé) Lemm. 980I, I082I
polychaeta (Schirsch.) Korsch. 980I, I3274, I3287, I3524
tenuispina Korsch. 8038, 9289, 980I, I0046, I0048, I0646, II866, I327I
Frustulia Ag.
sp. sp. 783I, 9060, I04I4, I3I63
rhomboides (Ehr.) De Toni 7054, 7973, 878I, 9029, I0202, I02I8,

I0220, I0388, I0646, II529, II693, I2405, I250I, I3I63, I3I68, I363I, I3668, I3757(o)
- var. amphipleuroides Grun. 7054, 8700(p), II3II, II559, II694, I3756(o,p)
- var. lineolata Kütz. I3354, I3757(o,p)
- var. rhomboides 9444, 9445, II694, II695, I327I
- var. saxonica (Rabenh.) De Toni 7054, 8687, 8700, 9297, 9379, 9444-9446, I0309, I0646, II3II, II693, II695, I3354, I3503, I3504, I35II, I35I7(o), I363I, I3668, I3724, I3757(o)
- - f. capitata A.Mayer II694, I3668
- - f. saxonica II694
- - f. undulata Hust. II694, I35I9, I3525, I3668
- var. tibetana I3503
- var. undulata Hust. I0646
- f. undulata Hust. II693
vulgaris (Thw.) De Toni 7054, 7973, 8038, 8422, 8738, 89I4, 980I, I0080, I0384, I0900, I090I, I0956, III90(o,p), I2I54, I2320, I3668
- var. capitata Krasske 9444, 9445, II694, I3668
- var. vulgaris 8423, 8687, 869I, 8700, 9444, 9445, I0902, I0903, II694
Fucus L.
sp. sp. 7II8, 7I56, 7423, 8063, 886I, 9062, 9I56, 9I96, 93I3, 938I, 9539, 9546, 9862, 9944, I0372, I0940, II3I0, II385, II432, II608, II6II, II632, II776, I2368(p), I2664, I3260, I3403, I3477, I3708, I3735
balticus Ag. 7II8
ceranoides L. 9I24, I3645
distichus L. 7427, 7429, 7430, 7434, 7608, 76I5, 8275, 8550, 9I75, 9734, 9978, I0435, II379, II429, II435(o), II436, II440, I2062, I2707, I2980, I3632
- f. anceps (Harv. et Ward) Ju.Petr. 7608, 76I5, II435(o)
- subsp. distichus 7606
- f. distichus 8064, 9026, II435(o)
- subsp. edentatus (De la Pyl.) Powell. 7606
- f. edentatus (De la Pyl.) Ju.Petr. 7608, 76II, 76I5, 8064, II435(o), II439, I2062
- f. latifrons (Foslie) Ju.Petr. 7608, 76II, 76I5, 8064, II435(o)
edentatus Dela Pyl. 8275
evanescens Ag. 805I, 8052, 8054, 8056, 8058-8060, 8070, 8072, 8073, 8275, 859I, 9I24, 9I54, 9I69, 9I75, 9406, II20I, II384, II435(o), II436, I2064, I2604, I2607, I3029, I3479, I3633, I3720
- f. cylindricus Nagai 76I2-76I4, 8072, II435(o)
- f. evanescens 76I2-76I4, 8072, II435(o)
filiformis Gmel. 7429, 760I, 8275, 8279, 8284, 8550, 9025, 9406, I0II0, I3632
- f. nanus Sinova I0437, I2980
fuecii De la Pyl. 8275, 9406
inflatus Vahl 7II8, 7767, 7768, 7942, 8275, 8279, 8284, 8550, 9I24, 9406, 9533, 954I, 9978, 9979, I0II0, I0435, II090, II377, II379, II880, I2374, I2907, I3030, I3032, I3034, I3II6, I3220-I3222, I3692, I3708
- f. latifrons Foslie 760I
serratus L. 7II8(p), 7427, 7429, 7430, 7434, 760I, 7606, 7608,

7611, 7615, 7766-7768, 7942, 8064, 8275, 8278, 8279, 8282, 8284, 8550, 8841, 8842, 9124, 9152, 9178-9180, 9406, 9533, 9541, 9734, 9978, 9979, 10110, 10435, 10437, 11346, 11379, 11440, 11605-11606, 12062, 12374, 12406, 12707, 12907, 12980, 13030, 13032, 13034, 13035, 13043, 13045, 13047, 13116, 13632, 13645, 13692, 13708
- f. angustus Kjellm. 13708
spiralis L. 7606, 7608, 7611, 7615, 7938, 8550, 11346
vesiculosus L. 7118(p), 7160, 7161, 7258, 7427, 7429, 7430, 7434, 7449, 7577, 7601, 7606, 7608, 7611, 7615, 7766-7768, 7865, 7939, 7942, 8064, 8275, 8278, 8279, 8282, 8284, 8550, 8841, 8842, 9124, 9152, 9178-9180, 9406, 9533, 9534, 9541, 9545, 9734, 9809, 9978, 9979, 10110, 10435, 10437, 10710, 10711, 11346, 11379, 11440, 11589, 11605-11606, 11833, 11880, 12062, 12374, 12406, 12520, 12585, 12611, 12707, 12907, 12980, 13030, 13032, 13034, 13036, 13043, 13045, 13047, 13116, 13220-13222, 13622, 13626, 13632, 13645, 13669, 13687, 13688, 13692, 13708
- f. angustifolius Ag. 13687
- f. elongatus Kjellm. 8279
- f. filiformis Ag. 13687
- f. nanus Ag. 13687
- f. plicatus Kjellm. 13687
- f. vadorum Aresch. 8064
virsoides J.Ag. 10143
Furcellaria Lamour.
sp. sp. 8286, 8601, 9062, 9530, 9539, 11385, 11632, 13131, 13477
fastigiata (L.) Lamour. 7161, 7259, 7601, 8064, 8275, 8277, 8279, 8284, 8602, 9124, 9152, 9534, 9541, 9542, 9545, 12520, 12585, 13116, 13622, 13626, 13645, 13669, 13687, 13688
Furcilla Stokes
sp. sp. 10131
lobata Stokes 10131
Fusola Snow
viridis Snow 8038, 9446
Galaxaura Lamour.
falcata (Mart.) Schmitz 8054
Gardodinium Alb.
eisenackii Alb. 8048-8049(o,p)
Garwoodia Wood.
sp. sp. 9823
Gastanidium
variabile Grun. 10092
Gayella Rosenv.
polyrrhiza (Setch. et Gardn.) Rosenv. 8054
Gayralia Vinogr.
oxysperma (Kütz.) Vinogr. 7947, 7948
Gelidiella Feld. et Hamel
antipai M.Čelan 9420
tenuissima Feld. et Hamel 12917
Gelidiopsis Schmitz
planicaulis (Taylor) Taylor 12917
Gelidium Lamour.
sp. sp. 8531, 9407, 9530, 10409, 10897, 13113, 13633, 13735
cartilagineum (L.) Gail 8054

corneum (Huds.) Lamour. 10929
crinale (Turn.) Lamour. 7162, 9124, 9418, 9420, 10055, 10929, 11142, 11408, 11409(o), 11412, 11420
latifolium (Grev.) Born. et Thur. 7413, 9418, 9420, 10145, 11142, 11409(o), 11410-11412, 11416, 11417, 11420, 11423, 11600, 11601, 13313
vagum Okam. 7636, 7786(o,p), 12604, 12607
Gemellicystis Teil.
neglecta Teil. 9932
Geminella Turp.
interrupta Turp. 10218
minor (Näg.) Heering 10220
Geminocarpus Skottsb.
geminatus (Hook. et Harv.) Skottsb. 9869
Gemmiphora Skabitsch.
compacta Skabitsch. 9260, 9261, 12329
Genicularia De Bary
sp. sp. 8308
spirotaenia De Bary 9932, 10160
Gephyrocapsa Kampt.
oceanica Kampt. 7633, 12921(p), 12922, 13475(o,p)
Giffordia Batt.
ovata (Kjellm.) Kylin 12664
Gigartina Stackh.
sp. sp. 8059, 10409
acicularis (Wulf.) Lamour. 9162(o)
mamillosa J.Ag. 13686
ochotensis Rupr. 7612, 7613, 7636, 8054, 8058, 8060, 8070, 8073, 11384
pacifica Kjellm. 8058
stellata (Stackh.) Batt. 7422, 7606, 7942, 10110, 11605-11606
teedii (Roth) Lamour. 8054
unalaskensis (Rupr.) Kjellm. 7613, 8054
Ginginodinium Cook. et Eis.
spinulosum Cook. et Eis. 8048-8049(o,p)
Giraudia Derb. et Sol.
sphacelarioides Derb. et Sol. 9420, 9421
Girvanella Nich. et Ether.
sp. sp. 7153, 7268, 8376, 8378, 8607, 8682, 8947, 8948, 9207, 9561, 9822(p), 9823, 9824, 9828, 9831, 9833, 10311, 10534, 11569, 11960, 13094, 13183, 13231, 13232(p), 13233, 13236, 13237(p)
amgaica Korde 9833
antiquoformis Vologd. 8112
conferta Chapm. 7267, 8607, 8609, 9351, 13596-13597
ducii Weth. 7267, 7270, 10758, 13232, 13235(o,p), 13236, 13237
incrustans Weth. 7270
mucosa 9351
problematica Nich. et Ether. 8171(o,p), 13235(o,p), 13236, 13237
recta Gudym. 8607, 8609
sibirica Masl. 8607, 8609, 9697, 11127, 12077, 12223, 12233, 12513, 12753, 13596-13597
Gladius Forti et Schulz
sp. sp. 7824, 8218, 12534, 13095
clavatus Jousé 8990, 9952, 13367

cretaceus Jousé 8990
hispidus Jousé 82I8, 9952, I0946, I3367
speciosus Schulz 7824
Glaucocystis Itz.
nostochinearum Itz. 8266, 9446, 9694, I0029, I2667(o,p)
Glaucolithus
diplogrammus (Defl.) Reinh. I3466, I3469
fibuliformis Reinh. I3469
quadridentatus Schumenko I3466
Glaucosphaera Korsch.
vacuolata Korsch. 9749(o), I0220
Glebosites Reitl.
sp. sp. I0572
Glenodiniopsis Woloosz.
uliginosa (Schilling) Woloosz. 87I7, 87I9
Glenodinium Ehr.
sp. sp. 706I-7063, 7348, 735I, 7509, 75II, 7952, 8038, 8760, 8762, 8763, 9054, 92I4, 922I, 9340, 9433-9434, 9687, 9785, 9787, 9788, 9790, 979I, 9959, I0008, I0044, I0046, I0080, I0245, I0280, I0362, I0469, I0475, I0690, I082I, I0840, I0888, III98, II40I, II403, II594, II730, II866, II933, I2078, I2079, I208I, I2I53, I2I75, I2350, I3I27, I3246, I3249, I3274, I3294, I3699, I3736, I3750
apiculatum Zach. 8762, 9I24, 9220
behningii (Lind.) I.Kiss. 7348-7355, 9220, 9223
berolinense (Lemm.) Lind. 87I9, 980I, 9882, I2776, I2784, I327I
borgei (Lemm.) Schill. 72I5, 8890, 9438, 9643, 9648, 9649, 965I, 9666, I0548, I0549, I3057, I3535
caspicum (Ostf.) Schill. 72I9, 7350, 7353-7355, 87I9, 9I32, 92I5, 9220, 9649, 965I, I0280, II537, II545
danicum Pauls. 75I7, 8752, 8763, 9I24, 9220, I00I7(o), I0673, II537, I2004, I2892
dinobryi (Woloosz.) Schill. I2680
edax Schilling 87I9, 9882
elpatiewskyi (Ostf.) Schill. 7249, 87I9, 8720, 90I8(o), III58, I30I4, I35I2
foliaceum Stein 7744, 9220, I08I4, I20I8, I3043
- var. ponticum Rouch. I20I8(o,p)
gymnodinium Penard 7I03, 7462, 7467, 7469, 7757, 800I, 83I0, 87I5, 87I9, 8720, 9292, 9882, I0077, I0079, I0080, I0082, II223, II739, II866, I3026, I3I27, I3736
inflatum Meunier 7954, 9220
lanskayae 7744, I3043
lenticula (Bergh) Schill. 706I, 7063, 7348-7350, 7353, 7354, 7950, 7954, 8763, 9220, 9649, 965I, I0280, II537, II545, I2004, I2892
- f. globulare I.Kiss. 82II
- f. globulus I.Kiss. 7952
- f. minus (Pauls.) Pav. 7353, 9220, I0280, II537, I2892
obliquum Pouch. 9220
oculatum Stein 87I9, 9220, 958I, 980I, 9882, I3583
paululum Lind. 7061, 87I9, 8763, 92I4, 9220, 96I9, 9787-979I, II537, I20I9
pennardiforme (Lind.) Schill. 87I9, 9643, I3249, I327I, I3526, I3530

penardii Lemm. 800I, 87I5, 87I9, 980I, I0220, I0646, II866, II93I, II932, II935, I3373
pilula (Ostf.) Schill. 7353-7355, 8763, 92I4, 9220, 9223, 96I9, I0206, II537
pulvisculus (Ehr.) Stein 800I, 8038, 9220, 980I, I0080, II537
pygmaeum (Lind.) Schill. I082I, II595, I35I5
quadridens (Stein) Schill. 7470, 7757, 8038, 830I, 87I0, 87I9, 8720, 9648, 9649, 965I, 980I, 9882, I0044, I0046, I0363, I0644, I0822, III86, II488, II739, II864, II866, II93I-II933, II935, I2327, I2482, I3246, I327I, I3274, I35I2, I3526, I3535
robustum Meunier I2004
rotundum (Lebour) Schill. 706I, 92I5, 9220, I2004
triquetrum (Ehr.) Lebour I2004
trochoideum (Stein) Lemm. 9I24, I2004
Globochaete
alpina Lombard I03I4, I03I5
Globulocella Korde
sp. sp. 9823, 9828
botomensis Korde 982I(o,p), 9822, 9833
incompacta Korde 982I(o,p), 9833
Gloeoactinium G.Sm.
sp. sp. II737
Gloeobotrys Pasch.
chlorina Pasch. IIII7, I2I95
ellipsoideus Pasch. IIII7
Gloeocapsa Kütz.
sp. sp. 7I03, 7I73, 7243, 7246, 7295, 7303, 7342, 7348, 735I, 7438(p), 7757, 7777, 7848, 8038, 8907, 8920, 9337, 9437, 9492, 9580, 9752, 9959, I0008, I0023, I0048, I0I04, I0II3, I0265, I0279, I0366, I0375, I0475, I074I, I082I, I0845, I0928, I0996, III0I, III98, II550, II595, II672, II730, II88I, II93I, I2048, I2236, I2327, I2577, I2580, I2630, I2647, I2653, I28I7, I30I0, I3202, I32I7, I3246, I3293, I3294, I3488, I35I0, I3576, I363I, I3644
alpina Näg. 8725, I0026, I0280, I0956, I0967, I0968, I3522, I353I, I3654
- f. ambigua (Kirchn.) Hollerb. 8725, I0026, I353I
- f. lignicola (Rabenh.) Hollerb. I0026, I02I8, I0220
calcarea Tild. 8725, I35I8, I353I
chroococcoides Novaček 8777
cohaerens (Bréb.) Hollerb. 8700, 8725, 9298, I0026, I0I26, I0968, II45I, I209I, I2094, I3522, I353I, I363I
crepidinum Thur. 8035, 965I, I0968, II756, I209I, I2094, I3522, I3524, I363I
decorticans (A.Br.) P.Richt. 7507, 8778(o), 9882, I0026, I2094, I3522
dermochroa Näg. I0026, I0I26, II720, I2094, I35I7(o), I363I
deusta (Menegh.) Kütz. II425(o,p), II442
gigantea (West) Hollerb. 72I5, I0956
haematodes Kütz. I0028(o), I2800, I3522
kuetzingiana Näg. 8778(o), 9298
limnetica (Lemm.) Hollerb. 7469, 7507, 7877, 7988, 800I, 8038, 8202, 83I3, 83I6, 83I7, 8554-8556, 8700, 8778(o), 89C4, 8905,

8907, 9019, 9053, 9134, 9135, 9242, 9289, 9298, 9505, 9568, 9617, 9768, 9800, 9801, 9819, 9882, 10026, 10046, 10074, 10077, 10079, 10080, 10082, 10085, 10130, 10133, 10218, 10363, 10821, 10822, 10870, 11128, 11190(o), 11274, 11537, 11672, 11673, 11734, 11739, 11864-11866, 11881, 11966, 11967, 12049, 12050, 12320, 12323, 12324, 12327, 12331, 12333, 12341, 12577, 12579, 12581, 12710, 13013, 13014, 13059, 13061, 13127, 13189, 13199, 13245, 13323, 13398, 13518, 13522, 13547, 13631, 13641, 13642, 13679, 13689, 13704, 13747

- f. distans (G.Sm.) Hollerb. 10028(o), 10220, 11672
- f. limnetica 8908-8910, 9133, 10008, 10220, 11675

lithophila (Brceg.) Hollerb. 10956, 13522

magna (Bréb.) Kütz. 7373, 8001, 9292, 9580, 10026, 10151, 10548, 11932, 11933, 11935, 13009, 13010, 13271

minima (Keissl.) Hollerb. 7247, 7250, 7294, 7296, 7507, 8001, 8035, 8038, 8555, 8604, 8725, 9018(o), 9021, 9024, 9133, 9134, 9289, 9501, 9503, 9801, 9932, 10026, 10077, 10080, 10082, 10131-10133, 10548, 10822, 10968, 11673, 11866, 12124, 12451, 12481(o), 12710, 12982, 13009, 13010, 13631, 13689, 13747

- f. minima 10008, 10133, 10218, 10220, 12482, 12946(o)
- f. smithii Hollerb. 8038, 10026, 10133, 10218, 10220, 12482

minor (Kütz.) Hollerb. 7294-7296, 7507, 7988, 8001, 8038, 8725, 8777, 8923, 9134, 9242, 9289, 9292, 9651, 9801, 9944, 10026, 10126, 10131-10133, 10149, 10153, 10280, 10309, 10548, 10715, 10821, 10876, 10878, 10963, 10968, 11274, 11537, 11595, 11672, 11673, 11720, 11865, 11866, 11881, 12195, 12327, 12481(o), 12482, 12932, 12935, 12938, 13056, 13061, 13453, 13518, 13528, 13531, 13631, 13689

- var. dispersa (Keissl.) Hollerb. 9801
- f. dispersa (Keissl.) Hollerb. 8038, 9024, 9289, 9932, 10026, 10130, 10133, 10218, 10220, 10822, 11190(o), 12195, 12946(o)
- f. glomerata Frémy 12327, 12946(o)
- f. minor 9133, 10008, 10133, 10218, 10220, 12195, 12939, 12946(o)

minuta (Kütz.) Hollerb. 7215, 7225, 7344, 7373, 7599, 7670, 7676, 7750, 7988, 8038, 8700, 8718, 8725, 8904, 9289, 9292, 9298, 9568, 9581, 9649, 9694, 9749(o), 9751, 9768, 9801, 9932, 9938, 9944, 10026, 10080, 10126, 10133, 10149, 10218, 10327, 10363, 10548, 10715, 10955, 10956, 10973, 10975, 11117, 11190(o), 11455, 11479, 11483, 11673, 11755, 11756, 11866, 11881, 11966, 12049, 12050, 12091, 12094, 12195, 12261, 12358, 12478, 12481(o), 12482, 12645, 12667(o), 12680, 12710, 12928, 13009, 13013, 13127, 13177, 13178, 13271, 13373, 13435, 13453, 13458, 13459, 13482, 13506, 13511, 13514, 13517(o), 13518-13520, 13522, 13524-13528, 13530, 13531, 13631, 13679

- f. consociato-dispersa (Elenk.) Hollerb. 10026, 10126, 10220, 11190(o)
- f. minuta 9500, 10008, 10220, 12650, 13518

montana Kütz. 8700, 8777, 8778(o), 9694, 10026, 10126, 10127, 10148, 11190(o), 11451, 12195, 13508, 13517(o), 13522, 13631

- f. fenestralis (Kütz.) Hollerb. 9749(o,p), 10026, 10218, 10220

punctata Näg. 8555, 8700, 8778(o), 10026, 10280, 10967, 10968,

11442, 11451, 11455, 13398(o), 13517(o), 13657

rupestris Kütz. 10026, 10126, 10148

tenax (Kirchn.) Hollerb. 8700, 8725, 10026, 12122, 12482, 13499, 13517(o), 13520, 13526, 13657

turgida (Kütz.) Hollerb. 7049, 7295, 7296, 7620, 7802, 7985, 8001, 8035, 8038, 8310, 8313, 8317, 8555, 8725, 8776, 8777, 8874, 9053, 9134, 9242, 9289, 9292, 9298, 9446, 9501, 9617, 9649, 9652, 9664, 9666, 9687, 9694, 9749(o,p), 9751, 9768, 9801, 10008, 10026, 10028(o), 10046, 10077, 10079, 10080, 10082, 10113, 10126, 10148, 10153, 10218, 10280, 10309, 10363, 10548, 10646, 10715, 10866, 10956, 10968, 10973, 11117, 11128, 11190(o), 11442, 11488, 11537, 11672, 11673, 11757, 11866, 11881, 11932, 11967, 12049, 12050, 12091, 12092, 12094, 12122, 12175, 12261, 12331, 12482, 12637, 12650, 12651(o), 12667(o), 12710, 12928, 13010, 13061, 13245, 13249, 13398(o), 13412, 13499, 13502, 13504, 13506, 13515, 13517(o), 13518, 13519, 13522, 13525-13528, 13531, 13631, 13642, 13657, 13679, 13689

- var. luteola (Woronich.) Hollerb. 9242
- f. luteola (Woronich.) Hollerb. 8725, 9882, 12811, 13517, 13519, 13520
- f. maxima (Nyg.) Hollerb. 8035, 10026, 10220
- f. mipitanensis (Wołosz.) Hollerb. 8700, 11190(o), 11451, 12481(o), 13522
- f. quaternaria (Zalessky) Hollerb. 8700, 10026, 11451
- f. submarina (Hansg.) Melnik. 10715
- f. subnuda (Hansg.) Hollerb. 7049, 8725, 10026, 10715, 10956, 10975, 12091, 12094, 12667(o), 13522, 13531, 13642
- f. thermalis (Kütz.) Kol 10028(o)
- f. turgida 7294, 9133, 10220, 12481(o)
- f. violacea (West) Hollerb. 10548, 12091, 12094

vacuolata (Skuja) Hollerb. 7295, 7802, 7805, 8700, 9289, 9298, 9749(o,p), 9882, 10113, 10292, 12122, 12680

varia (A.Br.) Hollerb. 9617, 10026, 10028(o), 10548, 11190(o), 12195

Gloeocapsomorpha Zalessky

sp. sp. 8964, 9079, 9823, 9833, 10217, 12728, 12733, 12742, 12755

macrocysta Tim. 9201, 9697

prisca Zalessky 7359, 9201, 9472, 12725, 12726(p)

Gloeochloris Pasch.

planctonica Pasch. 10177

Gloeococcus A.Br.

sp. sp. 7295, 7506, 9108, 11731

schroeteri Lemm. 7295-7297, 8260, 8301, 8473, 9018(o), 9019, 9108, 9220, 9297, 9298, 9446, 9448, 9568, 9748(o), 9932, 9938, 10218, 10644, 10715, 10822, 11720, 12358, 13666, 13689, 13736

Gloeocystis Näg.

sp. sp. 7080, 9242

ampla Kütz. 8038

planctonica (Turp.) Bréb. 10195, 12052, 13665

riparia A.Br. 13645

vesiculosa Näg. 10218, 11720, 13666

Gloeodendron Korsch.

ramosum Korsch. 9749(o,p)

Gloeodinium Klebs
montanum Klebs 87I7, 87I9
Gloeophyllum Korsch.
sp. sp. 7383
fimbriatum Korsch. 9292, I0646, I0956, I3530
Gloeotaenium Hansg.
sp. sp. I0220
Gloeothece Näg.
sp. sp. I209I, I35I8
coerulea Geitl. I30I0
confluens Näg. 8035, 8700, 9694, I0026, I0I33(o), I0220, II45I
heufleri Grun. I0026
palea (Kütz.) Rabenh. 9694, I0026, I0I26
rupestris (Lyngb.) Born. 7676, 8I73, 96I7, I0026, I0I26, I0952, III90(o), I2049, I2050, I2879, I3522, I3687
Gloeotila Kütz.
sp. sp. 8906, 8907, 8909, 89I0
contorta Chod. 8266, IIII7, I3526
mucosa Kütz. I3453
pelagica (Nyg.) Skuja I2578-I2580
planctonica Boloch. 7507, 8700, 9932, II45I, II455
protogenita Kütz. 7436, 7676, I07I5, IIII3, IIII7, I35I4
scopulina (Hazen) Heering 7225, 8038, IIII3
Gloeotrichia J.Ag. ex Born. et Flah.
sp. sp. 7243, 7246, 7252, 7380, 8228, 8449, 8457, 8467-8469, 8807, 8945, 9053, 9I04, 9II0, 9337, 9656, 9768, I0I74, I0855, I0920, II2I5, II448, II45I, II67I, II756, II899, II93I, I2048, I2I75, I2I95, I26I7, I2630, I2993, I3294, I343I, I366I
bucharica I.Kiss. I35I8
echinulata (J.Sm.) P.Richt. 7246, 7249, 725I, 7507, 7848, 8202, 83I0, 8353, 8448, 8450, 8462, 8463, 8473, 8749, 875I, 8904, 8906-8908, 9024, 9250, 930I, 9499, 9670, 9698, 997I, I0008, I0026, I0027, I003I, I0046, I0080, I0II3, I0I73, I0I80, I02I8, I0220, I022I, I045I, I0538, I0798, I0822, I0864, I087I, I0876, I0878, I0879, I0906, I095I, II596, II597, II67I-II673, II675, II683, I2244, I2579, I2580, I3059, I306I, I3245, I3488, I363I, I3648, I3659, I3679, I3704
intermedia (Lemm.) Geitl. 9476, I0026, I2I75
natans (Hedw.) Rabenh. 7I8I, 7247, 7250, 7676, 7983, 7984, 7992, 8000, 800I, 8448, 8450, 8500, 850I, 8504, 8505(p), 8700, 8942, 9024, 9080, 980I, 9838, I0026, I0I52, I0I53, I0644, I07I5, III90(o), II223, II866, I2643, I2645, I30I3, I35I4, I3687, I3747
- f. bucharica I.Kiss. 8502, 8505, I0548, III90(o), II258, I35I8
- f. salina (Kütz.) V.Poljansk. 7983, 8000
pisum (Ag.) Thur. 7I87, 8304, 8448, 8450, 8460, 8462, 8463, 8700, 9024, 9250, I0026, I02I8, I0220, I0548, I0644, II866, I2049, I2I75, I2359, I363I, I3679
punctulata Thur. 7983, 8000
rabenhorstii Born. I0026
tuzsoni Palik 9749(o,p)
Gloiopeltis J.Ag.
sp. sp. 7422, 805I, 8063, I0409
capillaris Sur. 76I2, 76I3, 7636, 805I, 8052, 8054, 8058-8060,

8070, 8073, 8592, 9I24, 9384, II384, I2604, I2607, I2664, I3720
furcata (Post. et Rupr.) J.Ag. 7636, 805I, 8052, 8054, 8056, 8059, I2604, I2607, I3633
- f. coliformis (Harv.) Okam. I2064, I3720
Gloiosiphonia Carm.
capillaris (Huds.) Carm. 7636, 8054, I2607, I2664, I3633
Gloxidium Korsch.
rotatoriae Korsch. 9294, 9296
Glyphodesmis Grev.
sp. sp. 8990
distans (Greg.) Grun. 7597, 8738, I0384(p), I0386(o,p), I0388, I0389, I039I
noncorensis (Grun.) Kolbe. 89oo
Glyphodiscus Grev.
sp. sp. II334, I2534
bipunctatus A.S. 8370
stellatus Grev. 8370
strigillatus A.S. 8370
Gobia Reinke
baltica (Gobi) Reinke I3645
Goksuella Güvenç
kuchtikovii Saltovsk. I2I36(o,p)
Golenkinia Chod.
sp. sp. 9200, 950I, I3736
brevispina Korsch. 9944, I24I6, I3246, I327I, I3279, I3287
paucispina W. et G.S.West 8038, I3736
radiata Chod. 7250, 762I, 7806, 800I, 8038, 87I8, 90I2, 9453, 9500, 980I, 9959, I0008, I0046, I0080, I0II3, I0I3I, I02I8, I0220, II537, II673, II864, II866, II965, II967, I3009, I30I0, I3I27, I3I29, I3I59, I3246, I3249, I3250, I327I, I3272, I3274, I3535, I3537, I3594-I3595, I3689
Golenkiniopsis Korsch.
sp. sp. 970I
longispina Korsch. 7589, 762I, 8555, 980I, III84, I2482, I2483
parvula (Woronich.) Korsch. 8725, 89I6, I0077, I0080, I0082, I2327, I3530, I353I
solitaria Korsch. 72I5, 72I8, 7589, 7966, 800I, 8700, 9944, I0046, I0280, II673, I2248, I2342, I2483, I3530
Gomontia Born. et Flah.
polyrrhiza (Lagerh.) Born. et Flah. 7947, 7948, 8899, 903I, II573
Gomontiella Teod.
subtubulosa Teod. III85
Gomphocymbella O.Müll.
sp. sp. 9057, I3353
anoyli (Cl.) Hust. 8976, 8988, I3063, I3065, I3283
miocenica Jousé 8988, I0900-I0904, II559
Gomphonema Ag.
sp. sp. 7040, 7I55, 72I9, 7295, 7496, 7497, 7506, 7588, 7735(p), 7754, 7828, 7992, 8038, 8I06, 8I8I, 8259, 8293, 8557, 87I3, 8737, 8738, 878I, 89II, 89I9, 8930, 905I, 9I04, 9I08, 9I49, 9356, 9360, 9379, 9457, 9490, 9502, 9648, 9666, 9670, 9688-9690, 9903, 9959, 997I, I0008, I0087, I0I04, I0I50, I0243, I0309, I0370, I04I4, I04I7, I0532, I0705, I0732, I0733, I082I, I0822, II077, II083, II094, III23, II224, II424,

II57I, II583, II688, II693, II739, II88I, II933, I22I7, I2236, I2247, I23I8, I2320, I2329, I2346, I2449, I2485, I2536, I2945, I30I0, I3I63, I3I7I, I3206, I3272, I3283, I3287, I3294, I3365, I35I9, I3530, I3583, I3593, I363I(p), I3706, I3736

abbreviatum Ag.? Kütz. 8038, II442, II694, II866, I3354, I3526, I3668

acuminatum Ehr. 7054, 7I42, 7222, 7489, 7700, 783I, 7973, 800I, 8038, 8I44, 830I, 8422, 8694, 8738, 878I, 8859, 89I2, 89I3, 90I8(o), 9057, 9292, 9298, 9360, 9476, 9568, 9694, 9748(o,p), 9749(o), 975I, 980I, 98I9, I0046, I0047, I0080, I0099, I0I29, I024I, I0548, I0644, I0646, I0956, III90(o), II222, II223, II695, II866, II88I, II930, I2I54, I2320, I2405, I2579, I2637, I2933, I30I3, I3027, I3I68, I3246, I3249, I3354, I3373, I3482, I3499, I35I7(o), I3583, I363I(p), I364I, I3642, I3668, I3679

- var. acuminatum 8700(p), 9444, 9445, 972I, I02I8, I0939, III94(o), I27I0, I327I, I3283
- f. acuminatum I0220, II694
- var. brebissonii (Kütz.) Cl. 7054, 7I39, 7I42, 7489, 7973, 800I, 8038, 830I, 8700, 8737, 8738, 878I, 9057, 9292, 9748(o), 9749(o), 975I, 980I, 9932, I024I, I0939, III90(o), II3II, II529, II694, II866, I2320, I3009, I30I0, I3I63, I3I68, I320I, I327I, I3354, I35I7(o), I3668
- var. coronatum (Ehr.) W.Sm. 7054, 7I39, 7I42, 7I84, 7973, 7975, 800I, 8038, 830I, 8700(p), 878I, 9057, 9059, 9297, 9444, 9694, 9749(o), 975I, 980I, 9932, 9938, I0047, I0080, I02I8, I024I, I0242, I0246, I0646, I0939, I0956, III90(o,p), III94(o), II45I, II529, II866, I2320, I2405, I2933, I2945, I3I63, I3I68, I3249, I327I, I3283, I3354, I3482, I3668, I3747, I3758(o), I3759(o)
- f. coronatum (Kütz.) W.Sm. I0220, II694
- var. elongatum W.Sm. I3I68
- var. granatum II930
- f. pusillum Grun. I3758(o,p)
- var. trigonocephalum (Ehr.) Grun. 7973, 8038, 8422, 9444, 980I, 9959, I02I8, I0646, II866, I2649(o), I27I0, I30I3, I3I68, I3668
- f. trigonocephalum (Ehr.) Cl. I0220, II694
- var. turris (Ehr.) Cl. 8038, 8422, II222

angustatum (Kütz.) Rabenh. 7I84, 8038, 8422, 878I, 89I3, 89I4, 89I7, 8922, 9057, 9059, 9292, 9357, 9360, 9568, 980I, 9932, I0202, I0244, I0956, III90(o), II529, II578, II579, II866, II930, I2320, I27I0, I2933, I2934, I2936, I3246, I3354, I3365, I35I7(o), I35I9, I3524, I3562, I3646, I3668, I3759(o,p)

- var. angustatum 8423, 9444, I02I8, I0220, I0247, III94(o), II694, I2939, I3283
- var. lineare Hust. I320I, I3373
- var. productum Grun. 7I50, 7973, 8038, 8423, 878I, 89I6, 90I8(o), 9057, 9059, 9379, 9444, 972I, 9749(o), 980I, I02I8, I0220, I0248, I0905, I0956, III90(o), II694, II866, I2320, I2933, I2934, I2936, I2939, I2944, I2950, I3I68, I3246, I3269, I327I, I3283, I3353, I3354, I3499, I35I7(o), I3668
- var. sarcophagus (Greg.) Grun. 8038, 8422

- var. undulatum Grun. 8038, 869I, 8700, 9447(o), 9749(o), II45I

apicatum Ehr. II694, I2347, I3668

aponina Kutz. 9505

augur Ehr. 7054, 7I84, 7I88, 7973, 800I, 8038, 8422, 9057, 9257, 9447(o), 980I, I0099, I02I8, I0220, I024I, I0242, I0646, II223, II694, II866, I2I22, I2320, I3I68, I3246, I3269, I3352, I3373, I35I7(o), I3668

- var. augur 8700, III94(o), I3283
- var. gautieri V.H. 800I, II866, I2320, I3I68, I3283

baikalense Skv. I320I

bergii Skv. II688(p)

- var. stauroneiforme Jasnitsky II930

bohemicum Reich. et Fricke 7I50, 8976, 9379, 9444, 9445, I0939, I0956, III28, III90(o,p), III94(o,p), I3063, I3065, I3283, I3499, I35I7(o), I3524

brasiliense Brun 753I, III29, I3I67, I320I

clevei Fricke 7054, 7733, 7735, 9379, I2320(o), I3I69, I35I9, I3525

- var. clevei I3283

constrictum Ehr. 7054, 7222, 7507, 7530, 7973, 800I, 8038, 8266, 830I, 878I, 89I2, 8922, 90I8(o), 9053, 9057, 9242, 9292, 9297, 9298, 9580, 9694, 9749(o), 975I, 980I, 98I9, 9932, I0047, I0080, I0II3, I024I, I0242, I0246, I0646, I0956, III90(o,p), II222, II223, II529, II695, II866, I2050, I2320, I2346, I2347, I2393, I2405, I2478, I2482, I2945, I30I2, I30I3, I3I68, I32I8, I3246, I3249, I3269, I3354, I3373, I3482, I3506, I35I4, I35I7(o), I35I9, I3520, I3524, I3583, I363I(p), I3642, I3668, I3747, I3758(o)

- var. capitatum (Ehr.) Cl. 7054, 7I39, 7I87, 7973, 800I, 8034, 8038, 830I, 8694, 8700, 89I2, 89I3, 9057, 9242, 9292, 9444, 9694, 980I, I0047, I0080, I02I8, I0220, I024I, I0242, I0646, I0956, I0975, III28, III90(o), III94(o), II866, I2320, I2405, I27I0, I30I2, I3027, I320I, I3246, I3249, I3269, I3283, I3482, I3499, I35I7(o), I35I9, I3524, I3525, I3758(o)
- - f. curtum Ehr. 8038, 9444, II866, I3I68, I3246
- f. capitatum (Ehr.) Cl. II694
- var. constrictum 8423, 8700(p), 9444, I02I8, I0220, III28, III94(o), II455
- f. constrictum 7806, II694
- var. hedinii (Hust.) Zabelina 9694, 9749(o)

costulatum Jasnitsky I3I69, I320I

delicatulum Skv. I320I, I3756(o,p)

- var. bipunctatum Skv. I3756(o,p)

exiguum Kütz. II579, I289I

- var. arcticum Grun. I2892
- var. pachycladum (Bréb.) Cl. I2892

firmum Skv. 8247, I3756(o,p)

geminatum Ag. 8473, I2758

gracile Ehr. 7507, 7973, 800I, 8038, 8422, 878I, 89I7, 9057, 9442(o), 9694, 980I, I0I48, I0202, I02I8, I0220, I0245, I0248, I0683, I0975, III90(o,p), II578, II695, II866, I2405, I3246, I3354, I35I9, I3525, I3668

- var. auritum (A.Br.) Cl. 800I, 9057, II694, I3I68, I3354, I35I7(o), I3668
- var. gracile 9444, II694, I3294

- var. lanceolatum Kütz. 7973, 8422, 878I, 9444, 9694, 9749(o), III90(o), III94(o), II694, I2936, I3246, I3283, I35I7(o), I3638
- var. naviculaceum (W.Sm.) Grun. 9057, 9444, 980I, I0248, III90(o), II694, I3354, I3668

heidenii var. baicalense Skv. I320I

helveticum Brun 9447(o), 9748(o), 9749(o), II694, I3668

innatum Skv. I3756(o,p)
- var. elegans Skv. I320I, I3756(o,p)

intricatum Kütz. 7054, 7I85, 800I, 8038, 8473, 878I, 9057, 9298, 9379, 9568, 9643, 9694, I024I, I0548, I0905, I0956, III90(o), II529, II695, II866, I2320, I3I68, I3354, I3522, I363I, I3668, I3759(o,p)
- var. dichotomum (Kütz.) Grun. 7973, 8738, 878I, 9057, 9444, I02I8, I0220, I0546, I0548, I0646, I0956, III94(o), II694, I2320, I3354, I3668
- var. fossile Pant. I0900-I0903
- f. fossile Pant. I04I2, I04I4
- var. intricatum 8423, 9444, I02I8, I0220, III94(o), II694, I2650, I3283
- var. minus Skv. 9749(o), I02I8, I0220, II530, II694, I3756(o,p)
- var. pumilum Grun. 7054, 7I42, 7973, 8038, 8686, 8700, 8738, 878I, 9057, 9444, 9749(o), I02I8, I0220, I0248, I0384, I0548, I0956, I0975, III90(o,p), III94(o), II45I, II694, II866, I2320, I3I68, I320I, I3354, I35I7(o), I35I9, I3522, I3524, I3525, I3583, I3668, I3756(o,p), I3759(o,p)
- var. pusillum A.Mayer I02I8
- var. vibrio (Ehr.) Cl. 7973, 878I, III94(o), I3I68

irtyschicum Tschist. 8038, I0247, I0248

kamtschaticum Grun. II442
- var. groenlandicum Östr. I289I, I2892
- var. japonicum Skv. II085

lanceolatum Ehr. 7054, 7I30, 7I3I, 7I35, 7I42, 7296, 7973, 8038, 89I4, 9444, 980I, I0080, I024I, I0548, I0646, I0955, I0956, III90(o), II578, II930-II932, I2320, I2936, I320I, I3246, I3269, I3352, I35I7(o), I3524, I3583, I3756(o,p)
- var. capitatum Skv. I0548, I3I58, I320I, I3756(o,p)
- var. insigne (Greg.) Cl. 8038, I0I5I, I0902, III90(o), II578, II579, I3246, I3758(o)
- var. lanceolatum 8423, I2649(o), I327I, I3283
- var. maximum Poretzky I3I69, I3I70

lingulatum Hust. 8895, 8896, 8988, I0900-I0904, I2035, I2037, I3I67, I3I70, I3365

longiceps Ehr. 7973, 8422, 8976, 9749(o), 975I, 980I, I0646, I0956, III90(o), II529, II866, I3246, I3668
- f. gracile Hust. 9694, III90(o), III94(o)
- var. longiceps 9444, II694
- var. montanum (Schum.) Cl. 7973, 9449, 9694, 972I, I02I8, I0220, I0646, II530, II694
- - f. minutum Skv. I3757(o,p)
- - f. suecicum Grun. 8422, 9379
- var. subclavatum Grun. 7I50, 800I, 8976, 898I, 9057, 9443(o), 9444, 9446, 975I, 980I, 98I9, I024I, I0245, I0646, I0975, III94(o), II223, II866, I2I22, I320I, I3246, I3354, I35I7(o), I35I9, I3668

- - f. gracile Hust. 9379, 9447(o), I02I8, I0220, I0902, I0956, II694, I3283, I3524, I3668
- - f. subclavatum I02I8, I0220, II694
- f. suecicum Grun. 7973

miocenicum Moiss. I0900-I0903

montanum Schum. 7054
- var. montanum 8700(p), I22I7
- var. suecicum Grun. 7054, 8700, I22I7

olivaceum (Lyngb.) Kütz. 7054, 7I32, 7I85, 7I86, 7507, 7973, 7984, 800I, 8038, 8254, 830I, 8309, 8737, 8859, 89I3, 89I4, 8922, 8942, 898I, 90I8(o), 9078, 9220, 9292, 9362, 9379, 9749(o), 980I, I0046, I0047, I0077, I0080, I024I, I0242, I0244-I0246, I0248, I0548, I0646, I0905, I0956, I0975, III90(o,p), III98, II529, II579, II625, II930, II965, I2049, I205I, I2095, I2I22, I2320, I234I, I24I4, I2420, I2579, I2645, I27I0, I30I2, I3246, I3249, I3267, I3269, I3373, I3482, I3499, I35I7(o), I3528, I3529, I3562, I3583, I3668, I3756(o,p)
- var. calcareum Cl. 7054, 7I42, 7973, 800I, 8700, 9292, 9444, 9749, 980I, I0248, I0546, I0548, I0646, I0956, III84, III86, III94(o), II45I, II694, I2522, I27I0, I2939, I320I, I3269, I3283, I3354, I35I7(o), I3524, I3668
- var. issykkulense Mamb. I0546, I0548, I0549
- var. minutissimum Hust. 9060, 9220, 980I, I02I8, I0220, I0956, II45I, II578, II579, II694, I2095
- var. olivaceum 8685-8687, 869I, 8700(p), 9444, 9456, 9457, 9463, I02I8, I0220, I0247, I0902, III84, III94(o), II45I, II455, II694, I22I7, I2420, I2650, I2939, I327I, I3274, I3283

parvulum (Kütz.) Grun. 7054, 7I8I-7I88, 7507, 7973, 800I, 8038, 8248, 8450, 878I, 8800, 880I, 89I2-89I4, 89I6, 89I7, 89I9, 8922, 9057, 9078, 9292, 9379, 9386, 9445, 9568, 9694, 980I, 9932, 9938, I0046, I0I47, I0I50, I0I52, I0202, I0242, I0244, I0246, I0248, I0646, I0956, I0973, I0975, III90(o), II222, II229, II529, II578, II579, II695, II866, I2049-I205I, I2320, I2347, I2383, I2405, I27I0, I2934, I2936, I2945, I2950, I30I2, I3027, I3I68, I3246, I3249, I3269, I3354, I3373, I3482, I3505, I3506, I35I4, I35I7(o), I35I9, I3520, I3522, I3524, I3528, I363I, I3668, I3758(o)
- var. exile Grun. II694, I2320
- var. exilissimum Grun. III90(o), II694, I3354, I3668, I3759(o,p)
- var. lagenula (Kütz.) Freng. 8038, 9444, I0I5I, I0I53, I0245, III90(o,p), III94(o), II694, I2320, I2522, I3283, I35II, I35I7
- var. micropus (Kütz.) Cl. 7054, 7973, 8038, 8422, 8423, 8686, 89I3, 89I4, 89I7, 8922, 90I8(o), 9447(o), 9649, 9694, 980I, I02I8, I0220, I024I, I0248, I0646, I0902, I0956, III90(o), II578, II579, II694, I2320, I2934, I2939, I2950, I3246, I3354, I3499, I35I7(o), I35I9, I3524, I3668
- var. parvulum 8700(p), 9444, I02I8, I0220, I0245, I0247, I0902, III28, III84, II45I, II694, I2939, I3283
- var. subellipticum Cl. 9292, 9447(o), 980I, I02I8, I0220, I0646, II578, II694, I3246, I3668

praelanceolatum Tscher. I3I67, I3I70
pseudexiguum Simonsen II085
quadripunctatum (Östr.) Wisl. 7054, 7489, 7973, 8038, 8422, 869I, 8896, 9263, 9449, 9674, I02I8, I0220, I2320, I3I69, I3I70, I320I, I3526, I3756(o,p)
- var. hastatum Wisl. I3756(o,p)
- var. quadripunctatum 8700, II45I
salinarum Pant. I0548, III94(o), I2095, I3269, I35I7(o)
sibiricum Skv. I320I
skvortzowii Nik. II084(o,p), II085
sphaerophorum Ehr. 9057, I2320(o), I3I68
subclavatum Grun. I024I, I3373
subparvulum Ermol. 8038, I0247, I0248
subsalinum Wisl. et Poretzky 9749(o), I0956, III90(o,p), I2095, I3499, I35I7(o)
subtile Ehr. 7973, 9057, I0202, II694, I2405, I3354, I3668
- var. sagitta (Schum.) Cl. 9447(o), III90(o), I3354
- var. subtile 9447(o), I0902
tergestinum (Grun.) Fricke 8423, 90I8(o), 9443(o), 9444, 9463, 9749(o), I0245, III84, III90(o), I3269, I327I, I3283
transilvanicum Pant. I0646, II930
valentinicum Nik. II084(o,p)
vaucheriae Kütz. I0244
ventricosum Greg. 7054, 7I30, 7I35, 7I42, 7700, 7973, 8685-8687, 8690, 869I, 878I, 90I8(o), 9057, 9059, 9I99, I024I, I0245, I0248, I0956, II45I, II529, I2320, I320I, I3756(o,p)
- var. ventricosum 8700(p)
- f. ventricosum I3294
Gomphonitzschia Grun.
sp. sp. II083
Gomphopleura Reich. ex Temp.
poretzkajae Moiss. I0900, I090I*-I0904
Gomphosphaeria Kütz.
sp. sp. 89I9, 8927, 9I49, 9752, 9883, 9959, I0475, I0538, I0539, III84, II542, II583, II663(p), I2048, I209I, I2346, I2485, I2630, I3293, I3576
aponina Kütz. 72I8, 7246, 800I, 8035, 8038, 8I06, 83I0, 8473, 8904, 8905, 8907, 9053, 9I34, 9242, 9298, 9649, 9694, 9748(o,p), 9768, 980I, 9932, 9938, I0026, I0074, I0077, I0079, I0080, I0082, I0085, I0086, I0II3, I02I8, I0277, I0280, I0546, I0548, I0549, I0646, I0878, I0906, I0975, II039, III28, II537, II546, I2050, I2052, I2327, I248I(o), I27I0, I3059, I306I, I32II, I3398, I3504, I35I7(o), I35I8*, I3522, I364I, I3642
- f. aponina 8908, 8909, 9I33, I0220, III84, II442
- var. cordiformis (Wolle) Elenk. 9242
- f. cordiformis (Wolle) Elenk. 8890, 9882, I0026, I0220, III28, I3522
- var. delicatula (Vir.) Elenk. I3526
- f. delicatula (Vir.) Elenk. 8035, 8038, 8300, 8700, 9289, I0220, I0955, II452
- var. limnetica (Vir.) Elenk. I35I8
- f. limnetica (Vir.) Elenk. I0026, I0548
- var. multiplex Nyg. II8I8(o,p)

- f. multiplex (Nyg.) Elenk. 8725, I0026, I0029, II442, I353I, I3590, I3642
compacta Ström I3I48
lacustris Chod. 72I5, 72I7, 72I8, 7246, 7247, 7249, 7250, 7252, 7354, 738I, 7507, 7626, 7757, 7806, 7877, 796I, 7984, 7992, 7993, 800I, 8038, 8I06, 8I44, 830I, 83I0, 832I, 8405, 8473, 8553-8556, 8559, 8560, 8603, 8604, 8670, 8700, 87I5, 87I8, 8725, 8776, 8859, 8890, 8906, 89I5, 8920, 8940, 9047, 9085*, 9242, 9289, 9292, 9340, 9433-9437, 9439, 944I, 9448, 9498(o), 9499, 950I, 9505*, 9568, 9580, 9624, 9643, 9647-9649, 965I, 9652, 9664, 9666, 9667, 9687, 9694, 9748(o), 9768, 980I, 9882, 9932, 9944, 9959, I0006, I0007, I0024, I0026, I003I, I0042, I0046, I0077, I0080, I0082, I0086, I0II3, I0II4, I0I30, I0I33, I0242, I0244-I0246, I0276, I0279, I0280, I0365, I0366, I0463, I0548, I0646, I0690, I082I, I0822, I0869-I087I, I0875, I0906, I095I, II039, II087, II088, II093, III28, III90(o), II45I, II488, II537, II730, II739, II747, II790, II865, II866, II88I, II935, II965-II967, I2020, I2049, I2052, I2090, I2092, I2093, I2I2I, I2I22, I2I24, I2I75, I2320, I2323, I2327, I2346, I24I5, I2477, I2478, I248I(o), I2482, I2577, I2580, I258I, I276I, I2762, I2894, I2897, I2935, I2938, I3009, I30I0, I30I2-I30I4, I3027, I3057, I3059, I306I, I3I27, I3I98, I3I99, I3202, I3249, I327I, I3272, I3279, I328I, I3287, I3352, I3398, I3488, I3499, I35II, I35I4, I35I7(o), I35I8, I3520, I3522, I353I, I358I, I3589, I3594-I3595, I363I, I364I, I3642, I3689, I3699, I3746
- var. compacta (Lemm.) Elenk. I2578, I2579
- f. compacta (Lemm.) Elenk. 7467, 7805, 8038, 8700, 8725, 8904-89I0, 9I33, 9289, 9298, 9500, 9568, I0008, I0026, I0046, I0I33, I02I8, I0220, I0280, I0822, III84, III90(o), II734, II866, I24I9, I27I0, I3499, I35I7, I3526, I3583, I3642, I3704
- var. lacustris 7348, 9298, I2579
- f. lacustris 7802, 8776, 8904-89I0, 9I33, 9I35, 9500, I0008, I0I33, I02I8, I0220, I0283, III84, I27I0, I3294
litoralis Hüyren I27I0, I3645
naegeliana Lemm. 8750
radians I3530
Gonamophyton Vologd. et Drosdova
sp. sp. 9828
ovale Vologd. et Drosdova 8I27(o,p)
Gonatozygon De Bary
sp. sp. 8308, 9882, 9883
brebissonii De Bary I0I60
kinahanii (Arch.) Rabenh. I2I75
monotaenium De Bary 7507, 7806, 7993, 8038, 830I, 902I, 9024, 9568, 9662, 975I, I0I33, I0I34(o), I0I60, I0220, I0644, III83, III90(o), I2479(o), I2680, I3009, I30I0, I35I7(o)
- var. pilosellum Nordst. I0I34(o), I0309, III90(o)
pilosum Wolle I0309
Gongrosira Kütz.
sp. sp. I0646
circinata Schmidle I0956
debaryana Rabenh. 8825, I28I0

- f. edaphica Melnik. I07I5
terricola Brist. 7376, 7377, 8825, IIII7, I3439, I3453
trentepohliopsis Schmidle I2I95
Goniochloris Geitl.
sp. sp. I0008, I3274
cochleata Pasch. I02I8
fallax Fott 7467, 9340, I0220, I3274
laevis Pasch. I02I8, I0220
mutica (A.Br.) Fott 9I34, I0046, I3246
smithii (Bourr.) Fott I0008, I0046, I3246
spinosa Pasch. I327I, I3273, I3274, I328I
Goniodoma Stein
ostenfeldii Pauls. 9220
polyedricum (Pouch.) Jörg. 7063, 9220, II537, I2I53
Goniolinites Masl.
hemisphaericus Masl. I0335(o,p)
Goniolithus Defl.
sp. sp. I0430
Goniothecium Ehr.
sp. sp. 994I, I2534
odontella Ehr. 7287, 898I, 9952(p), I2039, I2529, I2534, I3707
- var. danicum Grun. 9952, II334
- var. odontella II334
tenue Brun 9000, 987[illegible], 9874, I04I4, I3353(p), I3358, I3362
Goniotrichum Kütz.
alsidii (Zanard.) Howe 8054
elegans (Chauv.) Zanard. 8899, I0929, I2664
Gonium O.F.Müll.
sp. sp. 9I04, I0I04, I0252, IIIII, I2344, I3404, I37I5, I3730
pectorale O.F.Müll. 7376, 7469, 7589, 7992, 800I, 8038, 8266, 8473, 8570, 87I0, 8904, 8924, 9200, 92I5, 9220, 9257, 9289, 9292, 9448, 9499, 9748(o), 980I, I0046, I0077, I0080, I0II3, I0I85, I0I86, I0644, I0646, I0798, I0866, I0955, III90(o), II537, II673, II697, II790, II866, I2I75, I2248, I2324, I2327, I2478, I2482, I2483, I2645, I2650, I27I0, I2906, I2935, I2939, I3008, I30I4, I3246, I327I, I3373, I3594-I3595, I364I, I3699
sociale (Duj.) Warm. 7799, 8266, 87I0, 9674, 980I, I0080, I0280, I0646, II866, I2324, I2327, I3246, I3736
Gonyaulax Dies.
sp. sp. 706I, 7063, 7952, 8530, 8539, 8760, 9I40, 9I42, 922I, 9598, II463(p), II997, I2080, I2I52, I2I53, I2223, I2669
apiculata (Pénard) Entz 87I9
birostris Stein I2223, I2597
catenata (Lev.) Kof. 9I24, 9568, 9747, I0079, I0080, II087-II089, II093, I2004, I27I0, I2892, I2956, I3645
cochlea Meunier 9220, I2004
diacantha (Meunier) Schill. 92I5, 9220, 9223
diegensis Kof. 706I, 9220, I0888, I2004, I2I53
digitale (Pouch.) Kof. 7063, 7350-7354, 7956, 92I5, 9220, 96I9, I0673, I0890-I0892, II537, I2004, I2I53, I2892
fragilis (Schütt) Kof. 9220, I2597
gliptorhynchus Mur. et Whitt. I2I53, I2223, I2597
gracilis Schill. 7956, 8752, I2I52

jurassica Defl. 8048-8049(o,p)
kofoidii Pav. I2597
levanderi Pauls. 9I24
longispina Lebour I2597
matkovichii Schill. 7956
minima Matz. 7956, 8763, 9I42, 9220, I0673, II537, I2079, I2I53, I2597, I2599
orientalis Lind. 75I7, 9220, 9793
polyedra Stein 7I44, 7348-735I, 7353-7355, 7509, 7598, 8763, 9I24, 9I42, 92I4, 9220, I00I4, I0276, I0280, I0378, I0469, I0473, I0475, I0479(o), II537, II62I, II622, I2I53, I2223, I2228, I2444, I2597, I2892
polygramma Stein 92I0, 92II, 9220, 9223, I0673, II537, I2004, I2I53, I2223, I2597
rostrata Dang. I2444
rouchii Rampi I2597
scrippsae Kof. 7956, 92I4, 9220, II537, I2I52, I2597
spinifera (Clap. et Lachm.) Dies. 7348-735I, 7353-7355, 75I7, 7954, 7956, 82II, 87I9, 8763, 9I32, 92I4, 9220, 9230, 96I9, 9793, I0280, I0469, I0473, I0475, I0886-I0888, II537, II545, II993, II994, II997, I2004, I2I53, I2223, I2597, I2892, I3249
tamarensis Lebour II993, II994, I2004
tenuiceras Eis. II463
triacantha Jörg. 82II, 9I24, 9220, II537, I2004, I27I0, I2892
turbynei Mur. et Whitt. 706I
variabilis Herdm. I2597
Gonyostomum Dies.
semen Dies. 9749(o)
Gordonophyton Korde
axillarum Korde 9833
demboi Korde 9833
distinctum Korde 9833
durum Korde 9833
grande Gordon 9833
induratum Korde 9833
inexpectatum Korde 9833
pulchrum Korde 9833
simplex Korde 9833
Gorlovella Vologd.
obvoluta Vologd. 8I26(o,p)
Gossleriella Schütt
tropica Schutt 7534(o), 7536, 9I37, 9I38, 9I4I, I2I53, I2223, I2594, I2597, I2598, I2669
Gracilaria Grev.
sp. sp. 9I24, 9407, 9530, 9869, I0409, I3II3, I3633
confervoides (L.) Grev. 8058, I3720
multipartita (Clem.) Harv. 8054
verrucosa (Huds.) Papenf. 7636, 8054, 8592, II090, II384, I2664, I3029
Gracilariopsis Daws.
capillaris Tokida I2609
sjoestedtii (Kylin) Daws. 7786(o,p), 8054, 8055(o)
Grambastichara H. af R.
discordis Gluchovskaja 8374(o,p)
kusakiana Gluchovskaja 8374(o,p)

nitida Gluchovskaja 8374(o,p)
restricta Gluchovskaja 8374(o,p)
satpaevii V.Nikolsk. II097(o,p)
stellata V.Nikolsk. II098
subcylindrica (Reid. et Groves) H. af R. 7789, II097, II098
tornata (Reid. et Groves) H. af R. 7789
voltzii Ung. et A.Br. 7789

Grammatophora Ehr.
sp. sp. 7096, 7287, 7597, 7684, 7685, 7869, 7973, 8254, 8370, 8529, 8738, 95I2, 9572, I0I02, I04I7, I0757, II034, II3II, II994, I2223, I2597, I3I60, I3I6I, I3I64, I3I65, I3I7I, I3495, I3706, I3724
angulosa Ehr. 7530, 753I, 8738, 898I, 9029, 9220, II085, II9I0, I3353
- var. islandica (Ehr.) Grun. 749I, 7497, 7597, 7829, 8737, 8738, 8780, 9029, 972I, 98I9, I00I7(o), I0384(p), I0388, I09I, III68, I3I60, I3I62, I3353, I3706
arctica Cl. 753I, 8254, 8738, 8739, 8780, 898I, 9029, 972I, 9747, I037I, I0384, I0388, I2956, I3206, I3353
arcuata Ehr. 7I30, 7I32, 7I37, 749I, 7494, 753I, 7973, 8737-8739, 8780, 878I, 898I, 9029, 972I, I020I, I0384(p), I0388, I039I, III68, II3II, II442, II9I0, I2004, I3I60, I3I62, I3I63, I3206, I3495, I3645, I3706
balfouriana W.Sm. I0472
gibberula Kütz. 898I
hamulifera Kütz. I0939, II578, II696(o), I2I50
marina (Lyngb.) Kütz. 749I, 7530, 753I, 7954, 8034, 8253, 8254, 8527, 8530, 853I, 8738, 898I, 9029, 92I4, 9220, 9367, 957I, 9972, I0I35-I0I37, I0I42, I0I44, I0I45, I0209, I02I4, I0276, I0280, I0803, I0808, I08I4, I08I6, I08I7, II085, III76, III89, II537, II546, II57I, II572, II579, I2I30, I2I40, I27I0, I3052, I3249, I3352, I3640, I3645, I3706, I3724
- var. adriatica Grun. 7353, 7354, 9456-9459
- var. marina 7348-735I, 7353, 7354, 9456-9459, I0226, II083
- var. nana (Greg.) V.H. 8738
maxima Grun. 898I
oceanica (Ehr.) Grun. 7I64, 7530, 7597, 7975, 8I82, 8527, 853I, 8737-8739, 8780-8782, 896I, 898I, 9029, 9I4I, 9220, 9357, 9458, I0I98, I0379, I0380, I0384(p), I0388, I0772, III68, II408, II4I7, II537, I2899, I3206, I3249, I3353, I3354, I3495, I3645, I3706
- var. intermedia Grun. 8738
- f. intermedia Grun. I0468
- var. macilenta (W.Sm.) Grun. 8738, 896I, 9457-9459, I0I98, I0772, II085, I3206, I3353, I3363, I3645, I3706
- - f. nodulosa (Grun.) Hust. 8738
- - f. subtilissima (Bail.) Hust. 749I, I0468
- var. oceanica 7349, 9456, 9457(p), 9459, 9463, I0I02, I0226, II083, II085
robusta Ehr. 93I2, 972I
serpentina (Ralfs) Ehr. 898I, 9029, 9220, 9972, I286I
- var. serpentina I0226
spinosa Pr.-Lavr. 97I9, 9720

Granorhabdus Schumenko
polygonalis Schumenko I3466, I3470(o,p)

Grateloupia Ag.
sp. sp. 859I, I0I40, I0I45, I0409, I2664
dichotoma J.Ag. 7I62, 8054, 8065(o), 8884, 9I62(o)
divaricata Okam. 7636, 805I, 8054, II384, I3633
pinnata (Post. et Rupr.) Setch. 9I58
prolongata J.Ag. 805I, 8054
ramosissima Okam. 8054, I2664
turuturu Yamada 7636, 8054, 8592, I3633

Grenularia Vologd.
borissovii Vologd. 8I26(o,p)

Griffithsia Ag.
sp. sp. 8I55

Grovesichara H. af R.
distorta (Reid et Groves) H. af R. II097, II098

Grunowiella V.H.
sp. sp. 7699
gemmata (Grun.) V.H. 7287, 7489, 7492, 7497, 7502, 7824, 7826, 8355, 8364(p), 8365, 845I, 8972, 9352, 9952(p), I0683, I0939, II3II, II334, I2039, I2I50, I3I62, I3I7I, I32I6, I3369, I3707
palaeocaenica Jousé 7824, 9952(p), II334

Guinardia H.Perag.
sp. sp. 706I, 8760, II277, I2079, I2080
flaccida (Castr.) H.Perag. 706I, 7063, 8763, 9I4I, 922I, I0888, I0892, I20I9, I2I53, I2223, I2597

Guttoporella Gnilovskaja
sp. sp. 8376

Gymnaster Schütt
pentasterias (Ehr.) Schütt I2I52

Gymnastica Schill.
elegans Schill. 8763

Gymnocodium Pia
sp. sp. 9823
bellerophontis Rothpl. 9827, 9828, 983I
gracile (Pia) Korde 9826(o,p), 9827, 983I
multiperforatum Tchuv. I3236
nodosum Ogilvie-Gordon 9827, 9828, 983I
novum Korde 9826(o,p), 9827, 9828, 983I

Gymnodinium Stein
sp. sp. 706I, 7063, 7242, 7462, 75I2, 7953, 8I96, 8760, 8762, 8763, 89I6, 9054, 9056, 92I4, 922I, 967I, 9675, 9678, 9679, 9687, 9787, 980I, I0008, I02I0, I02I2, I0475, I0673, I0742, I08I4, I08I6, I08I8, I0840, I0888, III58, II40I, II463, II680, II739, II779, II866, II88I, II933, II994, I2078, I2079, I2I53, I2227, I2324, I2344, I2447, I2482, I2597, I2935, I3009, I30I0, I30I3, I3202, I3245, I3246, I3249, I3274, I3750
aeruginosum Stein 87I9, 980I, I2776, I2784
agile Kof. et Sw. 8763, 9220, II537
agiliforme Schill. 7956, 8763, 9220, 96I9, II537
alatum Litw. I0360(o,p)
albulum Lind. 87I9, 8720, 9882
arcticum Wulff 7952, 7954, 7955, 7958, I0886, I0888, I2892

baicalense Antip. 7243, 7246, 8201, 8202, 9670(o,p), 11094, 11673
- var. baicalense 7246
- var. minus Antip. 7243, 7246, 9670(p), 11687
biconicum Schill. 8763
breve Davis 9142
caput Schill. 8763
cinctum Kof. et Sw. 8763, 10841
coeruleum Antip. 7243, 7246, 9670(o,p)
corii Schill. 7956, 8763
cretaceum Defl. 8048-8049(o,p)
cucumis Schütt 7956
digitus Defl. 11463
dissimile Kof. et Sw. 8763
eurytopum Skuja 7103
fukushimoi 7438
fuscum (Ehr.) Stein 9686, 9687, 10080, 10865, 12049
fusus Schütt 7061, 7956, 8763, 9220, 9619
gelbum Kof. 8763, 10841
gibberum Schill. 7956
grammaticum (Pouch.) Kof. et Sw. 8763, 9220
herbaceum Kof. 7956, 8762
heterocostatum Defl. 10990, 11463
heterostriatum Kof. et Sw. 7956
hyalinum Lebour 7956
inversum Nyg. 8719, 9882
kovalevskii Pitz. 7084-7088, 7090, 7092-7094, 7742, 7744, 7746, 9962, 10210, 10814, 10816, 10818, 10819, 11538(o,p), 12019, 12237, 13005, 13042, 13049
lacustre 7969
lanskoi Rouch. 12010(o,p)
lohmannii (Lohm.) Lemm. 11994, 11997, 12004
longicornis Vozzhen. 11463
macronucleum Litw. 10359
marinum Sav.-Kent 8763, 9220
minus Lebour 8763, 9220
najadeum Schill. 7956, 8762, 8763, 9220, 9619, 9787
nanum Schill. 7956, 8763
neapolitanum Schill. 8763, 9220
neglectum (Schilling) Lind. 10286
oceanicum Suhan. 12597, 12599
ostenfeldii Schill. 8763
palustre Schilling 9801, 10220
paradoxum Schilling 9292, 10646
- var. paradoxum 12942(o)
paulsenii Schill. 7956, 8762, 8763
pseudopalustre (Wołosz.) Schill. 13271
pulchrum Schill. 7956, 8763
punctatum Pouch. 7956, 12152
pygmaeum Lebour 7956, 8763, 12152
rarum Litw. 10359(o,p)
rhomboides Schütt 9220, 9619, 10280, 12153
rotundatum Klebs 8762
scopulosum Kof. et Sw. 7956

semidivisum Schill. 8762, 8763, 9220, 10840
simplex (Lohm.) Kof. et Sw. 7956, 8763, 9619, 11537
sphaericum Calkins 7956
splendens Lebour 7958, 8001, 8763, 9214, 9220, 13248-13250
sulcatum Kof. et Sw. 9220
variabile Herdm. 7956, 8762, 8763, 9619, 9787, 9788, 9791, 10210, 10840, 10841, 12019, 12599
varians Mask. 7956, 10841
viridescens Kof. 7956
wulffii Schill. 7061, 7114, 7744, 7952, 7954-7956, 7958, 9112, 9114, 9214, 9220, 9619, 10205, 10206, 10212, 10814, 10819, 10877, 10886-10892, 10941, 12004, 12019, 12152, 12153, 13005, 13042, 13043

Gymnogongrus Martius
sp. sp. 10409, 10483, 12609
flabelliformis Harv. 7636, 10482, 10486(o,p), 13633
griffithsiae (Turn.) Martius 8054, 9162(o)
japonicus Sur. 10482, 10486(o,p)
- f. ahnfeltioides Makijeko 7636, 8592, 10482, 10486(o,p)
- f. japonicus 10486(o,p)

Gymnozyga Ehr. ex Kütz.
sp. sp. 12333
moniliformis Ehr. 8306, 8308, 9080, 9749(o,p), 9932, 10158, 10218, 12175

Gyrodinium Kof. et Sw.
sp. sp. 7061, 7512, 8211, 8760, 9787-9789, 9791, 10475, 11834, 12078, 12152, 12153
adriaticum Schill. 7517, 9220, 9619, 9785
behningii (Lind.) I.Kiss. 9223
britannia Kof. et Sw. 9220
capsulatum Kof. et Sw. 9220
dorsum Kof. et Sw. 9220
fissum (Lev.) Kof. et Sw. 7952, 7954, 7956, 9220
fusiforme Kof. et Sw. 7061, 7952, 7954, 7956, 8762, 8763, 9220, 9619, 9785, 10888-10892, 12004, 12153
lachryma (Meunier) Kof. et Sw. 7954, 7956, 8763, 9220, 10891, 12004
lingulifera Lebour 7952, 7954
nasutum (Wulff) Schill. 9215, 9220
opimum (Schütt) Lebour 7956
ovatum (Gour.) Kof. et Sw. 7956
ovoideum Kof. et Sw. 7956
ovum Schütt 7956, 8763
pascheri (Suchlandt) Schill. 12680
pellucidum (Wulff) Schill. 7952, 7954, 7956
pingue (Schütt) Kof. et Sw. 7063, 7952, 7954, 7956, 8762, 8763, 9220, 9619, 10206, 11537, 12004
prunus (Wulff) Lebour 7952, 7954
pusillum (Schilling) Kof. et Sw. 9787, 9788
spirale (Bergh) Kof. et Sw. 9220, 11537

Gyrodiscus Witt
vortex Witt 11334

Gyropaigne Skuja
sp. sp. 7307
intermedia Asaul 7319(o,p)

kosmos Skuja 7311, 7313, 7315(o,p), 7317, 7326, 13517
lefevrei Bourr. et Georg. 7326
spiralis (Matv.) Bourr. et Georg. 7315(o), 7317
ucrainica Asaul 7319(o,p)
Gyroporella Gümbel
sp. sp. 8681, 9824
grandis Korde 9828, 9831
tenuimarginata Endo 9827, 9828, 9831
vesiculifera Gümbel 9831
Gyrosigma Hass.
sp. sp. 7040, 7155, 7173, 7222, 7348, 7534, 7536, 8038, 8228, 8365, 8877, 9106, 9149, 9214, 9289, 9340, 9457, 9488-9489, 9510, 9749(o), 9903, 9944, 9959, 10306, 10705, 10772, 10798, 11077, 11078, 11083, 11670, 11671, 11688, 11881, 11933, 12272, 12324, 12344, 12346, 12384, 12416, 12577, 12861, 12927, 13008, 13272, 13274, 13294, 13353, 13354, 13488, 13499, 13583, 13706, 13724, 13750
acuminatum (Kütz.) Rabenh. 7054, 7130, 7132, 7188, 7222, 7296, 7297, 7507, 7620, 7621, 7973, 7983, 7988, 7989, 7992, 7993, 8001, 8034, 8038, 8254, 8559, 8691, 8694, 8718, 8737, 8738, 8781, 8859, 9057, 9242, 9289, 9292, 9298, 9443(o), 9444, 9445, 9476, 9492, 9502, 9504, 9568, 9649, 9694, 9801, 9819, 9882, 10046, 10077, 10080, 10082, 10107, 10152, 10241, 10546, 10548, 10549, 10646, 10798, 10905, 10939, 10956, 10975, 10997, 11190(o), 11537, 11579, 11866, 11930, 12095, 12122, 12124, 12320, 12347, 12350, 12359, 12381, 12579, 12710, 13008, 13012-13014, 13027, 13057, 13171, 13246, 13249, 13269, 13271, 13287, 13373, 13412, 13499, 13517(o), 13562, 13583, 13641, 13642, 13668, 13679, 13689, 13758(o,p)
- var. acuminatum 8423, 8686, 8700, 10008, 10218, 10220, 11184, 11194(o), 11455, 11694, 13274, 13283, 13294
- var. baikalensis Skv. 13756(o,p)
- var. brebissonii Grun. 7137, 10201
- var. curtum Grun. 8038, 9476, 9801, 10008, 10975, 13246, 13561, 13562
- var. gallicum Grun. 7130, 7132, 7137, 7988, 8001, 8034, 8423, 9057, 9694, 9819, 9932, 10150, 10152, 10153, 10201, 10241, 10548, 11866, 12095, 13168, 13246, 13517(o), 13562
- var. lacustre Meist. 9581, 9748(o), 9749(o), 10218, 10220, 10241, 10646, 11190(o), 11694, 11967, 13249
attenuatum (Kütz.) Rabenh. 7054, 7130-7132, 7139, 7142, 7222, 7489, 7492, 7497, 7507, 7530, 7973, 7975, 7989, 7992, 7995, 8001, 8038, 8254, 8690, 8700(p), 8738, 8781, 8782, 8971, 8972, 8976, 8981, 9000, 9057, 9242, 9289, 9292, 9356-9358, 9360, 9362, 9444, 9456, 9459, 9476, 9568, 9581, 9748(o), 9801, 10008, 10041, 10047, 10082, 10099, 10184, 10201, 10218, 10220, 10241, 10245, 10246, 10248, 10384, 10388, 10646, 10798, 10905, 10939, 10975, 11190(o), 11579, 11694, 11697, 11866, 11930, 11932, 11933, 12320, 12343, 12420, 12467, 13010, 13012, 13014, 13168, 13171, 13206, 13354, 13517(o), 13529, 13583, 13645-13647, 13668, 13689
- var. asiaticum Skv. 13758(o,p)
- var. attenuatum 8423, 9457
baikalense Skv. 9289, 13063, 13065, 13169, 13756(o,p)
balticum (Ehr.) Rabenh. 7975, 8034, 9029, 9214, 11571, 11579, 12710

- var. balticum 9457
distortum (W.Sm.) Cl. 7489, 7497, 7983, 7984, 7987, 7988, 8001, 8320, 9214, 9220, 9449, 9801, 10241, 11571, 11579, 13246, 13247, 13562
- var. distortum 11194(o,p)
- var. parkeri Harr. 7130, 7137, 7494, 7975, 7983, 7984, 8000, 8038, 9214, 9220, 10201, 11194(o), 13706
fasciola Ehr. 7987, 8320, 9214, 9242, 9568, 11537, 11571, 11579, 11967, 11994, 12004, 12710, 13178, 13273, 13294
- var. closterioides Grun. 8000
- var. fasciola 9457, 9460(o)
- var. prolongatum W.Sm. 7983, 7987, 7995, 8000, 11571, 11579, 13751
hippocampus (Ehr.) Hass. 9029
kuetzingii (Grun.) Cl. 7973, 7984, 7988, 7989, 7992, 7993, 8000, 8001, 8038, 8781, 9057, 9220, 9444, 9568, 9580, 9801, 9932, 10046, 10047, 10241, 10245-10247, 10548, 10822, 10959, 10975, 11128, 11688, 11694, 11866, 12416, 13008, 13012, 13014, 13120, 13245, 13373, 13517(o), 13529, 13645, 13668
macrum (W.Sm.) Cl. 7983, 7984, 7987, 8000, 8320, 8715, 9801, 11571, 11579, 13713
peisonis (Grun.) Hust. 7984, 8034, 9444, 9445, 9749(o), 9801, 13517(o), 13524
rectum Donk. 9220
scalproides (Rabenh.) Cl. 7215, 8001, 9297, 9443(o), 9444, 9445, 9749(o), 9801, 10153, 10241, 10245-10248, 10715, 10955, 10956, 10975, 11190(o), 11537, 11579, 11866, 12522, 13246, 13249, 13271, 13499, 13511, 13517(o), 13522, 13524, 13526
- var. eximium (Thw.) Cl. 8034, 11546
- var. scalproides 11184, 11194(o)
spenceri (W.Sm.) Cl. 7983, 7984, 7987, 7988, 8000, 8001, 8034, 8254, 8738, 9297, 9357, 9444, 9445, 9643, 9801, 10046, 10201, 10241, 10955, 11190(o), 11571, 11579, 11933, 11967, 12320, 12710, 13506, 13517(o), 13522, 13524, 13668
- var. nodiferum (Grun.) Cl. 7054, 7973, 8700(p), 9801, 9932, 10955, 11571, 11579, 11694, 13524, 13668, 13756(o,p)
- var. spenceri 9456, 9459, 9460(o), 11694, 13283
strigile (W.Sm.) Cl. 7489, 7497, 7983, 8000, 9242, 9801, 10047, 10102, 10241, 10548, 10646, 10683, 10798, 11537, 12761, 12762, 13246, 13247, 13249, 13517(o), 13524
tenuissimum (W.Sm.) Cl. 9220
wansbeckii (Donk.) Cl. 9444, 11579, 13517(o), 13524
Haematococcus Ag.
sp. sp. 8584, 13536
buetschlii Blochm. 8038
droebakensis Wollenw. 10769
pluvialis Flotow et Wille 7739, 8006, 8570, 8581, 9314, 9801, 10624, 13008, 13373
Halidrys Lyngb.
murmanica A.Zin. 8278
siliquosa (L.) Lyngb. 11346
Halimeda Lamour.
sp. sp. 9823, 10495
opuntia (L.) Lamour. 10141

Halopappus Lohm.
sp. sp. 8760
Halopteris Kütz.
scoparia (L.) Sauv. 8054, 9I24
Halosacciocolax S.Lund
kjellmannii S.Lund 9I75
Halosaccion Kütz.
sp. sp. 75I8, 8059, 8063, 9I24, II377
arcticum A.Zin. 9I75
firmum (Post. et Rupr.) Rupr. 8060, 8070
glandiforme Rupr. 76I2, 76I3, 8054, 8056, 8060, 8070, 8073, I2064, I2607, I3479, I3720
lepechinii (Post. et Rupr.) Rupr. 9406
microsporum Rupr. 8054, 8073
ramentaceum (L.) J.Ag. 7I6I, 7428-7430, 7449, 760I, 7606, 7608, 76II-76I5, 7942, 8054, 8060, 8064, 8070, 8073, 8279, 8550, 855I, 9026, 9I54, 9406, IOII0, II379, I2062, I2907, I3032, I3034, I3036, I3708
saccatum Kütz. I3633
Halosiphon Jaasund
tomentosus Jaasund II377(o)
Halosphaera Schmitz
sp. sp. I2596
viridis Schmitz 7950, 7954, 82II, 8488, 8763, 9I24, 9I4I, 9220, 922I, 95I0, I00I7, I0765, I0886, I0888, I089I, II537, II993, II997, II998, I200I, I2004, I2I53, I2223, I2594, I2597, I2669, I27I0, I2892, I3388, I36I9, I3628
Halothrix Reinke
ambigua Yamada 8054, I3633
lumbricalis (Kütz.) Reinke 7606, 8279, IOII0, II378
Halymenia Ag.
acuminata (Holm.) J.Ag. 8592
Hammatoidea Bachm.
sp. sp. I0028, I2800
murmanica Ju.Petr. II425(o,p)
normannii W. et G.S.West I35I4
Hantzschia Grun.
sp. sp. 7378, 7438, 783I, 8422, 9060, I0008, II083, I2223, I2653
amphioxys (Ehr.) Grun. 7054, 7I3I, 7I32, 7I38, 7I42, 7I64, 7I88, 7287, 7373, 7376, 7377, 7490, 7530, 753I, 7599, 762I, 7676-7678, 7749, 7750, 7752-7755, 7973, 800I, 8034, 8038, 8257, 8694, 8709, 878I, 8896, 89I3, 89I7, 8976, 898I, 90I0, 9024, 9057, 9059, 9087, 9220, 9379, 9442(o), 9568, 96I7, 96I8, 97I5, 980I, I0047, I0066, I0068, I0069, I0I98, I020I, I0202, I024I, I0245, I037I, I0382, I0384, I0532, I0646, I07I4, I07I5, I0905, I0939, I0956, I0963, I0965, I0967, I0968, I0970, I0973, I0975, IIII3, IIII7, III39, III90(o,p), II265, II3II, II479, II529, II530, II720, II866, II878, II908, II930, I2I22, I2I92, I2I94, I2320, I2405, I2449, I2574, I2579, I2584, I2638, I2776, I2784, I2809-I28II, I28I3, I2875-I2878, I2933, I2934, I2936, I2938, I2950, I30I2, I3I27, I3I63, I3I7I, I320I, I3246, I3269, I3353, I3354, I3435, I3439, I3453, I3502, I3522, I3529, I3562, I3583, I3666, I3668, I3706, I3758(o)
- var. amphioxys 8423, 869I, 9444, 9445, I02I8, I2I94, I2I95, I3274

- - f. amphioxys II694, I2939
- - f. capitata O.Müll. II694
- f. amphioxys I0220
- var. capitata O.Müll. 7054, 7973, 8700(p), 9242, I02I8, I024I, I07I5, I327I
- f. capitata O.Müll. 7I38, 7749, 800I, 8038, 8825, 8976, 9057, 9444, 958I, 9749(o), 980I, I0220, I0646, I0956, III90(o,p), I2I95, I3353, I3354, I3668, I3759(o)
- var. compacta Hust. 9749(o), I2I94, I2I95
- var. constricta Pant. 800I
- var. hyperborea Grun. I3526
- var. intermedia Grun. I3757(o,p)
- var. major Grun. 7I38, 7287, 800I, 9057, 97I5, 972I, I024I, I0646, III90(o), I2320, I2649(o), I3269
- var. subsalsa Wisl. et Poretzky 800I, III90(o), I3657
- var. vivax (Hantzsch) Grun. 8038, 8422, 9748(o), III90(o), II694, I327I, I3668, I3759(o)
crassa var. obtusa Wisl. et Poretzky I327I
elongata (Hantzsch) Grun. 9694, I024I, II866, I2933, I2950
virgata (Roper) Grun. I02I8, II530, II930, I3245, I3706
- var. capitellata Hust. 9449, II3II, I3758(o,p)
- var. virgata 9449, 9459, 9464(o), III94(o)
weyprechtii Grun. I289I
Hapalosiphon Näg. ex Born. et Flah.
sp. sp. I2474, I343I, I35I8
flexuosus Borzi I0548
fontinalis (Ag.) Born. 8646, 865I, 8652, 8656, 8657, 8970, 9768, I0026, II3I7, II866, I2049, I2I75(o,p), I2I84, I2I86, I2I87(p), I2I88, I3653
- f. baculiferus Elenk. I0309
- f. globosus Nordst. 8726, 8727, I2I87(o,p)
- var. intricatus (W. et G.S.West) Elenk. 8307
- f. intricatus (W. et G.S.West) Elenk. I0026
- f. tenuissimus (Grun.) Coll. et Setch. 9944, I30I0
welwitschii W. et G.S.West I2474
Haplospora Kjellm.
globosa Kjellm. 8054
Hapterophycus Setch. et Gardn.
canaliculatus Setch. et Gardn. I2607
Harrisichara Gramb.
bisulcata (Peck et Reker) H. af R. II097
Harveyella Schmitz et Reinke
mirabilis (Reinsch) Reinke 9406
Hecatonema Sauv.
terminale (Kütz.) Kylin 9406, I2664
Hedstroemia Rothpl.
sp. sp. 9823, 9833
Heleochloris Korsch.
conica Korsch. 9289, 9748(o,p), I0646, IIII7, I327I
pallida Korsch. 9446, I3270
Heleococcus Korsch.
mucicola Korsch. 9024
Helicosphaera Kampt.
carteri (Wall.) Kampt. I292I, I2922
seminulum Braml. et Sull. subsp. seminulum 8I49

Heliodinium Alb.
voigtii Alb. 8048-8049(o,p)
Heliodiscoaster Tan Sin Hok
acyclicus Schamr. I3298(p), I3300(p)
barbadiensis Tan Sin Hok II257(o,p)
bystranicus Laz. 8472
fenestratus Schamr. 8472, I3297(o,p), I3474
floridus Schamr. et Laz. 8472, I3297(o,p)
pentifolium Orech. II257(o,p)
rhombiformis Gorgul. 8472
Helladosphaera Kampt.
cornifera (Schill.) Kampt. 8763, I0840
Hemiaulus Ehr.
sp. sp. 7061, 7287, 7699, 7973, 8246, 8365, 8990, I0982, II3II, II8I5, I2079, I2531, I2534, I2536, I3064, I3162, I3163, I3171, I3358, I3363
ambiguus Grun. 9952, I0462, II334
arcticus Grun. 9952, II334
asymmetricus Jousé 8219, 9952, I2534, I2536
charcovianus Witt 9952
claviger A.S. 8365, 8370
danicus Grun. 8365, 9952, II334, I2150, I2529, I2534, I2536
echinulatus Jousé 9952(p), I2529, I2534, I2536
elegans (Heib.) Grun. 7824, 7829, 8219, 8370, 9952(p), II334, I2039, I2529, I2534, I2536, I3369
februatus Heib. 9952, II334
fragilis Jousé 8218, 8219, 9952, I0946, I2529, I2536
hardmanianus (Grev.) Mann 9141
hauckii Grun. 7061, 7063, 7517, 7534(o), 7536, 7956, 8760, 8762, 8763, 9138, 9141, 9215, 9220, 9221, 9232, 9708, 9783, 9787, 9791, 9965, I0803, I0841, II537, I2019, I2153, I2223, I2224, I2228, I2231, I2594-I2598, I2669
hostilis Kitt. 9952, I3707
- var. hostilis II334
- var. polaris Grun. 7824, 9952(p), II334
hyalinus Krotov 9952
includens Grun. 8219, 9952
incurvus Schibcova 9952(p)
juventus Veksch. 7823(o,p), II334
kittonii Grun. I2536
klushnikovii Gles. 8365, 8370(p), I3364(o,p)
lobatus Grev. II334
membranaceus Cl. 7956, 9141, 9221
mitra Grun. 7824, 9952, I3369
originalis Krotov 9952
perlongus Pant. 8365, 8370
plicatus Sheshuk. I3362
polycystinorum Ehr. 7824, 8218, 8365, 9952(p), I0946, II3II, II334, I2150, I2529, I2536, I3095
- var. brevicornis Jousé 7824, 8218, 9952(p), I3367
- var. frigidus Grun. 7824
- var. mesoleptus Grun. 8990, I0978
- var. polycystinorum 8368(o,p), 8370(p)
polymorphus Grun. 7287, 7497, 7530, 7827, 8981, 8994, 9952, I0939, I0978, I0982, I3369

- var. charcovianus Jousé II334
- var. frigidus Grun. 7497, 7824, 8364, 8365, 8370, 9952(p), II334, I2039, I3707
- var. glacialis Grun. II334
- var. morsianus Grun. 7826, 8365, 8370, 9952, II334
- var. polymorphus 8364(p), 8370, II334
- var. sibiricus Param. II334
- var. virginicus Grun. II334
praeelegans Jousé 9952, II334
proschinae-lavrenkoae Jousé I2529, I2536
proteus Heib. II334
rossicus Pant. I2534
sibiricus Grun. 8365, II334
simbirskianus Grun. 9952
sinensis Grev. 7956, 8763, 9140, 9141, 9221, I0017(o), I0841, I0865, I2019, I2223
sporalis Streln. 8219
subacutus Grun. 8365, 8370(p)
tenuicornis Grev. 8370
tschestnovii Pant. 8365, 8370
undulatus Grun. 9952, I2536
weissflogii Pant. II334
Hemidinium Stein
karianum I2892
mediterraneum Schill. 8763
nasutum Stein II931
Hemidiscus Wall.
sp. sp. 8977(p), 9711, I2153, I2235
cuneiformis Wall. 7530-7532, 7534(o,p), 7536, 8979-8982, 8990, 8994, 8999, 9002(p), 9710, 9711(p), 9713(p), I0331, I0332, I0976(p), I0978, I0980-I0981, I0982(p), II979, II980, I2153, I2223, I2228
- var. orbicularis (Castr.) Hust. 9721(p)
hardmannianus (Grev.) Mann I0015, I0016
karstenii Jousé 8987(o), 9000(o,p), 9002, 9711, 9713, I0332
Heterocapsa Stein
triquetra (Ehr.) Stein I2710
Heterochordaria Setch. et Gardn.
sp. sp. 8051, 8063, I0409
abietina (Rupr.) Setch. et Gardn. 7612, 7613, 7636, 8051, 8054, 8056, 8058-8060, 8070, 8073, 8591, 8592, 9124, II201, II384, I2604, I2606-I2608, I2664, I3633, I3720
- f. simplex Tokida 8058
Heterococcus Chod.
sp. sp. 7438, 8584
breviscellularis Visch. 8581, I0624
caespitosus Visch. 8257, III35, I3453
chodatii Visch. 7225, 7373, 7676, 7678, 7754, 7755, 8825, IIII3, IIII7, II720, I2195, I2574, I3439, I3453
flavescens Chod. I0715
viridis Chod. II878, I2809, I2811, I2813, I3666
Heterodendron Steinecke
squarrosum Pasch. II031
Heteroderma Foslie
zostericola Foslie 8054

Heterodinium Kof.
detonii Rampi I2I53
leiorhynchum Mur. et Whitt. I2I53
murrayi Kof. I2I53
rigdenae Kof. I2I53
Heteromastix Korsch.
angulata Korsch. 980I
Heteronema Duj.
acus (Ehr.) Stein 73I7
discomorphum 7330(p)
globiferum Stein 73I7
hexagonum (Playf.) Skuja 7309, 73II, 73I5(o,p), 73I7
spirale Klebs 73I7, I2I80
trispirum Matv. 73I3, 73I5(o), 73I7
Heteropedia Pasch.
polychloris Pasch. I0967, I0968, I2I95
simplex Pasch. 8825, IIII7, III35
Heterosaundersella Tokida
hattoriana Tokida 8054
Heterosiphonia Mont.
japonica Yendo 7636, 7786(o,p), 8590, II384
wurdemannii var. laxa Börg. I29I7
Heterothrix Pasch.
sp. sp. 7375, 7377, 7438, 9666, III35, II480, II64I, I267I, I3452
bristoliana Pasch. 8825, I0066, I0068, I0069, IIII7, I2I95, I2449, I2877, I3428, I3453
exilis (Klebs) Pasch. 7376, 7749, 7754, 8257, 8825, I0325, I0327, I0328, I07I5, IIII3, I2I95, I2449, I3428, I3439, I3453
monochloron f. terrestre (Ettl) Hollerb. 7755, I0876, I2449
quadrata Pasch. I2449
stichococcoides Pasch. 8825, IIII7
ulotrichoides Pasch. 8825, I2638
Hexagonifera Cook. et Eis.
glabra Cook. et Eis. 8048-8049(o,p)
Hexasterias Cl.
problematicus Cl. 9220
Heyneckia Lohm.
barkowii Lohm. I20I9
Hikorocodium Endo
sp. sp. 868I
Hildenbrandtia Nardo
sp. sp. I2607, I29I7
prototypus Nardo 8054, 8059, 8064, 8070, 8073, 9030(o), 903I, 9033(o,p), I0929, I2664, I3645, I3687
Hillea Schill.
fusiformis Schill. 8763, 9785, I0840, I084I
Histioneis Stein
sp. sp. 9I40, I2223, I2597
cymbalaria Stein 7063
elongata Kof. et Mich. I2597
helenae Mur. et Whitt. I2I53
hyalina Kof. et Mich. I2597

inclinata Kof. et Mich. 8763, I2I53
inornata Kof. et Mich. I2I53
kofoidii Forti et Issel I2I53
mitchellana Mur. et Whitt. I2I53
Hizikia Okam.
sp. sp. I0409
fusiformis (Harv.) Okam. 8056, 8057(o)
Hofmania Chod.
appendiculata Chod. 800I, 87I0, I3246
lauterbornii Wille I3736
regularis Korsch. I3246, I3250
Holmesia J.Ag.
sp. sp. 8054
Holopedia Lagerh.
sp. sp. III98
geminata Lagerh. 7988, 800I, 9289, 980I, I0026, I0080, I0280, I30I3
irregularis Lagerh. 7985, 7986, 7988, 7992, 7993, 800I, 8038, 8877, 980I, I0026, I0280, II866, I2643, I265I(o), I2932, I2935, I2936, I2946(o), I3009, I30I0, I3482, I35I8
Holorhynchus
cinghizicus Borissjak 8376, 8378
giganteus Kiaer 8376, 8378
Homoeostroma J.Ag.
debile (Kütz. et J.Ag.) Woronich. 8899
Homoeothrix (Thur. ex Born. et Flah.) Kirchn.
sp. sp. I35I9, I3523
auraria Obuch. III92
flagelliformis Vozzhen. I209I, I2092, I2094, I35I8
juliana (Menegh.) Kirchn. I0026, II866, I258I, I35I4, I3522, I3525
poljanskii Muzaf. I35I4, I35I8
schizotrichoides Muzaf. I095I, I35II, I35I8, I3526
varians Geitl. II578, I2094
Homomorphus Schamr.
sp. sp. I3300
bilocularis Schamr. I3300(p)
tetracellus Schamr. et Laz. 847I, 8472, I3297(o,p), I3298(p), I3300(p)
trinicellus Schamr. et Laz. 847I, 8472, I3297(o,p), I3298(p), I3300(p)
Hormidiopsis Heering
crenulata (Kütz.) Heering 9932, 9938, I35I4, I3657
Hormidium Kütz.
sp. sp. 7224, 7368, 7375, 7378, 7390, 7392, 7438(p), 7678, 8584, 9I56, 9257, II03I, II208, III35, II479, II64I, I267I, I3442, I3452, I3455, I3458, I3459, I3546
dissectum (Gay) Chod. 7225, 8294, 8570, 858I, I0624, I0963, I0967, I0968, II478-II480, II483, II720, II878, I2809, I28II, I3453, I3666
farlowii Pringsh. 858I
flaccidum A.Br. 7225, 7676, 7749, 7753, 8294, 858I, 8778(o), I0327, I0624, I07I5, I0963, I0965, I0967, I0968, I0970,

11117, 11478, 11479, 11483, 11719, 11720, 11878, 12195, 12574, 12657(o), 13428, 13439, 13453, 13666
fluitans (Gay) Heering 11113
nitens Mengh. 7376, 7377, 7389, 7391, 7750, 7753, 7754, 8570, 8571, 8825, 10066-10068, 10327, 10715, 11117, 11553, 11554, 11720, 11878, 12811, 12813, 12815, 13428, 13434, 13439, 13453, 13514, 13544, 13657, 13666
rivulare Kütz. 8294, 8450, 10646, 10715, 12809, 12811, 13517(o)
stichococcoides Näg. 11117
subtile (Kütz.) Heering 12643, 13631
Hormophysa Kütz.
articulata (J.Ag.) Kütz. 8056, 8057(o)
Hormosira (Endl.) Menegh.
banksii (Turn.) Decne 8056
Hormospora Bréb.
sp. sp. 9694, 13008
Hornichara Masl.
sp. sp. 10592(p), 10602(o,p)
kazakstanica Masl. 10592(o,p), 10602(o,p), 11097, 11098
pulchella Gluchovskaja 8374(o,p)
sarmatica Masl. 10602(o,p)
volgaensis Masl. 10602(o,p)
Horniella Schaikin
robertsii (Peck) Schaikin 13264(o,p)
Horodiscus Hanna
macroscriptus Hanna 11334
Huttoniella Karst.
sp. sp. 10379
Hyalobryon Laut.
voigtii Lemm. 13517(o), 13526
Hyalodiscus Ehr.
sp. sp. 7061, 7130, 7287, 7489, 7492, 7597, 7822, 7829, 8099, 8110, 8254, 8364, 8365, 8370, 8451, 8738, 8981, 9204, 9357, 9713, 9952, 10379, 10380, 10384, 10683, 10814, 10818, 10939, 11168, 11311, 11334, 12467, 13162, 13163, 13369, 13707
aculeatus Param. 11333(o,p), 11334
ambiguus Grun. 8981, 9220, 10137, 10142, 10772, 11311, 11334, 11408, 11417
- var. ambiguus 9721, 10226
dentatus O.Korotk. 9872(o,p), 9873, 9874
echinulatus Jousé 8981
frenguellii Hanna 8422, 8981, 9720
kryshtofovichii Jousé 7287, 7824, 9952, 11311, 12039, 13163, 13707
laevis Ehr. 9220
obsoletus Sheshuk. 9029, 9721(p), 10371, 10391(o,p), 13353, 13357
planus Kozyr. 9721(p)
plicatus Kozyr. 9721(p)
punctulosus O.Korotk. 9872(o,p)
radiatus (O'Meara) Grun. 7531, 8365, 8370, 8981, 10939, 11334
- var. arcticus Grun. 7824, 8737, 8738, 9029, 12467
scoticus (Kütz.) Grun. 7130, 7132, 7137, 7287, 7530, 7531, 7597, 7868, 7869, 7973, 7975, 8182, 8364, 8531, 8737, 8738, 8780, 8781, 8981, 9029, 9220, 9312, 9356, 9360, 9721, 9810,

9952, 9972, 10102, 10201, 10417, 10931, 10939, 11083, 11085, 11168, 11311, 11334, 11442, 11537, 11910, 12039, 12899, 13160-13162, 13164, 13165, 13171, 13206, 13495, 13645, 13706, 13724
- var. griseolus Pr.-Lavr. 10470, 11537, 11801(o,p)
- var. scoticus 10226
sphaerophorus Makar. 10461(o,p), 10463, 10470
stelliger Bail. 7950, 7954, 7956, 9976
subtilis Bail. 8370, 9720, 11085, 11696(o)
valens A.S. 9312, 11696(p)
Hyaloraphidium Pasch. et Korsch.
arcuatum Korsch. 9289, 9433-9434, 10220, 13271, 13517(o), 13526
contortum Pasch. et Korsch. 8001, 8038, 9340, 9439, 9648, 9651, 9666, 9667, 10951, 13279, 13517(o)
- var. contortum 8700, 8715, 10008, 13271, 13274
- var. tenuissimum Korsch. 7250, 8208, 9289, 9340, 9433-9334, 11025, 13246, 13274
moinae Korsch. 7621, 9296
rectum Korsch. 7215, 9289, 9340, 10008, 10133(o), 10220, 13271-13274, 13294, 13517(o)
Hyalosiphonia Okam.
caespitosa Okam. 7636, 8054, 8591, 11384, 13633
Hyalotheca Ehr. ex Ralfs
sp. sp. 7224, 8308
dissiliens (W.Sm.) Bréb. 8700(p), 9018(o), 9021, 9024, 9446, 9662(o), 9932, 9938, 10134(o), 10158, 10162, 10644, 10646, 11451, 11455, 11866, 12049, 12050, 12175, 12393, 13504
- var. dissiliens f. bidentula Nordst. 10160
- - f. dissiliens 10160, 11184
- - f. tridentula Nordst. 10160
- var. hians Wolle 9024, 10160
- var. tatrica Racib. 10160
dubia Kütz. 11866
mucosa (Mert.) Ehr. 8038, 8266, 10134(o), 10160, 10162, 13631
Hydrianum Rabenh.
brevipes Korsch. 9749(o,p)
crassiapex Korsch. 11584, 12680, 13517(o)
ellipticum Korsch. 13517(o)
pyrenoidiferum Massjuk 10617(o,p)
Hydrocoleus Kütz.
brebissonii Kütz. 13514
homoeotrichus Kütz. 12091, 13514
- f. minor (Woronich.) Elenk. 10715
terrestris Novitsch. 12195, 13518
Hydrocoryne Schwabe ex Born. et Flah.
spongiosa Schwabe 7676, 8038, 10248, 11866, 12341
Hydrodictyon Roth
sp. sp. 7506, 8318, 8449, 8452(p), 8809, 10039, 10149, 10411, 10851, 10855, 10919, 10920, 11448, 11670, 11751, 12201, 13008
reticulatum (L.) Lagerh. 7383, 7507, 7520, 7846, 7861, 8001, 8038, 8312, 9024, 9297, 9664, 9695, 9801, 9884, 9946-9948, 10080, 10087, 10148, 10149, 10151, 10152, 10218, 10220, 10317, 10644, 10646, 10757, 10849, 10975, 11190(o), 11351, 11358, 11831, 11866, 11935, 12242, 12313, 12347, 12369, 12383, 12579, 12645, 12650, 12679, 13014, 13311, 13511, 13561, 13562

Hydrurus Ag.
sp. sp. 9022, I2646
foetidus (Villars) Trev. 7296, I0033, I0I26, I0I27, I0I29, I095I, I0956, III86, II595, I2522, I2637, I3504, I35II, I3529
vaucherii morpha filiformis III85
Hyella Born et Flah.
balani Lehmann 8899
caespitosa Born. et Flah. 8035, 8899, 9768, II442, I27I0
- var. nitida Batt. 8899
fontana Huber et Jad. I2090, I209I, I2094
Hymenena Grev.
laciniata (Hook. et Harv.) Kylin 9I6I(o)
ruthenica (Post. et Rupr.) A.Zin. 9I64(o,p)
Hypnea Lamour.
sp. sp. I0409, I29I7
cervicornis Okam. I3686
Hypnodinium Klebs
sphaericum Klebs 9220
Hypnomonas Korsch.
sp. sp. 7436, I0968
chlorococcoides Korsch. I2449, I28I0, I30I0
ellipsoidea Korsch. I2875, I2877
lobata Korsch. I3009, I30I0, I30I2, I3747
schizochlamys Korsch. 7225, I2809
Hypoglossum Kütz.
sp. sp. 8059
Hypophyllum (J.Ag.) Kylin
sp. sp. 805I, 8058
middendorfii (Rupr.) Kylin 76I2-76I4, 8054, 8058, 8070, 859I, I2607, I3029
ruppechtianum A.Zin. 9I64(o,p)
Hystrichodinium Defl.
pulchrum Defl. 8048-8049(o,p), I3567(p)
Ilea Fries
fascia (O.F.Müll.) Fries 8279, 9I24
- f. debilis (J.Ag.) Setch. et Gardn. II064
- f. typica (Hauck) Kjellm. 760I
zosterifolia (Reinke) Nordst. 9I2I
- f. lata A.Zin. 760I
- f. typica A.Zin. 760I
Indumentalithus Veksch.
tetracellus elegantieus Schamr. et Laz. 7824
Interpositus
argutus Schamr. I3298(p), I3300(p)
compactus Schamr. I3300(p)
denticulatus Schamr. I3300(p)
laciniatus Schamr. I3298(p)
muticus Schamr. I3298(p), I3300(p)
submagnus Schamr. I3300(p)
Ireksokonia C.Meyer
formosa C.Meyer 9670(o), I2329
Iridaea Bory
sp. sp. 8051, 8059, 9I24, I0483, I2664
cornucopiae Post. et Rupr. 76I3, 8054, 8058, 8060, I2064, I2607, I3720

laminarioides Bory 7422
subdichotoma Nagai 8054, 8065(o), I2604, I2607, I3720
Iridophycus Setch. et Gardn.
sp. sp. 9I24, I0409
Ischadites Murchison
sp. sp. I3236, I3237(p)
Isochrysis Parke
galbana Parke 7257, I3536
Isocystis Borzi ex Born. et Flah.
sp. sp. I35I8
Issinella Reitl.
sp. sp. I3232(p), I3233, I3235, I3237(p)
devonica Reitl. 9287, I323I, I3235(o,p), I3236, I3237
grandis Tchuv. I3235(o,p), I3236
Isthmia Ag.
sp. sp. 7287, I3353
arcuata (Lyngb.) Kütz. I2004
enervis Ehr. 8370, 9I4I
nervosa Kütz. 7530, 7597, 8737, 8738, 8780, 898I(p), 9I95, 972I, I00I7(o), I0384, III68, II3II, II997, I2004, I3I60, I3I62, I3353
szaboi Pant. 9720
Isthmochloron Skuja
lobulatum (Näg.) Skuja 8408, I3287
Isthmolithus Defl.
recurvus Defl. 8I49, 8785
Isthmoplea (Carm.) Kjellm.
sphaerophora (Carm.) Kjellm. 7435, 8279, 8550, I0II0, II378
Ivanovia Chvorova
sp. sp. 9823, I3233
tenuissima Chvorova 9823
Izhella Antr.
sp. sp. 7268, I3233, I3237
nubiformis Antr. 7268, 7269, I3235(o,p), I3236, I3237
Jacutiella Korde
sp. sp. 9828
aciculata Korde 9825
Janczewskia Solms-Laub.
morimotoi Tokida I2607
verrucaeformis Solms-Laub. 8054, I2664
Jania Lamour.
sp. sp. 8479
capillacea Harv. I29I7
dniestrovica Masl. I0584(o,p), I0600(o,p)
rubens (L.) Lamour. 8054, 94I8, 9420, II409(o), II4I0, II4I2
Jatuliana Korde
sp. sp. 9828, 9833
furcata Korde 8I32(o,p)
Jenisseiphyton Ananiev
lebedevii Ananiev 7I76(o,p)
rudnevae (Peresvetov) Ananiev 7I76(o,p)
Johannesbaptistia De Toni
pellucida (Dickie) Taylor et Drouet 9656, II8I9
Johnsonia Korde
spinosa Korde 9826(o,p), 9827, 9828, 983I

Jonssonia S.Lund
pulvinata S.Lund 9175
Jousea Gles.
elliptica (Jousé) Gles. 8363(o,p), 8990
Juresanella Tchuv.
sp. sp. 13233
Jusella Vozzhen.
denticulata Vozzhen. 8048-8049(o,p)
Kadvoya Korde
mirabilis Korde 9833
Kallymenia J.Ag. (=Callymenia Kütz.)
sp. sp. 7612-7614, 11961, 12604, 12607, 13633
crassiuscula Suchov. et Bogd. 12609
ornata (Post. et Rupr.) J.Ag. 8060, 8070, 9158
pustulosa (Post. et Rupr.) Setch. et Gardn. 8065(o), 9158
reniformis J.Ag. 8054, 8070, 8073, 8592, 12064
- var. cuneata J.Ag. 13633
schmitzii (Schmitz) De Toni 8065(o)
Kamaena Antr.
delicata Antr. 7269(o,p)
Kamptnerius Defl.
magnificus Defl. 10427(p), 10428, 10430, 10432-10434, 13466, 13469
minimus Reinh. 13472
Kareliana Korde
sp. sp. 9828
zonata Korde 8132(o,p)
Karpinskya (Croft) Gramb.
oscolensis Samoilova 12146, 12147
Katagnymene Lemm.
sp. sp. 12594
bergii I.Kiss. 13518
palustris G.S.West 10798
pelagica Lemm. 9965
spiralis Lemm. 9137, 9965
Katangasia Masl.
obsoleta Narozhnych 7579(o,p)
Katavella Tchuv.
sp. sp. 13233, 13237(p)
orlovkaensis Tchuv. 9830, 13234(o,p), 13235(o,p), 13236, 13237
Katodinium Fott
glaucum (Lebour) Schill. 7956
parvulum Litw. 10359(o,p)
Kazakhstanella Korde
sp. sp. 9823, 9833
Keega Wray
sp. sp. 9833
Kenella Korde
sp. sp. 9833
Kentrodiscus Pant.
fossilis Pant. 9952
Kentrosphaera Borzi
sp. sp. 12201
bristolae G.Sm. 9749(o,p), 11451
glaeophila (Bohl.) Brunnth. 11720

Kephyrion Pasch.
sp. sp. 10008, 10221, 10365, 11866
boreale Skuja 8714(o,p), 8716, 9882, 13249
campanulaeforme Khmel. 10008, 13075(o,p)
cupuliforme Conr. 8714(o), 8716, 9882, 13075(o,p)
cylindricum (Lack.) Conr. 8714(o,p), 8716, 9882
doliolum Conr. 10131
hemisphaericum (Lack.) Conr. 9882
littorale J.Lund 8714(o,p), 8716, 9882, 10008, 13075(o,p)
mastigophorum Schmid 8714(o,p), 8716, 9882
mosquense Gus. 8714(o,p), 8716, 9882
petasatum Conr. 8714(o,p), 9882
rubri-claustri Conr. 7227, 8714(o,p), 8715, 8716, 9010, 9882, 10043(o,p), 10044, 10046, 10220, 11866, 13075(o,p)
spirale (Lack.) Conr. 8714(o,p), 8716, 9882, 10043(o,p), 10044, 10046, 10131, 10220, 11866, 13075(o,p)
valkanovii Huber-Pest. 8714(o,p), 8716, 9882
Kephyriopsis Pasch. et Ruttn.
tatrica Jurič 9882
Keratococcus Pasch.
bicaudatus (A.Br.) Peters. 7750, 13657
caudatus Pasch. 7225
Keratophora Pant.
sp. sp. 13369
robusta Pant. 8365
Kidstoniella Croft et George
sp. sp. 9833
fritschii Croft et George 9472
Kirchneriella Schmidle
sp. sp. 7082, 7506, 7962, 8097, 8098, 8559, 8582, 8912, 8916, 8939, 9324, 9752, 10185, 10190, 10193, 10194, 10842, 10843, 11107, 11793, 12331, 12382, 12833, 12932, 12933, 12940, 13148
contorta (Schmidle) Bohl. 7627, 8001, 8038, 8555, 8700, 9220, 9755, 9801, 10008, 10077, 10080, 10220, 11673, 11859, 11866, 13009, 13246, 13594, 13642, 13736
- var. gracillima (Bohl.) Chod. 8038, 11881
cornuta Korsch. 10008, 13271
gracillima Bohl. 10080, 13246
intermedia Korsch. 8001, 8313, 9801, 10042, 11866, 11881, 11967, 12505, 13026, 13249
- var. intermedia 10008, 13271, 13274
- var. major Korsch. 8038, 9019, 9289, 9749(o,p), 10959, 11672, 11673, 13271, 13272, 13274
irregularis (G.Sm.) Korsch. 7082, 7303, 7584, 8001, 8038, 8301, 9289, 9882, 10113, 10133, 10189, 10190, 10192, 10193, 11672, 11673, 11866, 12280, 12504, 12505, 13177, 13178, 13246, 13249, 13273, 13520, 13527, 13536, 13537, 13540, 13713, 13721, 13740
- var. irregularis 10008, 13271, 13274
- var. spiralis Korsch. 8038, 9289, 11866, 13246
lunaris (Kirchn.) Moeb. 7105, 7294, 7469, 7507, 7620, 8001, 8038, 8554, 8555, 8560, 8570, 8581, 8700, 8877, 8879, 8912, 9015, 9024, 9220, 9223, 9242, 9298, 9340, 9433-9434, 9448, 9568, 9752, 9801, 9819, 9864, 9932, 9959, 10046, 10074,

I0077, I0079, I0080, I0082, I0085, I0362, I0644, I0646, I0706, I0822, I0905, III98, II455, II537, II583, II584, II672, II673, II830, II864, II866, II88I, I2I22, I2478, I2482, I2577, I2580, I2906, I30I0, I30I3, I3I56, I3I89, I3245-I3247, I3249, I3250, I3504, I3594-I3595, I3642, I3736
- var. dianae Bohl. 980I, I02I8, I0220, I3249
- var. lunaris 7462, 7465, I0008, I02I8, I0220, III28, I327I, I3294
obesa (West) Schmidle 7I03, 7225, 7227, 7620, 7626, 7628, 800I, 8038, 8555, 8570, 8573, 858I, 8584, 8604, 87I0, 880I, 9I33, 9I97, 9340, 969I, 980I, 9938, I0046, I0077, I0080, I0082, I0I33, I02I8, I0220, I0327, I0329, I0363, I0690, I0844, III98, II5I7, II537, II585, II673, II736, II859, II864, II866, II967, I2333, I24I6, I3009, I30I0, I30I2, I30I4, I3245, I3246, I3249, I358I, I363I, I3689, I3747
- var. aperta (Teil.) Brunnth. 800I, 9289, 980I, 9932, I0008, I0080, III28, II866
- var. obesa 8700, 9932, I0008, III28, II45I, I327I, I3274, I3294
subcapitata Korsch. I0185
subsolitaria West 8584
Kisselevia Vozzhen.
ornata Vozzhen. 8048-8049(o,p), III55
Kisseleviella Sheshuk.
carina Sheshuk. 9873, 9874, I04I4, I3355(o,p), I3358, I3362
Kittonia Gr. et St.
sp. sp. 8365, 9952
granulata Chen. II334
Kjellmania Reinke
sorifera Reinke I3645
Kjellmaniella Miyabe
sp. sp. 9I24, I0409, I2572, I2664, I3402
crassifolia Miyabe 8054, I2604, I2606, I2607
gyrata (Kjellm.) Miyabe I2064, I3720
Kofoidinium Pav.
velleloides Pav. I2223
Koivinella Tchuv.
sp. sp. I3233, I3236
Komia Korde
sp. sp. 9389
abundans Korde 9823
Koninckopora Lee
sp. sp. 9823, 9833, I3233, I3235(o,p), I3237(p)
grandis Tchuv. I3236
macropora Masl. I3236
micropora Masl. I3236
Kopetdagaria Masl.
dalmatiensis Masl. I060I(o,p)
iailaensis Masl. I060I(o,p)
Kordephycus Radugin
conglutinatus Korde 9833
crinitus Korde 9833
crispus Korde 9833
Kordephyton Radugin et Stepanova
sp. sp. I2223

crinitum Korde I25I3
Kornmannia Blid.
leptoderma (Kjellm.) Blid. 7947
- f. leptoderma 7948
- f. mytilicola Vinogr. 7948
zostericola (Tild.) Blid. 7948
Korojonia Cook. et Eis.
dubiosa Cook. et Eis. 8048-8049(o,p)
Kosmogyra Stache
blecheri (Saporta) Pia II095(o,p), II097
superba Stache 99I7(p), II097
Kosvophyton Korde
sp. sp. 9833
Kulikia Golubtzov
sphaerica Golubtzov 8429
Kundatia Korde
composita Korde 9833
Kylinia Rosenv.
collopoda (Rosenv.) Kylin II438(o)
compacta (Jao) Papenf. II438(o)
hollandica Kylin 9030(o), 9033(o,p), 9245, II377(o,p), II42I
humilis (Rosenv.) Papenf. 9406, II377(o,p)
microscopica (Näg.) Kylin 8899
parvula (Kylin) Kylin 7362, 76I3, 7942, 9030(o), 9033(o,p), 9245, 9406, II377(o), II383(o), II42I
secundata (Lyngb.) Papenf. 7606, 7942, 8899, I2607
virgatula (Harv.) Papenf. 7942, 8899, 9030(o), 9033(o,p), 9406, 94I8, 9420, 957I, II377(o), II409(o), II4I0, II4I2, II423, I2664
- f. luxurians Hamel II42I
Kyzassia Korde
elegans Korde 9833
formosa Korde 9833
Lagenoeca Kent
globulosa Francé I0822
Lagerheimia Chod.
sp. sp. 7082, 8324, 8326, 9433-9334, I0I32, I0364, III98, II672, II673, I3736
amphitrica (Lagerh.) Lemm. I0080
breviseta W. et G.S.West I0080
chodatii Bern. 7702, 800I, 8555, 980I, II537, II672, II673, II866, I3246, I327I, I3736
ciliata (Lagerh.) Chod. 7465, 7520, 800I, 8038, 8230, 8290(p), 8904, 8905, 8907, 8926, 980I, I0080, I0I33(o), I0I85, I0I90, I0220, II35I, II358, II537, II866, I2I22, I224I, I2242, I2327, I2482, I2505, I3056, I3245, I3246, I327I, I3279, I3536, I3538, I37I3, I372I, I3740
citriformis (Snow) G.Sm. 800I, 87I8, 8725, 8890, 9433-9434, 944I, 9643, I0080, I0082, I0220, II537, II866, I2482, I3057, I3060, I306I, I3287, I3526, I3535
droescheri (Lemm.) Printz I0080
genevensis Chod. 7I03, 762I, 800I, 8038, 8202, 8555, 8725, 8905, 90I2, 9289, 9324, 950I, 980I, 9959, I0046, I0077,

I0080, I0082, I02I8, I0220, I022I, I0646, I0822, I0905, II223, II537, II672, II673, II866, I233I, I2342, I2375, I3009, I30I0, I3246, I3272, I3274, I3373, I35I5, I353I, I3535, I3736
- var. genevensis 7I04, 9500, I0008, I327I
- var. subglobosa (Lemm.) Chod. 8038, 8925(o), 8926, 980I, I0008, I0I33(o), II537
longiseta (Lemm.) Printz 72I5, 800I, 8038, 8725, 9289, 9687, 980I, I0008, I0046, I0080, I0I3I, I0I33, I0220, I0646, III84, II537, II672, II673, II866, I2327, I2482, I2579, I3057, I306I, I3246, I353I
marssonii Lemm. 8038, 9292, 980I, II866, I327I
octacantha Lemm. 800I, 980I, 99II, 99I2, I3246, I3279, I3287, I3294
quadriseta (Lemm.) G.Sm. 800I, 980I, I0008, I0080, I0I3I, I0I33, II537, II672, II673, II866, I2323, I327I
subsalsa Lemm. 7I83, 800I, 8038, 8725, 880I, 9I33, 9I34, 9438, 980I, 99II, 99I2, II672, II859, II860, II864, II866, I2375, I3I27, I3246, I3287, I353I
tetraedrica Roll 8700, 980I, II45I, I3287
wratislaviensis Schröd. 7250, 7626, 7702, 800I, 980I, I0046, I0646, I0905, II585, II672, II673, II866, I2327, I2342, I2375, I30I3, I3I77, I3I78, I3689
- var. trisetigera G Sm. 8038, I0008, I0043(o,p), I0046, II866, I327I
- var. wratislaviensis I0008, I327I, I3272, I3274
Lagynion Pasch.
ampullaceum Pasch. 800I
scherffelii Pasch. I0363, II866
triangulare Pasch. I0363
Laingia Kylin
pacifica Yamada 8054, 9905-9907, II384, I2064, I3633
Lambertia Korsch.
sp. sp. 7082, 7I04, 830I, 9I49, 92I4, 9295, 9648, I0006-I0008, I0046, I0II3, II663(p), I3274
falcata Kog. 965I
gracilipes (Lamb.) Korsch. 9293, 9294, 9296, I2482
issajevii (I.Kiss.) Korsch. 980I, II859, II860, I328I, I3287
- var. spinosa Korsch. 89I7, 8926
- var. spinulosa Korsch. 980I
judayi (G.Sm.) Korsch. 7303, 7806, 800I, 980I, I0008, I0220, II859, II860, I327I, I3287, I35I2
lanceolata (Elenk.) Korsch. 800I, 87I3, 8800
limnetica (Lemm.) Korsch. 8038, 980I, I2932, I3274, I3526
michailovskoensis (Elenk.) Korsch. 9293, 9294, 9296
- var. angusta Korsch. I30I3, I30I4, I3747
ocellata Korsch. 7I05, 7462, 7465, 7469, 800I, 87I3, 89I3, 89I6-89I9, 8927, 8930, 9340, I0008, I0I77, I0366, I2932, I2934, I2939, I2940, I3246, I327I, I3272, I3274, I328I, I3287
setosa (Filarszky) Korsch. 9293, 9294, 9296
viridis Massjuk I06I7(o,p)
Lambia Delép.
sp. sp. 7064
Laminaria Lamour.
sp. sp. 7I56, 7357, 7685, 7688, 805I, 8058, 8276, 8766, 8773,

886I, 8887, 906I, 9062, 9I2I, 9I56, 9I59, 9377, 9536, 9862, 9867, 99I4, I0203, I0397, I0409, I0436, I0806, I0897, II2I9, II385, II436, II567, II644, II776, II880, I2I58, I2260, I235I, I2368(p), I2663, I2664, I3030, I309I, I3II3, I3II5, I3257, I3259, I3633, I3645, I3735
agardhii Kjellm. 9I24
angustata Kjellm. 7763, 8054, I2064, I2I68, I2602, I2664
- var. longissima Miyabe I2607
appressirhiza Ju.Petr. et V.Voz. 8070, II446(o,p)
bongardiana Post. et Rupr. 9I24
bullata Kjellm. 9I24
cichorioides Miyabe 7636, 7763, 8063, 8406, 8590, 8592, II20I, II384, II444, I2606, I2607, I2609, I2664, I275I
coriacea Miyabe 8054
crispata Kütz. 776I, 7762
cucullata (Le Jolis) Foslie 7603, 7604, 8064, 8275, 8550, 855I, 9026, 954I
dentigera Kjellm. 8054, 9I24
diabolica Miyabe 8054
- f. longipes Miyabe et Tokida I2I6I, I2I67, I2I68
digitata (Huds.) Lamour. 7II8, 7429, 7430, 7600-7604, 7606, 7608, 76I0, 76II, 76I3-76I5, 7765, 7766, 7768, 7942, 8054, 8060, 8064, 8069, 8073, 8275, 8279, 8284, 8550, 855I, 9026, 9I24, 9I54, 9406, 9533, 954I, 9978, 9979, I0II0, I0936, II379, II605-II606, II780-II783, II96I, I2063, I2572, I3030, I3036, I3II6, I3708
- f. cucullata (Le Jolis) Foslie 7606, 7608, 7609, I3708
- f. digitata 7608, 7609
flexicaulis Le Jolis 9I24
gurjanovae A.Zin. 76I2-76I4, 7763, 8054, 8060, 8062, 8070, 8073, 9I63(o,p), 9I68(o,p), 9I69, 9I75, I2063, I2I68, I2609
hyperborea (Gunn.) Foslie 7606, 7608
inclinatorhiza Ju.Petr. et V.Voz. II446(o,p)
intermedia Foslie 8275, 9406
japonica Aresch. 7I60, 7636, 768I, 7682, 7759-7763, 805I, 8054, 8063, 8406, 8407, 859I, 8592, 8639, 9I24, 9378, 938I, 94I3, 9423, 9424, I0372, I0435, II20I, II429, II96I, I2064, I2I58-I2I60, I2I64-I2I68, I2I70, I2602, I2604, I2605, I2664, I3092, I3II6, I3258, I340I-I3403
- f. diabolica (Miyabe) Ju.Petr. I2606
- f. japonica II384, I2606, I2607
- f. longipes (Miyabe et Nagai) Ju.Petr. II384, I2606, I2607
longipes Bory 8054, 8070, 9I24
nigripes J.Ag. 9I24
ochotensis Miyabe 8054
platymeris De la Pyl. 8054, 8055(o), 8065(o), I2664
saccharina (L.) Lamour. 7II8(p), 7428-7430, 7433, 7600, 760I, 7603, 7604, 7606, 7608, 76I0, 76II, 76I5, 7766, 7768, 7942, 8054, 8059, 8060(o), 8064, 8069, 8275, 8278, 8279, 8282, 8284, 8550-8552, 859I, 884I, 8842, 9026, 9I20, 9I2I, 9I24, 9I52, 9I54, 9I75, 9I79, 9378, 938I, 9406, 9533, 954I, 9978, 9979, I0II0, I0435, I0437, II3I0, II377, II379, II590, II780-II783, II833, II96I, I2064, I2I6I, I2I67, I2I68, I2374, I2602-I2605, I2907, I3029, I3030, I3045, I3047, I3220-I3222, I3258, I3260, I3402, I3708

- f. bullata Ag. 7759, I2064, I2I60
- f. grandis Kjellm. 8275
- f. latifolia Kjellm. 8275
- f. membranacea J.Ag. 7603, 7604, 7608, 7609, 8275
- f. saccharina 7600, 7602, 7608, 7609, 76II
sachalinensis Miyabe 8054, I2603
solidungula J.Ag. 9I24, 9I74, 9I75
stenoloba De la Pyl. II96I
stenophylla Kütz. II96I
subsimplex Miyabe et Nagai 8054, 8060, 8065(o), 8070, I2664
taeniata Post. et Rupr. 76I3, 76I6(o), 8060, 8070
yezoënsis Miyabe 76I6(o), 8060, 8070, I2064, I2I68
Laminariocolax Kylin
tomentosoides (Farl.) Kylin 8279, 9406, I2664
Lamprothamnium Groves
sp. sp. 99I9
papulosum (Wallr.) Groves 9646, 9649, 965I, 99I9, II582, I2675, I2676, I34I3, I34I6
- f. lobotespusoides Br. I2675
Lamprothamnus A.Br.
alopecuroides A.Br. 903I, 9075, II573, I2675, I2676, I3703
Lancicula Masl.
sp. sp. 9823, I0534, II777, I3233
alta Masl. 7I76(o,p)
Langiella Croft et George
sp. sp. 9833
scourfieldii Croft et George 9472
Latochara Müdler
sp. sp. I0I68, I0924
acuta Said. 9579, I0893, I2096(p), I2I06, I2888
latitruncata (Peck) Müdler 808I, 9497, I3265
maxima Prostjakova et Schaikin II784(o)
regia Gluchovskaja 8374(o,p)
Lauderia Cl.
sp. sp. 706I, 9902, I2079, I2080, I2I53
borealis Gran 706I, 7063, 753I, 7952, 7954, 8I48, 82II, 898I, 922I, 9965, I0092, II994, I2004, I2I53, I2444, I2892, I3645
glacialis Gran 7952, 7954
Laurencia Lamour.
sp. sp. 79I0, 805:, 8054, 8056, 8058, 8532, 9075, 9II8, 9I23, 9402, 9420, 954I, I0I39, I0563(o), II4I9, I2064, I2589, I3029
caspica A.Zin. et Zaberzh. 9030(o), 903I, 9033(o,p), 9I72(o), I0563(o), II420, II42I, II423
coronopus J.Ag. 8899, 890I, 9I62(o), 94II, 9420
glandulifera Kütz. 8054
hybrida (DC) Lenorm. 8899, 890I, I0929
japonica Yamada I2604
nipponica Yamada 7636, 8592, II384, I2604, I2607, I3633, I367I(o,p)
obtusa (Huds.) Lamour. 7744, 7745, 79I0, 8054, 8350, 8899, 890I, 9I24, 9420, 9463, 957I, I0055, I0058, I0059, I0I40, I0I45, I0929, II344, II384, II408, II409(o), II4I0-II4I2, II4I5-II4I7, II420, II423, II573, II582, II600, II60I, II605-II606, II626, I2604, I2607, I2664, I3043, I3046

okamurae Yamada 7636, II383, I2607, I2609
paniculata J.Ag. 8899, 890I, 9II8, 9I23, 9I24, 9420, 9457, I33I2, I33I3
papillosa (Forsk.) Grev. 9420
pinnatifida (Gmel.) Lamour. I0929
Laurenciocolax A.Zin. et Perest.
polyspora A.Zin. et Perest. 9030(o), 903I, 9033(o,p), 9I73(o,p), II42I
Lauterbornia Pringsh.
nidulans Pringsh. I2297
Lauterborniella Schmidle
appendiculata Korsch. 7465, 800I, 8873, 980I, I0043(o,p), I0044, I0046, I0878, I3287, I3586
elegantissima Schmidle 9748(p), 980I, I3373
Leathesia Gray
difformis (L.) Aresch. 7606, 76II, 76I3, 7636, 7942, 8054, 8056, 8279, 8592, 8899, 890I, 9026, 9I24, 9406, II384, I2604, I2607, I3633, I3720
sphaerocephala Yamada 8054
umbellata (Ag.) Menegh. 7I6I, 8054, 8056, 8899
Leiostroma Vologd.
sp. sp. 8I2I(o)
curvatum Vologd. 8I2I(o,p)
elegans Vologd. 8I2I(o,p)
Lejeunia Gerl.
hyalina Gerl. 8048-8049(o,p)
Lemanea Bory
sp. sp. I095I
fluviatilis (L.) Ag. III85, III86
mamillosa Kütz. III84-III86
Lemmermannia Elenk.
sp. sp. I35I8
pallida (Lemm.) Elenk. 8038, 9568, 980I, I0026, I234I
Lenaella Korde
sp. sp. I3596-I3597
reticulata Korde 9822(p)
Lepidodiscus Witt
sp. sp. II334, I2534
beresovsky Krotov 9952
elegans Witt 82I9, I2529, I2532, I2534, I2536
jugatus Cles. 8365, 8370, I3364(o,p)
Lepochromulina Scherf.
bursa Scherf. I35I7(o), I3526
calyx Scherf. I35I7(o)
Lepocinclis Perty
sp. sp. 7I02, 7I04, 72I5, 9340, 9748(o), I0975, II88I, I2327, I3267, I327I, I3272, I3274, I3695, I3736
acicularis Franc6 II670
autumnalis Chu 73II
- var. autumnalis I3274
constricta Matv. I3526
cylindrica (Korsch.) Conr. I2480(o)
elongata (Swir.) Conr. 92I4, 9220*, 980I, I0646, II866, I2480(o), I3246, I3524
fusiformis (Cart.) Lemm. 7I83, 7306, 73I4, 73I8, 7325, 800I,

8038, 9242, 9292, 980I, I0046, I0646, II670, II866, I2480(o), I2776, I2784, I2935, I3736
- var. elongata Swir. I3736
- var. minor Chu 8776, II866
globosa Francé 980I
globula Perty 7306, 73I4, 7325, 7332, 980I, I0046
lata (Roll) Popova 800I, II935
marssonii Lemm. 73I0, 7992, 980I, I0046, II866, I3524, I3736
- var. marssonii I2480(o)
- var. sinensis Popova 980I, I2480(o)
ovum (Ehr.) Mink. 7307, 73I0, 73II, 73I3, 73I4, 73I6, 73I8, 7325, 7327, 800I, 8038, 90II, 9297, 9340, 980I, I0046, I0080, I0I3I, I0646, III83, II223, II670, II859, II866, II88I, I2I22, I2I75, I24I6, I2478, I2637, I2776, I2784, I2938, I3202, I3287, I35I7(o), I37I3, I3736
- var. angustata (Defl.) Conr. II86I, II866
- var. buetschlii (Lemm.) Conr. 980I, II670, I2480(o)
- var. conica All. et Lef. 9882
- var. dimidio-minor Defl. 7307, 73I0, 73II, I0046, II670, II866, I3246
- var. fominii Roll 8038, 980I, I0046
- var. major (Huber-Pest.) Conr. 980I
- var. ovata Swir. 980I
- var. ovum III84, I2480(o), I327I, I3294
- var. palatina Lemm. 7327(o,p), 8038, 980I, I0080, I0975, II866, I2480(o), I3736
- var. punctato-striata Lemm. 980I
- var. striata (Hübner) Lemm. 980I
playfairiana Defl. 73II, 73I3, 7332, 980I, I3287
salina Fritsch 8879, II859, I37I3
sympheropolica Christ. 980I
spirogyra Korsch. II86I
stenii Lemm. 7307, 73I0, 73II, 73I3, 7325, 980I, I0046, I0080, II223, II670, II866, I24I6
- var. suecica Lemm. 980I, II866, I327I, I3736
taurica Christ. 980I
teres (Schmitz) Francé 980I, I3279
- f. teres I3274
texta (Duj.) Lemm. 7309, I3736
Leptobasis Elenk.
sp. sp. 8038, I0968, I35I9, I3523
crassa (G.S.West) Geitl. II866
striatula (Hy) Elenk. 8308, 9768
- f. levis Kossinsk. 9768
- f. striatula 9768
Leptochaete Borzi
sp. sp. 9260, 926I, I258I, I35I8
rivularis Hansg. I095I
Leptocylindrus Cl.
sp. sp. 7062, II8I5
adriaticus Schröd. 7063, 9220
atlanticus 7063
danicus Cl. 706I, 7063, 75I7, 7927-7929, 7935, 7950, 7952, 7954, 7956, 82II, 832I, 8763, 9I24, 9I4I, 9I42, 92II, 9220-9223, 9229, 9230, 9598, 9784, 9787, 9965, 9972, I00I7(o),

I0I23, I0205, I0206, I0208, I0209, I02I2, I02I3, I0673, I0877, I0888, I0890-I0892, II068, II375, II536, II537, II779, II805(p), II994, II997, I2004, I208I, I2I53, I2228, I2444, I2599, I27I0, I2892, I3725
minimus Gran 92II, 9220, II537, I27I0
Leptodinium Klem.
subtile Klem. 8048-8049(o,p)
Leptonema Reinke
arcticum A.Zin. 9I75, II377(o), II378
fasciculatum Reinke 7435, 8054, II782, I2664
- f. uncinatum Reinke I3645
Leptosarca A. et E.S. Gepp
sp. sp. 9I56
Leptosira Borzi
mediciana Borzi I3439
Lessonia Bory
sp. sp. 8063, 9I56, I3260
laminarioides Post. et Rupr. 76I3, 76I4, 8059, 8060, 8070, 8073, 9I24, I2063
Letterstedtia Aresch.
sp. sp. I0409
Licmophora Ag.
sp. sp. 7096, 7684, 8064, 8438, 878I, 898I, 9056, 92I4, 957I, 9572, 96I9, 9747, I0I44, I0I69, I04I7, I0808, II083, II279, II285, II994, II997, I2004, I2I53, I2223, I2597, I27I0, I3353, I3706
abbreviata Ag. 7534(o), 7536, 7956, 9220, 9972, I3706
antarctica M.Perg. 9000
communis (Heib.) Grun. II083, II085, I3706
dalmatica (Kütz.) Grun. II083, II085
debilis (Kütz.) Grun. 979I
ehrenbergii (Kütz.) Grun. 7348, 8444, 8527, 853I, 8738, 898I, 9220, 9787, 9790, I0I35-I0I37, I0I42, I0I45, I0209, I02I3, I0673, I0803, I08I4, I08I6, I08I8, I08I9, II085, II579, I2956
- f. angutata Grun. 8738
- var. ehrenbergii II083
- f. grunowii (Mer.) Hust. 7536
- var. ovata (W.Sm.) Perag. 9720
flabellata (Carm.) Ag. 9220, I0772, I0803, II083, II085, I3750
gracilis (Ehr.) Grun. 8527, 853I, 8738, 8899, 9220, 9458, II279, II578, I2I53
- var. anglica (Kütz.) Perag. II083, II085
- var. gracilis 9457, 9459, 9460(o)
hastata Mer. 9456, 9458, 9460(o), 9787, 9790, I3249
- var. hastata 9457
hyalina (Kütz.) Grun. 9456, I3706
jurgensii Ag. II083, II085
lyngbyei Grun. 7952, I0886, I0887, II083, II085, I2I53
oedipus (Kütz.) Grun. 8738, I3249
ovulum Mer. 9457(p)
paradoxa (Lyngb.) Ag. 7435, 7685, II085
- var. paradoxa II083
reichardtii Grun. II546
Ligolithus Kampt.
dubius Defl. II257(o,p)

Ligulatium Vologd.
bifacile Vologd. 8II4
Linoporella Steinmann
sp. sp. 9823
Liostephania Ehr.
sp. sp. I0976, I0982
Liradiscus Grev.
sp. sp. II3II, I2534, I3095
ellipticus Grev. 8364, 8365, 8370, 9952, II334, I3707
ovalis Grev. 8370, 9952, II334
Liriogramma Kolbe
sp. sp. 97I3(p), I0980-I0982
hustedtii Kolbe 7536, 8982, 97II, 97I3, I0976, I0978, I0982
pettersonii Kolbe I0976, I0978
Litanaia Masl.
sp. sp. 9823, I0534, I3233, I3235(o,p), I3237(p)
anirica Masl. 7I76 (o,p)
mira Masl. 7I76(o,p), I3236
Litharchaeocystis Defl.
costata Defl. 8364, 8365, 8370
Lithastrinus Str.
floralis Str. I0427(p), I0432-I0434, I3472
grillii Str. I0433, I3474
normalis Luljewa I0434(o,p)
planus Stover I0427(p), I0432, I0434
Lithochrysites Masl.
calcareus Masl. I0607(o,p)
Lithoderma Aresch.
sp. sp. I0II0
extensum (Crouan) Hamel 8899
fatiscens Aresch. 8054
subextensum Waern 9406
Lithodesmium Ehr.
sp. sp. 706I
undulatum Ehr. 7956, 9I38, 922I, I2594, I2599
Litholepis Foslie
caspia Foslie I33I2, I33I3
Lithoperidinium Defl.
camaruense Defl. 8048-8049(o,p)
Lithophyllum Phillipi
sp. sp. 8479, 9823, 9824, I0582, II409(o), II4I0-II4I2, II420, II423
carpaticum Lemm. 7522
conocristatum Masl. 9950
okamurae Foslie 8054, I2064, I2I60
papillosum Zanard. II409(o), II4I2
- var. cystoseirae (Hauck) Foslie II409(o), II4I0, II4II
tumidulum Foslie 8054
ucrainicum Masl. I0584(o,p)
Lithosiphon Kjellm.
groenlandicus S.Lund 9I75
pusillus (Carm.) Harv. II383(o), II384
Lithothamnium Aresch.
sp. sp. 7522, 760I, 7636, 7942, 8058, 8060, 8073, 8280, 8479, 8590, 859I, 9026, 9I24, 9406, 94I8, 9420, 942I, 9823, 9869, I0058, I006I, I0II0, I03I6, I0582, II78I-II783, II833,

I2064, I235I, I2604, I2606, I2607, I2609, I2664, I3580
compactum (Kjellm.) Foslie I3708
densum Lemoine I03I6
foecundum Kjellm. 9I75
fornicatum Foslie 9026
fruticulosum (Kütz.) Foslie 8054
laeve (Strömf.) Foslie 9I75
lenormandii (Aresch.) Foslie 9I52
microcellulosum Masl. 7522
polymorphum (L.) Aresch. 8054, 8279, I3708
- f. sublaeve Foslie 9I52
- f. tuberculatum Foslie 9I52
scriferum Kjellm. 9I52
suhumii Masl. I03I6
tchernomoricum Masl. 7522, I03I6
Lithraphidites Defl.
sp. sp. I3472, I3473
carniolensis Defl. I0427(p), I0432-I0434
helicoideus Defl. I0428, I0433
serratus Schumenko I3473(o,p)
Lobatulus
petaloideus Schamr. I3300(p)
Lobomonas Dang.
sp. sp. I2327
denticulata Korsch. 800I, 9340, 980I, I0365, I3269, I327I, I3272, I3274, I3287, I3294
Lobulatus
oligosectus Schamr. 8472, I3298(p), I3300(p)
petaloideus Schamr. I3300(p)
Lochmiopsis Woronich.
sibirica Woronich. et Popova 7676, 7678, 7749, 84I6
Lohmannosphaera Schill.
adriatica Schill. 8763
subclausa Gran et Braar. 92I5, 9220
Lomentaria Lyngb.
clavellosa (Turn.) Gail 94II, 94I8, 9420, 942I
hakodatensis Yendo 7636, 7786(o,p), 805I, 8054, I2607, I3633
Longolithes Vischnevsky et Menjajlenko
sp. sp. 7976(o,p)
Lophosiphonia Falkenb.
obscura (Ag.) Falkenb. 9030(o), 903I, 9033(o,p), 94I8, 9420, II420, II42I, II423
reptabunda (Suhr) Kylin 890I, 94I8, 9420
subadunca (Kütz.) Falkenb. 8899, 942I, I0929
Lucianorhabdus Defl.
sp. sp. 8539
cayeuxii Defl. I0428(p), I0430, I0433
Ludlovia Korde
sp. sp. 9833
Lychnothamnites Masl.
narynensis Masl. I0602(o,p)
Lychnothamnus (Rupr.) Leonh.
sp. sp. 99I9
barbatus (Meyen) Leonh. 99I9, I2797, I3308, I3309, I3662, I3673, I3674

- f. costulatus Krassav. 9921(o,p), 9922
Lyngbya Ag.
sp. sp. 7080, 7181, 7225, 7351, 7383, 7588, 7753, 7984, 8038, 8301, 8605, 8725, 9087, 9104, 9120, 9214, 9289, 9292, 9337, 9490, 9492, 9499, 9559, 9647, 9648, 9656, 9732, 9749, 9765, 9768, 9959, 10008, 10113, 10129, 10154, 10243, 10245-10247, 10307, 10549, 10798, 10855, 10896, 11421, 11423, 11474, 11550, 11579, 11663(p), 11720, 11878, 11933, 12054, 12091, 12092, 12095, 12297, 12647, 12653, 12878, 12933, 12935-12939, 12944, 12945, 13008, 13120, 13121, 13269, 13271, 13274, 13292, 13293, 13312, 13384, 13387, 13507, 13631, 13641, 13666, 13736, 13750
aerugineo-coerulea (Kütz.) Gom. 8038, 8778(o), 9749(o,p), 10008, 10026, 10080, 11117, 11897, 12195, 12341, 12449, 13453, 13514, 13517(o), 13526, 13687
- f. major Elenk. 8038, 10220
aestuarii (Mert.) Liebm. 7187, 7983, 7988, 8000, 8001, 8035, 8510, 8645, 8907, 9123, 9124, 9263, 9648, 9649, 9652, 9666, 9668, 9694, 9749(o), 9751, 9761(o,p), 9768, 9771, 9801, 9959, 10026, 10149, 10150, 10153, 10218, 10220, 10280, 10644, 10798, 10919, 10955, 10956, 10973, 10975, 11113, 11117, 11135, 11138, 11183, 11190(o), 11206, 11207, 11264, 11442, 11537, 11753, 11755-11757, 11925, 11926, 11935, 12020, 12048-12051, 12090, 12092, 12094, 12195, 12239, 12244, 12650, 12656, 12680, 12710, 12810, 12937, 13196(o,p), 13442, 13455, 13499, 13504, 13508, 13511, 13514, 13515, 13517(o), 13519, 13520, 13522, 13524
- var. aestuarii 8776
- f. aestuarii Gom. 7802, 12939
- f. antarctica (Fritsch) Elenk. 7802, 9666, 10715, 11112, 11756, 13514, 13517-13519, 13522, 13524
- f. caucasica (Woronich.) Elenk. 13517
- f. major (Woronich.) Elenk. 8778(o), 13510
- f. minor (Woronich.) Elenk. 8777, 13517
amplivaginata Van Goor 8038, 9694, 10127, 10715, 11755, 11757, 12195, 12247, 12449
- f. hyalina Hollerb. 10968, 12195
arthrospirulina (Uterm.) Pasch. 10026
attenuata Fritsch 8778(o), 10129, 10956, 12195, 13514, 13518, 13519, 13525
bipunctata Lemm. 9694, 10026, 10080, 11537, 13631
birgei G.Sm. 7049, 8000, 8001, 9298, 9694, 9749(o), 10026, 10798, 12347, 12710, 13013, 13014
borodinii Kongiss. 7670
brevissima (Kütz.) Hansg. 10026
circumcreta G.S.West 8038
compressa Uterm. 8778(o), 11183, 11185
confervoides Ag. 8035, 8725, 8899, 9220, 9768, 10548, 10563(o), 10715, 11190(o), 11279, 11442, 11537, 11571, 11579, 13503, 13504, 13511, 13517(o)
contorta Lemm. 8038, 9289, 9568, 10026, 10080, 10131, 10132, 10133(o,p), 10220, 11039, 11537, 12092, 13008, 13589, 13631, 13640, 13642
cryptovaginata Schkorb. 7186, 7802, 7983, 7985, 7987-7989, 7993, 8000, 8001, 8486, 8555, 8660, 8777, 9801, 10026, 10270, 10271(o,p), 10956, 12689, 12699-12701
diguetii Gom. 10905
endophytica Elenk. et Hollerb. 8697, 8700, 9133-9135, 9289, 9932, 9938, 10866, 10968, 11451, 11452, 11455
epiphytica Hieron. 7181, 8038, 10026, 10955, 11190(o), 11866, 13012, 13453, 13519, 13687
- f. woronichiniana Elenk. 10026
fontana (Kütz.) Hansg. 10248, 11185, 13522
gardneri Setch. et Gardn. 11442
halophila Hansg. 7183, 10955, 13526
hartensiana Menegh. 10715
heterospiralis Obuch. 11192
hieronymusii Lemm. 7215, 7676, 7802, 7983, 7985, 7988, 7993, 8001, 9298, 9649, 9694, 9801, 9944, 10008, 10026, 10031, 10646, 10798, 11190(o), 12481(o), 12645, 12710, 13008, 13482, 13517(o)
holdenii Forti 11425(o,p)
hollerbachii Elenk. 9749(o)
holsatica Lemm. 10963
intermedia Gardn. 8890
jacutica L.Kiss. 8038, 9694, 10928
kossinskajae Elenk. 8038, 8725, 8859, 8874, 10026, 10148, 10150, 10548, 10956, 10959, 10973, 11753, 11756, 12710, 13013, 13269, 13503, 13511, 13517(o), 13519, 13522, 13524, 13526, 13529
kuetzingiana (Kütz.) Kirchn. 7986, 8038, 9617, 10715, 10963, 12049, 12195, 12810, 13526, 13699
kuetzingii (Kütz.) Schmidle 7181, 7184, 7186, 7187, 7983, 7985, 7989, 8000, 8001, 8035, 8038, 8859, 9666, 9694, 9801, 10026, 10080, 10151, 10218, 10242-10244, 10248, 10905, 10956, 11223, 11753, 11756, 11866, 12341, 12420, 13013, 13503, 13506, 13511, 13517, 13519, 13522, 13529, 13687
- f. kuetzingii 10220, 10247, 12420
- f. minor (Gardn.) Elenk. 10026
- f. typica (Kütz.) Elenk. 11184
- f. ucrainica (Schirsch.) Elenk. 7985, 7989, 7992, 8001, 8038, 8913, 9476, 10026, 10127, 10220, 11625, 11756, 11866, 12090, 12926, 13561, 13562, 13564, 13565
- f. woronichinii Elenk. 8001, 10220, 10248, 10548, 12645, 12650, 12654(o), 12656
lacustris Lemm. 10026, 10798
lagerheimii (Moeb.) Gom. 7248, 8778(o), 9024, 10026, 10080, 10956, 11757, 11866
- f. edaphica (Hollerb.) Elenk. 12195
limnetica Lemm. 7112, 7757, 7887, 8001, 8038, 8310, 8555, 8604, 8940, 8960, 9289, 9292, 9568, 9580, 9649, 9694, 9801, 10007, 10026, 10031, 10086, 10126, 10176, 10218, 10220, 10362, 10798, 10821, 10866, 10870, 10871, 10928, 10956, 10968, 11039, 11128, 11488, 11537, 11595, 11596, 11673, 11673, 11865, 11866, 11899, 11930, 11933, 12095, 12323, 12327, 12481(o), 12680, 12710, 12934-12936, 13010, 13012, 13013, 13499, 13506, 13517, 13522, 13524, 13529, 13530, 13547, 13589-13592, 13594-13595, 13631, 13641, 13642, 13644, 13679, 13689, 13747

- f. granulifera (Tschern.) V.Poljansk. 8304, 8307-8309, I0026
- f. limnetica 8304, I0008, I2420
lutea (Ag.) Gom. 8778(o), 8899, 8902, 9245, 9768, I0028(o), I0222, III90(o), I2800, I29I7, I32I4, I3522
major Menegh. 7983, 7992, 7993, 800I, 980I, 9959, I0026, I0968, I0975, IIII7, II866, I2I95, I30I2, I33I3, I35I7(o)
- f. slepnoi (Anissim.) Elenk. 800I, 8035
majuscula Harv. 7348, 7350, 8725, 8778(o), 9649, 965I, 9652, 9659, I0370, II442, I2090, I2092, I353I
margaretheana Schmid 7676, I07I5
margaritifera Menegh. I2393
martensiana Menegh. 7I64, 7I83, 7353, 800I, 80I6, 8038, 8890, 8899, 9024, 9I23, 9298, 9476, 9694, 9749(o), 980I, I0I48, I0I49, I0I53, I0644, I0956, I0968, I0975, III90(o), II866, I2090, I2092, I2I95, I248I(o), I2522, I2875, I2877, I3453, I35II, I35I4, I35I7(o), I35I8, I356I, I3562
- f. martensiana 8776, I2650
- f. minor (Gardn.) Elenk. I07I5
- f. minuta Melnik. I07I5
- f. tenuivaginata Gom. I3526
mucicola Lemm. I0026, I3008
nigra Ag. I07I5, I0968
nordgaardii Wille 7983, II756
perelegans Lemm. 969', I0968, II442
purpurascens Hansg. 7296
pusilla (Rabenh.) Hansg. I0026, I0963, I0968
putealis Mont. 8038, 975I, I0026, I02I8, I0220, I3524
rigidula (Kütz.) Hansg. I0026
rivulariarum Gom. I0026
salina Kütz. 7676, III90(o), I3499, I35I7(o)
saltaimica Skabitsch. 8038, 9I33, 9I34
scottii Fritsch 7225, 7754, I0026
- f. ucrainica Elenk. I0026, I3520
semiplena Ag. 760I, 8899, 9I23, 9220, 9768
spirulinoides Gom. 9749(o), 9959
splendens Tschern. I35I7(o)
stagnina Kütz. 9694, I0026, III90(o), II866, I28I0
thermalis (Kütz.) Rabenh. I07I5
truncicola Ghose 8890, 9749(o), 9959, I0I49, I35I7(o)
versicolor (Wartm.) Gom. 96I7, I0I26, I07I5, II720, I3453
woronichinii Ponomar. I0644

Lyramula Hanna
sp. sp. 8360
furcula Hanna 7824, 82I8, 8990, 9952(p), I0946, I2529, I2534
simplex Hanna 7824, 82I8, 9952(p), I0946, I2529

Maclaella Saltovsk.
sp. sp. I2I35(o)

Macrochloris Korsch.
dissecta Korsch. 7436, 7749, I0069, IIII7, I2I92, I2I94, I2I95, I2878, I3439, I3453

Macrocystis Ag.
sp. sp. 9I24, 9I56
pyrifera (L.) Ag. 8056, 9I65(o), II96I

Macroporella Pia
sp. sp. 9823, 9833

apachena J.H.Johns. 9827, 9828, 983I
dinarica Pia 983I

Maedlerisphaera H. af R.
ingenua Gluchovskaja 8374(o,p)
miranda Gluchovskaja 8374(o,p)
nobilis Gluchovskaja 8374(o,p)
primorskensis Masl. I0602(o,p)

Mallomonas Perty
sp. sp. 72I5, 7243, 7246(o), 8038, 8308, 83I3, 9I08, 9220, 9670, 9674, 9675, 9687, 9749(o,p), I0007, I0008, I0046, I0048, I0I72, I0I73, I0I75, I0I76, I022I, I082I, I0822, I0870, III83, III84, II595, II866, II88I, I2I75, I2327, I233I, I24I4, I24I6, I2478, I29I0, I2932, I2945, I3246, I3249, I327I, I358I, I363I, I37I6
acaroides Perty 8473, 8259, 8700, 89I7-89I9, 8927, 980I, I0077, I0079, I0080, I0082, I02I8, I0220, II45I, II452, II455, II864, II866, II88I, II933, II965, I30I3, I327I, I3583, I3594-I3595, I363I, I3642
caudata Iwan. 800I, 8700, 980I, 9932, I0006, I0008, I0077, I0080, I02I8, I0220, I0646, II45I, II455, II864, II866, II88I, I2049, I27I0, I2870, I30I4, I363I, I3736
charkowiensis Swir. 800I, 980I, I0077, I0080, I0082, I0II3, II488, I3504
coronata Boloch. 8700, 9687, 9932, II45I, II455
denticulata Matv. 800I, I0006, I0008
elegans Lemm. 800I, 980I, I0220, I3736
elongata Reverd. I0305, I0870, I3736
fastigata Zach. I0006, I327I
- var. fastigata I0008
fressenii Kent 8700, II45I
gracilis Matv. I0220
lilloënsis Conr. 92I5, 9220
litomesa Stokes 980I, I0080
longiseta Lemm. I0I3I, I3499, I35I7(o), I3526
producta Iwan. 980I, I0080, I0646, II88I, I27I0
- var. marchica Lemm. I082I
punctifera Korsch. 8700, I0646, II45I
radiata Conr. I02I8, I0220
tonsurata Teil. 980I, II864, II866, I2482, I3736
- var. alpina (Pasch. et Ruttn.) Kreig. 8700, II45I
- var. tonsurata 8700, II45I

Mallomonopsis Matv.
robusta Matv. 8804

Marenita Korde
bayankolica Korde 9833
kundatica Korde 9833

Marginariella Tandy
boryana A.Rich. 8056

Marinella Pfender
sp. sp. 9833

Marpolia Walcott
sp. sp. 7I53, 9828

Marssoniella Lemm.
elegans Lemm. 800I, 8038, 8700, 9289, 9687, 980I, I0363, I0366, II747, II866, II967, I2482, I3I27, I3246, I327I, I363I

- f. compacta (Popova) Hollerb. II866
- f. elegans 9500, I3274
Marthasterites Defl.
bramlettei Brönn. et Str. I3474
furcatus Defl. I0433
inconspicuus Defl. I0428, I0430, I0433, I3472
tribrachiatus Defl. 8538, I3475(o,p)
Martjanowskia Radczenko
baidajevae Radczenko 8478(o,p)
Maslovichara Said.
sp. sp. I2096
arguta Said. I0322, I2I08(o,p), I2II0
brevicula Said. I0322, I0323, I2I08(o,p), I2II0
compacta Said. I0322, I0323, I2I08(o,p), I2II0
crassa Said. I2I00(o,p), I2I06, I2I07
fragilis Said. 770I, 9575, 9577(p), 9578, I0320, I0322, I0323, I0893, I2096(p), I2I00(o,p), I2I06, I2I07, I2II0
gracilis Said. 770I, 9575, 9578, I0320, I0322, I0323, I0893, I2096(o,p), I2I00(o,p), I2I06, I2I07, I2II0, I2888
incerta Said. 770I, 9575, 9577(p), 9578, I0320-I0322, I0894, I2096(p), I2I00(o,p), I2I03, I2I06, I2I07, I2II0, I2888
lipatovae Said. I0323, I2I08(o,p), I2II0
manga Said. 770I, 9575, 9577(p), 9578, I0322, I0893, I0894, I2096(p), I2I00(o,p), I2I03, I2I06, I2II0, I2888
rotunda Said. 9575, 9578, 9579, I2096(p), I2I00(o,p), I2I03, I2I06, I2I07, I2888
sokolovii Said. I2I02, I2I03, I2I05(o,p), I2I06, I2II0, I2II2, I2888
Massartia Conr.
rotundata (Lohm.) Schill. 8763, 9220, I0892
vorticella (Stein) Schill. 9220
Mastigocladus Cohn ex Kirchn.
sp. sp. 9299, 930I, I343I, I35I8
laminosus Cohn 8473, I0028(o), III40, II924, II925, I202I, I2244, I2800, I3433, I3522
- f. major (Tild.) Elenk. 9285, II926, I3435
Mastocarpus Kütz.
ochotensis (Rupr.) Makijenko I0483
unalaschcensis (Rupr.) Makijenko I0483
Mastogloia Thw.
sp. sp. 8254, 8365, I0I02, I0546, I0549, II083, I2223
angulata Lewis 9456-9459, I0I02
apiculata W.Sm. I0I02, I3527
baltica Grun. 9459, 9460(o), I0548, II694, I27I0, I3499, I35II, I35I7(o), I3524, I363I, I3668
braunii Grun. 8034, 8725, 8739, 9444, 9445, 9456, 9459, 9649, I0080, I0I02, I0548, III94(o), II537, II694, I3499, I3506, I35I7(o), I3524, I3527, I353I, I3645, I3668
- var. arguens Pr.-Lavr. II806(o,p)
- var. braunii 9457
ceiskeiensis Giffen II085
dansei Thw. 9298
difficilis Meist. II085
elliptica (Ag.) Cl. 762I, 7975, 7983, 7984, 8738, 878I, 9356, 9360, 9649, 9694, I0548, II694, I27I0, I2938, I35I7(o), I3524, I3668
- var. dansei (Thw.) Cl. 7975, 8976, 9360, 9444, 9445, 9649, 9694, I2938, I35I7(o), I3758(o,p)
- var. elliptica 9457, 9459, III94(o)
entolcia Cl. 9720
exigua Lewis 8738, 9242, 9449, 980I, III94(o), I35I7(o), I3526, I3668(p)
- var. exigua 9457, II442
grevillei W.Sm. 878I, 8782, 9057, 9444, 9445, 9694, II694, I35I7(o), I3668
labuensis Cl. 9456, 9458, 9459
lanceolata Thw. 8253, 8254, 9242, 9649, 965I, I0548, II694, I3398(o), I35I7(o), I3668
- var. lanceolata 9457
latericia (A.S.) Cl. 8368(o,p), 8370
paradoxa Grun. 9456-9458
pumila (Grun.) Cl. 7983, 8000, 8034, 8738, 878I, 8976, 9242, 9444, 9445, 9456, 9649, 9972, I0548, II279, II537, II57I, II578, II579, II694, I27I0, I35I7(o), I3524, I3668
- var. pumila 9457(p), 9463
pusilla (Grun.) Cl. 9459, 9649
- var. pusilla 9457, 9459, II085
- var. subcapitata Hust. II085
rostrata (Wall.) Hust. I20I9
rutilans Brun 8364, 8368(o,p), 8370
schmidtii Heid. II085
smithii Thw. 7222, 8034, 8782, 8976, 9057, 9458, 9972, I0548, I0955, I0975, II693, II695, I2095, I27I0, I2938, I3249, I3499, I3503, I3504, I35I7(o), I3524, I3526, I3527, I3645, I3646, I3668
- var. amphicephala Grun. 7I87, 8725, 878I, 8782, 897I, 9298, 9444, 9445, 9648, 9666, 9694, I0548, I0955, I0975, III94(o), II693-II695, I2095, I2938, I3009, I30I0, I3206, I35I7(o), I3522, I3524, I3645, I3668
- var. lacustris Grun. 8738, 8782, 9057, 9242, 9356-9358, 9362, 9456, 9457, 9459, 9463, 9694, 980I, I0548, I0939, I0975, III94(o), II693-II695, I3I68, I3206, I3354, I3499, I35I7(o), I3522, I3524, I363I(p), I3646, I3647, I3668
- var. smithii 9456-9459, 9463, 972I, I0I02, III94(o), II694, II695
splendida (Greg.) Cl. 8365
Mastopora Eichwald
sp. sp. 8376, 8378, 9823, 9824, 9833
Mediaria Sheshuk.
splendida Sheshuk. I3355(o,p), I3358, I3362
Mejerella Korde
sp. sp. 9823, 9828, 9832, 9833
ramosa Korde 982I(o,p)
Melobesia Lamour.
sp. sp. 8056, 8438, 8479, 942I, I0475, I23I8, I2604
badjii Masl. I0584(o,p), I2I90(o)
cystoseirae Hauck 8899, I0929
farinosa Lamour. 8054, 8899, 890I, 94I8, 9420, II573, I2607
lejolisii Rosan. 94I8, 9420

minutula Foslie 9418, 9420
zostericola Foslie 7636, I3029
Melosira Ag.
sp. sp. 7040, 7061, 7173, 7287, 7295, 7397, 7398, 7461, 7506, 7626, 7628, 7685, 7732, 7777, 7828, 7866, 7984, 8038, 8073, 8099, 8228, 8254, 8304, 8319, 8422, 8436, 8447, 8452(p), 8488, 8524, 8529, 8636, 8713, 8725, 8737, 8738, 8749, 8750, 8833, 8858, 8877, 8945, 9104, 9106, 9108, 9149, 9200, 9204, 9251, 9257, 9258, 9289, 9320, 9340, 9386, 9390, 9501, 9571, 9572, 9580, 9677, 9683, 9698, 9700, 9752, 9757, 9881, 9883, 9941, 9943, 9965, 9971, 9991, 10104, 10106, 10217, 10244, 10276, 10280, 10306, 10367, 10384(o,p), 10420, 10455, 10538, 10566, 10576, 10690, 10742, 10756, 10821, 10822, 10845, 10875, 10899, 10939, 11034, 11073, 11077, 11078, 11083, 11198, 11215, 11329, 11406, 11456, 11557, 11571, 11583, 11587, 11663(p), 11671, 11676, 11677, 11684, 11685, 11794, 11871, 11994, 12035, 12037, 12095, 12133, 12134, 12153, 12155, 12171, 12236, 12245, 12320, 12323, 12327, 12331, 12333, 12336, 12342, 12344, 12377, 12400, 12408, 12416, 12477, 12485, 12534, 12544, 12597, 12617, 12669, 12673, 12747, 12771, 12899, 12993, 13008, 13063, 13065, 13102, 13143, 13201, 13267, 13271, 13272, 13274, 13283, 13287, 13371, 13373, 13393, 13404, 13497, 13593, 13625, 13644, 13717, 13724
aculeifera Sheshuk. 13365, 13366(o,p)
albicans Sheshuk. 9721(p), 13353(p), 13357(o,p), 13358, 13362
ambigua (Grun.) O.Müll. 7054, 7287, 7462, 7507, 7806, 7848, 7973, 7975, 8001, 8039, 8253, 8310, 8422, 8687, 8691, 8694, 8700, 8781, 8782, 8895, 8896, 8976, 9029, 9053, 9057, 9108, 9252, 9360, 9568, 9580, 9717(p), 9748(o,p), 10008, 10046, 10077, 10079, 10080, 10082, 10099, 10202, 10218, 10220, 10939, 10956, 11035, 11077, 11128, 11129, 11131, 11455, 11457, 11693-11695, 11866, 12125, 12217, 12323(o), 12324, 12327, 12331, 12336, 12341, 12419, 13163, 13168, 13197, 13198, 13200, 13201, 13353, 13354, 13373, 13499, 13514, 13517(o), 13524, 13426, 13631, 13668, 13704, 13706
- f. altaica Skabitsch. 12330(o,p)
- f. ambigua 12330(p), 12333
- f. curvata Skabitsch. 8038, 13062(o,p), 13169, 13171
- f. spiroides Chalfina 13062(o,p)
antarctica V.H. 9000
antiqua Moiss. 8988, 11559
archangelskiana (Pant.) Streln. 12529
architecturalis Brun 8149, 8364(p), 8365, 8370(p), 13171, 13362
arctica (Ehr.) Dickie 7490, 7497, 7530, 7532, 8523, 8780, 8981(p), 9002, 9124, 10080, 10201, 11087-11089, 11168, 11424, 11997, 12004, 12228, 12891, 12892, 13353(p), 13645
arenaria Moore 7054, 7131, 7132, 7142, 7973-7975, 7988, 8207, 8423, 8691, 8694, 8738, 8739, 8781, 8782, 8942, 8976, 9220, 9356-9358, 9360, 9444, 9568, 9717, 9810, 9838, 10099, 10101, 10102, 10218, 10220, 10646, 10931, 11694, 11866, 12710, 13066, 13161, 13168, 13171, 13206, 13354, 13645-13648, 13756(o,p), 13758(o,p)
- var. baikalensis Skv. 13756(o,p)
- - f. ornata Skv. 13756(o,p)

- - f. punctata Skv. 13756(o,p)
areolata Moiss. 8988, 10899-10904
atlymica Rub. 8799, 9379, 10310, 12034(o,p), 12035, 12037, 12038
baicalensis (C.Meyer) Wisl. 7132, 7135, 7241-7243, 7246, 7252, 7253, 7799, 8184, 8185, 8193, 8196, 8198-8202, 8895, 8896, 8976, 9670(p), 9671-9674, 9679, 9687, 10877, 11094, 11672, 11673, 11675, 11679, 11680, 11689(o,p), 12142, 12320, 12910, 13169, 13170, 13201, 13354, 13489, 13756(o,p)
- f. baicalensis 11689
- f. compacta Skv. 11689, 13756(o,p)
- f. oblongopunctata Skv. et C.Meyer 7135, 11689, 13169, 13201, 13756(o,p)
- f. typica Skv. 13756(o,p)
bescheulica Rub. 8799, 9379, 10310
binderana Kütz. 7241-7243, 7246, 7507, 7757, 7758, 8202, 8679, 8940, 8976, 9242, 9274, 9288, 9580, 9894, 9959, 10008, 10080, 10218, 10220, 10221, 10247, 10280, 10463, 10690, 10875, 10878, 11673, 11675, 11679, 11680, 11694, 11729-11731, 11735, 11840, 11881, 11899, 12563, 12710, 12897, 13249, 13354, 13488, 13489, 13679, 13689, 13699, 13756(o,p)
borreri Grev. 9124, 13645
circularis Ralfs 13008
clavigera Grun. 8981, 8990, 9952, 11334, 12039, 13216, 13707
cretacea Jousé 8218, 8219, 9952, 12529, 12534, 12536
deblockii V.H. 9000, 9703, 9705
distans (Ehr.) Kütz. 7287, 7700, 7973, 7975, 7992, 7994, 8001, 8038, 8181, 8249, 8422, 8521, 8555, 8691, 8738, 8781, 8896, 8988, 9057, 9059, 9220, 9257, 9352, 9568, 9581, 9648, 9748(o), 9873, 9874, 9932, 10046, 10080, 10198, 10201, 10218, 10362, 10363, 10368, 10646, 10939, 10955, 11168, 11424, 11529, 11530, 11537, 11594, 11672, 11693, 11695, 11696(o,p), 11737, 11739, 11842, 11866, 11881, 11966, 11967, 12121, 12125, 12320, 12405, 12560, 12710, 13127, 13162-13164, 13168, 13354, 13373, 13631, 13659, 13668, 13679
- var. africana O.Müll. 13168
- subsp. alpigena (Grun.) Skabitsch. 7597, 8688, 8784, 9501, 10007, 11458, 11673-11675, 12327, 12331, 12333, 12336
- var. alpigena Grun. 7054, 7130, 7137, 7287, 7467, 7470, 7489, 7671, 7973, 7992, 8038, 8181, 8202, 8247, 8422, 8685-8687, 8690-8692, 8694, 8697-8700, 8738, 8888, 8896, 8988, 9108, 9447(o), 10006, 10008, 10046, 10198, 10201, 10309, 10955, 11424, 11452, 11455, 11457, 11693-11695, 11730, 12217, 12405, 12419, 12501, 13164, 13354, 13631, 13668
- var. distans 8691, 8698, 8700(p), 9447(o), 10008, 10468, 11451, 11455, 11694, 13274
- var. lyrata (Ehr.) Bethge 7700, 7974, 8181, 8422, 9289, 10866, 13163, 13631(p)
- - f. lacustris (Grunl) Bethge 7973, 11694
- - f. lyrata 11694
- - f. seriata (O.Müll.) Hust. 10280, 11694
- morpha lyrata (Ehr.) Skabitsch. 7254
- var. pfaffiana (Reinsch) Grun. 11694, 13354, 13631(p)
- f. seriata (O.Müll.) Hust. 8038
dougetii Manguin 9000

dubia Kütz. 9220, I2004
fausta A.S. 8364(p), 8365, 8370(p), I3064, I330I
fennoscandica Cl. II3II
frigida Jousé 8979, 898I(p)
goretzkyi Tscher. 8365, 8370
granulata (Ehr.) Ralfs 7054, 7I02-7I04, 7I32, 7I35, 7I39, 7I42, 72I5-72I8, 7220, 7227, 7243, 7246, 7247, 7249-7252, 7296, 7467, 7469, 7489, 7490, 7530, 753I, 7596, 762I, 7757, 7758, 783I, 792I, 7922, 7925, 7928, 793I, 7934, 7973, 7975, 7989, 7993, 7994, 800I, 8038, 8I06, 8I45-8I47, 8202, 8247, 8258, 8263, 8264, 830I, 83I0, 852I, 8553-8557, 8559-856I, 8676, 8679, 8687, 869I, 8694, 87I8, 8738, 8739, 878I, 8804, 8859, 8873, 8874, 8904, 8905, 8907, 89I3, 89I4, 89I7, 89I8, 8923, 8924, 8942, 896I, 8976, 898I, 8988, 9009, 90I0, 90I8(o), 90I9, 902I, 9057, 9059, 9060, 9I04, 9I08, 9I24, 9I35, 9200, 92II, 92I3, 92I4, 92I9, 9220, 9223, 9234, 9252, 9289, 9298, 9308, 9340, 9352, 9360, 9438, 9439, 944I, 9444, 9445, 9498(o), 9499, 9568, 9580, 9649, 965I, 9687, 9699, 97I7(p), 9748(o), 9749(o), 9755, 980I, 98I0, 98I9, 9820, 9838, 9882, 9944, I0006, I0007, I0039-I004I, I0047, I0077, I0079, I0080, I0082, I0086, I0090, I0099, I0I05, I0II3, I0I30-I0I33, I0I69, I020I, I0202, I022I, I023I, I024I, I0242, I0245, I0246, I0276, I0279, I0280, I0292, I0362, I0368, I0379, I0380, I0396, I045I, I0646, I0665, I0690, I0800, I082I, I0822, I0905, I0939, I0956, I0959, I0975, I0996, II035, II039, II073, III29, III30, III33, II223, II225, II3II, II424, II486, II488, II530, II537, II545-II547, II663(p), II670, II672-II674, II680, II689, II693, II695, II696(o,p), II697, II7I2, II729, II730, II737, II739, II842, II860, II864, II866, II930, II932, II933, II945, II965-II967, I2004, I2052, I2I2I, I2I22, I2I25, I2I28, I2I29, I2I89, I2323, I2327, I233I, I234I, I2347, I2369, I2383, I2405, I24I4-I24I7, I24I9, I242I, I2505, I25I5, I2563, I2575-I2577, I2580, I258I, I2630, I27I0, I276I, I2762, I2863, I2870, I2927, I2932, I30I2, I30I5, I3027, I3056, I3059, I306I, I3I20, I3I26, I3I27, I3I29, I3I48, I3I62, I3I64, I3I68, I3I7I, I3I77, I3I78, I3I97, I3I98, I320I, I3246, I3249, I3266, I3268, I3269, I3287, I3288, I3295, I3343, I3353, I3354, I3373, I339I, I34I2, I3444, I3447, I3488, I3504, I3506, I35I5, I35I7, I3520, I3524, I3526, I3527, I3576, I3583, I3590-I3592, I3594-I3595, I363I(p), I364I, I3642, I3648, I3659, I3668, I3679, I3699, I373I, I3736, I3747, I3758(o,p)
- subsp. angustissima (O.Müll.) Skabitsch. I0007, I0082, I2323, I2324, I2327, I233I, I2336, I3I64, I363I
- var. angustissima (O.Müll.) Hust. 7058, 7I04, 7I35, 7I42, 72I8-7220, 7243, 7250, 7252, 7348, 7350, 7353-7355, 7462, 7469, 7489, 783I, 792I-7923, 7973, 7989, 7993, 7994, 800I, 8038, 8095, 8I06, 8I97, 830I, 8308, 8405, 8422, 852I, 8555-8557, 87I0, 87I3, 8738, 8859, 89I4, 89I7-89I9, 8927, 8928, 898I, 9057, 9I08, 92I3, 92I4, 9220, 9227, 9252, 9289, 9292, 9447(o), 9568, 9580, 9648, 9649, 965I, 9666-9668, 9675, 9678, 9686, 9687, 97I7, 972I, 9748(o), 9755, 980I, 9932, 9938, I0006, I0039-I004I, I0044, I0046, I0047, I0074, I0077, I0079, I0080, I02I8, I0220, I024I, I0243, I0245,

I0246, I0463, I0646, I0870, II530, II672, II673, II693-II695, II739, II860, II864, II866, II88I, II933, II966, II967, I2347, I24I4-I24I6, I24I9, I242I, I2478, I2482, I276I, I2762, I2927, I30I2, I30I3, I3027, I3I27, I3I68, I3200, I3246, I3247, I3249, I3250, I3266, I3270-I3272, I3274, I3275, I3279, I3283, I3290, I3354, I3365, I3373, I3499 I35I7(o), I3520, I3530, I3583, I3668, I3699, I3736, I3746
- - f. angustissima I0008
- - f. curvata O.Müll. 8038, I0008, II866, I3246, I3249, I3668
- var. curvata (Grun.) Hust. 92I5, 9220
- f. curvata (Grun.) Hust. 869I, 9580, 980I, I0008, I0939, II694, I2892, I30I4
- var. granulata 7054, 7I04, 7348, 7350, 7353-7355, 7462, 7470, 7806, 8308, 8423, 8685, 8686, 8690, 869I, 8700(p), 8908, 89I0, 9I35, 92I0, 972I, 9932, 9938, I0044, I0046, I02I8, I0220, I0243, I0245-I0247, I0283, I0463, III28, III94(o), II45I, II455, II695, I22I7, I2336, I2482, I2578, I3200, I3270-I3272, I3274, I3283, I3290
- - f. granulata II675, II694
- f. granulata I0008, I2333
- f. miocenica I3I70
- var. muzzanensis (Meist.) Hust. 8038, 8923, 8926, I0008, I0220, II689, II694, I3668
- var. tenuissima Forti 9755
hummuloides (Dillw.) Ag. I020I
hyperborea Schütt 9I24
ignota Rub. I2034(o,p), I2037
islandica O.Müll. 7096, 7I03, 7I42, 724I-7243, 7246, 7286, 7497, 7597, 762I, 783I, 7966, 8I96, 8I99, 8200, 8202, 8249, 8422, 8432, 8676, 869I, 8738, 8784, 8940, 8976, 9058, 9I24, 9220, 9274, 9352, 9356, 9357, 9393, 9444, 9568, 9649, 965I, 967I, 9684, 980I, 997I, I0006, I0007, I0I02, I0II3, I0I30-I0I32, I0I48, I020I, I0384, I0928, I093I, I0939, II094, III68, II488, II529, II660, II673, II675, II679, II680, II729-II73I, II866, II88I, II997, I2004, I2052, I2I42, I234I, I2485, I2563, I29I0, I3I20, I3I27, I3I44, I3I68, I320I, I364I, I3642, I3646, I3647, I3707
- f. curvata O.Müll. 7I42, 7530, 9447(o), I0468, II88I, I2584, I3009, I3I69, I3707
- subsp. helvetica O.Müll. 7053, 7054, 7I04, 7287, 7507, 7973-7975, 8I82, 8253, 830I, 8306-8308, 83I3, 83I6, 83I7, 8405, 8423, 8473, 8685-8688, 8690-8692, 8694, 8696-8699, 8700(p), 8738, 8739, 878I, 8782, 8784, 8830, 897I, 8973, 898I, 8988, 9057, 9I95, 9353, 9357, 9362, 9568, 9670(o,p), 9672-9675, 9678, 9679, 968I, 9686, 9687, 9690, 9873, 9874, 9932, 9938, I0008, I0077, I0079, I0080, I0082, I0099, I0I98, I0202, I02I8, I0220, I022I, I0543, I0665, I0864, I0866, I0878, I0939, II068, III26, II45I, II452, II454, II455, II457, II458, II486, II672, II694, II879, II899, I2052, I22I5, I22I7, I2405, I27I0, I2892, I2899, I3009, I30I0, I30I4, I3I64, I3I68, I320I, I3206, I3353, I3354, I3488, I3642, I3645, I3646, I3654, I3668, I3689, I3724
- var. helvetica O.Müll. 980I, I004I, II222, I327I

- var. islandica 8301
- f. islandica 10008
- subsp. vaenernsis A.Cl. 8691, 8700(p), 11451, 11452, 11455, 12150
- var. vaenernsis A.Cl. 7054, 7973
italica (Ehr.) Kütz. 7054, 7105, 7132, 7135, 7139, 7142, 7215, 7250, 7287, 7467, 7469, 7489, 7492, 7507, 7520, 7530, 7620, 7700, 7757, 7758, 7829, 7831, 7922, 7973, 7975, 7989, 7993, 7994, 8001, 8038, 8106, 8146, 8147, 8181, 8202, 8258, 8264, 8301, 8308, 8445, 8447, 8450, 8554-8557, 8603, 8604, 8676, 8691, 8692, 8694, 8737, 8738, 8781, 8830, 8859, 8874, 8896, 8940, 8942, 8960, 8988, 8981, 9024, 9057, 9059, 9060, 9078, 9124, 9211, 9213, 9214, 9220, 9223, 9274, 9288, 9289, 9357, 9360-9362, 9447(o), 9496, 9568, 9580, 9625, 9648, 9649, 9664, 9666-9668, 9694, 9755, 9801, 9819, 9882, 9894, 9943, 9971, 10006, 10007, 10041, 10046, 10077, 10080, 10082, 10090, 10099, 10105, 10107, 10113, 10201, 10202, 10245, 10305, 10362-10366, 10368, 10396, 10532, 10690, 10821, 10870, 10871, 10876, 10902, 10928, 10939, 10956, 11130, 11168, 11358, 11529, 11530, 11594, 11672-11674, 11683, 11729-11731, 11737, 11739, 11840, 11842, 11860, 11864, 11866, 11879, 11881, 11933, 11965, 11967, 12037, 12093, 12121, 12124, 12127, 12320, 12323, 12330, 12336, 12347, 12363, 12405, 12560-12561, 12563, 12584, 12710, 12808, 13012, 13027, 13120, 13124, 13127, 13163, 13164, 13168, 13171, 13177, 13178, 13200, 13245, 13249, 13354, 13365, 13373, 13444, 13447, 13488, 13537, 13583, 13590, 13642, 13646, 13659, 13668, 13699, 13724, 13731
- var. arctica 8981
- subsp. crenulata (Ehr.) Skabitsch. 12333(o,p)
- f. curvata (Pant.) Hust. 9289, 10008, 13171, 13668
- subsp. italica var. italica 11675
- var. italica 7054, 7470, 8686, 8687, 8690, 8691, 8694, 8697, 8698, 8700(p), 9210, 9721, 9932, 9938, 10900, 10901, 10903, 10904, 11128, 11455, 13271, 13272
- - f. curvata Pant. 10220, 11694
- f. italica 10008, 11694
- f. miocenica Jousé 11559, 13170
- var. semilaevis Grun. 13366(o,p)
- subsp. subarctica O.Müll. 7132, 7135, 7137, 7142, 7254, 7531, 7973, 8422, 8535-8687, 8690, 8691, 8694, 8698, 8700(p), 8981, 8988, 9059, 9108, 9568, 9932, 9955, 10201, 10218, 10220, 10309, 10900, 10902-10904, 11451, 11452, 11455, 11529, 11694, 11899, 12217, 12331, 12336, 13164, 13668
- - f. curvata Hust. 10008, 13668
- - f. subarctica 10008
- var. subarctica O.Müll. 8981, 9058, 9715, 11424, 11910, 12405
- var. tenuissima (Grun.) O.Müll. 7054, 7250, 7973, 7992-7994, 8001, 8301, 8423, 8555-8557, 8685-8687, 8691, 8700(p), 8738, 8859, 9057, 9213, 9220, 9227, 9242, 9289, 9449, 9568, 9580, 9667, 9748(o), 9932, 9938, 10006-10008, 10218, 10220, 10245, 10305, 10362, 11455, 11457, 11694, 11730, 11860, 11864, 11866, 11966, 11967, 12217, 12347, 12560-12561, 12563, 12892, 13013, 13120, 13127, 13168, 13249, 13271, 13274, 13275, 13354, 13373, 13488, 13526, 13668

- - f. curvata Hust. 8301
- f. tenuissima (Grun.) O.Müll. 9959, 12336
- var. valida (Grun.) Hust. 7135, 7137, 7973, 7975, 8422, 8738, 8981, 9059, 9204, 9819, 9932, 10008, 10201, 10202, 10218, 10220, 10305, 11529, 11530, 11694, 11899, 12405, 13354, 13668
jouseana Moiss. 8988, 8895, 8896, 10899-10904, 12038
jurgensii Ag. 7490, 7983, 8738, 8976, 9220, 9580, 10201, 11537, 12710, 13353, 13354, 13645
- var. subangularis Grun. 7973, 8781, 9220, 10280
lyrata (Ehr.) Kütz. 11311, 13679
- var. lacustris Grun. 11311
miocenica Tscher. 8799, 9379, 10310, 10332, 11559, 12331, 13167, 13171
moniliformis (O.Müll.) Ag. 7061, 7490, 8034, 8211, 8254, 8444, 8531, 8738, 8781, 8976, 9018(o), 9029, 9085, 9214, 9220, 9242, 9357, 9367, 9747, 9787, 9790, 10092, 10101, 10135-10137, 10142, 10144, 10145, 10147, 10208, 10209, 10222, 10379, 10380, 10546, 10548, 10772, 10803, 10808, 10810, 10814, 10816-10818, 11168, 11176, 11279, 11537, 11572*, 11578, 11579, 11910, 11994, 12004, 12150, 12861, 13051, 13052, 13206, 13249, 13645
- var. hispida Castr. 8738, 8973, 9220, 13706, 13724
- var. moniliformis 7353, 9721, 11083, 11085, 12710
- var. octogona Grun. 7353-7355, 8738, 9220, 9459, 10548
- var. subglobosa Grun. 7164, 7348, 7350, 7351, 7353-7355, 8444, 8531, 9220, 9456-9459, 10017(o), 10135, 10136, 10147, 10479(o), 10548, 10803, 12710, 13249
- var. subsalina Grun. 11537
nummuloides (Dillw.) Ag. 7490, 7983, 8000, 8738, 9204, 9220, 9242, 9810, 10417, 11537, 12004, 12956, 13249
oamaruensis Gr. et St. 8149, 8364(p), 8365, 8370(p)
ocellata Rub. 10310
ornata Grun. 7139, 7287, 7492, 7497, 7502, 8110, 8219, 8364, 8365, 8370, 8451, 8738, 9952, 10384, 10683, 10939, 11311, 11334, 12039, 12150, 12534, 12536, 13369, 13566, 13707
polaris Grun. 7287, 8364, 8365, 8370, 9721, 9873, 9874, 11311, 11334, 13353, 13358, 13362
praebaicalensis Tscher. 13167
praedistans [(Ehr.) Kütz.] Jousé 8422, 8799, 8895, 8896, 8988, 9312, 9379, 9952(p), 10201, 10412, 10414, 10899-10902, 10904, 12035, 12037, 12038, 13170
- f. curvata Moiss. 8293, 8799, 9379, 10310, 10412, 10414, 10902, 13170
- f. praedistans 8293, 10414, 10902, 10903
- f. seriata Moiss. 8293, 10412, 10414, 10902
praegranulata Jousé 7287, 8293, 9312, 9379, 9952(p), 10201, 10412, 10414, 10899-10904, 12035, 12037, 12038, 13167, 13170, 13171
- var. cribrosa Rub. 12038
- f. curvata Jousé 8988, 9952(p), 10902
- f. praegranulata 10902
praeislandica O.Müll. 7130, 7287, 7489, 8095, 8422, 8451, 8799, 8895, 8896, 8988, 9352, 9379, 9952(p), 10201, 10310, 10371,

I04I2, I04I4, I0899-I0904, I0939, II559, I2035, I2037, I2038, I3I67, I3I70, I3353, I3707
- f. curta (O.Müll.) Jousé 8293, 8422, 8799, 8895, 8896, 8988, 9379, 9952(p), I020I, I03I0, I04I2, I04I4, II559, I3I70, I3353
- f. praeislandica 8293, I04I4, I0902
- robusta Tscher. 8896, I3I70
praetermissa Nik. II080(o,p)
praeundulata Tscher. I3I67
recedens A.S. 9952, II696(o)
roeseana Rabenh. 7I3I, 7I42, 7973, 8432, 8976, 9444, 9445, 972I, I2324, I3706, I3759(o,p)
- var. asiatica Skv. I3759(o,p)
- var. epidendron Grun. I3759(o,p)
scabrosa Östr. 7054, 7I30, 7I3I, 7I35, 7I42, 7287, 7489, 7490, 7492, 7973, 7975, 8095, 8I8I, 8207, 8422, 8423, 869I, 8895, 8896, 8700, 8738, 878I, 8972, 8976, 8988, 9353, 97I7, I0I98, I020I, I0202, I0543, I0683, I0900-I0903, I0939, II3II, II424, II559, II688, II9I0, I2035, I2037, I2I89, I2329, I2899, I3066, I3I63, I3I67, I3I69, I3I70, I3206, I3354, I3648, I3724
selecta A.S. 7I30, 7I32, 7I37, 8364(p), 8365, 8370(p), I020I, I3369
sibirica Skabitsch. I0008, I232I(o,p), I234I
sol (Ehr.) Kütz. 7829, 8246, 8432, 8738, 898I(p), 9720, I3I7I, I330I, I3363
sulcata (Ehr.) Kütz. 7I30, 7I39, 7287, 7492, 7494, 7497, 7502, 7530-7532, 7597, 7826, 7829, 7973, 7975, 8038, 8II0, 8I48, 8I82, 82I9, 8253, 8254, 8364, 8365, 8422, 8432, 8737, 8738, 8780, 878I, 8976, 898I(p), 8992, 8995, 8999, 9000, 9002, 9029, 9052, 9087, 9I95, 9204, 9220, 9353, 9357, 95I2, 9568, 9705, 97II, 9715, 9720, 98I0, 98I9, 9873, 990I, 9952, I00I7(o), I0I84, I0I98, I037I, I0382, I0384(p), I0385, I0388, I039I, I0532, I0683, I0803, I0846, I0980, III68, II3II, II424, II537, II696(o), II9I0, I2039, I2I53, I22I2, I22I3, I233I, I2336, I2534, I2536, I2820, I2892, I2899, I3064(p), I3095, I3I60-I3I63, I3I65, I3I7I, I3249, I3353, I3354, I3369, I3478, I3495, I3645, I3706, I3707, I3724, I375I
- f. antiqua Kütz. 7597
- var. biseriata Grun. 7287, 7502, 7973, 8II0, 8254, 845I, 8738, 878I, 896I, 8972, 9029, 9873, 9874, 9952(p), I0384, I039I, I04I4, I0939, II3II, II334, I2I50, I3I60, I3I62, I3353(p), I3358, I3495, I3706, I3707
- var. coronata Grun. 8738
- f. coronata Grun. I3363
- var. crenulata Grun. 7287, 7502, 7973, 8364, 8370, 845I, 8738, 878I, 8782, 9029, 97I3, 9720, 990I, 9952, I0683, I0939, II067, II3II, II334, I2I50, I2529, I3064, I3369, I3707
- f. radiata Grun. 7597, I3I62
- f. radiolata Grun. 9029
- var. siberica Grun. 7I39, 7287, 7489, 7502, 7699, 7824, 7826, 8I49, 8364(p), 8370, 845I, 8738, 8743, 9352, 990I, 9952(p), I0683, I0939, II067, II3II, II334, I2039, I3I60, I3I62, I3I63, I3353, I3369, I3566, I3707

- var. sulcata 8364(p), 8370, 9720, 972I, 9873, 9874, I0I02, I04I4, I0939, II334, I2529, I3358, I3362
timensis Sheshuk. I3365
tricostata Gles. 8366(o,p), 8370
undulata (Ehr.) Kütz. 7287, 7973, 8422, 8896, 8988, 9357, 98I0, 9932, 9952(p), I0902, I0904, I0955, II455, II694, II866, I2035, I2037, I3I63, I3I69, I3365, I3654
- var. normannii Arn. 8896, 9749(o)
- var. undulata I0900-I0903
varians Ag. 7054, 7I32, 7I55, 7I8I, 7I84-7I86, 72I5, 7250, 7297, 7355, 738I, 7383, 7467, 7469, 7588, 762I, 7922, 7983, 7988, 7989, 7993, 8000, 800I, 8038, 8I06, 8I47, 8249, 8259, 8266, 8300, 8308, 8309, 83II, 837I, 8445, 8447, 8450, 852I, 8555, 869I, 8700, 87I8, 8737, 8738, 8822, 8823, 8859, 89I4, 8940, 8942, 8953, 898I, 90I0, 90I2, 9053, 9059, 9060, 9078, 9I08, 92I4, 9220, 9242, 9252, 9289, 9292, 9297, 9324, 9444, 9445, 9457, 9476, 9568, 9580, 9687, 9748(o), 9749(o), 980I, 9894, 9932, 9938, 9959, I0006-I0008, I0039, I004I, I0044, I0046, I0047, I0074, I0077, I0079, I0080, I0087, I0II3, I0I29, I0I53, I020I, I02I8, I0220, I024I-I0243, I0245-I0248, I0280, I0362, I0463, I0646, I0732, I0733, I0798, I0869-I087I, I0876, I0878, I0905, I0955, I0956, I0997, III90(o), III94(o), II223, II229, II274, II455, II486, II537, II579, II625, II653, II654, II663(p), II670, II672, II673, II694, II695, II697, II730, II737, II866, II88I, II883, II904, II930, II932, II935, II965, II967, I2052, I2I2I, I2320, I2323, I2324, I2327, I233I, I2333, I2336, I2346, I2347, I2369, I2383, I24I4, I24I6, I2420, I2478, I2482, I27I0, I2892, I2897, I2905, I2906, I29I0, I30I2-I30I4, I3027, I3059, I306I, I3I27, I3I43, I3I78, I3I89, I3I98, I3200, I32I7, I32I9, I3246, I3249, I3269, I327I, I3274, I3283, I3294, I3370, I3373, I3497, I35I2, I35I7(o), I3524, I3527, I3529, I3547, I356I, I3562, I3564, I3565, I3576, I3583, I3590, I3642, I3645, I3656, I3668, I3679, I3689, I3699, I373I, I3736, I3746, I3747
- var. varians II84-III86
westii W.Sm. II696(o,p), I3I7I
- f. parva Brander 8738
Membranoptera Stackh.
alata (Huds.) Stackh. 7606, 7608, 76II, 76I5, 7942, 8550, I0II0, II379
beringiana (Rupr.) A.Zin. 9I64(o,p)
multiramosa Gardn. 9I64(o,p)
robbeniensis Tokida 8054, 8060, 8070
serrata (Post. et Rupr.) A.Zin. 9I64(o,p)
spinulosa (Rupr.) A.Zin. 9I64(o,p)
Mennerius Luljewa
sp. sp. I3473
longus Luljewa I0427(o,p), I0433, I0434
morosus Luljewa I0427(o,p), I0434
Menoidium Perty
falcatum Zach. 73I3, 73I5(o,p), 73I6, 73I7
incurvum (Fres.) Klebs 73I7
minimum Matv. 7307, 73I3, 73I5(o), 73I6, 73I7, 9294, 9296
pellucidum Perty 7306, 73I4, 73I5(o), 73I6, 73I7, I2I80

- var. cultellus (Pringsh.) Popova 7315(o), 7317
- var. steinii Popova 7310, 7311, 7315(o), 7317, 11670
tortuosum (Stokes) Popova 7307, 7315(o,p), 7317
Menselina Antr.
clathrata Antr. 7269(o,p)
Meridion Ag.
sp. sp. 8487, 9386, 11077, 11083, 11085, 11671
circulare Ag. 7054, 7132, 7135, 7137, 7142, 7296, 7383, 7489, 7494, 7507, 7530, 7700, 7973, 8038, 8248, 8254, 8266, 8301, 8304, 8737, 8738, 8781, 8896, 8976, 8981, 9018(o), 9019, 9053, 9057, 9059, 9060, 9204, 9580, 9651, 9664, 9715, 9748(o), 9749(o), 9751, 9819, 10077, 10079, 10080, 10082, 10148, 10150-10153, 10218, 10220, 10245, 10248, 10371, 10532, 10548, 10646, 10900, 10903, 10955, 10956, 11077, 11168, 11190(o,p), 11424, 11529, 11694, 11866, 11881, 11883, 11930, 11931, 11935, 12052, 12055, 12121, 12122, 12320, 12383, 12501, 12522, 12637, 12710, 12910, 13008-13010, 13012-13014, 13168, 13201, 13353, 13354, 13511, 13524, 13526, 13583, 13631(p), 13668
- var. circulare 8423, 8700, 9444-9446, 10008, 10902, 11186, 13272
- var. constrictum (Ralfs) V.H. 7054, 7973, 8038, 8423, 8700, 9018(o), 9057, 9297, 9379, 9444-9446, 9721, 9749(o), 9801, 9819, 10008, 10532, 10902, 10939, 11190(o,p), 11529, 11866, 13013, 13014, 13168, 13353, 13706, 13747
varians Ag. 13008
Meringosphaera Lohm.
sp. sp. 8763
hensenii Schill. 8763
mediterranea Schill. 8763, 9220
merzii Schill. 9220
Merismopedia (Meyen) Elenk.
sp. sp. 7040, 7082, 7102, 7104, 7464, 7469, 7506, 7593, 7954, 8097, 8098, 8259, 8605, 8939, 9104, 9108, 9149, 9223, 9648, 9664, 9725, 9752, 9881, 9959, 10023, 10104, 10154, 10245, 10246, 10280, 10306, 10324, 10375, 10475, 10822, 11542, 11690, 12048, 12175(o,p), 12247, 12320, 12346, 12451, 12544, 12577, 12580, 12647, 12653, 13293, 13510, 13515, 13594-13595, 13736, 13738, 13750
aeruginea Bréb. 9864
affixa P.Richt. 11442, 13645
distans Fedor. 12948(o,p)
elegans A.Br. f. elegans 11184
glauca (Ehr.) Näg. 7049, 7050, 7215, 7222, 7249, 7294, 7296, 7381, 7383, 7467, 7469, 7507, 7984-7986, 7988, 7989, 7992, 7993, 8001, 8035, 8038, 8555, 8603, 8604, 8725, 8874, 8904, 8907, 8909, 9018(o), 9019, 9024, 9053, 9124, 9215, 9220, 9242, 9257, 9292, 9297, 9298, 9643, 9648, 9649, 9666, 9667, 9694, 9748(o), 9751, 9755, 9768, 9801, 9903, 9932, 9944, 10026, 10046, 10077, 10079, 10080, 10082, 10085, 10126, 10127, 10129, 10148, 10149, 10151, 10153, 10218, 10220, 10280, 10363, 10548, 10644, 10646, 10798, 10955, 10956, 10975, 11128, 11190(o), 11198, 11537, 11571, 11673, 11739, 11865, 11866, 11881, 12020, 12049, 12050, 12052, 12091-12094, 12124, 12175, 12323, 12327, 12347, 12481(o), 12935, 13009, 13010, 13012-13014, 13056, 13120, 13246, 13271, 13287, 13373, 13398, 13412, 13511, 13517(o), 13518, 13522, 13526, 13641, 13642, 13679, 13747
- f. glauca 8908, 8910, 9133, 11184, 11442, 12710
- var. insignis (Schkorb.) Geitl. 13009, 13010
- f. insignis (Schkorb.) Geitl. 7049, 8700, 8778(o), 9749(o,p), 10026, 11183, 11184, 11442, 12946(o), 13009, 13013
- f. mediterranea (Näg.) Coll. 7348, 7350, 7351, 7353, 7354, 8035, 8038, 9220, 9223, 9289, 10026, 11442, 11756, 12130, 12710
major (G.Sm.) Geitl. 7048, 8700, 8725, 10026, 11451, 13013, 13061, 13503, 13504, 13517, 13531, 13642, 13747
marssonii Lemm. 7985, 8001, 8776, 9298, 9500, 9694, 10026, 13287
minima G.Beck 7561, 7713, 7984, 8001, 8035, 8555, 8916, 9018(o), 9021, 9024, 9220, 9227, 9801, 9959, 10026, 10133, 10366, 11537, 11967, 12075, 12710, 12935, 12938, 12941(o,p), 13009, 13010, 13246, 13249
punctata Meyen 7049, 7050, 7112, 7183, 7215, 7219, 7224, 7248, 7467, 7469, 7507, 7628, 7702, 7732, 7757, 7802, 7984, 7993, 8001, 8035, 8038, 8106, 8301, 8555, 8725, 8778(o), 8912, 8916, 9024, 9220, 9227, 9242, 9298, 9324, 9433-9438, 9439, 9648, 9664, 9666, 9667, 9694, 9768, 9801, 9864, 9932, 9944, 9959, 10026, 10080, 10127, 10148, 10149, 10151, 10153, 10177, 10218, 10220, 10276, 10277, 10279, 10280, 10283, 10286, 10363, 10366, 10463, 10546, 10548, 10549, 10644, 10646, 10798, 10951, 10955, 10956, 10973, 10975, 10997, 11128, 11190(o), 11198, 11455, 11537, 11544, 11545, 11672, 11673, 11697, 11864, 11866, 11881, 11967, 12092-12095, 12121, 12122, 12124, 12323, 12331, 12346, 12347, 12350, 12478, 12481(o), 12482, 12579, 12645, 12650, 12656, 12680, 12710, 12906, 12935, 12938, 13009, 13010, 13027, 13061, 13199, 13246, 13217, 13271, 13373, 13398(o), 13488, 13499, 13504, 13506, 13511, 13514, 13517(o), 13518-13520, 13522-13524, 13526, 13528, 13530, 13531, 13576, 13583, 13642, 13689
- f. arctica Kossinsk. 8038, 10026, 10129
- f. punctata 7462, 9133, 12650, 12939, 12946(o), 13274, 13294
tenuissima Lemm. 7048-7050, 7112, 7183, 7250, 7462, 7467, 7469, 7507, 7599, 7620-7622, 7702, 7802, 7806, 7988, 8035, 8038, 8202, 8301, 8555, 8700, 8725, 8890, 8916, 8924, 9018(o), 9124, 9210, 9220, 9223, 9227, 9242, 9289, 9292, 9298, 9340, 9580, 9649, 9664, 9691, 9694, 9748(o,p), 9755, 9801, 9932, 9959, 10026, 10046, 10077, 10080, 10132, 10133, 10148, 10149, 10151, 10153, 10172, 10176, 10177, 10218, 10220, 10280, 10283, 10309, 10366, 10548, 10644, 10646, 10657, 10715, 10876, 10878, 10956, 10975, 11190(o), 11442, 11451, 11537, 11545, 11672, 11673, 11865, 11866, 11881, 11932, 11935, 11966, 11967, 12052, 12092, 12095, 12481(o), 12650, 12652, 12656, 12710, 12935, 12938, 13008-13010, 13012, 13014, 13026, 13269-13274, 13287, 13294, 13373, 13398(o), 13412, 13499, 13506, 13508, 13511, 13514, 13517(o), 13518-13520, 13523-13525, 13527, 13528, 13530, 13531, 13576, 13631, 13689, 13747
trolleri Bachm. 10975, 13526
warmingiana Lagerh. 11442

Meristotheca J.Ag.
sp. sp. I0409
Mesocena Ehr.
sp. sp. I2223
circulus Ehr. 8364, 9952
crenulata var. diodon (Ehr.) Lemm. 7829
elliptica Ehr. 8254, 8362, 8364(p), 8982, 899I, 8997(p), 97I3, 9873, I0976, I0980-I098I, I0982(p), I0983, II334
muticata Gles. 8359(o,p), 8364, 8365, 8370
oamaruensis Schulz 8362, 8365, 9952
- var. apiculata Schulz 8365, 8370, 8990
- var. oamaruensis 8370
polymorpha Lemm. 7829
- var. quadrangula Schulz 7829, 9952
- var. triangula (Ehr.) Lemm. 9952
Mesochara Gramb.
sp. sp. 808I
amoena (Mädler) Schaikin 808I, 9497, I3265
harrisii (Mädler) Schaikin 808I, 9497, I3265
saidakovskyi Schaikin 808I
symmetrica (Peck) Gramb. 7736
voluta (Peck) Schaikin 7736, 808I, 9497, II784(o), I3265
Mesogerron Brand
fluitans Brand I0963, I0968
Mesogloia Ag.
vermiculata (C.Sm.) Le Jolis 7II8, 8279
Mesophyllum Lemoine
sp. sp. I03I6, I0582
Mesotaenium Näg.
sp. sp. 8308. 8584, IIII7, I3009, I30I0, I3666
caldariorum (Lagerh.) Hansg. 8294, 8570, 858I, I0I60, II208
chlamydosporum De Bary I0I60
endlicherianum Näg. I0I60, II878
macrococcum var. micrococcum W. et G.S.West I0I60
mirificum Aresch. IIII7
violascens De Bary II720
Meyeriella Skv.
longiflagellata Skv. I2352(o,p)
viridis Skv. I2352(o,p)
Michaelsarsia Gran
sp. sp. I0888
splendens Lohm. I20I9
Micractinium Fres.
sp. sp. 7082, 7I02, 7I55, 7289, 7623, 8038, 8349, 9I49, 9295, 9755, I0040, I0I93, I2496, I3266
appendiculatum Korsch. I0008
bornhemiense (Conr.) Korsch. 7757, 800I, 8038, 9687, 980I, I0008, I0077, I0080, I0082, I0646, II672, II673, II730, II736, II866, I24I6, I3I27, I327I, I3535
pusillum Fres. 7I03, 7I04, 7I82, 7227, 7465, 7469, 7589, 7839, 7962, 800I, 8038, 8554-8557, 8560, 87I0, 880I, 8859, 8873, 89I6, 90II, 9220, 9242, 9433-9434, 9687, 980I, 99II, 99I2, 9932, I0008, I0039, I004I, I0044, I0046, I0I3I, I0220, I0362, I0363, I0644, I0646, III98, II455, II537, II586(o,p),

II673, II736, II828, II864, II866, II966, II967, I2248, I2249, I2252, I2327, I24I6, I2478, I2482, I2483, I2496, I2498, I2505, I30I2, I3027, I3I27, I3I29, I3I59, I3I77, I3I78, I3246, I3247, I3250, I3272, I3274, I3284
- var. pusillum I327I
quadrisetum (Lemm.) G.Sm. 7584, 7589, 800I, 8348, 8940, 9220, 9223, 9293, 9687, 980I, I0008, I0046, I0I86, I0I88, I0I90, I0I9I, I0362, I0646, II736, II866, II967, I2483, I2496, I2498, I2524, I2525, I3I77, I3I78, I3246, I327I, I3284
Micrampulla Hanna
parvula Hanna 8990, 9952(p), I2534, I2536
Micrantholithus Defl.
africanus Str. I0427(p), I0433
crenulatus Braml. et Sull. 8I49
flos Defl. 8I49
Micrasterias Ag.
sp. sp. 7400, 7506, 8038, 8308, 83I9, 9220, 9257, 9643, I024I, I0242, I082I, II077, IIIII, I2I75, I2993, I3488, I3730
americana (Ehr.) Ralfs I0I60
apiculata (Ehr.) Menegh. I0I60-I0I62, I0644
brachyptera Lund. I0I60
crux-melitensis (Ehr.) Hass. 8700, 9257, 9749(p), I0I6I, I0I62, II455, I2I75, I2479(o), I363I(p)
- var. crux-melitensis I0I60
- var. protuberans Grönbl. 9749(o), I0I34(o), I0I60
- var. rabenhorstii (Kirchn.) Krieg. I0I60
- var. superflua Turn. I0I60
decemdentata (Näg.) Arch. 9749(o), I0I60, I2I75(o)
denticulata Bréb. 90I8(o), 9749(o), I2049, I363I(p)
- var. angulosa (Hantzsch) W. et G.S.West I0I60
- var. denticulata I0I60
- var. notata Nordst. 9024
fimbriata Ralfs 9749
- f. fimbriata I0I60
- f. spinosa (Biss.) Croasd. 9749(o), I0I60
mahabuleshwarensis Hobs. 90I8(o)
- var. europea Krieg. I0I34(o)
- var. wallichii (Grun.) W. et G.S.West 9932, I0I34(o,p), I0I60, I0I62, I363I(p)
oscitans Ralfs II866
papillifera Bréb. 830I, 9446, I2I75, I2667(o,p)
- var. glabra Nordst. I2667(o)
- f. glabra (Nordst.) Dick 9446, I2I75(o,p)
- f. murrayi (W. et G.S.West) Kossinsk. 9446
- var. papillifera f. glabra (Nordst.) Dick I0I60
- - f. murrayi (W. et G.S.West) Kossinsk. I0I60
- - f. papillifera I0I60
- var. valdajensis Kossinsk. I0I60, I0309
pinnatifida (Kütz.) Ralfs 9662(o,p), I0I60, I2I22, I2I75
radiata Hass. 9749(o,p), 9932, I0I6I, I0I62
- var. dichotoma (Wolle) Cushm. I0I34(o), I0I60
- var. pseudocrux Grönbl. 9749, I0I34(o)
- var. radiata I0I34(o,p), I0I60
- f. triquetra (Lund.) Krieg. II86I

rotata (Grev.) Ralfs 8038, 9088, 9932, 9938, I0I60, I2049, I2050, I2550, I2667(o), I3320, I363I(p)
- f. granulata West I2667(o)
sol (Ehr.) Kütz. 9080, I363I(p)
- f. ornata (Nordst.) Kossinsk. I0I60
- f. sol I0I60
thomasiana Arch. I0I58, I2I75
- var. notata (Nordst.) Grönbl. I0I60, I0I62, I2667(o,p)
- var. thomasiana I0I60
tropica Nordst. I0I60, I0I62, I3654
truncata (Corda) Bréb. 9446, 9749(p), 9932, 9938, I0I58, I0I62, I2049, I2050, I2667(o)
- var. bahusiensis Wittr. I0I60
- var. crenata (Bréb.) Reinsch I0I60
- var. neodamensis (A.Br.) Dick I0I60
- var. quadrata Bulnh. I2I75
- var. semiradiata (Näg.) Kossinsk. I02I8
- f. semiradiata (Näg.) Kossinsk. 9749(o,p), I0220
- var. truncata f. semiradiata (Näg.) Kossinsk. I0I60
- - f. truncata I0I60
Microchaete Thur. ex Born. et Flah.
sp. sp. I35I8
tenera Thur. 7I86, 7755, 800I, 8308, 9294, 9296, I0026, I0I26, II32I
- f. minor Hollerb. 7373, 7750, IIII7, II479, II483
Microcladia Grev.
sp. sp. I363I
Microcodium Glück
cuvilleri Masl. I0604(o,p)
laxum Voron. 8I7I(o,p)
uchtense Masl. I0604(o,p)
Microcoleus Desm. ex Gom.
sp. sp. II479, II57I, II889, I2653, I29I2, I3455, I35I0
chthonoplastes (Fl. Dan.) Thur. 7373, 7438, 7599, 7676, 8035, 8899, 965I, 9765(p), 9768, I0026, I07I4, I07I5, II442, II480, II483, II578, II753, II755-II757, I2090-I2094, I2I95, I2809, I29I7, I3453, I35I4, I35I7(o), I3750
delicatulus W. et G.S.West 7599
lacustris (Rabenh.) Farl. 8899, I0026, I2I95
paludosus (Kütz.) Gom. 7599, 7752-7755, 7988, 8038, I0080, I07I5, IIII2, IIII3, IIII7, II866, I2I95, I2809, I28II, I3453
sociatus W. et G.S.West I07I4, I07I5, I0968, I2809, I28II, I28I3, I28I5, I3526
subtorulosus (Bréb.) Gom. 7373, I3482
tenerrimus Gom. 7676, 7678, 8035, I07I5, IIII2, IIII3, II479, II757, I28I3, I3453, I35I9
- f. minor Elenk. I07I5, I2I95, I2809, I28II
vaginatus (Vauch.) Gom. 7373, 7377, 7438, 7673, 7676-7678, 7749, 7752, 7754, 7755, 800I, I0026, I0I48, I04I9, I07I4, I07I5, I0968, III34, III35, III37-III39, II390, II480, II755-II755, II886, I2092-I2094, I2I92, I2I94, I2I95, I267I, I28II, I3434, I3435, I3439, I3452, I3529, I3657
- f. monticola (Kütz.) Elenk. I3439, I3453
- f. polytrichoides (Frisch) Hollerb. 7373, I0026
- f. vaginatus I3453

weeksii Setch. et Gardn. II57I
Microcystis (Kütz.) Elenk.
sp. sp. 7I0I, 7I44, 7225, 725I, 7343, 747I, 7506, 7626, 7638, 764I, 77I4, 77I7, 7732, 7777, 7805, 7842, 7848, 7984, 7993, 7994, 8038, 8256, 8259, 830I, 83I9, 8446, 8488, 849I, 850I, 85I3, 8605, 8666, 8707, 87I3, 8806, 8807, 8835, 8869, 8870, 8909, 89I2, 89I9, 8945, 8967, 9085, 9I49, 9I96, 9249, 9297, 9320, 9337, 9390, 9393, 940I, 9499, 9733, 97[illegible]3, 98I2, 9820, 988I, 9883, 9943, 9959, I0008, I0I04, I0I06, I0I62, I0279, I0286, I0306, I0307, I0324, I0375, I04II, I0455, I0538, I0567, I07I8, I07I9, I0729, I0737, I0798, I0799, I0877, I0906, I09I4, I09I5, I0920, I0965, I0996, II069, II073, II089, III07, II2I5, II329, II448, II457, II485, II548, II550, II583, II65I, II690, II764, II793, II899, II93I, II933, I2048, I209I, I2I34, I2I55, I2244, I228I, I2344, I2348, I2428, I243I, I2446, I2544, I26I2, I26I7, I2647, I2653, I2689, I2765, I2767, I279I, I28I7, I2868, I2869, I3II8, I3I42, I3208, I3274, I337I, I3374, I35I0, I3709, I3736, I3744, I3748
aeruginosa Kütz. 7082, 7097, 7I02-7I05, 7I66, 7I70, 7I7I, 7I82, 72I5, 7226, 7246, 7277-7279, 7293, 7296, 7342, 7353, 738I, 7398, 7436, 7464, 7467, 7469, 7507, 756I, 7574, 7575(p), 7588, 7593, 7620, 7625, 7628, 7639, 764I, 7643-7645, 7702, 7704, 7705, 7708, 77I3, 77I5, 7757, 7758, 7802, 7804-7806, 7842, 7843, 7877, 7887, 7908, 792I-7923, 7925, 7926, 793I, 7933, 7935, 7985, 7989, 7990, 7992, 7994, 800I, 8029, 8038, 8045, 8I36-8I40, 8I44, 8203, 8258, 8306, 83I2, 832I, 8447-8450, 8473, 85I2, 85I5, 85I6(p), 8553-8557, 8560, 856I, 8604, 8667, 8670, 8673, 8700, 87I5, 87I8, 8749-875I, 8792-8797, 8798(o), 8859, 8873, 8877, 8879, 8890, 8894, 8904, 8907, 89I4-89I6, 8920, 8924, 8940, 8966, 90I2, 90I3, 90I8(o), 9065, 9066, 9073, 9080, 9I24, 9I50, 9200, 92I0-92I2, 92I6, 92I9, 9220, 9223-9226, 9234, 9242, 9250, 9274, 9275, 9288, 9289, 9292, 9293, 9296, 9308, 9334, 9340, 9433-9439, 944I, 9476, 9492, 9499, 950I, 9503, 9505, 9580, 9583, 960I, 96I7, 9625, 9639, 9643, 9647-9649, 965I, 9652, 9664, 9666-9668, 9687, 9694, 9696, 9698, 9699, 9748, 9749, 9755(p), 9774(o,p), 9776, 9777, 978I, 9800, 980I, 98I4, 98I5, 98[illegible]9, 9820, 988I, 9882, 9889, 989I, 9892, 9894, 9932, 9938, 9943, 9944, 9959, 9996-9998, I0000, I0002-I0004, I0022, I0023, I0026, I0027, I003I, I004I, I0042, I0046, I0077, I0079-I0082, I0086, I0088-I0090, I0II3, I0I30, I0I32, I0I33, I0I85, I0I86, I0I88-I0I90, I0I92, I022I, I0243, I0245, I0246, I0274, I0276, I0280, I0283, I0362, I0365-I0368, I0394-I0396, I0420, I0438, I0439, I045I, I0463, I0473, I0475, I054I, I0542, I0548, I0549, I0646, I0704, I0720, I0724-I0728, I0734, I0736, I0750-I0752, I0769-I077I, I0798, I0800, I0848, I0868-I087I, I0876, I0878, I0885, I0905, I0906, I0922, I095I, I0955, I0956, I0959, II024, II029, II043, II073, III28-III3I, III47, III60, III69, III70, III98, II236, II25I, II252, II259, II272, II274, II325, II333, II407, II45I, II455, II487, II488, II537, II549, II597, II646, II647, II650-II652, II655, II663(p), II672, II673, II7I2, II729-II73I, II734, II735, II737, II743, II744, II746, II747,

II753, II772, II790, II800, II837, II840, II847, II854, II860, II865, II866, II881, II883, II932, II933, II935, II957, II965, II966, I2049, I2050, I2052, I2090, I2092, I2093, I2095, I2114, I2122, I2175, I2181, I2244, I2261, I2285, I2288, I2290, I2291, I2294, I2297, I2299, I2303-I2307, I2310-I2314, I2323, I2331, I2342, I2369, I2376, I2377, I2379, I2381, I2392, I2415, I2417, I2419, I2421, I2434, I2477, I2478, I2482, I2485, I2505, I2512, I2550, I2559-I2562, I2568, I2575-I2577, I2580, I2581, I2630, I2650, I2651(o), I2656, I2706, I2761, I2762, I2766, I2792, I2870, I2871, I2894, I2897, I2926-I2929, I2932, I2982, I3009, I3010, I3012-I3014, I3026, I3027, I3056, I3057, I3059, I3061, I3081, I3085, I3119, I3120, I3124, I3125, I3127-I3130, I3137, I3144, I3156, I3159, I3177, I3178, I3187-I3190, I3198-I3200, I3202, I3245, I3246, I3249, I3250, I3266-I3268, I3271, I3273, I3275, I3276, I3279, I3280, I3287, I3292, I3293, I3295, I3323, I3343, I3370, I3373, I3375, I3398(o), I3405-I3408, I3410, I3488, I3496, I3504, I3506, I3511, I3517(o), I3518, I3519, I3527, I3531, I3537, I3562, I3576, I3583, I3586, I3589-I3595, I3600, I3616, I3631, I3641, I3642, I3645, I3659, I3679, I3689, I3699, I3701, I3704, I3713, I3731, I3746, I3747

- var. aeruginosa 9298, 9503, I2578
- f. aeruginosa 7104, 7109, 7462, 7470, 8798(o), 8904, 8906-8909, 9135, 9768, 9774(o,p), 9776, 9778, 9781, 9959, I0008, I0131, I0133, I0218, I0220, I0469, I2323, I2333, I2481(o), I2701, I2928, I2939, I3270, I3274, I3290, I3294
- f. compacta Skabitsch. I2342(o)
- var. flos-aquae (Wittr.) Elenk. 9292, I0959
- f. flos-aquae (Wittr.) Elenk. 7100, 7104, 7112, 7249, 7250, 7469, 7507, 7802, 7804, 7805, 8038, 8700, 8718, 8777, 8904, 8905, 8908, 8920, 8927, 9047, 9133, 9289, 9298, 9448, 9498(o), 9499, 9580, 9748, 9749(o,p), 9768, 9774(o,p), 9776, 9778, 9801, 9959, I0008, I0026, I0027, I0031, I0080, I0130, I0133, I0218, I0220, I0283, I0644, I0955, I0956, I0959, I1128, I1190(o), I1672, I1673, I1794, I1933, I2323, I2324, I2327, I2333, I2481(o), I2680, I2710, I2870, I2871, I3012-I3014, I3061, I3271, I3373, I3515, I3517, I3631, I3642, I3679, I3747
- f. marginata (Menegh.) Elenk. 8038, 9133, 9289, 9448, 9568, 9580, 9774(o,p), 9801, 9959, I0008, I0026, I0133, I0220, I0644, I1190(o), I1866, I2928, I3010, I3271, I3522, I3535, I3590, I3642
- var. minor G.Sm. 8473
- f. ochracea (Brand) Elenk. 8038
- f. protocystis (Crow) Elenk. 8038, 8915, 8916, 9289, 9959, I0008, I0026, I0133, I0218, I0220, I0548, I2323, I2333, I2946(o), I3061, I3517, I3679
- f. pseudofilamentosa (Crow) Elenk. 8038, 8500, 8502, 8505, 9801, 9959, I0870, I0871, I2710, I3526
- f. scripta (P.Richt.) Elenk. 7507, 8038, 9289, I0026, I0220, I1854, I3526, I3631, I3642
- f. sphaerodictyoides Elenk. 8038, 9581, 9959, I0008, I0026, I0133, I0769, I1854, I2481(o)

- f. viridis (A.Br.) Elenk. 8038, 9774(o,p), 9776, 9778, 9781, I0026, I0080, I0131, I0133, I0218, I0220, I2637, I3522, I3679
anodontae (Hansg.) Elenk. 7992
- f. major (Hansg.) Hollerb. 7992
botrys Teil. I0031
concharum (Hansg.) Kossinsk. II442
delicatula W. et G.S.West I3010
elongata Crow I3642
endophytica (G.Sm.) Elenk. 8038, 9018(o), 9492, I0026, I0133, I2343
firma (Bréb. et Lenorm.) Schmidle 7112, 9801, I0026, I0798, II537, II967
flos-aquae (Wittr.) Kirchn. 7803, 7887, 8308, 8445, 8473, 9250, 9257, 9568, 9774(p), I0280, I0798, I2343, I2993, I3699, I3704, I3736
grevillei (Hass.) Elenk. 7050, 7144, 7350, 7381, 7436, 7507, 7806, 8001, 8038, 8308, 8700, 8914, 8920, 9018(o), 9019, 9134, 9289, 9298, 9568, 9649, 9651, 9748(o,p), 9749(o), 9801, I0026, I0126, I0280, I0463, I0548, I0549, I0715, I0798, I0968, III90(o), II451, II452, II455, II537, II866, II881, II967, I2130, I2261, I3199, I3200, I3287, I3517(o), I3518, I3631, I3642, I3679, I3687
- var. grevillei 7351
- f. grevillei 8908, 8910, 9133, I0008, I0218, I0220, I0469, I2481(o)
- var. pulchra (Kütz.) Elenk. 8035, 9801
- f. pulchra (Kütz.) Elenk. 8038, 9580, I0008, I0026, I0080, I0218, I0220, I0548, III90(o), II881, I2481(o), I2710
- f. rivularis (Hass.) Elenk. 9748(o), 9749(o,p), I0008, I0026, I0080, III90(o), I2195, I2481(o), I3526
hansgirgiana (Hansg.) Elenk. 7599, I0126, I0964, IIII7, II719, II720, I2195, I2809, I2810, I3666
ichthyoblabe Kütz. 7507, 8001, 8038, 8700, 9133, 9220, 9289, 9499, 9580, 9694, 9748(o), 9932, I0026, I0218, I0220, I0715, II451, II455, II537, I2175, I2333, I2481(o), I3013, I3373, I3535, I3631, I3642, I3704
incerta (Lemm.) Lemm. I3736
koordersii (Strøm) Elenk. I3518
litoralis (Hansg.) Forti 8035
marginata (Menegh.) Kütz. I3704
marina (Hansg.) Kossinsk. II442
muscicola (Menegh.) Elenk. 7277, 7644, 7843, 8139, 8515, 8516, 8570, 8778(o), I0126, I0127, I0327, I0328, I0548, I0885, I0956, I0968, II272, II484, II646, II650, II651, II720, II866, I2090-I2092, I2094, I2195, I2282, I2285, I2294, I2297, I2302, I3439, I3517(o), I3518
novacekii Komárek 9774(p)
orae (Hansg.) Kossinsk. II442
parietina (Näg.) Elenk. 9801, I0220, I0968, III90(o), I2195, I3517(o), I3522
planctonica (G.Sm.) Elenk. 8813, I3642
pulverea (H.Wood) Forti 7050, 7100, 7102-7104, 7112, 7211, 7247, 7249-7251, 7277, 7279, 7342, 7350, 7352, 7436, 7507, 7575(p), 7620, 7645, 7676, 7678, 7704, 7757, 7804, 7842,

7843, 7988, 7992, 7993, 8001, 8035, 8038, 8045, 8136, 8139, 8202, 8316, 8317, 8521, 8554-8556, 8604, 8777, 8778(o), 8825, 8859, 8904-8907, 8912, 8914, 8916, 8924, 9008, 9134, 9150, 9219, 9220, 9234, 9289, 9298, 9340, 9433-9434, 9437, 9499, 9500, 9568, 9580, 9601, 9657, 9666, 9687, 9751, 9755, 9768, 9800, 9801, 9812, 9813, 9815, 9819, 9932, 9944, 9996, 9998-10000, 10002, 10003, 10026, 10046, 10048, 10077, 10079, 10080, 10082, 10113, 10130, 10132, 10133, 10148, 10177, 10243, 10245, 10246, 10280, 10283, 10292, 10350, 10366, 10463, 10548, 10741, 10771, 10798, 10866, 10875, 10885, 10905, 10928, 10968, 11030, 11039, 11043, 11093, 11128, 11150, 11190(o), 11272, 11274, 11537, 11547, 11650, 11652, 11672, 11673, 11720, 11730, 11756-11758, 11790, 11864-11866, 11878, 11881, 11932, 11935, 12020, 12049, 12050, 12094, 12122, 12175, 12181, 12215, 12261, 12285, 12288, 12291, 12294, 12297, 12303, 12305, 12308, 12309, 12336, 12341, 12343, 12415, 12419, 12449, 12478, 12482, 12505, 12559, 12580, 12811, 12813, 12815, 12894, 12897, 13009-13014, 13056, 13059, 13061, 13127, 13129, 13199, 13246, 13247, 13249, 13250, 13271-13273, 13279, 13323, 13352, 13373, 13439, 13453, 13488, 13496, 13517(o), 13518, 13519, 13522, 13526, 13547, 13576, 13589-13595, 13631, 13641, 13642, 13644, 13666, 13679, 13687, 13689, 13704, 13746, 13747

- f. conferta (W. et G.S.West) Elenk. 8038, 8700, 9289, 9568, 9801, 10008, 10026, 10080, 10133, 10218, 10220, 11451, 11452, 11455, 12175, 12217, 12946(o)
- f. delicatissima (W. et G.S.West) Elenk. 7226, 8920, 9289, 9801, 10008, 10026, 10131-10133, 10280, 10283, 11672, 11673, 11866, 12342, 12481(o), 12710, 12946(o), 13009, 13010, 13013, 13246, 13517, 13689
- f. elachista (W. et G.S.West) Elenk. 8038, 9801, 10008, 10026, 12946
- f. elongata Crow 8038, 9133, 10026, 12710
- var. holsatica (Lemm.) Elenk. 8555, 13522
- f. holsatica (Lemm.) Elenk. 7507, 8038, 8700, 9133, 9289, 9568, 9801, 9819, 10008, 10026, 10042, 10133, 10218, 10220, 11455, 11672, 11673, 12175, 12333, 12481(o), 12710, 13009-13013, 13249, 13529, 13535, 13631, 13642, 13747
- var. incerta (Lemm.) Crow 13736
- f. incerta (Lemm.) Elenk. 7278, 7507, 8035, 8038, 8601, 8312, 8515, 8516(p), 8700, 8920, 9133, 9220, 9289, 9568, 9801, 10008, 10026, 10080, 10126, 10133, 10218, 10220, 10363, 10548, 10905, 11455, 11480, 11483, 11672, 11673, 11734, 11866, 12175, 12195, 12333, 12481(o), 12710, 12809, 12935, 13009-13011, 13027, 13059, 13061, 13177, 13178, 13246, 13249, 13518, 13562, 13642, 13679, 13747
- f. irregularis (Boye-Pet.) Elenk. 8038, 8700, 10218, 10220, 11112, 11113, 11451, 12323
- f. minor (Lemm.) Hollerb. 7988, 7992, 8001, 8700, 8715, 8915, 9019, 9500, 10126, 10715, 10822, 11673, 11720, 11866, 12710, 12809, 13061, 13666, 13689
- var. parasitica (Kütz.) Elenk. 10955
- f. parasitica (Kütz.) Elenk. 7802, 8700, 8777, 10026, 10080,

10133, 10218, 10220, 11451, 11455, 12680, 12946(o), 13057, 13482, 13526, 13631

- f. planctonica (G.Sm.) Elenk. 7620, 8038, 8700, 9568, 9751, 9944, 10008, 10026, 10959, 10975, 12481(o), 12946(o), 13631
- f. prasina (Wittr.) Hollerb. 8700, 9289, 10008, 10026, 11451, 12333
- f. pulchra (Lemm.) Elenk. 8038, 9749(o,p), 10026, 10218, 10220, 10221, 12946(o), 13631
- var. pulverea 7348
- f. pulverea 7353, 7354, 8908, 8909, 9133, 10008, 10218, 10220, 10131-10133, 10469, 11675, 12333, 12481(o), 12710
- f. racemiformis (Nyg.) Hollerb. 8929(o,p), 9694, 10218, 10220
- f. stagnalis (Lemm.) Elenk. 8038, 8700, 9568, 10080, 10220, 11451, 11866, 13679

reinboldii (P.Richt.) Forti 11442, 13645

salina (Woronich.) Elenk. 7112, 8035, 8777, 11425(o), 11442, 11537, 12195

stagnalis Lemm. 9108

testacea (Nüg.) Elenk. 10968, 10975

toxica Steph. 9250

viridis (A.Br.) Lemm. 9774(p), 10031

wesenbergii Komárek 8798(o), 9774(o,p), 9776-9778

Microcystites Laristschev

sp. sp. 10217

Microdinium Cook. et Eis.

ornatum Cook. et Eis. 8048-8049(o,p)

Microrhabdulinus Defl.

sp. sp. 13473

tortus Stover 10433, 10434

Microrhabduloides Defl.

sp. sp. 13473

Microrhabdulus Defl.

sp. sp. 13473

attenuatus Defl. 13466, 13469

belgicus Hay et Towe 13466, 13469

decoratus Defl. 10427(p), 10428, 10430, 10433, 10434, 13466, 13469, 13472

helicoides Defl. 13469

nodosus Str. 10427(p), 10433, 10434

orbitosus Schumenko 13473(o,p)

reticulatus Schumenko 13473(o,p)

stradneri Braml. et Mart. 10428, 10430, 10433

virgatus Schumenko 13473(o,p)

Microrhinus Skottsb.

carnosus (Reinsch) Skottsb. 9165(o)

Microspongium Reinke

globosum Reinke 8054, 8055(o), 9406

Microspora Thur.

sp. sp. 8700, 8912, 9664, 10008, 10307, 10646, 11135, 11720, 12667, 13008, 13412, 13499, 13503, 13508, 13519, 13524, 13525

amoena (Kütz.) Rabenh. 9932, 9938, 10963, 10968, 10218, 10220, 10956, 12049, 12657, 12758, 13631

elegans Hansg. 10150, 12657(o)

floccosa (Vauch.) Thur. 12020, 12049, 12050

lauterbornii Schmidle I3526
pachyderma (Wille) Lagerh. 9932, 9938, I0I27, I0956, II866, I3506-I3508, I35II, I35I7(o), I3528, I363I
quadrata Hazen 8038, I0I26, I0I27
stagnorum (Kütz.) Lagerh. 9289, I0008, I0I26, I0I27, I0I50, I0I53, I02I8, I0220, I0548, I0956, II736, I2020, I2049, I3499, I35II, I35I7(o), I35I9, I3526, I363I
tumidula Hazen 7048-7050, 7754, 80I6, 8038, 8778(o), 9088, I0I49, I0I53, I07I5, I0956, II03I, II720, I2247, I2449, I35I9, I3522, I3666
willeana Lagerh. 7048-7050, 9749(o), I0I27, I0I48, II7I9, II720, I35I7(o), I3666
wittrockii (Wille) Lagerh. 9932
Microthamnion Näg.
kuetzingianum Näg. I0646, I07I5, I0956, I0970, II720, I205I, I2637, I2874, I2877, I3657, I3666
Micula Veksch.
sp. sp. 8539
culpa Veksch. 7825(p)
decussata Veksch. 7824
exilis Veksch. 7825(p)
staurophora Gardet I0430, I0433, I3475
Mirandosphaera Vischnevsky et Menjajlenko
sp. sp. 7976(o,p)
Mitralifer Vologd.
retiformis Vologd. 8II4
Mizzia Schub.
sp. sp. 868I, 9823, 9833, II983
velebitana Schub. 9827, 9828, 983I
yabei Karpinsky 9827, 983I
Monallantus Pasch.
brevicylindrus Pasch. 8570
Monas O.F.Müll.
sp. sp. 8266, I3699
guttula Ehr. 8266
minuta 8266
sociabilis H.Meyer I0080, I0822
vivipara Ehr. 8266, 9078
vulgaris (Cienk.) Senn 8266, I0080
Mongoloporella Vologd.
gobiensis Vologd. 8II9(o,p)
rozovii Vologd. 8II9(o,p)
Moniliporella Gnilovskaja
sp. sp. 8376
Monodus Chod.
sp. sp. 7082, IIII2, IIII3, III35
acuminata Chod. II720, I3666
chodatii Pasch. II720, I3666
dactylococcoides Pasch. 8825
guttula Pasch. I2449
pyrenigera Pasch. I2I95
subglobosa Pasch. I2449
subterranea Boye-Pet. 8825, I2449, I3442, I3455
Monomastix Scherf.
sp. sp. II739

Monomorphina Mer.
sp. sp. 8939, I3695
nordstedtii (Lemm.) Popova 73I6, 7330, 7332, 980I
pyrum (Ehr.) Mer. 7I83, 7306-73II, 73I3, 73I6, 73I8, 7325, 7326, 7330, 7332, 800I, 8038, 8555, 8720, 8800, 880I, 8904, 89I6, 9220, 9293, 9694, 980I, 9882, I0046, I0079, I0080, I0I3I, I0644, I0646, II670, II859, II866, II903, II965-II967, I2049, I2I22, I2I75, I2478, I2480(o), I2496, I2579, I2935, I30I2, I3246, I3249, I35I7
- var. costata (Conr.) Popova II866
- var. pseudonordstedtii (Pochm.) Popova 7330
- var. pyrum 8776
splendens (Pochm.) Popova 9882, I0866
Monopsia Gr. et St.
sp. sp. I2534
mammosa Gr. et St. 8370
Monosiphon Volk.
caspius (Henck.) Volk. 9030(o), 9033(o,p), 9I24, II42I
Monostroma Thur.
sp. sp. 7577, 76I3, 7685, 7942, 8060, 8070, 8073, 859I, I0II0, I0409, II385, II423, II607, I2537(p), I2609, I2664, I3029, I3633, I3720
angicavum Kjellm. 8054, II383(o)
arcticum (Wittr.) Kjellm. 8054, 8550, I0II0, II377(p), II378, II383(o), I2664
balticum (Aresch.) Wittr. I3645, I3687, I3688
blyttii (Aresch.) Wittr. 9I54, I3708
bullosum (Roth) Thur. 7947
crassidermum Tokida 7948, 8054
fuscum (Post. et Rupr.) Wittr. 7429, 7430, 7435, 760I, 7604, 7606, 76I0, 76II, 7942, 8054, 8279, 8550, 855I, 9I24, 9I79, 9604, I0II0, II379, II782, I2664, I2907, I3708
- f. blyttii (Aresch.) Coll. 8550, II379
grevillei (Thur.) Wittr. 7606, 76I3, 7636, 7944(o,p), 8054, 8064, 8550, 9026, 9I20, 9I24, II782, I3633
- subsp. grevillei 7948
- subsp. japonicum Vinogr. 7948
- var. vahlii Rosenv. I3633
groenlandicum J.Ag. 7I6I, 9I24, II379
latissimum (Kütz.) Wittr. 7365, 9I23
leptodermum Kjellm. 7944(o,p)
oxycoccum (Kütz.) Thur. I0II0
oxyspermum (Kütz.) Doty 7937(o), 8550, II378
splendens (Rupr.) Wittr. 76I3, 8054, I2064, I2664
undulatum Wittr. 7944(o), 8054, II383(o)
- f. farlowii Foslie 7944(o,p)
- f. undulatum 7944(o,p)
vahlii J.Ag. 8054
wittrockii Born. 9030(o), 9033(o,p), 9I7I(o)
zostericola Tild. 7636, 8054, I2604, I2607, I3633
Morania Walcott
sp. sp. 9828, 9833
Morelletina Masl.
ucrainica Jaro. I0608(o,p)

Mougeotia Ag.
sp. sp. 7057, 7I56, 7I73, 7I82, 7I84, 7222, 7224, 725I, 7345, 7353, 7354, 7506, 7806, 7925, 7926, 800I, 80I6, 8038, 82I6, 8300, 830I, 8308, 8309, 83I9, 8324, 8326, 8452(p), 8700, 8725, 8777, 8778, 8890, 8960, 90I8-9022, 9024, 905I, 9053, 9I04, 9I08, 9II0, 9I24, 9I49, 9I5I, 9202, 9226, 9227, 9242, 9274, 9289, 9292, 944I, 9476, 949I, 9499, 9500, 9504, 9568, 9648, 9649, 9654, 9666, 9668, 9684, 9689, 9694, 9742, 9748(o), 9749(p), 98I9, 9932, 9944-9948, 999I, I0008, I0026, I0I26, I0I27, I0I29, I0I49, I0I85, I0I86, I0I90, I0236, I024I, I0242, I0246, I0247, I0255, I0282, I0469, I0644, I0646, I0798, III28, II2I4, II45I, II455, II533, II583, II67I, II690, II764, II866, II88I, I2I75, I2239, I2247, I23I8, I2346, I2393, I2420, I2505, I2578-I2580, I2667, I2680, I27I0, I2746, I2747, I2870, I3008-I30I0, I30I2-I30I4, I3§57, I3I97, I34I2, I3482, I3488, I3499, I3506, I35II, I35I4, I3520, I3522, I3528, I353I, I3576, I358I, I363I, I3673, I3679, I3687, I37I7, I3736
aspera Woronich. I0956
drouetii Transeau 9939(o,p)
elegantula Wittr. 9289, I0008, I02I8, I0220, II736, II739, I2I75, I3520
genuflexa (Dillw.) Ag. 7I8I, 8038, 8I70(o,p), 9935, I02I8, I0220, I2346, I2905, I36'I, I3642
gracilis Kütz. 8I07(o)
gracilis (Reinsch) Czurda 9884
gracillima (Hass.) Wittr. 8I70(o,p)
laetevirens (A.Br.) Wittr. 8I07(o,p), 9024, 9749(o,p), 9884, I2I75
- var. varians Wittr. 9024
laevis (Kütz.) Arch. 8I70(o,p)
notabilis Hass. 7048
nummuloides (Hass.) De Toni 9289, I2050, I35I4, I35I7
parvula Hass. 8I70(o,p), 9078, 9289, 9935, I0956, I0975, I2050, I3506-I3508, I35I7(o)
pulchella Wittr. I35I7
punctata Wittr. 9936, I0I49, I3508, I35I7(o), I3524
quadrangulata Hass. 8I70(o,p)
robusta (De Bary) Wittr. 9289, I0956, I0975, I2637, I35I7(o), I3526
scalaris Hass. 8I70(o,p), 9289, 9664, 9749(o), I0I5I, I02I8, I0220, I0975, I35II
sphaerocarpa Wolle I0I49, III90(o)
varians (Wittr.) Czurda 8038
viridis (Kütz.) Wittr. 7704, 9289, 9936, I09I8, I2050
Mougeotiopsis Palla
calospora Palla 8I70(o,p)
Mucilina Korde
fossilis Korde 9833
Mucostroma Vologd.
sp. sp. 8I2I(o)
bullatum Vologd. 8I2I(o,p)
carelicum Vologd. 8I2I(o,p)
Muderongia Cook. et Bis.
sp. sp. 8539

mcwhaei Cook. et Bis. 8048-8049(o,p)
Muelleriella V.H.
limbata (Ehr.) V.H. 972I(p), I3355(o,p)
Muiriella Church. et Sarj.
plioplax Church. 8048-8049(o,p)
Murandavia Vologd.
amurica Vologd. 8II8(o,p)
granulosa Vologd. et Drosdova 8I3I(o,p)
magna Vologd. 8I23(o,p)
marginata Vologd. 8I23(o,p)
rotunda Vologd. 8II8(o,p), 8I3I(o,p)
Muriella J.Petersen
sp. sp. 8573, 8584, IIII2, IIII3
decolor Visch. 858I
magna Fritsch et John 7754, IIII7, II720, I2449, I3439, I3666
terrestris Boye-Pet. IIII7
Murrayella Kof.
sp. sp. 706I, I2I53
biconica (Mur. et Whitt.) Pav. I2223
intermedia Pav. I2223, I2597
spinosa Kof. I2I53, I2597
Myelophycus Ulrich
intestinalis Saund. 7636, 805I, 8054, 8059, 8060, 8070, 8073, 9I24, II383(o), II384, I2607
Myriactis Kütz.
pulvinata Kütz. 8899
Myriactula Kuntze
rivulariae (Suhr) Feldm. 890I, II409(o), II4I0, II4I2
sargassi (Yendo) A.Zin. 8054
stellulata (Harv.) Levr. 9406
Myriogramme Kylin
sp. sp. 76I6(o)
kerguelensis Levr. 9I6I(o,p)
livida (Hook. et Harv.) Kylin 9I6I(o)
macquariensis A.Zin. 9I6I(o,p)
multilobata A.Zin. 9I6I(o,p)
yezoënsis Yamada et Tokida 8054, I2064
Myrionema Grev.
sp. sp. I2664, I3687
strangulans Grev. 7942, 8054, 8055(o), 9I70(o), 9406
subglobosum Kylin 7942, II377(o), II378
Myriotrichia Harv.
filiformis Harv. 7940(o,p)
Myxosarcina Printz
chroococcoides Kütz. I0028(o), I3I86
sphaerica Pr.-Lavr. II537
Nannoceratopsis Defl.
pellucida Defl. 8048-8049(o,p)
Nautococcopsis Geitl.
constricta Korsch. I35II
Nautococcus Korsch.
sp. sp. 8584, 9755
constrictus Korsch. 7344
pyriformis Korsch. I220I(o)

Navicula Bory
sp. sp. 7040, 704I, 7047, 706I, 7063, 7082, 7I05, 7II3, 7I44, 7I73, 72I9, 7222, 7295, 734I, 7348, 7349, 735I, 7366, 738I, 7438, 7472, 7496, 7497, 7506, 7536, 7588, 7589, 762I, 7626, 7628, 7676, 7678, 7702, 7732, 7764, 7950, 7952, 7956, 8038, 8097, 8098, 8I06, 8I47, 8248, 8254, 8257, 8259, 8266, 83I9, 8353, 8364, 8365, 8422, 8436, 8438, 8452(p), 8487, 8529-853I, 8554, 8557, 87I0, 87I3, 8725, 8737, 8738, 8749-875I, 88I6, 8836, 8905-8907, 89II, 89I2, 89I6, 89I9, 8930, 8939, 8940, 8974, 898I(p), 8988, 90I8, 90I9, 902I, 9024, 9056, 9I04, 9I06, 9I4I, 9I42, 9I49, 9204, 92I4, 922I, 925I, 9257, 9289, 9324, 9340, 936I, 9379, 9457, 9463, 9488-9490, 9492, 9505, 95I0, 957I, 9572, 9580, 9583, 96I7-96I9, 9670, 9690, 9720, 9725, 9749, 9752, 9787, 9788, 9790, 9820, 988I, 9894, 9902-9904, 9944, 9959, 997I, 9976, I0008, I00I7, I0024, I0042, I0046, I0079, I0I02, I0I04, I0I07, I0II3, I0I36, I0I45, I0I47, I0I50, I0I69, I0I73, I0I75, I0I76, I0I89, I0I94, I020I, I02I0, I0220, I0280, I0307, I0309, I0370, I0384, I0388, I04I4, I04I7, I05I2, I05I3, I0549, I0644, I0705, I0732, I0733, I0757, I0798, I08I4, I082I, I0822, I0840, I084I, I0870, I0877, I0878, I0896, I09I4, I0920, I0939, I0980-I098I, II034, II077, II083, II094, III0I, IIIII, IIII7, III29, III98, II2I5, II285, II304, II528, II57I, II688, II690, II7I9, II720, II739, II837, II847, II863, II88I, II933, II994, I20I9, I2037, I2073, I2075, I2076, I2078, I2079, I2I40, I2I52, I22I7, I2223, I2236, I2253, I2344, I2346, I2369, I2393, I2428, I2449, I2483, I2485, I2504, I2544, I2574, I2578, I2584, I2597, I2747, I286I, I2905, I2927, I2933, I2934, I2936, I2938, I2955, I2956, I2962, I3008-I30I0, I30I2-I30I4, I3051, I3206, I32I3, I32I8, I32I9, I3249, I3269, I3272-I3274, I3283, I3284, I3290, I3294, I3343, I3353, I3354, I3388, I339I, I34I2, I3435, I3453, I3488, I3507, I35I9, I3524, I3576, I358I, I3586, I3594-I3595, I3640, I364I, I3666, I3679, I3689, I3699, I3706, I37I3, I37I7, I3736, I3738, I3747, I3750
abberans Simonsen II083, II085
abbreviata (Grun.) A.Cl. I0220
abrupta Greg. 7973, 8738, 9029, 9I95, I0384(p), I0388, I039I, II442, I3I6I, I3I65, I3706
accurata Hust. 965I
acuta Skv. I3756(o,p)
adversa Krasske I0220
affinis Ehr. 8266
ajajensis Skabitsch. I0I52, II688, I2I24, I320I, I35I7(o), I373I
ambigua Ehr. 8266, II828
americana Ehr. 7054, 7973, 7975, 878I, 9057, 9444, I02I8, I0220, II694, II866, I2320, I2405, I3I68, I3756(o,p)
- f. delicatula Moiss. I0900, I0902, I0903
ammophila Grun. 8738
- var. ammophila II083, II085
- var. degenerans Grun. II083, II085
- var. intermedia Grun. 8738
amphibola Cl. 7I30-7I32, 7I35, 7I37, 7I39, 7I42, 7489, 7492,

7494, 7497, 753I, 762I, 7973, 7975, 8I48, 8422, 8694, 8709, 879I, 8896, 8976, 898I, 9057, 9058, 9379, I0200, I020I, I024I, I037I, I0382, I0532, I0646, I0939, II3II, II530, II694, II908, I2584, I3I68, I3I69, I320I, I3206, I3207, I3354, I3758(o,p)
- var. amphibola 8423, I02I8, I0220, I0902
- var. curta Skv. I3756(o,p)
- var. gracilis Skv. I373I
- var. manschurica Skv. I0902
- var. orientalis (I.Kiss.) Zabelina 7054, 7I37, 7973, 8690, I020I, I02I8, I0220
- var. subsalina Skv. I3758(o,p)
amygdalina Hust. 7054, 7973, 869I, 8700, I320I
- f. tenera Moiss. I0900, I0902, I0903
andrussowii Pant. 97I9, 9720
anglica Ralfs 7I03, 7984, 800I, 8038, 830I, 8738, 9057, 9220, 9443(o), 9444, 9749(o), 980I, I0099, I02I8, I0220, I024I, II223, II694, II866, I3503, I3504, I35I7(o), I35I9, I3524, I3525, I3668, I3756(o,p), I3758(o)
- var. anglica 8423
- var. minuta Cl. 7I50, 8384, 9087(p), 9568, I0956, I3522
- var. subcruciata Grun. II222
- var. subsalsa Grun. 980I, I3756(o,p), I3758(o)
annulata Grun. 97I7
antiqua Skv. I3756(o,p)
appendiculata (Ag.) Kütz. 8266
approximata Grev. 898I
- var. schleinitzii (Jan.) Hust. 8368(o,p), 8370
arguens Skv. I3756(o,p)
atlantica (A.S.) Perag. 9029
atomus (Näg.) Grun. 7376, 980I, I02I8, I0220, I07I5, II03I, II074(o), IIII2, II694, I2877, I3246, I3668, I3756(o,p)
avenacea (Bréb.) Cl. III85, II694
baccata Brun I3353
bacilliformis Grun. 7489, 7497, 7597, 830I, 878I, 9057, 9444, 9748(o), 9749(o), 980I, I2320, I3I68, I3354, I3526, I3646, I3647
- var. bacilliformis II694
- var. bullata f. minor A.Cl. II694
bacillum Ehr. 7054, 7497, 7922, 7973, 800I, 8034, 8038, 8254, 830I, 8422, 8709, 878I, 9057, 9059, 9060, 9242, 9289, 9357, 9358, 9360, 9444, 9445, 9649, 97I7, 9748(o), 9749(o), 980I, I0046, I0080, I020I, I02I8, I0220, I024I, I0245, I0683, I0939, II223, II529, II695, II866, I2320, I2405, I3I68, I320I, I3354, I3583, I3668, I3756(o,p)
- var. bacillum 8423, III84
- f. bacillum II694
- var. gregoryana Grun. 7973, 878I, I0646, I0939, I3I68, I3668
- var. hankensis Skv. I35I7(o)
- var. lepida (Greg.) Cl. 7054, 869I, 8700(p), II45I
- var. major Herib. I320I
- var. minor V.H. I0939, III90(o,p), I3354, I3668
- - f. trinodis Boye-Pet. I2405
barkleyi De Toni 97II
bella Kar. 9462(o,p)

bicapitata Jousé 9057, I3I68
bicapitellata Hust. 980I, I0I52, I0646, I0956, III90(o), I30I2, I3439, I3517(o)
binodis Ehr. 800I, 9443(o), 9444, 9445, I0I48, I0955, III90(o), I3668
bituminosa Pant. var bituminosa I0902
brasiliensis Grun. I320I
brebissonii Kütz. 8266
bryophila Boye-Pet. II694, I3522, I3668
bulnheimii Grun. I3354
cancellata Donk. 7I64, 8972, 9220, II085, II537, II579, I3706
- var. cancellata II083
- var. capitata II578
- var. gregoryi Ralfs 8738, I3706
- f. minor Schulz II9I0
- var. retusa Bréb. 9220, I3645
- var. subapiculata Grun. II442
- var. subcapitata Grun. II579
cari Ehr. 7I42, 7489, 7497, 8038, 8694, 9057, 9356, 9360, 9379, 9694, I0080, I0I48, I02I8, I0220, I0955, I0956, I0975, II694, I2095, I3373, I3499, I3504, I3506, I35II, I35I7(o), I35I9, I3524, I3525, I3646, I3647, I3668
- var. cari III94(o)
cincta (Ehr.) Kütz. 7I50, 7I87, 7I88, 7620, 762I, 8038, 89I3, 89I4, 8922, 9057, 9292, 9357, 9568, 9643, 975I, 980I, I0080, I0099, I02I8, I0220, I024I, I0245, I0246, I0248, I0665, I0956, I0973, I0975, III12, III13, II537, II579, II695, I2095, I2320, I2933, I2934, I2944, I2945, I3168, I3246, I3449, I3502, I3505, I35II, I35I7, I35I9, I3522, I3524, I3525, I3529, I3668, I3758(o,p)
- var. cincta 9456, 9457, 9459, II694, I2579, I2939
- var. heufleri Grun. 7I83, 8034, 8038, 9057, 9357, 9749(o), II579, II694, I2579, I3168, I3246, I3517(o), I3668
- f. heufleri Grun. I3524
- var. heufleriana Grun. I3522
- var. leptocephala (Bréb.) Grun. 980I, I07I5
- f. sphagnicola Skv. I3757(o,p)
cingens Skv. I320I, I3756(o,p)
circumsuta (Bail.) Grun. 9029
citriformis Lupik. 8293, I04I2, I04I3(o,p)
clausa I3645
clementis Grun. 7973, 878I, II083, II085, I3354
cocconeiformis Greg. 7054, 7973, 8700, 8738, 878I, 9057, 9087, 9289, 9568, I02I8, I0220, I0247, I0248, II3II, II694, I2320, I2405, I3168, I3522
complanatula Hust. 9464(o), II087(o)
confervacea Kütz. 898I, 9449, I3365
- var. baikalensis Skv. I3756(o,p)
constantinii (Skv.) Skabitsch. I320I, I3524
contenta Grun. 7I3I, 7I32, 7I42, 8976, I0939, I3246, I3354
- f. biceps Arn. 8422, I3246, I3759(o,p)
- f. elliptica Krasske I3759(o,p)
- f. parallela Boye-Pet. 8603, I0939, I3246
costulata Grun. 7054, 7973, 8038, 8700, 9057, 9444, 9445, I02I8, I0220, II45I, II694, II695, I2320, I3I68, I3353, I3668, I3756(o,p)
- var. baikalensis Skv. I3756(o,p)
- var. sibirica Skv. I3758(o,p)
costuloides Skv. I0548, I3756(o,p)
cotschiji Grun. 8266
creuzburgensis Krasske 9456, 9457, 9459, 946I
criophila (Castr.) De Toni 9000(o,p), 9703, 9704, 9705(p)
crucicula (W.Sm.) Donk. 7I37, 878I, 9087, 98I9, I020I, I0683, I07I5, II694, I3353
- var. obtusata Grun. 9444, 9445, I0247, I0249, I0975, I35I7(o), I3756(o,p)
- - f. turkestanica E.Kissel. 90I8(o), 9444, 9445
crucigera W.Sm. 8738, I35I7(o)
cryptocephala Kütz. 7054, 7I03, 7I04, 7I3I, 7I32, 7I35, 7I42, 7I82-7I86, 7I88, 72I5, 7296, 7749, 7922, 7973, 7983, 7984, 7986-7989, 7993, 7994, 8000, 800I, 8034, 8038, 82I6, 8254, 8266, 830I, 832I, 8555, 8559, 8604, 878I, 880I, 8854, 8859, 8877, 89I4, 89I7, 8922, 898I, 9009, 90I0, 90I8(o), 9029, 9053, 9057, 9060, 9078, 9220, 9289, 9292, 9357, 9385, 9456, 9476, 9502, 9504, 9568, 9648, 9649, 9666, 9668, 9749(o), 975I, 980I, 9882, 9932, 9938, 9959, I0046, I0077, I0080, I0I48, I0I5I-I0I53, I0I69, I0I95, I020I, I024I, I0246, I0248, I0362, I0363, I0548, I0646, I07I5, I0939, I0955, I0956, I0973, I0975, I0997, III90(o), II225, II229, II279, II529, II530, II537, II57I, II578, II579, II828, II830, II866, II930, II932, II965, I2052, I2054, I2055, I2320, I2343, I2346, I2347, I2363, I2383, I24I6, I2420, I2579, I258I, I2645, I2762, I2928, I2934, I2936, I2944, I2945, I2950, I30I2, I30I4, I3027, I3I20, I3I27, I3I56, I3I77, I3I78, I3246, I3249, I3267, I3269, I3287, I3354, I3373, I3482, I3497, I3499, I3504, I35II, I35I5, I35I7(o), I35I9, I3520, I3522-I3524, I3526, I3528, I3529, I356I, I3562, I3564, I3565, I3668, I3669, I3706, I3756(o,p)
- f. capitata I0245
- var. cryptocephala 8685, 8686, 869I, 8700, 9444, 9445, 9456, 9457, 9459, I02I8, I0220, I0245, I0247, III28, III84, III85, III94(o), II442, II694, II695, I2650, I27I0, I2939, I327I, I3272, I3274, I3283, I3294, I3586
- var. exilis (Kütz.) Grun. 7922, 7993, 7994, 980I, I0080, I35I7(o), I3756(o,p)
- var. intermedia Grun. 7984, 800I, 8038, 8254, 830I, 8423, 8555, 90I8(o), 9057, 9297, 9444, 9445, 980I, I02I8, I0220, I0245, I0248, I0468, I0548, I07I5, I0955, I0956, III90(o), III94(o), II442, II57I, II578, II579, II694, II695, II866, I2320, I27I0, I276I, I2762, I30I2, I3246, I3249, I3269, I3274, I3354, I3505, I35I7(o), I35I9, I3522, I3524, I356I, I3562, I3564, I3565, I3668(p), I3706, I3758(o,p)
- var. lata Poretzky et Anissim. 97I7, 9749(o), I024I, II57I, II579, I35II, I35I7(o), I3524
- var. perminuta Grun. II694, I3668
- var. subsalina Hust. I3522
- var. veneta (Kütz.) Grun. 7054, 7I87, 7222, 7983, 7988, 7989, 800I, 8038, 830I, 8423, 869I, 8700(p), 8738, 9057, 9059, 9298, 9444, 9445, 9456, 9457, 9459, 9649, 9749, I0080,

I02I8, I0220, I024I, I0245, I0247, I0548, I07I5, I0956, III84, III94(o), II57I, II578, II579, II694, II695, I2637, I27I0, I30I4, I3246, I3249, I3283, I3373, I35I7(o), I35I9, I3522, I3524, I356I, I3562, I3564, I3565, I363I, I3706, I3756(o,p), I3758(o)
cuspidata Kütz. 7377, 7489, 7492, 7494, 7497, 7922, 7973, 7993, 800I, 8038, 8207, 8266, 8694, 8738, 878I, 89I2-89I4, 89I7, 8976, 9057, 9078, 9289, 9298, 9362, 9568, 9694, 980I, 9932, 9938, 9959, I0080, I0099, I024I, I0242, I0646, I0665, I0939, III23, III35, III90(o), II223, II695, II828, II866, I2I22, I2320, I2343, I2347, I2350, I258I, I2906, I2933, I2934, I2950, I3008, I30I2, I3246, I3249, I3354, I3583, I3646, I3668, I3756(o,p), I3758(o)
- var. ambigua (Ehr.) Grun. 7I50, 7I83, 7I88, 800I, 8038, 8422, 8570, 878I, 90I8(o), 9057, 9297, 9444, 980I, I0I53, I024I, I0646, I0975, III90(o), III94(o), II223, II694, II866, II930, II932, I2320, I2934, I2937, I30I2, I3I68, I3246, I3249, I3283, I3522, I3668, I3758(o)
- var. cuspidata 9444, 9445, III84, III94(o), II694, I3283
- - f. cuspidata I2939
- - f. subrostrata Dipp. I2939
- var. hankae Skv. I3274
- - f. craticularis Skv. I373I
- var. primigena Dipp 980I
- f. primigena Dipp. 8038, 9289, I0046, I024I, III90(o), I3246
- f. subrostrata Dipp. 8038, III90(o), I2934, I2950
dahurica Skv. I3499, I3504, I35I7(o), I3756(o,p)
delicatula Skv. I3756(o,p)
derasa Grun. I289I
dicephala (Ehr.) W.Sm. 7054, 7I42, 7497, 7973, 800I, 8038, 8422, 878I, 90I8(o), 9029, 9057, 9379, 9749, 980I, 9959, I0099, I020I, I0239, I024I, I0956, I0973, IIII2, IIII3, III90(o,p), II223, II694, II695, II866, I2320, I2405, I2482, I2638, I2933, I3I68, I3246, I3269, I3354, I3502, I35I7(o), I35I9, I3522, I3668
- var. dicephala 869I, 8700, 9444, I0902, III28, III94(o)
- var. elginensis (Greg.) Grun. 8038, 9057, I0968, I320I
- - f. triundulata I.Kiss. 8038, 9443(o), 9444
- f. triundulata I.Kiss. I07I5, I2809
digitoradiata (Greg.) A.S. 7973, 7975, 8038, 8738, 9087, 9220, 9357, 9568, 9748(o,p), 9749(o), 980I, I02I8, I0220, I0546, I0548, I0772, II537, II542, II545-II547, II579, II694, I3645, I3668
- var. cyprina 8034, I0I02, II442
- var. digitoradiata 9457, 9459, I0468, II442
diluviana Krasske 7054, 7I39, 800I, 8700, 8976, 8988, 9057, I0665, II694, I3I68, I3524, I3668(p)
directa W.Sm. 74I5, 74I6, 7424, 753I, 7685, 898I(p), 97I6, II085, II442, I2892, I3I60, I3649
- var. directa II083
- var. genuina Cl. I289I
- var. subtilis (Greg.) Cl. I289I
dispensata Hust. et Manguin f. dispensata II694
dissipata (Kütz.) Grun. I3747
distans W.Sm. 7530, 753I, 7597, 8I48, 8737, 8738, 8780, 8972,

898I(p), 9000, 9002, 9029, 9I95, 97II, 97I5, I0379, I0380, I0384, I0388, I039I, III68, II3II, II9I0, I3I60, I3I62, I3353, I3649, I3706
diversestriata Jasnitsky I320I
elegans W.Sm. 9258, I3668
- f. cuspidata Cl. 8738, 972I
elenkinii Gorjatsch. 8522(o,p)
elongata Poretzky I024I, I0245, II424, II933, I320I, I3524
excelsa Krasske II694
exigua (Greg.) O.Müll. 7I3I, 7I32, 7I35, 7I42, 7I88, 800I, 8038, 830I, 878I, 8976, 9057, 9220, 9289, 9292, 9357, 9362, 9443(o), 9444, 958I, 9749(o), 980I, I0080, I0I53, I02I8, I0220, I024I, I0245-I0248, I0388, I0646, I07I5, I0955, I0956, I0997, III90(o,p), II529, II694, II866, I2320, I27I0, I3I78, I3246, I3373, I3499, I3504, I35I7(o), I35I9, I3522, I3524, I3525, I3530, I3646, I3647, I3668, I3756(o,p), I3758(o,p)
- var. elliptica Hust. 7I32, 7I35, 8738, I0384, I3246
- var. exigua I0008, I0902, I3283
exilis Kütz. 8266
falaisiensis Grun. 9220, I07I5, IIII7, II529, II694, I3373, I35I7(o), I3524, I3668
faernefeltii Hust. I3354
fennoscandica A.Cl. 7973, 7975, 8694, 8738, 878I, II3II, I3206, I3354
finmarchica Cl. et Grun. 753I, 898I, 92I4
flabellata Meist. I0902
fluens Hust. 90I8(o)
- var. baikalensis Skv. I3756(o,p)
- var. subrostrata Skv. I3756(o,p)
fluminis-irtysch Tschist. 8038
forcipata Grev. 753I, 7685, 8738, 878I, 898I, 9357, 9360, 9456, I02I8, II9I0, I2004, I3I6I, I3I62, I3353, I3706, I3724
- var. balnearis Grun. I3706
- var. densestriata A.S. I3353, I3499, I35I7(o), I3526, I3706
- var. forcipata 9459, 9460(o), I0468, II442
- var. nummularia Grev. 8738, I3I6I, I3I62, I3706
- var. suborbicularis Grun. 8738, I3353
fragilarioides Krasske I3526
fraudulenta A.S. 8737, 8738
fritschii J.Lund 7749
frugalis Hust. II694
fusca (Ehr.) Grun. 9694
fusticulus Östr. I3I68
gastriformis Hust. I0902
gastrum Ehr. 7I42, 7507, 7973, 800I, 8694, 8737, 8738, 878I, 8896, 9057, 9357, 9360, 9568, 9748(o), 980I, I0099, I024I, I0548, I0646, I0939, II578, II688, II694, II866, I2320, I30I2, I3I68, I3524, I3528, I3668, I3756(o,p), I3758(o)
- var. baikalensis Skv. I320I
- var. exigua Greg. 7054, 7973, 8423, 8700(p), I3354
- var. gastrum 8700, 9457, 9459, 972I, I02I8, I0220, I3283
- var. hankensis Skv. 98I9, I02I8(o), I0220
- var. limnetica Skv. I373I

- var. minor Krasske I0900, I0902-I0904
- var. remotestriata Cl. 830I
- var. signata Hust. I0900-I0902, I0904, I3365
gelida Grun. 898I, 9000, I289I, I2892
- var. parvula Heid. 9703, 9705(p)
gibbula Cl. 9087
glabriuscula var. ellipsoidalis Pr.-Lavr. II8II(o,p)
glacialis Cl. 749I, 878I, 898I(p), 9000, 972I, I3353
- var. septentrionalis Cl. 7I30, 7I32, 7I37, 7494, 8384, 8738, 9087(p), I020I, I3694
glaciei V.H. 7735(p), 9703, 9705(p)
glasovii Zaik. 9057
gothlandica Grun. 7676, 9444, 97I7, 980I, I0I48, I0I50, I0I52, I0I53, I0548, II442, II694, I35I7(o), I3668
- var. orientalis I.Kiss. 8248
gracilis Ehr. 7I3I, 7I32, 7I35, 7I37, 7I42, 7I85, 7383, 753I, 7735(p), 7983, 8000, 800I, 8038, 8254, 8266, 8709, 8737, 8738, 878I, 8976, 9009, 90I2, 90I8(o), 9053, 9220, 9292, 9297, 9444, 9445, 9459, 9460(o), 9463, 9568, 9580, 9748(o), 9796, 980I, 98I9, 9959, I0046, I0080, I0I29, I02I8, I0220, I024I, I0242, I0245, I0247, I0248, I0546, I0548, I0646, I0905, I0956, I0959, I0975, III90(o), II579, II625, II694, II866, I2I54, I2383, I2420, I3246, I3249, I3269, I3283, I3373, I3497, I35[illegible]I, I35I7(o), I35I9, I3524, I3525, I3583, I3668, I3756(o,p)
gracilloides A.Mayer 90I8(o), 9057, 97I7, 980I, I02I8, I0220, II694, I2364, I35I7(o), I35I9, I3524
granii (Jörg.) Gran 9I24, II088, II994, I2228, I27I0, I289I, I3645
granulata Bail. 753I, 8738, 898I, I0I02
granulifera Skv. I3756(o,p)
gregaria Donk. 7I83, 7I87, 7I88, 72I8, 7984, 7995, 8038, 9444, 9445, 9456, 9459, 9460(o), 9666, 980I, I0I53, I024I, I0245, I0798, I0955, III90(o), II57I, II579, II694, I2095, I35I7(o), I3668, I3756(o,p)
- var. thurholmensis Dannf. II579
gregoryana Grun. II694
grevillei Ag. 8738
- var. remotiva Pr.-Lavr. II8II(o,p)
grevilliana (W.Sm.) Hendey II083, II085
grimmei Krasske 8038, 9057, 9443(o), 9444, 9445, I0956, I3522
- var. rostellata Hust. 965I, I3522
halophila (Grun.) Cl. 7I88, 7984, 800I, 8038, 9444, 9445, 9649, 9694, 980I, I0546, I0548, I0955, I0956, II694, II695, I2095, I27I0, I3499, I35I7, I35I9, I3522, I3668
- var. subcapitata Östr. II579
- f. subcapitata Östr. 800I, I0I53, I35I9, I3668
hamulifera var. plicata Pr.-Lavr. II8II(o,p)
hassiaca Krasske II694
hasta Pant. 9449, I0I53, II688, I3009, I30I0, I320I, I3499, I3503, I3504, I35I7(o), I3668, I3756(o,p)
hedinii Hust. 965I
helvetica Brun 9959
hennedyi W.Sm. 7I30, 7I32, 7I37, 749I, 8254, 8364, 8370, 8737, 8738, 898I(p), 9029, 9220, I020I, I0384(p), II696(o,p), I3I60, I3I7I, I3353, I3694
- var. hennedyi I0468
- var. luxuosa A.Cl. 749I, 9204
heufleri Cholnoky II694
heufleriana (Grun.) Cl. I3I68, I3246
humerosa Bréb. 7983, 8I82, 8738, 878I, 9029, 9220, 9449, 9458, I0080, I0468, I0546, I0548, II442, I27I0, I320I, I3354, I3706
- var. constricta Cl. 8737, 8738, I0548, II546, I3I60
- var. humerosa 9456, 9457, 9459
hungarica Grun. 7054, 7676, 7973, 800I, 8038, 8266, 830I, 878I, 8922, 8976, 9057, 9087, 9357, 9360, 9362, 9443(o), 9694, 980I, I0I52, I0I53, I0956, III83, II579, II866, I3I7I, I3269, I3354, I3499, I35I7(o), I3668
- var. capitata (Ehr.) Cl. 7054, 7I83, 762I, 7973, 7988, 7993, 800I, 8038, 8254, 8700, 878I, 8859, 89I2, 9297, 9298, 9357, 9444, 9445, 9694, 9749(o), 980I, I0047, I0080, I0099, I02I8, I0220, I024I, I0245, I0248, I0646, I0905, III84, III90(o), II694, II866, I2320, I2347, I2933, I2934, I2944, I3I68, I3246, I327I, I3274, I3294, I3373, I35I7, I3583, I3668, I3747
- var. hungarica 8700(p), 9444, II45I, II694
- var. untermedia Skabitsch. 878I, I02I8, I0220, I320I
- var. linearis Östr. 800I, I0245, I0247, II579
- var. luneburgensis Grun. 7054, 7973, I0247, I0249, I3I68, I3I7I
hustedtii Krasske 7973, 9057, I0077, I0080, I0082, I0956, II694, I35I7(o), I3522, I3524, I3668
ignota Krasske I3757(o,p), I3759(o,p)
imperfecta var. antarctica Heid. 9703, 9705
importuna Hust. I35I7(o), I3522
incerta Grun. 9748(o), 9749(o), II578, II579, I35I9, I3524, I3525
inflata Donk. I35I7(o), I3524
- var. istvanffyi (Pant.) Hust. 8895
inflexa Greg. 7I32, 7I37, I020I
insociabilis Krasske I3246, I3249, I3250
integra (W.Sm.) Ralfs 98I9
intermedia var. exilis I2363
intricata Kar. 9459, 946I
jamalinensis Cl. I3706
- var. simiaevultus (Brun) Cl. 972I(p)
jarnefeltii Hust. 7973, 8738, 878I, I02I8, I0220, II3II, II694, I3I68, I3353, I3354
jarrensis Grun. II696(o,p)
jasnitskyi Skv. et C.Meyer I320I
jejinoides V.H. 9000, 9703, 9705(p), 97II
- f. longissima V.H. 7735(p), 9703, 9705(p)
jentzschii Grun. 7054, 7973, 7975, 830I, 8700, 8738, 8739, 878I, 8972, 8976, I02I8, I0220, I07I5, I0902, II45I, II694, I320I, I3354
jimboi Pant. 8896, 8988, I3I67
johanrossii Giffen II083, II085
johnsonii Giffen II083, II085

kariana var. detersa Grun. I2892
kefvingensis (Ehr.) Kütz. I3I63
kenon Skv. I3758(o,p)
kepesii Grun. II442
klavsenii Östr. II442
kolbei Poretzky et Anissim. 9649, 965I
kotschyi Grun. 8976, 9060
- var. asymmetrica I.Kiss. 7I38, 9087
- var. kotschyi 9444
- var. robusta Hust. 7I30, 7I32, 7I37, 7494, 9058, 9087, 9444, I020I, II530
krasskei Hust. II866
kryokonites var. semiperfecta Cl. I3I63
kryophila Cl. I2228
lacus-baikali Skv. et C.Meyer 9748(o), I3I69, I320I, I3756(o,p)
- var. lanceolata Skv. I35I7(o), I3756(o,p)
- var. simplex Skv. et C.Meyer I320I, I3756(o,p)
lacustris Greg. 7054, 7973, 878I, 9444, 980I, 9932, 9938, I0202, I0548, I0939, II866, II930, I3I68, I320I, I3354, I34I2, I3706, I3756(o,p)
- var. apiculata Östr. 8038, I02I8, I0220, I024I, I0548, II694, I3I68, I3499, I35I7(o)
- var. baikalensis Skv. I3756(o,p)
- var. elliptica Heid. 9057
- var. elongata Skv. et C.Meyer I3756(o,p)
- var. lacustris I02I8, I0220, III94(o), II694
- var. parallela Wisl. et Kolbe 7054, 7973, 878I, 9242, I02I8, I0220, I0548, I320I, I35I7(o)
- var. paulseniana (Boye-Pet.) Zabelina 9694, 9749(o), I02I8, I0220, III94(o), I3505
lagerheimii Cl. 9444, 9445
- var. intermedia Hust. I3759(o,p)
lagerstedtii Cl. 7I30, 7494, 9058, IIII2, IIII3
- var. palustris Hust. 7I32, 7I37, 7973, I020I, I3706
lambda Cl. II694, I3668
lanceolata (Ag.) Kütz. 7054, 7922, 7984, 7986, 7988, 7989, 800I, 8266, 830I, 8555, 878I, 8825, 9289, 9292, 9357, 9444, 9445, 9502, 9504, 9748(o), 9749(o,p), 9796, 980I, 9959, I0077, I0080, I0082, I0I53, I02I8, I0220, I024I, I0548, I0646, I07I5, I0955, I0956, I0997, III90(o), II579, II695, II866, I2050, I2095, I2320, I2346, I2383, I2579, I27I0, I3I68, I3246, I3354, I3373, I364I, I3668, I3756(o,p)
- var. arenaria Donk. 800I, II693, I320I, I35I7(o)
- var. cymbula (Donk.) Cl. II694, II695, I2320, I3246, I363I(p), I3756(o,p)
- var. lanceolata 8423, 8700, 9459, III94(o), II694, II695
- var. tenella A.S. I024I, I07I5, I0956, II694, I35I7(o), I363I, I3668
- var. tenuirostris Skv. 9289, 9748(o), 980I, I0I53, I024I, I0548, II694, I2095, I35I7(o), I3524, I3756(o,p)
lancetula Schum. 9057
lapidosa Krasske I3759(o,p)
laterostrata Hust. 7054, 753I, 8700, 9057, I024I, I0902, II694, I2I95, I3I68, I3522, I3646, I3647, I3668
laticeps Hust. II694

latissima Greg. 93I2, I3I64
- var. capitata Pant. 9029, 9220
- var. latissima 9457-9459, I0468
lenzii Hust. I02I8, I0220, II694
longirostris Hust. 9694, I35I7(o), I3524
- var. sibirica Skv. I3758(o,p)
lucida Pant. I3524
lucidula Grun. 980I
lundstroemii Cl. 9357
- var. subcapitata Wisl. et Poretzky I0247, I0249, I3499, I35I7(o)
lyra Ehr. 749I, 7494, 7497, 7868, 7869, 8034, 8364, 8738, 9220, I0I36, II442, II537, II579, II696(o), I2I50, I2I5I, I3I60-I3I62, I3I65, I3I7I, I372?
- var. atlantica A.S. 8384, 9087, 9220, I0468, I3706
- var. ehrenbergii Cl. 8738, I3I62
- var. elliptica A.S. I0I02, II083, II085, I3I62
- var. intermedia Perag. 749I, 7494, 753I, 8737, 8738, 898I, I3I60
- var. lyra 972I
- var. subelliptica Cl. 7597, 8737, 8738, I0384, I0388, I0389, I039I, I3I60-I3I62
magna Skv. I3756(o,p)
- var. curta Skv. I3756(o,p)
major Kütz. 8266
mayeri var. acutiuscula A.Cl. 965I
mediocris Krasske II694
mediterranea Cl. et Brun I3353
meniculus Schum. 7054, 7I39, 7489, 7973, 8000, 800I, 8038, 878I, 9057, 9059, 9289, 95I2, 9749(o), 980I, I0046, I0047, I0080, I0099, I0I53, I024I, I0245-I0247, I0939, II279, II578, II579, II694, II866, II932, I2095, I2320, I2347, I2579, I2934, I3I68, I3246, I3249, I3269, I3354, I35I7(o), I3524, I3583, I3668, I3756(o,p)
- var. meniculus 8II0, 869I, 8700, 9357, 9459, I02I8
- var. meniscus (Schum.) Hust. 7989, 7993, 800I, 8423, 9289, 9580, I02I8, II57I, II578, II579, I3373, I3526, I3668
- var. upsaliensis Grun. II45I
meniscus Schum. I0I5I, I0220, II694, I35II
mesolepta Ehr. I0822
meyeri Skv. I3756(o,p)
microcephala Grun. 980I, I07I5, IIII2, IIII3, II694, I3522, I3524, I3668
microstauron (Ehr.) O'Meara 8266
minima Grun. 8266, 980I, I07I5, I0956, II694, II720, II878, I28I9, I2878, I3246, I3505, I35I7(o), I3666, I3668
- var. atomoides (Grun.) Cl. 7373, I02I8, I0220, I07I5, IIII2, IIII3, I3246, I3668
minuscula Grun. 8266, 980I, I02I8, I0220, I0245, I0646, I07I5, II694, II866, I3246, I35I9, I3668
monilifera var. heterosticha Cl. 7597, 7868, 7869, 8737, 8738, 9029, I0I02, I0384, I0388, I0389, I039I, I3I60, I3I6I
muralis Grun. 830I, 980I, II694, I3526, I3668
muscosa Skv. I3757(o,p)

mutica Kütz. 7I3I, 7I32, 7I42, 7373, 7497, 753I, 7676, 7677, 7700, 7749, 7750, 7753-7755, 7973, 8038, 8266, 8432, 8570, 8737, 8738, 8976, 8988, 9057, 9059, 9060, 9087, 9379, 9715, 980I, 9932, 9959, I020I, I0248, I0325, I0327, I0328, I0532, I09I2, I0939, I0956, II264, II529, II530, II578, II720, II866, I2320, I28I0, I2933, I3I68, I3246, I3353, I3354, I3439, I35I7(o), I3666, I3668, I3706
- var. bidens 7I38
- var. binodis Hust. 9749(o), I3246
- var. cohnii (Hilse) Grun. 9444, 9460(o), 9580, 980I, II578, I2320, I3246, I3439, I3453
- var. gracilis Hust. 9444, 9445
- var. goeppertiana Bleisch. I3668
- var. mutica 7377, 9444, I0902, II694, I3453
- var. nivalis (Ehr.) Hust. 7750, 7752, 7754, 7755, 9443(o), 9444, 980I, I0080, III90(o,p), II694, I2I94, I2I95, I3246, I3453, I35I9, I3668
- var. producta Grun. I3668
- var. quinquenodis Grun. I3526
- var. tropica Hust. 9443(o), 9444, 9445
- var. ventricosa (Kütz.) Cl. 7377, 7973, 830I, 8422, 9087, I0532, I07I5, I3246
nivalis Ehr. I3657
normalis Hust. II083, II085
oblonga Kütz. 7I30, 7I35, 7I37, 7I39, 7I42, 7I50, 7I88, 7490, 7492, 7494, 7497, 7973, 800I, 8038, 8I44, 8207, 8694, 8738, 878I, 8976, 8988, 9057, 9059, 9087, 9298, 9356-9358, 9360, 9362, 9444, 9445, 9649, 9664, 9694, 97I7, 980I, I0047, I020I, I024I, I0384, I0646, I0665, III23, III90(o), II222, II3II, II694, II695, II866, I2I5I, I2320, I2347, I3I65, I3I68, I3352
- var. oblonga 8423
- var. subcapitata Pant. 7I88, 975I, 980I, I0665, I3I68, I3I69, I3668
- var. subparallela Rattr. I3758(o,p)
obtusangula Hust. 7054, 7973, 8687, 869I, 8700, I024I, I3668
obtusata Kar. 9462(o,p)
omega Cl. 8368(o,p), 8370
opportuna Hust. II694
orientata Kar. 9462(o,p), 9463
paanaensis A.Cl. II694
palea Hass. I07I5
palpebralis Bréb. 8738, 9029, 9220, I3I62, I3724
- var. angulosa Greg. III68, I3706
- var. minor Grun. 8738, I3I62
paradoxa Skv. I3756(o,p)
paratunkae Boye-Pet. I3522
pelagica Cl. 82II, 9747, II994, I2004, I2228, I2955, I2956, I2962
pelliculosa (Bréb.) Hilse 74I5, 9057, I0046, I0069, I0I90, I0245, I0248, I07I5, II479, II483, II694, II720, I3008, I3246, I3439, I3666, I3668, I3713, I372I
pennata A.S. 9220, I02I4
- var. pontica Mer. 8038, 8444, 8527, 9220, 9457-9459, 9460(o), I0I37, I0I42, I02I4, I0673, I0803

peregrina (Ehr.) Kütz. 7I30, 7I32, 7I37, 7676, 7973, 7975, 7984, 800I, 8038, 8253, 8738, 878I, 8972, 90I8(o), 9242, 9356, 9357, 97I5, 980I, 9972, I0I52, I0I53, I020I, I024I, I037I, I0548, I0665, I0956, I0973, II442, II579, II696(o,p), I27I0, I320I, I3205, I3206, I3352, I3373, I35I7(o), I3522, I3645-I3647, I3668, I3706, I3724, I3756(o,p)
- var. asiatica Skv. 7054, 869I, 8700, I0I53, I3499, I35I7(o)
- var. hankensis Skv. I3503, I3504, I35I7(o)
- var. kefvingensis (Ehr.) Cl. 7I88, 800I, 8038, 8737, 8972, 94443(o), 9444, 9748(o), 98I9, I020I, I02I8, I0548, I0939, I2936, I3I63, I320I, I3354, I35I7(o), I3706, I3756(o,p)
- var. lanceolata Skv. 7983, 830I, 8423, 90I8(o), 9057, 980I, I024I, I0245, II57I, II578, II579, II694, I3354, I3522, I3668, I373I
- minor Kolbe 8384, 9087(p)
- var. minuta Skv. 9749(o), I0280, I373I
- - f. curta Skv. I02I8(o)
- var. peregrina 9457, 972I, I02I8, I0220, I0245, I0939, III84, III86, II694
- var. polaris Lagerst. I35I7(o)
peregrinoides Muzaf. III84
perpusilla Grun. II694
phoenicenteron (Nitzsch) Ehr. 8266
phyllepta Kütz. II694
placenta Ehr. 7973, 9449, 972I, II866, I3668, I3757(o)
placentula (Ehr.) Grun. 7054, 72I5, 7507, 7973, 800I, 8038, 8700, 878I, 898I, 9029, 9057, 92I4, 9220, 9292, 97I5, 9748(o), 975I, 980I, I024I, I0548, I0646, I0939, I0956, II579, II866, II932, I2095, I2347, I2350, I2383, I27I0, I2906, I3I68, I3249, I3269, I327I, I3354, I35I7(o), I3668, I3756(o,p), I3758(o)
- f. jenisseyensis (Grun.) Meist. I320I, I3522, I3583, I3756(o,p)
- var. lanceolata Grun. 878I, II866
- f. lanceolata Grun. 980I, I0956, I2347, I3249, I3583
- var. latiuscula Meist. II866
- f. latiuscula (Grun.) Meist. 9748(o), 980I, I0245, I0548, II694, I3I68, I3354, I3668
- f. minuta Boye-Pet. 9444, II694, I3283
- var. placentula 9444, I02I8, I0220
- f. placentula II694
- var. rostrata A.Mayer 7973, 878I, 9502, I02I8, I0220, I024I, I2320, I3758(o)
- f. rostrata (A.Mayer) Hust. 7054, 8038, 9057, 9289, 9444, 9504, 9748(o), 9749, 975I, 980I, I0548, II694, I2095, I2347, I3I68, I35I7(o), I3522, I3583, I3668, I3756(o,p)
platystoma Ehr. 7054, 7973, 878I, 9357, 9748, I0080, I0099, II866, I3373, I3654
- var. pantocsekii Wisl. et Kolbe 7054, 7973, 878I, I02I8, I0220, II694
- var. platystoma 8700, I02I8, I0220, II694
plicata Donk. 8738
podolica Gaponov 9720
polymorpha Lagerst. 97I9
poretzkajae O.Korotk. II082(o,p), II083, II085

praetexta var. antarctica V.H. 9Q00
protracta Grun. 7I30, 7I37, 8266, 878I, 9057, 9242, 9357, I0080, I020I, I0548, III86, II579, II694, I35I7, I3668
- var. protracta I02I8, I0220
- var. subcapitata Woronich. 7054, 869I, 8700, I0046, I02I8, I0220, I35I7(o)
pseudatomus Lund I3439
pseudobacillum Grun. I3668
pseudococconeiformis Poretzky II694, I3668
pseudogracilis Skv. 7054, 7973, 8685, 8686, 869I, 8700(p), II45I, I22I7, I35I9, I3525, I3756(o,p)
pseudoscutiformis Hust. 7054, 7I32, 7973, 830I, 869I, 8700(p), 878I, 8976, 9087, 9362, 9447(o), I02I8, I0220, I04I4, I0683, II3II, II45I, II693-II695, I2405, I3I68, I3354, I3668
pseudoventralis Hust. II694
punctulata W.Sm. 8034, 8738, 980I, I3495
pupula Kütz. 7497, 7973, 8038, 830I, 8738, 878I, 9057, 9289, 9580, 980I, I0046, I0080, I020I, I024I, I0245, I0248, I0646, IIII2, IIII3, IIII7, II222, II442, II529, II695, II866, I2320, I2347, I2383, I2449, I30I2, I3I63, I3I68, I320I, I3246, I3353, I3354, I3526, I3583, I3646, I3647, I3668, I3758(o,p)
- var. baikalensis Skv. I3756(o,p)
- var. capitata Hust. 7973, 8038, 8422, 878I, 9057, 9379, 9443(o), 9444, 9445, 9749(o), I0046, I02I8, I0646, III90(o), III94(o), II695, II866, I2320, I2405, I3I68, I3246, I3352, I3354, I3522, I3668, I3756(o,p), I3758(o)
- f. capitata Skv. et C.Meyer I0220
- var. elliptica Hust. 9057, I0646, I0956, I3I68, I320I, I3246, I3668
- var. mutata (Krasske) Hust. 7054, 7973, 8700, 9057, 980I, I0I69, IIII7, II45I, II694, I3246, I3668
- var. pupula 8423, 9444, 9445, I02I8, I0247
- - f. capitata Skv. et C.Meyer II694
- - f. elliptica Hust. II694
- - f. pupula II694
- - f. rostrata Hust. II694
- f. pupula I0220
- var. rectangularis (Greg.) Grun. 7973, 7975, 8038, 8422, 878I, 9057, 9379, 9442(o), 9444, 97I5, 9749(o), 980I, I0046, I0099, I0202, I0646, I0939, II529, II530, II694, I2320, I2405, I3I68, I320I, I3246, I3354, I3668
- var. rostrata Hust. 980I, I3I68, I3246, I3668
- var. subcapitata Hust. 9568
pusilla W.Sm. 7973, 8266, 8738, 878I, 9087, 9289, 97I5, 9748(o,p), 9749(o), 98I9, I020I, I0220, I07I5, I0939, II694, II930, I35I7(o), I3668, I3706
- var. jacutica I.Kiss. I0548
- var. lanceolata Grun. 97I8, I02I8, I35I7(o)
- var. pusilla I02I8, I3274
pusio Cl. 7I42
pygmaea Kütz. 7I83, 7I88, 8034, 8038, 9057, 9357, 9444, 9445, 9456, 9457, 9459, 9666, 9694, 980I, 98I9, 9972, I0220, I0245, I0247, I0548, I0939, I0955, III84, III90(o), III94(o),

II442, II579, II694, I2095, I27I0, I3008, I30I4, I3246, I3247, I3269, I327I, I3274, I3283, I3294, I3522, I3524, I363I(p), I3668(p), I3706
quincunx Cl. 8368(o,p), 8370
radiosa Kütz. 7054, 7I39, 7I42, 7I85, 7I87, 7I88, 7502, 7507, 7922, 7973, 7983, 7988, 7993, 800I, 8034, 8038, 8I44, 8248, 8254, 830I, 8309, 8690, 8694, 87I8, 878I, 8859, 89I2-89I4, 89I7, 8940, 898I, 9009, 90I0, 9053, 9057, 9059, 9060, 9220, 9242, 9292, 9297, 9298, 9357, 9360, 9362, 9379, 9444, 9445, 9448, 949I, 9492, 95I2, 9568, 958I, 9694, 9748(o), 9749(o), 975I, 980I, 9932, 9938, I004I, I0046, I0047, I0077, I0080, I0082, I0099, I0I48, I0I53, I020I, I0202, I02I2, I0220, I024I-I0248, I0548, I0549, I0646, I0665, I0905, I0939, I0956, I0968, I0975, I0997, III90(o), II223, II442, II529, II579, II695, II866, I2049-I205I, I2I24, I2320, I2363, I2405, I250I, I2579, I2680, I27I0, I276I, I2762, I2936, I2938, I2945, I3027, I3I68, I320I, I3246, I3249, I3269, I327I, I3352, I3354, I3373, I3398(o), I3482, I3499, I3506, I3508, I35II, I35I7(o), I3520, I3522, I3528, I3529, I3583, I363I(p), I3668, I3699, I3758(o)
- var. radiosa 8685-8687, 869I, 8700(p), I0008, III28, III85, III86, II45I, II694, II695, I22I7, I2650, I2939, I327I, I3274, I3283
- var. tenella (Bréb.) Grun. 762I, 8038, 8422, 90I8(o), 9362, 9580, II579, II694, II695, I3246, I3354, I35I7(o), I3522, I3668
ramosissima Ag. II336, II537, I3269
- f. caspia Grun. 8034, 9456-9459, 9463, II42I
- var. ramosissima I0226
recurvata Gran I289I
reinhardtii (Grun.) Cl. 7054, 7I39, 7973, 800I, 8038, 8254, 8266, 8738, 9059, 9289, 9297, 9357, 9379, 9444, 9568, 97I7, I0244-I0247, I0384, I0546, I0548, I0665, II694, II866, I2320, I2347, I2936, I3I68, I3583, I3758(o,p), I3759(o)
- var. reinhardtii 8423
- f. reinhardtii I3283
- var. tsqhuktschorum Cl. 972I, I3706
rhynchocephala Kütz. 7054, 7922, 800I, 8038, 89I2, 89I4, 89I6, 89I7, 8922, 90I8(o), 9057, 9060, 9220, 9292, 9444, 9504, 9568, 980I, 98I9, 9938, 9959, I0046, I0047, I0080, I0099, I0I53, I024I, I0242, I0245, I0246, I0384, I0388, I0646, I0905, I0956, II579, II694, II866, II930, I2320, I2347, I27I0, I3008, I30I4, I3027, I3I68, I3202, I3245, I3246, I3249, I3269, I3354, I3522, I3528, I356I, I3583, I3668, I3756(o,p)
- var. genuina A.Mayer I0244, I0245
- var. grunowii A.Cl. I0248
- var. hankensis Skv. I2944, I35I7(o)
- var. omica Gorjatsch. 7I88, 8038, 8522(o,p), 89I2, 89I3, 89I6, 89I9, I0046, I0247-I0249
- var. orientalis I.Kiss. 8942, 9694, I0902
- var. rhynchocephala 8423, 8700, I0245, I2420, I327I
- var. tenuis Skv. I3756(o,p)
romana Ralfs I07I5
rostellata Kütz. 8038, 9580, 9749(o), 980I, I0245, I0I90(o),

II579, II866, I3246, I3522, I3756(o,p)
- var. minor V.H. I02I8
- f. minor V.H. I0220
- f. rostellata I0468
rotaeana (Rabenh.) Grun. 7054, 7973, 8686, 8700(p), 9060,9447(o), I02I8, I0220, I0939, II45I, II694, II866, I22I7, I250I
rotula A.Cl. 7973
rotunda Hust. II694
rouxioidea Sheshuk. I3358, I3362
rudis var. tenuistriata Missuna II696(o)
rupicola Hust. I0I53
ruttneri Hust. II694
salinarum Grun. 7I83, 7I87, 7995, 8038, 8266, 9649, 980I, 9882, I02I8, I0220, I0956, II537, II578, II579, II694, II866, I27I0, I2933, I3269, I3522, I3527, I3668, I3758(o)
- var. capitata Schulz II578
- f. capitata Schulz 762I, III85, II579
- var. intermedia Grun. III85
- var. minima Kolbe III94(o)
- f. minima Kolbe 8034
- var. salinarum 9457-9459, III84, III85
schoenfeldii Hust. 8694, 8988, 9057, 9360, 9379, I0099, I0665, IIII2, IIII3, II537, II695, I3I68, I35I7(o), I363I, I3646, I3647, I3668
- var. diversipunctata Pr.-Lavr. II806(o,p)
- var. minor Skabitsch. II694, I3668
- var. schoenfeldii I0900, I0902, II694
scopulorum Breb. 9456, 9457, 9459, I0226, II442
scutelloides W.Sm. 7054, 7973, 7975, 8038, 8694, 8738, 8739, 878I, 8782, 8784, 8972, 8976, 9057, 9356-9358, 9360, 9362, 9568, 97I7, 980I, I0046, I0099, I02I8, I0220, I0384, I0583, I0900, I090I, I0904, III26, II695, I2467, I2579-I258I, I3I68-I3I7I, I3206, I3354, I3646, I3647, I3668
- var. baikalensis Skv. 830I, I0683, II694, I3I69, I3756(o,p)
- var. scutelloides 8700, I0902, I0903, II694
scutiformis Grun. 7054, 7973, 869I, 8700, 878I
scutum (Schum.) V.H. II694, I3668
semen Ehr. 7I30, 7I37, 7I39, 7I42, 7492, 7494, 7973, 8422, 8432, 878I, 898I, 9058, 9060, 9444, I020I, I0532, I0939, II3II, II530, II908, I1008, I30I4, I3354
seminulum Grun. 9379, 980I, I0245, I07I5, I0956, I3668
- var. radiosa Hust. II694
- var. seminulum II694
- var. tenuis Schirsch. 7I38, 8384, 9087, I0532
septata Pr.-Lavr. II8II(o,p), II820
septentrionalis (Grun.) Gran 9747, I2228, I2955, I2956, I2962
septifera Pr.-Lavr. II820
sibirica (Grun.) Cl. I289I
sigma Kütz. 9959
- var. curvula (Ehr.) Brun 98I9
sigmoides (Nitzsch) W.Sm. 9959
silicea Skv. III90(o,p), III94(o), I3756(o,p)
similis Krasske 869I, 8700, II45I, II694
simplex Krasske 9749(o), I0970, IIII7, II694, I28I9, I2875, I2877, I2878, I35I7(o), I3524, I3668

simplus Meist. I3353
sinuata Greg. II3II
skabitschewskyi (Skabitsch.) Zabelina I07I5, III90(o)
sohrensis Krasske II694
- var. parallela Skv. I3757(o,p)
solida Cl. I3353
spectabilis Greg. 749I, 7530, 753I, 8364, 898I, 9029, 972I
spicula Hickie 8038, 9444, 9445, 9456-9459, 9663, 9666, 9694, I0I52, I0I53, I0646, I0956, II025, I3499, I3504, I35II, I35I7(o), I3524, I3527, I3668
stagnorum Rabenh. 9959
stompsii Giffen II083, II085
subagnita Pr.-Lavr. 9464(o)
subelongata Skabitsch. 8207
subhamulata Grun. II694, I3668, I3706
- var. gibbosa Skv. I3756(o,p)
- var. parallela Skv. I3756(o,p)
submuralis Hust. I02I8(o), I0220, II694
subocculta var. baikalensis Skv. 7054, 8700, II45I, I3756(o,p)
- var. unilateralis Skv. 7054, 869I, 8700, III90(o,p), II45I
subplacentula Hust. I320I
- var. baikalensis Skv. I320I, I3756(o,p)
subrhombica Hust. I3524
subrotunda Hust. I02I8(o), I0220, I0959, II694
subtilissima Cl. 9087, 9449, 9749(o), I0202, I0822, IIII2, IIII3, II693-II695, I3249, I3354, I3524, I363I, I3668
- f. baikalensis Skv. III90(o,p)
superba (Cl.) Gran. I289I, I2892
tenerrima Hust. I0247
torneensis var. aboënsis Cl. I3I63, I3756(o,p)
transitans Cl. 7685, 898I, I289I, I2892, I3649
- var. derasa Grun. 898I, I2892
- - f. minuta Cl. 753I
tridentula Krasske 8825
tridentulata Krasske I3522
trigonocephala Cl. I289I, I2892
trompii Cl. 7063, 9000, 9703-9705
truncata A.Cl. I3668
tumida Bréb. 8738
turgidula Pant. I0468
tuscula (Ehr.) Grun. 7054, 72I5, 7973, 800I, 8I44, 8694, 8976, 9057, 9292, 9356-9358, 9362, 9444, 9463, 96I7, 97I7, 975I, 980I, I0080, I0I0I, I0I02, I0245, I0548, I0646, I0939, I0956, III94(o), II695, II866, II930, II933, I2320, I2347, I2363, I2364, I2482, I2579, I3I6I, I3I63, I3I68, I3I7I, I320I, I3246, I3269, I3354, I3499, I35I7(o), I3522, I3524, I3646, I3647, I3668, I3756(o,p)
- var. capitata Cl. 7620
- var. intermedia I.Kiss. I02I8, I0220
- f. intermedia I.Kiss. 878I, I0546, I0548, I0549, II694
- var. minor. Hust. 7973, I0I02, I02I8, I0220, I3I68, I3206
- f. minor Hust. I0546, I0548, II3II, II694, I3246, I3668, I3706
- var. obtusa Hust. 878I
- f. obtusa Hust. 800I, 8738, 9057, I3246

- var. rostrata Hust. 7054, 7973, 9717, 10218, 10220
- f. rostrata Hust. 8423, 8691, 8700, 8781, 9057, 9643, 10548, 11451, 11694, 13517, 13668
- var. tuscula 9459, 10218, 10220, 11184
- f. tuscula 10008, 11694, 13283
unipunctata Skv. 9357, 13201, 13373, 13756(o,p)
untermohlii Hust. 10959, 11694
uspenskiana Gles. et Sheshuk. 8370(p)
valida Cl. et Grun. 12891, 12892
vanhoeffenii Gran 9124, 9747, 11088, 11994, 12004, 12006, 12228, 12955, 12956, 13645
variostriata Krasske 8738
vaucheriae J.Petersen 13246, 13250
ventricosa Kütz. 11311
verecunda Hust. 71142, 9057, 10218, 10220, 11694, 13519, 13525, 13668
viridis Ehr. 8266, 9959
viridula Kütz. 7061, 7922, 8001, 8254, 8301, 8709, 9078, 9220, 9289, 9581, 9749, 9751, 9801, 9932, 9938, 9959, 10077, 10080, 10082, 10245, 10246, 10248, 10548, 10549, 10646, 10905, 10956, 111190(o), 11579, 11866, 12049, 12320, 12363, 12364, 12710, 12776, 12784, 13246, 13354, 13517(o), 13668, 13689
- var. abbreviata Grun. 9751
- var. argunensis Skv. 13758(o,p)
- var. avenacea (Brèb.) Grun. 11579
- var. capitata A.Mayer 10247, 10248, 13526
- f. capitata A.Mayer 11185
- var. pamirensis Hust. 8038, 10956, 111190(o,p), 13499, 13517(o), 13524
- var. rostellata (Kütz.) Cl. 9568
- var. slesvicensis (Grun.) Cl. 71188, 8001, 8038, 8254, 8709, 9220, 9444, 9748, 9801, 10218, 10220, 10241, 10248, 10548, 111190(o), 11694, 12363, 12364, 13517(o)
- var. viridula 10218, 10220, 11184, 11694
virihensis A.Cl. 9087
vitabunda Hust. 11694
vitrea Cl. 9568
vulgaris Herib. 8266
vulpina Kütz. 8038, 8694, 8859, 8976, 8981, 9057, 9801, 9932, 10080, 10245, 11694, 11695, 11866, 13168, 13246, 13269, 13287, 13354, 13668, 13756(o,p)
- var. oregonica Cl. 13756(o,p)
- var. vulpina 13271, 13274, 13283
werestschaginii Skv. et C.Meyer 13201, 13756(o,p)
wislouchii Skv. et C.Meyer 13756(o,p)
- var. wislouchii 13283
woronichinii Jasnitsky 13169
zichyi Pant. 9719, 10102
- var. leonis (Pant.) Kozyr. 9718(o,p), 9720
- var. ursina (Pant.) Kozyr. 9718(o,p), 9720
- var. zichyi 9718(o,p), 9720

Naviculopsis Freng.

sp. sp. 8360
biapiculata (Lemm.) Freng. 8362, 8990, 10982

- var. biapiculata 8364(p), 8370, 11334
- var. minor (Schulz) Gles. 8364(p), 8365, 8370, 11334
foliacea Defl. 8362
robusta Defl. 8990, 11334, 13369

Naviculopsis Nik.

septata Nik. 10472, 110811(o,p)

Neidium Pfitz.

sp. sp. 7287, 7831, 8148, 9242, 9386, 10388, 10417, 11688, 13161, 13171
affine (Ehr.) Cl. 8001, 8781, 9060, 9298, 9748(o), 9749, 9801, 10245, 10646, 11866, 12320, 13246, 13583, 13668
- var. affine 9444, 11694
- var. amphirhynchus (Ehr.) Cl. 7054, 7973, 8001, 8422, 8781, 9057, 9443(o), 9444, 9694, 9751, 10646, 11223, 11694, 11866, 12579, 12933, 13168, 13246, 13354, 13668
- f. amphirhynchus (Ehr.) Cl. 10241
- var. longiceps (Greg.) Cl. 7054, 7135, 8700, 8825, 11694, 13668
- f. medium Cl. 8301, 9819
- var. minus Cl. 8825, 11694
- var. undulatum O.Müll. 9801
binodis (Ehr.) Hust. 10247, 11694
bisulcatum (Lagerst.) Cl. 7973, 8301, 8422, 8781, 8981, 9199, 9444, 9446, 9801, 10241, 10646, 10956, 10975, 11529, 11866, 12405, 13168, 13201, 13207, 13526, 13668, 13757(o)
- f. bisulcatum 11694
- var. turgidulum (Lagerst.) Meist. 9801
- var. undulatum O.Müll. 9801
- f. undulatum O.Müll. 9449, 10646, 111190(o), 11694, 13668, 13757(o,p)
citreum A.S. 13201
dilatatum (Ehr.) Cl. 7054, 8781, 9748(o), 10046, 13756(o,p)
- f. curtum Skv. 13756(o,p)
- var. jacuticum I.Kiss. 7135
distincte-punctatum Hust. 7489, 9444, 9445, 13758(o,p)
dubium (Ehr.) Cl. 7054, 7973, 8001, 8038, 8301, 8781, 8976, 9801, 10218, 10220, 10245, 10646, 111190(o), 11223, 11688, 11694, 11695, 11881, 12320, 12405, 13168, 13246, 13354, 13668, 13756(o,p), 13758(o)
- var. baikalense Skv. 13756(o,p)
- f. constrictum Hust. 8038, 9443(o), 9444, 10646, 13756(o,p), 13758(o)
- var. cuneatum Font. 10247
- var. dubium 9444
hitchcockii (Ehr.) Cl. 7054, 7135, 7973, 8691, 8700, 8737, 8738, 8781, 8976, 10220, 11694, 13168
iridis (Ehr.) Cl. 7139, 7142, 7287, 7700, 7848, 7973, 8384, 8422, 8694, 8709, 8781, 8981, 9024, 9057, 9060, 9087(p), 9360, 9362, 9379, 9449, 9801, 10201, 10905, 10956, 10975, 11529, 11530, 11695, 12405, 12501, 13163, 13168, 13354, 13646, 13647, 13668, 13704
- var. amphigomphum (Ehr.) V.H. 7973, 9057, 9444, 9568, 9748(o), 9751, 10046, 10218, 10220, 11694, 12405, 13354, 13668, 13758(o)
- var. ampliatum (Ehr.) Cl. 7973, 8781, 9057, 11694, 12405, 13168, 13354, 13757(o)

- var. baikalense Skv. I3756(o,p)
- var. diminutum (Pant.) Wisl. et Kolbe 7973, 878I, I0I48, I02I8, I0220, II694, I3668
- var. iridis 972I
- - f. iridis II694
- - f. vernale Reich. II694
- var. vernale Reich. 7054, 8038, 8738, 878I, I3354.
- f. vernale Reich. 7096, 7973, 9057, 9444, 9694, I0099, I2320, I3I68, I3668, I3758(o,p)
kozlowii Mer. 9749(o), I0956
lacus-baikali Skv. I3756(o,p)
lanceolatum Skv. I3756(o,p)
productum (W.Sm.) Cl. 7973, 878I, 9297, 9444, 980I, I02I8, I0220, II694, II695, I2358, I3I68, I3246, I3668
punctulatum Hust. 7I32, 7I37, I0200, I020I, I3269
Nelcanella Vologd. et Drosdova
sp. sp. 9828, 9833
annularia Vologd. et Drosdova 8I30(o)
radians Vologd. et Drosdova 8I28(o,p)
solaris Vologd. et Drosdova 8I28(o,p)
stellata Vologd. et Drosdova 8I28(o,p)
Nelsoniella Cook. et Eis.
aceras Cook. et Eis. 8048-8049(o,p)
Nemacystus Derb. et Sol.
sp. sp. I0409
decipiens (Sur.) Kuck. 9I24
Nemalion Duby
sp. sp. I0409
helminthoides (Vell.) Batt. 9I24
vermiculare Sur. 7636, 8054, 8056, 8058, II384, I2604, I2607, I3633
Nemaphycus Korde
antiquus Korde I2752
Nematonostoc Nyl.
sp. sp. I35-8
Neochloris Starr
sp. sp. 8584
Neodilsea Tokida
sp. sp. 805I, 9I24
integra (Kjellm.) A.Zin. 8065(o), 9I53(o,p), 9I54, 9I69, I2607
yendoana Tokida 76I2, 76I3, 76I6(o), 805I, 8054, 8070, 8073, I2604, I2607, I3633
Neomeris Lamour.
sp. sp. 9823
aciculata Masl. I0608(o,p)
defrancei Morellet I0608(p)
lusanovkaensis Masl. et Jarc. I0508(o,p)
Neonema Pasch.
pumilum (W. et G.S.West) Pasch. I2680
Nephelostroma L.Dang. et Doré
sp. sp. 9828, 983I
Nephrochlamys Korsch.
allantoidea Korsch. 980I, I3246, I3249
rotunda Korsch. 800I, I2I24, I3287
subsolitaria (West) Korsch. 800I, 9294, 9296, 980I, I0I3I, I3246, I3274, I3279, I3287

willeana (Printz) Korsch. 9024, 9294, 9296, I3274, I3287
Nephrocytium Näg.
sp. sp. 9748(p), I2342
agardhianum Näg. 8038, 945I, 9749(o,p), 980I, 9932, I0646, II583, II866, I2478, I2482
allantoideum Bohl. I0080
closterioides Bohl. I3689
lunatum West 8038, 9298, 9446, 980I, I074I, II584, II866, II88I, I2482
obesum West 945I, I0II3, II025, I2680, I327I
- var. symmetricum Printz I0046, II583
Nephrolithus Górka
barbarae Górka I0430
brevis Luljewa I0430(o,p)
furcatus Górka I0430
multicavatus Lujewa I0430(o,p)
trientis Górka I0430
Nephroselmis Stein
olivacea Stein I3526
Nereia Zanard.
filiformis (J.Ag.) Zanard. 9420, I0929, II408, II409(o), II4I0-II4I2, II4I5-II4I7, II420, II423
Nereocystis Post. et Rupr.
sp. sp. 9I96
luetkeana Post. et Rupr. 9I24, II96I
Netrium (Näg.) Itz. et Rothe
sp. sp. 8303, I30I0
digitus (Ehr.) Itz. et Rothe 8038, 8306, 8308, 9024, 9932, I0I58, I0I60, I0I62, I02I8, I0220, I0646, I2049, I2050, I2I75, I2667(o)
- var. digitus f. digitus I0I60
- f. digitus I0I34(o,p)
- var. lamellosum (Bréb.) Grönbl. I0I60
- f. parvum Borge I0I60
- f. rhomboideum (Grönbl.) Kossinsk. I0I34(o,p)
interruptum (Bréb.) Lütkem. 8038, I0I60
naegelii (Bréb.) W. et G.S.West 9024, I0I60
oblongum (De Bary) Lütkem. I0I60
- var. cylindricum W. et G.S.West 90I9
Neuroglossum Kütz.
ligulatum (Reinsch) Skottsb. 9I65(o)
Nicholsonia Korde
composita Korde 9833
glomerata Korde 9833
grandis Korde 9833
involuta Korde 9833
Nienburgia Kylin
sp. sp. 7636, II384
Nitella Ag.
sp. sp. 7I56, 7747, 7979, 7980, 8220, 8255, 8386, 86I7, 8620, 8860, 909I, 9093, 9I06, 9I08, 9I45, 9276, 93I4, 9670, 9745, 99I9, I0348, I035I, I0352, I0402, I0644, I0646, I082I, I0998, II2I8, II595, I2239, I2274, I2278, I23I8, I3I55, I33I0, I3387
batrachosperma (Reichenb.) A.Br. I2675, I2676, I2797, I3662

capillaris (Krock.) Groves et Bull.-Webst. I2797, I3662(p)
clavata Kütz. 8I52, 8I59, 8434, I2476, I33I0
flexilis (L.) Ag. 7209-72I4, 8044, 8083-8090, 8092-8094, 8I0I, 8I55, 8I56, 8I58, 8I59, 8I62, 8I79, 8385, 8433, 8434, 86I6, 86I8-8622, 9236, 9973, I0583, I0666, III53, III63, II2I6, II2I7, II465-II467, II858, I2030, I2I82, I2I83, I2275-I2277, I2279, I2797, I3302, I3548-I3550, I3662, I37I2
globulifera Pal 9646, 9649, 965I, I2675, I2676
gracilis (J.Sm.) Ag. 8620, 9024, I2797, I3269, I34I3, I34I6
hyalina (DC) Ag. 9646, 9649, I0064, I0670, III90, I2675, I2676, I2797, I33II, I34I3, I34I6, I3703
incerta Krassav. 992I(o,p), 9922
kamaensis Krassav. 9920(o,p), 9922
mucronata (A.Br.) Miq. 7209, 7864, 8I50-8I55, 8I57, 8I59-8I6I, 8434, 8620, 8945, 9333, 9808, I0376, I23I8, I2476, I25I6-I25I8, I2640, I264I, I2797, I2979, I3309, I3673, I3674, I369I
- var. virgata (Wallm.) A.Br. 9024
obtusa T.Allen 8620
opaca Ag. 8620, I2797, I3308, I3309, I33II, I3673, I3674
syncarpa (Thuill.) Chev. I2796, I2797
tenuissima (Desv.) Kutz. I2797, I33II, I34I3, I34I6
translucens (Pers.) Ag. 8I52, 8I59, 8434, 8620, I2797, I3550

Nitellopsis Hy
sp. sp. 99I9
obtusa (Desv.) Groves 8449, 8620, 9493, 9646, I0548, I0549, I2674-I2676, I2796, I2797, I33II, I335I, I34I3, I34I6, I3584, I3562
ovata Krassav. 992I(o,p), 9922

Nitophyllum Grev.
punctatum f. ocellata (Lamour.) J.Ag. 9I62(o)
ruthenicum (Post. et Rupr.) Kjellm. 8054

Nitzschia Hass.
sp. sp. 704I, 7047, 706I, 7062, 7082, 7II3, 7I5I, 7I55, 7I85, 7223, 7303, 738I, 7383, 75I4, 7588, 7620, 7627, 7628, 7676, 7685, 7950, 7969, 8034, 8038, 8097, 8098, 8I47, 8254, 830I, 8309, 8365, 8444, 853I, 8595, 8597, 8603, 8737, 8738, 8760, 8859, 8877, 8905, 89II-89I3, 8930, 8939, 898I, 8995(p), 9002, 9056, 9I04, 9I42, 92I4, 9220, 922I, 9257, 9289, 9340, 9457, 9490, 9492, 9502, 9505, 957I, 9572, 9703, 9705, 97I3(p), 9720, 9748, 9749(o), 9752, 9796, 9868, 9881, 9902, 9903, 9959, 9965, I0008, I00I3, I0I02, I0I04, I0II3, I0I47, I0I50, I0206, I0280, I04I4, I0549, I0705, I0749, I0757, I0803, I082I, I0822, I0877, I0900, I0922, I0980-I098I, II034, II083, II094, IIII7, III35, III98, II252, II304, II3II, II326, II329, II403, II605-II606, II624, II625, II688, II837, II847, II866, II933, II956, II963, II994, I2078, I2I40, I2I52, I2I53, I2223, I223I, I2236, I2344, I2383, I2444, I2446, I2449, I2578, I2597, I2599, I2638, I2669, I2932, I2934, I2936, I2945, I3II3, I3I37, I3I56, I3I89, I3245, I3249, I3267, I3269, I327I, I3272, I3274, I3280, I3283, I3287, I3290, I3294, I3353, I3398, I3507, I35I9, I3533, I358I, I3583, I3586, I36I6, I3706, I3736
acicularis W.Sm. 7I03, 72I5, 7222, 7246, 7247, 7250, 7252, 7354, 7355, 7469, 7507, 762I, 7622, 7733, 7735, 7757, 7799, 7805, 7806, 7922, 7964, 7989, 7993, 800I, 8034, 8038, 8202, 8266,

8353(o), 8450, 8555, 8560, 8604, 8737, 8738, 8873, 8874, 89I3-89I7, 892I, 8924, 90I2, 9078, 9085, 92II, 92I3, 92I4, 9220, 9223, 9289, 9292, 9324, 9340, 9444, 9492, 9568, 9672-9675, 9679, 9686, 9687, 9749(o), 9755, 980I, 9882, 9959, I0039, I004I, I0046, I0047, I0077, I0079, I0080, I0082, I02I8, I0220, I024I, I0245, I0286, I0362-I0365, I0368, I0475 I0646, I0657, I0925, I0997, III89, II455, II537, II663(p), II672, II673, II694, II739, II790, II794, II859, II864, II866, II965, I205I, I2052, I2055, I2I25, I2I54, I2323, I2324, I2327, I233I, I2333, I234I, I2347, I2350, I238I, I24I5-I24I7, I24I9, I242I, I2579, I27I0, I2905, I2906, I29I0, I3008, I30I2, I30I4, I3I20, I3I27, I3I29, I3I77, I3I78, I3202, I3246, I3247, I3249, I3250, I3269, I3273, I3373, I3506, I35I7(o), I3583, I3668
- var. acicularis 7I04, 8908, 89I0, 92I0, I0008, I0044, III85, II675, I327I, I3272, I3274, I3294
- var. closterioides Grun. I0080
- f. constricta A.Cl. 8034
actinastroides (Lemm.) Van Goor I0220, II694, I30I2, I30I4
acuminata (W.Sm.) Grun. 8738, 90I2, 9242, 9360, 9444, 9456, 9459, I0955, II279, II442, II579, I3246, I3247, I3273, I3274
- var. acuminata 9457, I0226
- var. punctata A.Cl. I3283
- var. subconstricta Grun. 9029
acuta Hantzsch 7054, 800I, 8038, 869I, 8700, 9220, 9289, 980I, I02I8, I0220, I0388, I0646, I0975, III84, III90(o), II45I, II529, II525, II694, II930, I2320, I2936, I3245, I3246, I327I, I3272, I3283, I3583, I3668, I3706, I3756(o,p)
aequatorialis Heid. 7534(o), 7536
amphibia Grun. 7054, 7I82, 7I87, 7I88, 7922, 800I, 8038, 8450, 89I2, 8922, 9057, 9292, 9360, 9443(o), 9444, 9649, 9694, 980I, I0I53, I02I8, I0220, I024I, I0363, I0548, I07I5, I0956, III90(o), II442, II579, II694, II695, II866, I2320, I2579, I2652, I27I0, I2877, I2936, I2938, I3I27, I3I68, I320I, I3246, I3249, I3354, I35I7(o), I35I9, I3522, I3526, I3529, I3668(p)
- var. amphibia 869I, 8700, III84, III94(o), II45I, I2650, I3283
- var. thermalis Boye-Pet. I3522
amphicephala Grun. III94(o)
amphioxys var. major Grun. I0I69
angularis W.Sm. 980I, I0I53, II085, II579, I35I7(o)
- var. affinis Grun. 8038
- var. angularis II083
- var. kariana Grun. I289I
- var. tenuistriata V.H. 7733, 7735(p), I02I8, I3I68
angustata (W.Sm.) Grun. 7054, 7I64, 7973, 7984, 8000, 8038, 9057, 9568, 97I7, 980I, I0I48, I024I, III90(o), II529, II695, II930, I320I, I3246, I3249, I3269, I3526, I3668, I3756(o,p), I3758(o)
- var. acuta Grun. 9057, 9298, 9443(o), 9444, 980I, I02I8, I0220, I0956, III90(o), III94(o), II529, II694, II695, I3I68, I3246, I3354, I35I7, I3668
- var. angustata 8423, 9444, I02I8, I0220, III94(o), II694, II695
- var. capitata Skv. I3758(o,p)

- var. curta Grun. 7054, 7973, 8700(p), 980I, II45I
- var. minuta Bleisch. I024I
- var. producta Pant. I3246
angustissima V.H. 7735
apiculata (Greg.) Grun. 7222, 7984, 8034, 8038, 9220, 9443(o), 9444, 9445, 9457, 9459, 9648, 9649, 980I, I0I52, I0I69, I0546, I0548, I0939, I0956, I0975, III84, I1279, II442, II537, II57I, II578, II579, I2095, I2347, I30I2, I30I4, I3246, I3247, I3249, I327I, I3283, I3499, I3503, I3504, I35II, I35I7(o),I35I9, I3522, I3524, I3565, I3668, I3758(o,p)
aquaea Wisl. et Poretzky 8976, I02I8, I0220
baikalensis Skv. I3756(o,p)
barkleyi Hust. 9702-9704, 9705(p), 9708, 97II, 97I6, I3649
bicapitata Cl. 7534(o,p), 7536, 7633, 8999, 9002, 9703, 9705, 9708, 97II-97I3, 97I6, I0978-I0982, III76, I2I52, I3649
- var. bicuneata Hasle 97I3
bilobata W.Sm. 8972
braarudii Hasle 7534(o,p), 7536, 7633, 97II, I0979 - I0982, I2I52
capitata Ostr. 8000, II694
capitellata Hust. 800I, 9449, 9694, I02I8, I0220, I0548, I07I5, II694, I2579, I3283, I3499, I35I7(o), I3526, I3756(o,p)
- var. montana Skv. I3757(o,p)
- var. sibirica Skv. I3758(o,p)
chalonii V.H. 9000
circumsuta (Bail.) Grun. 7975, 7983, 7987, 8000, 8034, 8738, 878I, 8973, 8976, 9029, 9242, 9360, 9457, 9459, I0099, I0939, I3206, I3246, I3724
clausii Hantzsch 8859, 9057, 9444, 9749(o), 980I, I020I, I07I5, II579, II694, II907, II908, I3246, I3283, I35I9, I3522, I3668
closterium (Ehr.) W.Sm. 706I, 7063, 735I, 7354, 7355, 7536, 7952, 7954, 7956, 7958, 7984, 7989, 800I, 8034, 8038, 8438, 8444, 8527, 8725, 8763, 8926, 90I2, 9029, 9085, 9I4I, 9I42, 92I4, 9220, 922I, 95I0, 9568, 96I9, 9649, 9747, 9748(o), 9790, 980I, 9972, 9976, I0080, I0I23, I0I36, I0208, I02I0, I02I3, I02I4, I0276, I0277, I0280, I0877, I0886-I0889, I089I, I0892, II083, II085, III84, III89, II279, II537, II545, II57I, II579, II605-II606, II779, II967, II994, I2004, I2I53, I27I0, I286I, I2892, I2955, I2956, I3249, I327I, I3274, I3294, I3523, I3536, I3576
- var. closterium III85, III86
- var. recta Gran I00I7(o)
cocconeiformis Grun. 8254, 9462(o,p), I0I0I, I0I02
communis Rabenh. 8038, 8266, 8570, 980I, II694, I3499, I35I7(o), I35I9, I3522, I3525, I3529, I3536, I3668, I3758(o)
- var. abbreviata Grun. 7054, 7I83, 7I87, 7I88, 8038, 8700, I0973, III90(o), III94(o,p), II45I, II57I, II578, II579, I2579, I27I0, I2933, I2936, I2939, I2945, I3502, I35I7(o), I35I9, I3522, I3524
- var. minuta Bleisch. I35I7(o)
commutata Grun. 7I30, 7494, 9087, 9220, 9444, 980I, I0956, II694, I2095, I3269, I3283, I3499, I35I7, I35I9, I3526
constricta (Greg.) Grun. 8034, 9220, 9972, I0468, II085, I3283, I3706

- var. constricta II083
- f. parva V.H. 9220
decipiens Hust. 9000, 9703
delicatissima Cl. 706I, 7063, 75II, 75I7, 7534(o), 7536, 7950-7952, 7954, 7956, 7958, 8762, 8763, 9I24, 9I40, 9220, 922I, 9568, 9640, 97I2, 97I6, 9747, 9787, 9788, 9790, 979I, 9995, I02I0, I0840, I084I, I0886-I0889, I0892, I20I9, I2078-I208I, I2I52, I2230, I2582, I2597, I2599, I289I, I2892, I2955, I2956, I2962, I3248-I3250, I36I8, I3649, I3675
denticula Grun. 7973, 8038, 8738, 9057, 9444, I0080, I02I8, I0248, I0548, II03I, III90(o,p), II694, II695, I3354, I3522, I3668
- var. delognei Grun. I2320(o)
dissipata (Kütz.) Grun. 7054, 7I85, 7I86, 7973, 800I, 8038, 8423, 8685-8687, 8700, 8859, 89I3, 89I4, 89I7, 8922, 9220, 9443(o), 9444, 9445, 9568, 9749(o), 980I, I0I48, I02I8, I0220, I0242, I0245, I0247, I0248, I0646, I0955, I0956, I0973, I0975, III90(o), III94(o), II579, II694, I22I7, I2320, I2347, I2420, I2650, I3009, I30I0, I30I2, I30I3, I3I68, I3246, I3269, I327I, I3283, I3295, I35I7(o), I3522, I356I, I3562, I3565, I3583, I3668, I3756(o,p)
distans Greg. 7I64, 7489, II579, I3065
distantoides Hust. 9703, 9704
dubia W.Sm. 7I50, 7620, 762I, 8038, 9444, I0956, III83, II579, II930-II932, I2522, I3269, I327I, I3274, I3283, I3499, I35I7
epithemioides Grun. 8034, 9087, I35I7(o)
extincta Kozyr. et Sheshuk. 972I
fasciculata Grun. 7676, 7678, 800I, 8034, 8038, 980I, I3269
filiformis (W.Sm.) Hust. 7983, 8000, 800I, 8038, 8709, 8738, 9449, 9456, 9457, 9460(o), 9694, 9749(o), 980I, I0080, I0973, III90(o,p), III94(o), II578, I3246, I3247, I3249, I3269, I3283, I35I7(o), I3522, I3656
fonticola Grun. 7054, 7I50, 7973, 800I, 8038, 8555, 8687, 869I, 9057, 9060, 9444, 9445, 9580, 9694, 980I, I02I8, I0220, I0959, III90(o), II694, II695, I2347, I27I0, I2776, I2784, I3246, I3354, I3499, I35I7(o), I35I9, I356I, I3562, I3565, I3668, I3756(o,p), I3758(o)
- var. baikalensis (Skv.) I.Kiss. I35I7(o)
- var. fonticola 8423, 8685-8687, 869I, 8700(p), III94(o), II45I, I3283
frigida Grun. 82II, 898I, 9I24, 9747, II087, II088, I2228, I289I, I2892, I2955, I2956, I2962, I3645
frustulum (Kütz.) Grun. 7I50, 7I87, 7I88, 7922, 7988, 800I, 8038, 8738, 8922, 9057, 9087, 9449, 9649, 9694, I0046, I0I90, I02I8, I0220, I0245, I0248, I0548, I0975, III90(o), II578, II579, I2095, I2320, I2383, I2579, I3246, I3269, I3354, I35I7(o), I35I9, I3529, I3668, I37I3, I372I
- var. acuta Pant. 9720
- var. asiatica Hust. 7222, 9694, I0548, I0956, I35I7(o), I3522
- var. frustulum 8423, III94(o), II694, I27I0, I3283
- var. perminuta Grun. 7054, 8700, I024I, II185, II579, II694, I3668, I3757(o,p)
- var. perpusilla (Rabenh.) Grun. 7054, 7I50, 8700, 9087, 9694, II578, II579, II694, I27I0, I3354

- var. subsalina Hust. 8038, 9457, I0548, I0956, III90(o), II57I, II578, II579, I3283, I35I7(o)
gaarderi Hasle 97II
gracilis Hantzsch 7054, 72I5, 7973, 8038, 8254, 880I, 89I7, 9242, 9289, 9444, 9445, 9694, 980I, 9932, I0548, I0646, I0798, I0955, I0956, III90(o), II695, II930, I2049, I2320, I2950, I30I2, I3246, I3249, I3354, I3499, I3509, I35I7(o), I3524, I356I, I3668, I3756(o,p)
- var. brevior Grun. II694
- var. capitata Wisl. et Poretzky 8038, 9029, 98I9, I024I, III83, II694, I35I7
- var. gracilis 8686, 8687, 8700(p), I0008, I02I8, I0220, III85, III94(o), II694, I2939, I327I, I3283
- var. minor Skabitsch. 9749(o), I02I8, I0220, I07I5, III83, III94(o), II694, I3522
gradifera Hust. 9464(o), 9649, 9I5I, 9749(o), I3522
granulata Grun. 7I30, 7287, 7494, 7597, 7869, 7973, 8384, 8738, 9029, 9087, 9I95, 9972, I0I0I, I0I02, I020I, I0384, I0388, I0391, I0468, II907, II908, I3I6I-I3I63, I3I65, I3249, I3495, I3645, I375I
- var. granulata 9458, 9459
hantzschiana Rabenh. 7I50, 800I, 980I, I07I5, I0975, III90(o), III94(o), II694, I3283, I3453, I3499, I35I7(o), I3522, I3668
heidenii (Meist.) Hust. var. heidenii III94(o)
- var. pamirensis Boye-Pet. 8038, I02I8(o), I0220, II694
heufleriana Grun. 7054, 800I, 9444, 980I, I0956, I0975, III90(o), I35I7(o), I3523, I3524, I3642, I3668
- var. elongata Pant. 7054, 7973, 8038, 8685-8687, 869I, 8700(p), II455, II694, I22I7, I3246, I3522
- var. heufleriana II694
holsatica Hust. 7353, 7922, 800I, 8034, 8038, 8527, 8555, 9085, 9220, 9223, 9289, 950I, 96I9, I0008, I0044, I0046, I0077, I0079, I0080, I0082, I0I3I, I02I8, I0280, I0396, I0475, I0803, I-I90(o), II537, II930, I233I, I234I, I30I2, I3246, I3373, I3444, I3522
hungarica Grun. 7I83, 7I87, 7I88, 72I5, 7984, 7989, 7992, 800I, 8038, 8738, 878I, 8800, 880I, 8804, 8859, 89I3, 8922, 9220, 9242, 9296, 9444, 9445, 9504, 9694, 980I, 9882, 99II, 99I2, 9932, 9938, I0I50, I0280, I0383, I0468, I0548, I0646, I0902, I0956, I0975, III90(o), II442, II578, II579, I2496, I27I0, I2933, I2936-I2938, I2944, I3246, I3247, I3249, I3269, I3499, I3508, I35I7(o), I35I9, I3522, I3525, I3528, I3668, I3706
- var. capitata Cl. 8709
- var. hungarica 9457, 9459, I2939
- var. maeotica Pr.-Lavr. 9720
hybrida Grun. 7I50, 8034, 873-, 8738, 9459, II579, I3269, I35I7(o), I3526, I3528, I3758(o,p)
- f. hybrida 8034
insignis Greg. 9220, 9257, I3706
- var. lanceolata Hust. 8368(o,p), 8370(p)
intermedia Hantzsch 800I, 9057, 9289, 9449, 9580, 980I, III90(o,p), I30I2, I30I3, I3373
interrupta Heid. 7534(o), 7536, 8999, 9002, 97I3, I0980
kolaczekii Grun. 9002, I0982
kuetzingiana Hilse 7I50, 7I82, 753I, 800I, 8038, 90I0, 90I2, 9292, 9492, 9568, 980I, 9932, 9938, I02I8, I0220, I0248, I0956, III90(o), II442, II529, II578, II579, II694, II830, II930, I2095, I2972, I30I2, I30I3, I3097, I3246, I3249, I3283, I3354, I35I7(o), I356I, I3562, I3668
- var. kuetzingiana III94(o)
- var. perminuta Grun. II57I
lacunarum Hust. I0548
laevis Kar. 9459
laevissima Grun. 753I, 898I(p), I289I, I2892
lanceolata W.Sm. 9220, 980I, I0548, I3526
- var. lanceolata 9457
- f. minima V.H. 9459
lecointei V.H. 9703, 9705
liebetruthii Grun. et Rabenh. 9649, 965I, II578, II579
- var. liebetruthii II083, II085
- var. minuscula Grun. II083, II085, II579
linearis W.Sm. 7I50, 753I, 7620, 89I3, 9444, 9568, 980I, I0646, I0733, I0955, I0956, I0975, III90(o), II537, II579, I2095, I2I54, I2346, I2350, I2906, I30I2, I3I68, I3246, I3249, I3269, I3354, I35II, I35I7(o), I3522, I3565, I3668
- var. linearis 9457, III84, III94(o), II694
- var. tenuis (W.Sm.) Grun. 9476, 9580, I02I8, I0220, III85, II694, I3283, I3373, I3668
longicollum Hasle 7536, 97II-97I3
longissima (Bréb.) Ralfs 75I7, 7956, 8038, 8763, 9I24, 9I4I, 92I4, 9220, 922I, 96I9, 9666, 9790, 980I, 9972, I04I7, I0673, I089I, II537, II967, II994, II997, I2004, I2I52, I27I0, I286I, I3008, I30I2, I30I4, I3249, I3535
- var. longissima I0226, I3274
- var. parva V.H. 92I4, I0646
- f. parva V.H. 980I, I3249, I35I7(o)
- var. reversa W.Sm. 7I87, 7I88, 8000, 8038, 87I5, 92I4, 9666, 980I, 9882, I0646, III84, II860, II967, I2933, I2937, I3246, I3249, I35I7(o), I3727
lorenziana Grun. 800I, 9220, 980I, 9972, I0975, I3269, I35I7(o), I375I
- var. incerta Grun. 9220, I07I5
- var. incurva Grun. 7620, 762I, 7983, 7993, 800J, 800I, 8038, I3523
- var. lorenziana II083, II085, I327I
- var. subrecta Kog. 9644(o,p), 9649, 965I
- var. subtilis Grun. 8038, 8254, 9444, 9648, 9649, 980I, I07I5, II083, II085, III90(o), I3246, I3247, I35I7(o), I3527
macilenta Greg. 7983, 8000, I0646, I3249
marginulata Grun. 8738
- var. subconstricta f. minuta Grun. 8738
marina Grun. 7532, 7534(o,p), 7536, 8979, 8980, 8982, 8990, 899I, 8994, 8999, 9002(p), 9708, 97II, 97I3, I033I, I0332, I0976, I0978-I098I, I0982(p), I0983, II980
- f. fossilis 97I3(p)
microcephala Grun. 800I, 9449, 9649, 9666, 980I, I02I8, I0220, I0548, I0956, III28, III94(o), II3II, II694, I2347, I2650, I3499, I3508, I35II, I35I7(o), I35I9, I3525, I3668
naviculoris (Bréb.) Grun. 7287, 7497, 7597, 7975, 8254, 8737,

8738, 878I, 8970, 8972, 8973, 9029, 9444, 980I, I0I84, I0384(p), I0388, I039I, I0939, II3II, II907, II908, I3I63, I3435, I3645
neglecta Hust. 9703
obtusa W.Sm. 7983, 8038, 8738, 9220, 9580, 9649, 9666, 9694, I0I36, I02I8, I0220, I0548, III90(o), II537, I2095, I2938, I3499, I35II, I35I7(o), I3523, I3527, I3668
- var. nana Grun. 9460(o), III90(o), II579, I35I7(o)
- var. obtusa 9457, 9459, II694
- var. scalpelliformis Grun. 8034, 8038, 9059, 9444, 9457, 9460(o), 980I, I0956, I0975, III90(o), II579, II694, I2095, I3269, I3354, I35I7(o), I3522, I3524, I3668
oceanica Cl. 97II, 97I2, 97I6, I3649
omega Hust. 9703
ostenfeldii Hust. 9749, I02I8(o), I0220
ovalis Arn. 8034, I05I5, I05I6, III94(o), I2972, I30I2, I3097, I3353, I3522, I3526
- var. sublinearis Hust. I3008
pacifica Cupp 7536, 9703, I0744, I2597, I2599
palea (Kütz.) W.Sm. 7I05, 7I82, 7I83, 7I85-7I88, 7530, 7749, 7992, 800I, 8034, 8038, 8257, 8266, 832I, 8570, 8737, 8738, 878I, 8800, 880I, 89I2-89I4, 89I7, 8922, 90I2, 9053, 9057, 9220, 9292, 9357, 9449, 9476, 9504, 9568, 9648, 9694, 9749(o), 980I, 99II, 99I2, I0046, I0066, I0068, I0080, I0I53, I0245, I0248, I0287, I0288, I0378, I0393, I0548, I0646, I07I5, I0956, I0963, I0967, I0973, I0975, III90(o), II264, II265, II442, II479, II483, II578, II579, II695, II866, I2049, I2054, I2I54, I2320, I2347, I2364, I238I, I2383, I2496, I2680, I2776, I2784, I2875, I2877, I2878, I2933, I2934, I2936, I2938, I2945, I2950, I30I2, I30I4, I3I89, I3246, I3249, I3354, I3499, I3502, I3508, I35II, I35I5, I35I7(o), I35I9, I3522, I3524, I3525, I3528-I3530, I3533, I356I, I3562, I3565, I3583, I3668, I3758(o), I3759(o,p)
- var. capitata Wisl. et Poretzky 7054, 7973, 8038, 869I, 8700, 9220, 9749(o), I02I8, I0220, I0956, III90(o,p), III94(o), II45I, II529, II578, II579, II694, I27I0, I3246, I3249, I3499, I3505, I35I7(o), I35I9, I3522, I3668
- var. debilis (Kütz.) Grun. 800I, 8038, 8922, I02I8, I0220, III90(o), II579, II694, I2936, I2939, I2950, I3246, I3249, I3499, I35I7(o), I35I9, I3522, I3524
- var. palea I0008, I02I8, I0220, III84, III94(o), II694, I27I0, I2939, I327I
- var. tenuirostris Grun. 7805, 800I, 9057, 9580, I0047, I0080, I02I8, I0220, I024I, I0248, III90(o), II578, II579, II694, I3246, I3249, I3354, I35I7(o), I35I9, I3522, I356I, I3758(o)
paleacea Grun. 7222, 8034, 8038, 9476, 9748(o), 9749(o), 975I, I0008, I0080, I0248, I0646, I07I5, I0956, III90(o), II529, II694, I2095, I2320, I27I0, I3246, I3247, I3249, I3250, I3373, I3499, I3508, I35II, I35I7(o), I35I9, I3522, I3524, I3529, I3668
panduriformis Greg. 8738, 898I, 9220, 97II
- var. delicatula Grun. I3706
- var. minor Grun. II442
- f. minor Grun. 9000
paradoxa (Gmel.) Grun. 7954, III76

parvula Lewis 7373, 8038, 9367, 980I, I0955, II579, I3583
plana var. fennica Hust. 7054, 869I, 8700(p)
pliocena (Brun) Mertz 8990, 8994, 97I0, 97I3, I0982
polaris Grun. 8709, 8738, 898I, I0384, I0388, I2892
praemarina Jousé 8990, 899I, 97I0, I0982(p), I0983
punctata (W.Sm.) Grun. 7975, 7983, 7984, 7987, 8000, 8034, 8I82, 8254, 8737, 8738, 878I, 8782, 8972, 9029, 92I4, 9220, 9357, 9360, 9456, 965I, II279, II442, II537, II57I, II579, I3206, I3294, I3495, I3706, I375I
- var. aralensis Borscz. 9457, 9459
- var. coarctata Grun. 753I, 898I, 9457, 9459, II083, II085, II57I, II579
- var. elongata Grun. I3645
- var. minutissima Poretzky 8034, 9444, 9456, 9457, 9459, 9460(o), II579
- var. punctata 9456-9459, I0I02, I0226
pungens Grun. 706I, 9I4I, I0979, I20I9
- var. atlantica Cl. 75I7, 7956, 92I5, 9220, 9784, 9788, 9793
radiosa Kütz. 8737, 8738
recta Hantzsch 7054, 7507, 800I, 8038, 8254, 8700, 878I, 9449, 9476, 9568, 9580, 97I7, 980I, 9932, I0046, I02I8, I0220, I024I, I0245, I0248, I0956, III90(o), II223, II694, II695, II866, I2320, I2347, I3I68, I3246, I3249, I3269, I327I, I3354, I3562, I3583, I3668
regula Hust. 8038, I0I48, I0I52, I0I53, III90(o)
reversa W.Sm. 7I44, 735I, 7354, 7355, 8034, 8604, 9220, 9340, I0280, I327I, I3273, I3274, I3287, I329-, I3586
romana Grun. 800I, 8038, 8859, 9444, I0I48, I0I50, I02I8, I0220, III90(o), II529, I2320, I2579, I3269, I3283
romanoviana Pant. 9720
romosa Grun. I07I5
romota I0I90, I37I3, I372I
scabra Cl. 7983, 7987, 8000, 898I
scalaris (Ehr.) W.Sm. 7287, 7973, 7975, 8738, 878I, 8976, 9242, 9356, 9357, 9360, I0099, II694, I3I68, I3495, I35I7(o), I3645, I3724
semigibbosa V.H. 9703, 9705(p)
seriata Cl. 706I, 7063, 727I, 7596, 7667, 792I, 7925, 7626, 7928, 793I, 7934, 7950-7952, 7954, 7958, 82II, 8292, 8424, 8425, 8527, 853I, 8762, 8763, 8765, 898I, 9000, 92I0, 92II, 9220, 922I, 9232, 9233, 95I0, 96I9, 9704, 9705, 9747, I00I7(o), I0II9, I0I20, I0886-I0892, II02I, II022, II068, II069, II07I, III4I, II375, II402, II403, II779, II994, II997, I2004, I2006, I20I9, I2078, I2079, I2I53, I2597, I289I, I2892, I2956, I3028, I3249, I3640, I3645
- var. atlantica Cl. I00I7(o,p)
sibirica Skv. I3758(o,p)
sicula (Castr.) Hust. 7534, 7536, 7733, 8994, 8999, 9002, 9703, 97II, 97I2, I0978-I0982, I2I52
sigma (Kütz.) W.Sm. 72I5, 72I9, 7222, 7530, 7922, 7988, 800I, 8034, 8038, 8254, 8604, 8725, 8738, 8859, 90I8(o), 9220, 9444, 9445, 9492, 9568, 9749(o), 980I, 9944, I0047, I0I02, I0I52, I0I53, I020I, I02I8, I0220, I024I, I0280, I0548, I0646, I0939, I0955, I0975, II085, III90(o), II442, II537,

II57I, II579, II907, II908, II93I, II932, I2095, I2680, I2933, I3008, I30I2-I30I4, I3I62, I3249, I3269, I3280, I3354, I3499, I3506, I35II, I35I5, I35I7(o), I3520, I3524, I3527, I3528, I3530, I353I, I3668, I3706, I3750
- var. curvula (Ehr.) Brun 7922, II579, II694, I3668
- var. rigida (Kütz.) Grun. 9568
- var. rigidula Grun. 9457, 9459
- var. sigma 7349, 9456-9459, I0468, II083, III28, III86, III94(o), II694, I327I, I3272, I3283, I3294
- var. sigmatella Grun. 9568
sigmaformis var. socialis Kar. 9459, 946I
- var. subrecta Pr.-Lavr. II083, II085
sigmoidea (Ehr.) W.Sm. 7I85, 7I88, 72I5, 7248-7250, 7620-7622, 7922, 7983, 7984, 7988, 7989, 7993, 800I, 8034, 8038, 8207, 8259, 8266, 8737, 8738, 8859, 89I4, 8940, 90I0, 90II, 9053, 9057, 9220, 9257, 9289, 9292, 9324, 9444, 9476, 9568, 9580, 9666, 9668, 9749(o), 980I, 9959, I0008, I0047, I0077, I0079, I0080, I0082, I02I8, I0220, I024I, I0280, I0548, I0549, I0646, I0657, I0665, I07I5, I0798, I0822, I0956, III90(o), II223, II537, II579, II694, II695, II866, II933, I2052, I2I2I, I2I22, I2I24, I2I25, I2323, I2324, I2327, I233I, I2343, I2347, I238I, I2482, I2579, I27I0, I2905, I29I0, I2926, I2945, I3008, I30I2-I30I4, I3I68, I32I9, I3246, I3249, I3269, I33?3, I339I, I3488, I3499, I35I7(o), I3520, I3522, I3524, I3529, I3562, I3583, I3590, I364I, I3642, I3668, I3689, I37I3, I3747, I3756(o,p)
- var. armoricana (Kütz.) Grun. 97I7
- var. sigmoidea 9457, III94(o), I327I, I3272, I3274, I3294
sinuata (W.Sm.) Grun. 9057, I0956
- var. sinuata 9444, II694
- var. tabellaria Grun. 8038, 9057, 9444, 9694, I0248, I0956, III90(o,p), II694, I27I0, I3246
socialis Greg. 8738, I2892
solea Hust. 72I9, 7222
spectabilis (Ehr.) Ralfs 7983, 7995, 8000, 9220, 9258, 9649, 9694, I0I69, I0646, I07I5, I0798, I0956, II694, I2095, I3I68, I3269, I35I7(o), I3522, I3645, I3668, I3706
sphaerophora var. acephala Pr.-Lavr. II8II(o,p)
stagnorum Rabenh. 800I, 8266, 90I8(o), 9087, 9292, 9444, 9445, 980I, 9959, I0245, I0956, III90(o,p), II967
stellata Manguin 9000(o,p), 9703(p), 9705(p)
stockmayeri Pant. 8254
sublinearis Hust. 762I, 7922, 800I, 8038, 90I8(o), 9289, 9694, 9932, I0046, I0080, I024I, I0956, III90(o), III84, II694, I2I22, I2383, I27I0, I3246, I3373, I35I9, I3522, I3524, I3642, I3668, I3689
- var. sibirica Skv. I3758(o,p)
subtilis (Kütz.) Grun. 7I64, 800I, 8738, 9568, I02I8, I0220, I0956, III90(o), II694, II930, I3246, I3249, I35I7(o), I3668
taenia Hust. 9703, 9705(p)
telezkoënsis Sheshuk. 9057
tenuirostris Mer. 706I, 7353-7355, 8034, 8604, 92I4, 9220, 922I, 96I9, 9787-979I, I02I0, I0276, I0279, I0280, I0803, I0840, III89, II442, II537, I20I9, I3249, I3750

thermalis Kütz. 7I50, 90I8(o), 9242, 9292, 980I, I0548, I0956, I0970, I0973, III90(o), II579, II694, I2095, I3246, I3249, I35I7(o), I3522
- var. minor Hilse 9444, 9749(o), I0548, II90(o), III94(o), II930, I35I7(o)
- var. thermalis 9444, I3283
tibetana Hust. 7054, 7973, 869I, 8700, 9694, I0I5I, I0I52, I02I8, I0220, I0959, I0975, III90(o), II45I, II694, I2095, I2I22, I3504, I35II, I35I7(o)
tryblionella Hantzsch 7I64, 7973, 7983, 7984, 800I, 8038, 8208, 878I, 8976, 9057, 9I08, 9220, 9356, 9357, 9360, 9568, 9666, 9694, 9748(o), 980I, I0099, I037I, I04I2, I0548, I0646, I0975, II57I, II579, I2522, I27I0, I30I2, I30I4, I3I56, I3206, I3269, I3287, I35I7(o), I3645
- var. ambigua Grun. 7530, 762I, 800I, 8738, 878I, I0548, I0646, I0939, I0975
- var. calida Grun. 8038, I3283
- var. debilis (Arn.) A.Mayer 7973, 9444, 9445, 980I, III90(o), II57I, II930, I3246, I3757(o,p)
- var. levidensis (W.Sm.) Grun. 7I87, 7I88, 7620, 7984, 7988, 7989, 800I, 8034, 8038, 878I, 9220, 9357, 9443(o), 9444, 980I, I02I8(o), I0220, I0548, I0902, I0939, III84, III90(o,p), II57I, II579, I3249, I3269, I327I, I3272, I3283, I3294, I35I7(o), I35I9
- var. maxima Grun. 9289, 9459
- var. obtusiuscula Grun. 7973, 95I2, I3283
- var. tryblionella 9444, I04I4, I0939, I3274, I3283
- var. victoriae Grun. 7054, 7973, 7975, 7988, 8000, 800I, 8038, 8686, 8700, 878I, 9220, 9449, 980I, I04I2, I04I4, I0939, II455, I3269, I3294, I35I7(o), I3645
tubicola Grun. 7054, 869I, 8700(p), I02I8, I0220, II694, I3668
turgidula Hust. 9703
turkestanica E.Kissel. III90(o)
vermicularis (Kütz.) Grun. 7I3I, 7I32, 7I35, 7I42, 7507, 7922, 7984, 7988, 7989, 7993, 7994, 800I, 8038, 8266, 8874, 89I3, 89I4, 89I7, 8976, 9053, 9057, 9220, 9289, 9292, 9443(o), 9444, 9492, 9580, 9694, 9749(o), 980I, 98I9, I0008, I0047, I0077, I0080, I0082, I0245, I0280, I0368, I0646, I0955, I0975, III90(o,p), III94(o), II694, II695, II866, I2052, I2I22, I2347, I2363, I2364, I2420, I2934, I30I2, I3027, I3I20, I3245, I3246, I3249, I327I, I3283, I3373, I35I7(o), I3520, I3524, I356I, I3562, I3642, I3668
- var. maeotica Pant. 9720
vidovichii Grun. II083, II085
viridis (Nitzsch) Ehr. I30I2
vitrea Norm. 7054, 7I87, 7676, 7678, 8207, 9444, 980I, I0I48, I0I50, I0I52, I0I53, I0247, I27I0, I2933, I3246, I35I7(o), I375I
- var. finmarchica Grun. 9568
- var. salinarum Grun. 8034, I07I5
- var. scaphiformis Wisl. et Poretzky 7I50
- var. vitrea 8687, 869I, 8700, 9457
vivax W.Sm. 7620, 8738, I0I52, I0384, III90(o), I3668
- var. hyperborea Grun. II694

- var. vivax 9457
wankaremae Cl. 9703-9705
Noctiluca Suriray
miliaris Suriray 7596, 7598, 792I, 7925, 793I, 7933, 7935, 82II, 9I24, 9I38, 92I5, 9220, 9232, 9896, 9965, 9966, I0757, II284, II40I, I3388

Nodosinella
sp. sp. I3232(p), I3233, I3237(p)
tatarstanica Antr. 7269, I323I, I3236, I3237
- f. grandis I3237
Nodosinellina Antr.
sp. sp. 7268
Nodosochara Mädler
elivulata Peck et Recher 7789
Nodosoclavator Masl.
sp. sp. 9497, I0I68
longus Schaikin 808I, 9497, I3265(o,p)
nodosi Harris I3262
nodosus (Peck) Masl. 7737, 808I, 9497, I0585(p), I3265
sphaericus Schaikin 808I, I3265(o,p)
Nodularia Mert. ex Born. et Flah.
sp. sp. 7I85, 7294, 8645-8647, 865I, 8652, 8660, 8969, 8970, 9I08, 9226, 9437, I009I, I0280, II705, II706, I209I, I2I30, I2689, I2700, I270I, I2703
harveyana (Thw.) Tyrp. 7348-7350, 7353-7355, 7676, 7678, 7750, 8038, 9I32, 9227, 9656, 9768, I0026, I0I49, I0280, I0548, I07I5, I0956, IIII7, II479, II480, II483, II757, I2092, I2094, I3456, I35I7, I35I8, I3522

- f. harveyana 8776, ILI84
- f. sphaerocarpa (Born. et Flah.) Elenk. 8035, I07I5, I0955, II479, II483, II756, II757, I35I7(o), I35I8, I3522, I3526
spumigena Mert. 7I09, 7II2, 7I83, 7248, 7350, 7352-7355, 7908, 7925, 7926, 8038, 8486, 9024, 9220, 9250, 9292, 9297, 9748(o,p), 9749(o), 980I, 98I9, 9959, I0026, I0079, I0080, I0276, I0280, I0463, I07I5, I0798, I0925, II087-II089, III90(o), II442, II479, II537, II756, II757, II865, I2092, I2358, I2643, I2650, I2699, I2897, I35I7(o), I35I9, I3525, I3526, I3645, I3679, I3689
- f. litorea (Kütz.) Elenk. 7I87, 9749(o), II537, I3248-I3250, I35I7, I3526
- f. major (Kütz.) Elenk. II756, I35I7
- f. spumigena 8776
Nodularites Masl.
maslovii Schep. I3337
Nostoc Vauch. ex Born. et Flah.
sp. sp. 7I73, 7286, 7375, 7573, 7575, 7675, 7848, 8309, 8452(p), 8467-8469, 8493, 8505, 85I6, 8570, 8633, 875I, 8807, 8837, 8838, 9024, 9I04, 9I08, 9257, 9299, 9554, 9557, 9580, 96I8, 9746, 9755, 98I2-98I5, 98I7, 9878, 9944, 997I, I0I04, II259, II395, II709, I228I, I2297, I2302, I2338, I2389, I2474, I3347, I3350, I3386, I3640, I3736
calcicola (Bréb.) Born. et Flah. II262, II263, II265, I3456
coeruleum Lyngb. 928I, I02I8, I0220

commune Vauch. 7II8, 7389, 739I, 7673, 7676-7678, 8373, III36-III39, II262, II690, II755, II756, II886, I2670, I267I, I280I, I29I2, I3442, I3452, I3455, I3456
- f. microsphaericum II757
cuticulare Born. et Flah. II753
edaphicum Kondrat. 9765(p), 977I
entophytum Born. et Flah. II753
kihlmanii Lemm. 9768
linckia (Roth) Born. et Flah. 7380, 8304, 8308, 9768, 9860, I02I8, I0220, II556, II753, II756, II757, I3545
- f. muscorum (Ag.) Elenk. II756
- f. spongiaeforme (Ag.) Kütz. 9024
microscopicum Carm. I0028(o)
muscorum Ag. 7367, 7368, 8467-8469, 8570, 86I3, 930I, I0670, II03I, II059, IIII6, II262, II263, II265, II3I7-II324, II39I, II392, II524, II704-II707, II886, II924-II926, I202I, I2244, I2297, I267I, I280I, I2803, I2805-I2807, I2862, I3442, I3452, I3455, I3456, I3546
paludosum Kütz. 7673, 7676, 8304, 928I, 9849, 9859, 9860, II076, II262, II264, II265, II3I8, II3I9, II39I, II392, II394, II756, II886, I3456, I3545, I3546
planctonicum Poretzky et Tschern. 8462
pruniforme Ag. 7588, II886
punctiforme (Kütz.) Hariot 7575, 7644, 7676, 8570, 96I7, 977I, 98I2-98I5, 98I7, I02I8, I0220, I0734, I0737, I0967, III36, III38, II262-II265, II3I8, II3I9, II39I, II392, II394, II753, II755-II757, II795, II886, I2282, I2288, I2297, I2302, I2303, I2307, I2638, I2670, I267I, I280I, I2803, I2805, I2806, I29I2, I3456, I3546
- f. anabaenoides (Kütz.) Hariot 98I3
- f. populorum (Geitl.) Hollerb. I0967, III36, II262
sphaericum Menegh. II886
sphaeroides Kütz. III36-III39, II886, I3443
verrucosum Vauch. 8570, 8750, II524
zetterstedtii Aresch. 8304, I0220
Nothyocha Defl.
sp. sp. 8360
insolita Defl. 8362
Notosolenus Stokes
apocamptus Stokes 73I7, 7326
lagenos Skuja 73II, 73I3, 73I5(o,p)
orbicularis Stokes 880I
Nuia Masl.
orshanica Narozhnych 7579(o,p)
sibirica Masl. 9925
Nylea
fusiformis Schill. 9220
Obtusochara Mädler
sp. sp. I0I68
cylindrica Peck I0I68
prima Mädler 808I, 9497, I3265
Ochromonas Wyss.
sp. sp. 7082, 8274, 89I3, 89I6, I0646
crenata Klebs 9580
mutabilis Klebs 8274, 8555

ovata I0I85, I0I86, I0I90
pyriformis Matv. 9752
sociata Pasch. 980I
sphaerocystis Matv. 9749(o)
Odonthalia Lyngb.
sp. sp. 8275, 8277, I2605, I3403
aleutica (Mert.) J.Ag. 8054, I2064, I2604, I2607
corymbifera (Gmel.) J.Ag. 76I3, 76I4, 805I, 8052, 8054, 8060, 8070, II384, I2064, I2604, I2606-I2608, I290I
dentata (L.) Lyngb. 7577, 760I, 7606, 76I2, 76I3, 7765, 7766, 8054, 8064, 8070, 8275, 8279, 8550, 855I, 9I24, 9I52, 9I54, 9I75, 9I79, 9406, I0II0, II780, II783, I2907, I3708
- f. angustata Harv. 9I69
floccosa (Esp.) Falkenb. 8054, 8060, 8592, II384, I2604, I2607, I2608
kamtschatica (Rupr.) J.Ag. 8054
lyallii (Harv.) J.Ag. 76I6(o), I2604, I2607
ochotensis (Rupr.) J.Ag. 76I2-76I4, 8054, 8070, 8073, 9I24
semicostata (Mert.) J.Ag. 8060, 8070, 807I(o)
Odontochitina Defl.
sp. sp. 8539, II463(p)
costata Alb. 8540(o,p)
operculata (O.We.) Defl. 8048-8049(o,p), II463
silicorum Defl. I3567(p)
Odontochitinopsis Eis.
molesta Defl. 8048-8049(o,p)
Odontotropis Grun.
carinata Grun. 8364, 8365, 8370, 9952(p), II334, I2039, I2529, I3707
cristata Grun. II334
klavsenii Debes I2529
Oedogonium Link.
sp. sp. 7I8I, 7I82, 7I84-7I87, 7225, 7383, 7506, 7507, 7560, 7676, 7753, 7799, 7848, 7989, 8000, 800I, 80I6, 8038, 82I6, 8259, 8300, 830I, 8308, 8309, 83I9, 8505, 8700, 8725, 8777, 8778, 8859, 8890, 89II, 89I3, 89I4, 89I6-89I9, 8960, 90I8, 90I9, 902I, 9024, 9048, 9078, 9I49, 9I5I, 9202, 9203, 9242, 9257, 9289, 9292, 9448, 9476, 9568, 9648, 9649, 9657, 9666, 9684, 9688, 9689, 9694, 9743, 9748(o), 9749(o), 975I, 98I9, 9903, 9932, 9938, I0008, I0080, I0087, I0I07, I0I26, I0I27, I0I49, I0I52, I0I54, I0248, I0292, I0393, I04I9, I0469, I0548, I0563(o), I0644, I0646, I0849, I085I, I0854, I0905, I09I8-I0920, IIII7, IIII5, II223, II448, II455, II583, II670, II690, II733, II866, II88I, I2095, I2I57, I2I75, I2I95, I2247, I23I8, I2346, I238I, I2393, I2409, I2522, I2580, I2645, I2667, I27I0, I2848, I2933, I2934, I2936-I2939, I2944, I2950, I3008, I32I9, I3267, I3269, I34I2, I3482, I3488, I3499, I3503, I3507, I3508, I35I4, I35I9, I3525, I3529, I3530, I363I, I3642, I3656, I3679, I3699, I3704, I3727, I3736
acrosporum De Bary I2I75(o,p)
anomalum Hirn I3529
autumnale Wittr. I3623
borisianum (Le Cl.) Wittr. I3623

boscii (Le Cl.) Wittr. 9884
- var. occidentale Hirn III90(o,p)
braunii Kütz. I3623
capillare (L.) Kütz. I0956
capilliforme Kütz. 8038, I2939, I2950
cardiacum (Hass.) Wittr. 8570, I3420-I3423
- var. carbonicum Wittr. I3623
ciliatum (Hass.) Pringsh. I3623
cleveanum Wittr. I2020
crispum (Hass.) Wittr. 9884, I0I50, I0I53, I0956, I2020, I3623
- f. vernale (Hass.; Wittr.) Hirn I3623
cryptoporum Wittr. 9649
depressum Pringsh. 7376
flavescens (Hass.) Wittr. I3623
fragile Wittr. I0080, I3623
franklinianum Wittr. I3623
globosum Nordst. 9884
grande Kütz. 9884
hoyardii var. minus Hirn I095I, III90(o), I3526
insigne Hirn I3623
intermedium Wittr. 7048, 9749(o,p), I0I50, I0I53, I0956, I0975, I35I7(o), I3623
itzigsohnii var. minus West I2I75(o,p)
lautumniarum Wittr. 8038
longatum Kütz. I3623
macrandrium Wittr. 9749(o,p), I0I27, I3623
- var. propinquum (Wittr.) Hirn III90(o,p)
mammiferum Wittr. I363I
minus Wittr. I0956, I0975, I35I7(o), I3623
nodulosum Wittr. I0I50
- var. commune Hirn I3623
obesum (Wittr.) Hirn I3623
oblongum Wittr. 7048, 8725, 9289, 9438, I0955, I0956, I0975
pachyandrium Wittr. I0955
plagiostomum Wittr. 8038
pringsheimii Cramer 8778(o), I02I8, I0220
reinschii Roy I3623
richterianum Lemm. 8778(o), 905I, I0975, I2680, I3623
rupestre Hirn 8570, I3526
sexangulare Cl. var. sexangulare I3623
sodiale Wittr. 9649, I3623
sphaerandrium Wittr. et Lund. 9664, I0I48, I0I50, I0I5I, I0I53, I2020, I35II, I3623
- f. subcapitellatum Hirn 9024
stellatum Wittr. 9024, I3623
suecicum Wittr. I3623
tricicum Woronich. I3526
tumidulum (Kütz.) Wittr. I0955
tyrolicum Wittr. I2680
undulatum (Bréb.) A.Br. 7983, 8700, 9024, 9298, 9749(o), II866, I27I0, I3482, I3623, I363I
universrucosum Obuch. III90(o,p)
varians Wittr. et Lund. 9884, I0956, I0975, III90(o,p), I35II, I3526, I3528, I3623

vaucheri (Le Cl.) A.Br. 9024, 9202, 9580, 9884, I0I50, I0975, I1076, I1190(o), I3514
Oikomonas Kent
sp. sp. 8266
termo (Ehr.) Kent 8266
Omatia Cook. et Eis.
montgomeryi Cook. et Eis. 8048-8049(o)
Omphalophyllum Rosenv.
ulvaceum Rosenv. 9124, 9175
Oncobyrsa Ag.
sp. sp. 13518
revularis (Kütz.) Menegh. I095I
Oncobyrsella J.H.Johns.
sp. sp. 9833
Onychonema Wall.
sp. sp. 8308
filiforme (Ehr.) Roy et Biss. 945I, I0I60, I0218, I0220
laeve Nordst. 902I, I0I60, I0I62
- var. micranthum Nordst. 8038
Oocystidium Korsch.
ovale Korsch. I0646, I1128, I1158, I327I, I3272, I3520, I3535
Oocystis Näg. ex A. Br.
sp. sp. 7102, 7155, 7195, 7249, 7438(p), 7462, 7465, 7469, 747I, 7472, 7623, 7628, 7752, 7764, 7805, 8038, 8098, 8142, 8228, 8573, 8584, 8877, 8912, 8915, 8916, 8939, 9133, 9149, 9294, 9295, 9340, 9433-9434, 9499, 9501, 9503, 9568, 9643, 9648, 9807, 9940, 9959, I0008, I004I, I0046, I0III, I0II3, I0185, I0245, I0276, I0279, I0280, I0469, I0475, I0487, I074I, I082I, I0822, I09I4, I1157, I1158, I1198, I1488, I1790, I1793, I193I, I2128, I2197, I2199, I2236, I2252, I2327, I2333, I2382, I24I6, I2563, I2578, I2833, I3008, I3059, I3II7, I32I3, I3246, I3247, I3249, I3250, I3266, I327I, I3273, I3274, I3287, I3294, I3524, I3569, I3573, I3583, I3679, I37I3, I3736
apiculata West 9694, I0218, I0220, I0280, I276I, I2762
asymmetrica West 7050, 8294, I0218, I022I
borgei Snow 7103, 7104, 7215, 7218, 7249, 7250, 7469, 756I, 7647, 800I, 8038, 8260, 8555, 8604, 8725, 8800, 880I, 8859, 8890, 9220, 9242, 9289, 9292, 9296, 9298, 9340, 9649, 9687, 9694, 980I, 9944, I0077, I0079, I0080, I0082, I0220, I0363, I0365, I0706, I0878, I0906, I1184-I1186, I1190(o), I1537, I1672, I1673, I1736, I1864, I1866, I1885, I1932, I1933, I1966, I1967, I220I, I2327, I233I, I2577, I2579, I2580, I2897, I306I, I3127, I3245, I3246, I3249, I3250, I3274, I3689
- var. borgei 7462, 7465, 8570, I0008, I3270-I3272
- var. hypanica Schirsch. 8038
compacta Batur. 7463(o,p)
crassa Wittr. 7215, 756I, 7626, 7804, 800I, 8038, 8890, 8904-8907, 8909, 9024, 9296, 9298, 9752, 980I, 99II, 99I2, I0280, I1076, I1190(o), I1584, I1585, I1866, I1967, I2482, I28II, I3013, I3246, I3279, I3535
- var. crassa 8700, 8908, 89I0, 9500, I0220
- var. marssonii (Lemm.) Printz 800I, 8038, 9694, 980I, I0220, I1583, I1866, I1967, I30I2-I30I4, I35I5, I3747

echinulata Fr.-Lavr. II82I(o,p)
elliptica West 7294, 800I, 830I, 9220, 9242, 980I, 98I9, 9944, I02I8, I0220, I0309, I0956, I1537, I1583, I1585, I2I24, I3279, I3535
- f. minor West 7049, 8038
gigas Arch. 72I5, 7294, 90I8(o), 9242, 9438, 9687, 980I, I0I33, I074I, I1025, I1537, I3245, I3279, I3373
- var. borgei Lemm. 9959, I3520, I3535
- var. gigas 9133
- var. minor West I1866
- f. minor W. et G.S.West 8700(p), 9694
lacustris Chod. 7294, 7297, 7303, 7462, 7465, 7469, 800I, 8038, 830I, 8555, 8904, 8908-89I0, 9133, 9134, 9257, 9297, 9298, 9674, 9694, 980I, 9944, I0008, I0I72, I0I85, I0I90, I0218, I0220, I029I(o,p), I0646, I074I, I1128, I1190(o), I1537, I1672, I1860, I1864, I1866, I188I, I1933, I1966, I1967, I2333, I2478, I2505, I27I0, I2906, I2935, I2939, I3026, I3056, I306I, I3246, I327I, I3515, I3536, I3537, I3594-I3595, I3642, I3713, I372I, I3747
marssonii Lemm. 7050, 7626, 9752, I0080, I0218, I029I(o,p), I1583-I1585, I3057
mongolica Antip. 7244(o,p)
naegelii A.Br. 980I, I074I
- var. minutissima Bern. 9959
natans (Lemm.) Wille 7050, 7295, 7296
novae-semliae Wille 7215, 7217, 800I, 9220, 9298, I0008, I0218, I0220, I029I(o,p), I0292, I1672, I1967, I2482, I327I, I3272, I3520, I3527, I3535
- f. major Wille 8038, I1583
- f. minor Wille I074I
- var. novae-semliae 7465
parva W. et G.S.West 7215, 7217, 800I, 8038, 8825, 9289, 9500, 9643, 980I, I0046, I0220, I0242, I0362, I0968, I1866, I2323, I2327, I27I0, I306I, I3246, I3279, I3526
pelagica Lemm. 7050, 7215, 7218, 7249, 9220, 9580, 980I, 9959, I0080, I0133, I0218, I0220, I029I(o,p), I0292, I1672, I1673, I188I, I1933, I2122, I27I0, I3245, I3689
pseudocoronata Korsch. 7082, 7215, 7217, 7620, 800I, 9435, 980I, I0046, I0048, I1185, I1794, I1866, I2327, I3249
pusilla Hansg. 7215, 800I, 8581, 8725, 9314, 980I, I1866, I2579, I3177, I3178, I3245, I3246, I3250, I327I, I353I
rotunda Schmidle I0218, I0220
rupestris Kirchn. 7049, 7050, 7294, 8038, 8777, 8778(o), 958I, I0149, I3057, I3373, I3526, I3642
salina Popova I1663(p)
salmatica Zenjuk 9136(o,p)
socialis Ostf. 7349, 735I, 7354, 9124, 9132, 9492, I0218, I0220, I0280, I27I0, I3576
solitaria Wittr. 7215-7220, 7226, 7250, 7294-7297, 7626, 7627, 7757, 7806, 800I, 8038, 8392, 8604, 8700, 8718, 8825, 8904, 9018(o), 9220, 9289, 9297, 9298, 9433-9434, 9438, 9439, 944I, 9649, 965I, 9687, 9694, 980I, 9944, 9959, I0080, I0082, I0177, I0218, I0220, I0280, I029I(o,p), I0292, I0646, I074I, I0878, I095I, I1025, I1038, I1128, I1190(o), I145I, I1470, I1537, I1545-I1547, I1584, I1730, I1736, I1792,

11794, 11859, 11967, 12050, 12327, 12710, 13245, 13246, 13249, 13535, 13590, 13594-13595, 13642, 13653
submarina Lagerh. 7049, 7050, 7082, 7105, 7248, 7303, 7304, 7561, 7757, 7961, 8001, 8038, 8700(p), 8776, 8890, 8911, 8915, 8916, 9133, 9289, 9500, 9649, 9687, 9752, 9801, 10007, 10008, 10046, 10048, 10186, 10188, 10190-10194, 10277, 10280, 10291(o,p), 10292, 10905, 11025, 11087, 11088, 11093, 11190(o), 11451, 11537, 11672, 11673, 11736, 11866, 11967, 12478, 12482, 12504, 12680, 12710, 12863, 12897, 12932, 12935, 13061, 13148, 13178, 13246, 13249, 13271, 13274, 13506, 13509, 13512, 13515, 13517(o), 13520, 13529, 13535, 13540, 13581, 13645, 13689, 13740
verrucosa Roll 7992, 8001, 9801, 10220, 11866, 13246
Oodnadattia Eis. et Cook.
tuberculata Eis. et Cook. 8048-8049(o,p)
Opephora Petit
sp. sp. 9749(o), 11083, 11571
marina (Greg.) Petit 8738, 10379, 10380, 10384, 10468, 12467
martyi Herb. 7054, 7132, 7287, 7973, 7975, 8001, 8034, 8182, 8691, 8694, 8738, 8781, 8782, 8784, 8896, 8961, 8971, 8973, 8976, 9000, 9057, 9060, 9356-9358, 9360-9362, 9379, 9749(o), 9819, 10099, 10198, 10218, 10220, 10379, 10380, 10384, 10548, 10646, 10939, 11126, 11279, 11311, 11571, 11578, 11579, 11694, 11695, 11696(o,p), 12579, 12710, 12899, 13168, 13171, 13206, 13269, 13353, 13354, 13517(o), 13646, 13647, 13668, 13706, 13724, 13756(o,p)
- var. amphioxys Poretzky 8738, 13168
- var. baikalensis Skv. 10959, 11571, 13756(o,p)
- var. martyi 8423, 8700(p), 9458, 10902
- var. polymorpha (Jouravleva) Pr.-Lavr. 13201
pacifica (Grun.) Petit 8738
polymorpha Jouravleva 8896, 13167
schwarzii (Grun.) A.Cl. 8738, 9029, 10384(p), 10386(o,p), 10388, 10389, 10391
Ophiocytium Näg.
sp. sp. 9670, 9751, 11537, 13581
arbuscula (A.Br.) Rabenh. 9024, 11866
- var. longipes Ded.-Stscheg. 11866
capitatum Wolle 8001, 8038, 9694, 9748(o,p), 10008, 10046, 10220, 10363, 10690, 11866, 12327, 12478, 13583, 13736
- var. longispinum Lemm. 11866, 13736
- f. longispinum Lemm. 8038
cochleare A.Br. 8001, 9694, 9748(o,p), 9749(o), 10646
lagerheimii Lemm. 9694, 9748(o,p), 10008, 13287
majus Näg. 8038, 9694, 9749(o,p), 10363
parvulum A.Br. 9242, 9694, 9749(o,p), 9751
variabile Boh. 9694, 9751
Ornithocercus Stein
sp. sp. 9221, 9965, 12152, 12153, 12230, 12669
heteroporus Kof. 12153, 12223, 12597
magnificus Stein 7061, 10865, 12153, 12223
quadriatus Schütt 7061, 9141, 10014, 12153, 12223, 12444, 12669
splendidus Schütt 12153, 12669
steinii Schütt 7061, 7063, 10888, 10892, 12153, 12223, 12597, 12669

thurnii (J.Schm.) Kof. et Skogsb. 7061, 7956, 12153, 12223, 12597, 12669
Ortonella Garwood
sp. sp. 9823, 9833, 10564, 13232(p), 13236
artemovae Korde 9823
kershopensis Garwood 13304(o,p)
moscovica Masl. 9823
upensis Birina 9823
Oscillatoria Vauch. ex Gom.
sp. sp. 7041, 7080, 7082, 7155, 7181, 7185, 7221, 7222, 7250, 7251, 7303, 7348, 7351, 7353, 7381, 7389, 7391, 7472, 7506, 7575, 7588, 7621, 7626, 7627, 7630, 7632, 7669, 7676, 7717, 7731, 7764, 7777, 7799, 7805, 7806, 7871, 7987, 8025, 8038, 8255, 8256, 8259, 8319, 8381, 8426, 8493, 8505, 8543, 8604, 8633, 8634, 8645, 8661, 8710, 8725, 8746, 8747, 8750, 8816, 8859, 8877, 8910, 8912-8914, 8916, 8917, 8919, 8920, 9020, 9021, 9108, 9133, 9149, 9151, 9214, 9219-9221, 9257, 9289, 9316, 9340, 9393, 9437, 9466, 9490, 9492, 9499-9504, 9580, 9654, 9656, 9674, 9690, 9732, 9751, 9765, 9768, 9849, 9883, 9899, 9959, 10006-10008, 10104, 10154, 10210, 10244-10247, 10276, 10279, 10280, 10298, 10306, 10394, 10549, 10769, 10798, 10851-10855, 10868, 10878, 10896, 10925, 10928, 10968, 11039, 11076-11078, 11101, 11111, 11198, 11215, 11237, 11274, 11304, 11421, 11448, 11451, 11457, 11479, 11571, 11625, 11670, 11671, 11881, 11931, 11933, 11935, 12075, 12078, 12080, 12092, 12128, 12129, 12175, 12214, 12236, 12281, 12307, 12345, 12348, 12369, 12388, 12394, 12505, 12544, 12594, 12647, 12653, 12667, 12698, 12701, 12763, 12815, 12870, 12932-12940, 12944, 12945, 12950, 13008-13010, 13012, 13013, 13101, 13124, 13126, 13245, 13249, 13271-13274, 13287, 13293, 13294, 13312, 13384, 13387, 13398, 13412, 13453, 13488, 13507, 13537, 13583, 13600, 13635, 13640-13642, 13653, 13666, 13679, 13689, 13713, 13736, 13747, 13750
acuminata Gom. 10964, 10965, 10973, 11117, 11185, 13517, 13522
acutissima Kuff. 7750, 8001, 10026, 10148, 10149, 10151, 10153, 10968, 11117, 11190(o), 11753, 11756, 13482, 13517(o), 13522, 13526
agardhii Gom. 7627, 7643, 7644, 7704, 7705, 7961, 7964, 8301, 8321, 8473, 8670, 8777, 8778(o), 8859, 8917, 9298, 9568, 9580, 9755, 9801, 9959, 10026, 10031, 10798, 11039, 11865, 11866, 12687, 12688, 12704, 12710, 12810, 12904, 13009, 13010, 13127, 13271, 13274, 13287, 13631, 13641, 13642, 13689
- var. aequicrassa (Wisl.) Elenk. 9801, 10220
- f. aequicrassa Elenk. 8301, 8307, 8308, 8725, 8778(o), 9053, 9749(o), 9932, 10026, 11866, 12481(o), 13127, 13514, 13519, 13522, 13524, 13525, 13535, 13561, 13562
- var. agardhii 10220
- f. agardhii 9932, 10008, 12481(o), 12651(o)
- f. isothrix (Skuja) V.Poljansk. 8778(o)
- f. lemmermanii Elenk. 11866
- f. wislouchii Elenk. 8778(o), 13522
amoena (Kütz.) Gom. 7225, 7373, 8038, 8745, 9263, 9617, 9652, 9801, 10026, 10126, 10127, 10218, 10220, 10247, 10248,

I07I5, I0956, I0967, I0968, IIII7, I2I95, I234I, I2643, I2650, I2680, I2877, I30I4, I35II, I35I2, I35I4, I35I7(o), I35I8, I35I9, I3522, I3524, I3526, I3529, I3640, I3685
amphibia Ag. 7I82, 7I83, 7802, 7804, 7984, 7985, 7988, 7992, 7993, 800I, 8035, 8555, 8720, 8890, 8899, 9I23, 92I4, 9242, 9476, 9652, 9666, 9668, 9768, 980I, 9882, I0026, I0080, I0I48, I02I8, I0220, I0956, I0968, I0973, II537, II57I, II756, II866, II878, II933, I2020, I205I, I2090-I2093, I2095, I2I95, I248I(o), I2672, I2680, I27I0, I2933, I2934, I2950, I30I3, I3I78, I327I, I339I, I3508, I35I4, I35I5, I35I7(o), I35I9, I3520, I3522, I3524, I3527, I3529, I3530, I3535, I363I
- f. amphibia 7802, 8304, III85, I2650
- var. tenuis (Anissim.) Elenk. I0973, II579
- f. tenuis (Anissim.) Elenk. 800I, 8304, 9666, 9667, I35I4, I35I7, I35I9, I3522
amphigranulata Van Goor 7802, I0026, I35I7(o), I3526
anguina (Bory) Gom. 7225, 8777, 8778(o), 96I7, I0026, I0I26, I0280, I0959, IIII7, I2I95, I265I(o), I2937, I35I7(o)
angusta Koppe I0026, I2343, I35I7(o), I35I9, I3524, I3529
angustissima W. et G.S.West 7I50, I0080, II579, I3522, I3526
animalis Ag. 8778(o), 980I, I0026, I0644, I0968, I0975, IIII2, IIII3, IIII7, I2090, I2092, I2093, I2I95, I2809, I28I0, I3522, I3526, I3529
annae Van Goor 800I, 9687, 980I, I0026, I0220, I0905, I0956, IIII7, II866, I27I0, I35I7(o)
arnoldii I.Kiss. 8777, 9694, I35I7, I35I8
attenuata Woronich. I28I0
bonnemaisonii (Crouan) Gom. 8035, 8725, 8899, 9220, 9959, I0955, II57I, I35I7(o), I353I
bornetii (Zukal) Forti 8725, I0026, I0066, I0798, III83, I3524
- var. bornetii III86
- f. bornetii III84, I27I0
- f. tenuis Skuja 9666, I0026, I0220, I27I0
borodinii Woronich. I3522
boryana (Ag.) Bory 9666, 9668, 980I, I0327, I0328, I0956, I2638, I35I7, I3522, I3526
- var. kuibyscheviensis V.Poljansk. I2638
- f. kuibyscheviensis V.Poljansk. 7049, 9580, I0644, I3522
brevis (Kütz.) Gom. 7048-7050, 7225, 7248, 7676, 80I6, 8035, 8038, 8559, 8745, 8777, 8778(o), 8975, 9I23, 9652, 9664, 9668, 9768, 980I, 99II, 99I2, I0026, I0I26, I0I27, I0I48, I0I49, I0I5I-I0I53, I02I8, I0220, I0644, I07I5, I0956, I0963, I0967, I0968, I0975, II03I, III90(o), II264, II480, II483, II537, II702, II704-II707, II709, II720, II753, II756, II757, II866, II878, I2020, I2090, I2092, I2093, I2I95, I2449, I2637, I2638, I2650, I2656, I27I0, I2776, I2784, I2875, I2877, I2936, I2944, I2950, I3056, I3508, I35II, I35I4, I35I7(o), I35I8, I35I9, I3522, I3524, I3527, I3528, I356I, I3562, I3657, I3666
- f. brevis 8776, I2650, I2939
- var. variabilis (Wille) Elenk. 980I, III86, I3522
- f. variabilis (Wille) Elenk. 7387, 8776, 8778(o), I0026, I0I27, III84, I35I7, I3529, I356I

carboniciphila Prát I3522
chalybea (Mert.) Gom. 7I82, 7I83, 7I87, 72I5, 7222, 7804, 7805, 7984, 7988, 7992, 7993, 800I, 8035, 8038, 8725, 8745, 8777, 8940, 90I0, 9053, 9289, 9292, 9580, 9648, 9649, 9694, 9768, 980I, 99II, 99I2, I0026, I0080, I0644, I0646, I0956, II57I, II756, II866, II930, I2020, I2054, I2I22, I2343, I2346, I2379, I238I, I2383, I2522, I2680, I27I0, I2776, I2784, I2926, I2936, I2937, I2944, I2950, I3246, I3247, I3250, I3497, I3499, I35I7(o), I35I8, I3520, I3522, I3524, I353I, I3562
- f. chalybea (Mert.) Gom. 8776, II184, I2939
- f. conoidea V.Poljansk. 7225, 7802, 800I, II866, I3504, I35I7(o), I3524
chlorina (Kütz.) Gom. 800I, 8777, 8778(o), 9053, 9078, 96I7, I0026, II88I, I2048-I205I, I2054, I2090, I2092, I2643, I2650, I2656, I2776, I2784, I35I7, I3522
- f. chlorina I2650, I2654(o)
- f. typica Elenk. I0644
coerulescens Gicklh. I0026
corallinae (Kütz.) Gom. 8035, 8899, 9768, II57I, I3524
cortiana (Menegh.) Gom. 7049, 8038, I0I52, I3499, I35I7(o), I3522, I3526
curviceps Ag. 7I82, 7I83, 8038, 8700, 8725, 9289, I0220, I0220, I0280, I0798, I0905, II45I, II455, II866, II88I, I2650, I2937, I2939, I35I7(o), I3522, I353I
deflexa W. et G.S.West 7225, I0973, I2680, I3504, I3522
deflexoides Elenk. et Kossinsk. 8778(o), 9694, 9749(o), I0026, I02I8, I0220, I0956, I0973, IIII2, IIII3, IIII7, III90(o), I2093, I2579, I3509, I35I7(o), I3522, I3529, I3657
dzeman-sor Woronich. I0956
erythraea (Ehr.) Geitl. 75I3, 75I4, I0015, I0016, I3077
foreaui Frémy I35I4, I35I9
formosa Bory 7048, 7049, 7225, 7984, 800I, 8559, 8745, 9085, 9263, 9652, 9694, I0026, I0I53, I0548, I07I5, I0956, I0968, I0973, I0975, II076, II720, I2049, I205I, I2I95, I248I(o), I27I0, I2776, I2784, I2809, I2944, I2950, I34I2, I3499, I3506, I35II, I35I7(o), I35I8, I3519, I3522, I3524
fulgens Böcher 9694
geitleri I.Kiss. I35I7(o), I35I8
geminata (Menegh.) Gom. 7I50, 7I83, 7749, 7983, 7992, 7994, 800I, 8035, 8700, 8720, 8725, 8859, 8890, 9438, 9476, 9649, 9694, 975I, 980I, 9882, I0026, I0080, I0I50, I02I8, I0220, I0973, II455, II57I, II747, II865, II866, I2020, I2092, I2093, I2I22, I2I24, I2522, I2680, I2809, I2934, I2950, I30I3, I3I77, I3I78, I327I, I3272, I3499, I3502, I3505, I3506, I3508, I35II, I35I4, I35I5, I35I7(o), I35I8-I3520, I3522-I3524, I3526, I356I, I3562, I3565, I3657
- f. geminata (Menegh.) Gom. II184, I3274
gloeophila Grun. I0026, I0080, I0956
gracilis Böcher 8776, 9882, I0I50
granulata Gardn. 800I, 80I6, 8778(o), 9748(o,p), 980I, I0026, I0I49, I02I8, I0220, I0548, II866, I2247, I3009, I30I0, I30I4, I35I7(o), I3747
- f. sibirica (Popova) V.Poljansk. 7802, 8908, I2420

guttulata Van Goor 7373, 8000, 800I, 9749(o), I0026, I0220, I2343, I3009, I30I0, I3524
hildebrandtii (Gom.) Geitl. 7956, 9965, I2I53
ingrica Woronich. 800I, 8700, I0008, II45I, II452, II455, II88I, I327I, I3274
insignis Skuja I3529
irrigua (Kütz.) Gom. 7048-7050, 7620, 800I, 80I6, 8038, 8555, 8725, 8778(o), 9088, 9289, 9492, 96I7, 9664, I0026, I0II3, I0I48, I0I49, I0I5I-I0I53, I0220, I0280, I0798, I0956, I0963, III28, II866, I2090-I2092, I248I(o), I2637, I2650, I30I0, I30I2-I30I4, I3056, I3499, I35II, I35I4, I35I5, I35I7(o), I35I9, I3520, I3525, I3529
janthiphora (Fior.-Mazz.) Gom. I3522
jasorvensis Vouk I0I52, I3520, I3522, I3524, I3529, I3530
jenensis G.Schm. IIII7
karakalpakensis Muzaf. I35I8
kisselevii Anissim. 800I, 8035, 9220, II57I, I265I(o)
kuetzingiana Näg. I0956, II720, I2449, I3666
- f. crassa (Woronich.) Elenk. 800I, I35I0
lacustris (Kleb.) Geitl. 7804, 7805, 7992, 800I, 8457, 8555, 8700, 8904, 8909, 9242, 9649, 965I, 9694, 980I, I0008, I0548, I0646, III90(o), II672, II673, II675, II866, I2020, I2579, I27I0, I30I0, I30I3, I3246, I3269, I35I7(o), I35I8, I3583, I3736
laetevirens (Crouan) Gom. 7048, 8035, 9768, IIII7, II442, II537, I2I95, I35I4, I35I7(o), I3522, I3524, I3529, I3533
lauterbornii Schmidle 9694, 980I, I0026, I2048, I2050, I205I, I2776, I2784, I3524
lemmermannii Wołosz. 7049, 7050, I0026, I0I52, I35I7
limnetica Lemm. 7I02-7I04, 7627, 7988, 7989, 7993, 800I, 8555, 8745, 8776, 969I, 9749, 9800, 980I, I0026, I0I5I, I0875, I0876, I0878, I0956, II673, II790, II859, II864-II866, II967, I205I, I2093, I24I6, I27I0, I30I3, I30I4, I3026, I3I27, I3246, I3247, I3249, I3250, I327I, I34I2, I3506, I3508, I35II, I35I7(o), I35I9, I3520, I3522, I3524
limosa Ag. 7048, 7049, 7I83, 7I86, 7222, 7296, 7676, 7985, 7989, 7992, 7993, 800I, 80I6, 8035, 8038, 8266, 8304, 8308, 852I, 8700, 8725, 8745, 8750, 8778(o), 8890, 89I4, 8940, 8953, 90I9, 9053, 9078, 9088, 9I23, 9289, 9292, 9297, 9324, 9476, 9568, 9580, 96I7, 9648, 9649, 9664, 9666, 9668, 9749(o,p), 980I, 9932, 9938, 9944, I0026, I0I29, I0I33, I0I48, I0I49, I0I5I-I0I53, I0220, I0286, I0307, I0548, I0646, I0798, I0955, I0956, I0968, I0997, III83, III90(o), II442, II45I, II455, II697, II720, II865, II866, II88I, II933, I2048-I2051, I2054, I2090-I2092, I2343, I2346, I2347, I2383, I2393, I2478, I248I(o), I2522, I2579, I2637, I2650, I265I(o), I2652, I2656, I27I0, I2906, I2937, I30I0, I30I3, I30I4, I3027, I3I20, I3246, I3249, I3250, I327I, I3352, I3482, I3497, I3499, I3506, I3508, I35II, I35I7(o), I35I8, I3522, I3524, I3526, I3528, I356I, I3562, I3666
- f. disperso-granulata (Schkorb.) Elenk. 800I, 8038, 9476, I0026, I0548, III90(o), II866, I3499, I35I7(o), I3522
- f. laete-aeruginosa (Kütz.) Elenk. I0I27
- f. limosa 7802, 8776, I0008, III84

lloydiana Gom. 8035, 9768, II756
major Vauch. 9666, I0955, I0956, II455, I2092, I2449, I2937, I3504, I35I7(o)
margaritifera (Kütz.) Gom. 8035, 9I23, 92I4, 9768, II279, II57I, II579, I2090, I2092, I3503, I3504, I35II, I35I7(o)
mexicana Rouch. I20I2(o,p), I20I9
minima Gicklh. 7802, 980I, I0026, I0644, I35I7, I3526
mirabilis Böcher 7802, I3520, I3522
mougeotii (Kütz.) Forti 72I5-72I8, 7220, 800I, 8038, 8778(o), 9647, 9648, 965I, 9652, 980I, 9944, I0008, I0026, I0I52, I02I8, I0220, I0548, I0798, II88I, I2090, I2643, I3245, I35I7(o), I3526, I3747
- f. major Elenk. 8700, 8778(o), III83, II45I, I2654(o)
- f. mougeotii III84, I2650
mucicola Woronich. I0220, II897, I3246, I35I7(o), I3526, I3533
neglecta Lemm. I0026, I0968, II753, I2093, I35I4, I35I7(o), I3524, I3526
nigra Vauch. 7992, I0026, I0956, II88I, I2650, I265I(o), I30I3, I35I7(o), I3535, I3747
nigroviridis Thw. 8035, 8899, 9I23, 92I4, 9220, III89, II537, II57I, I3249
nitida Schkorb. 7805, 8700, 8778(o), II455, I35I2, I35I7, I3520, I3522, I3533
numidica Gom. I3522
okenii Ag. 7048-7050, 7750, 800I, 8559, 9694, 9748(o), 980I, I0973, I0975, I35I7(o), I35I8, I3522
- f. gracilis (Kütz.) V.Poljansk. 9694, I2I95
ornata (Kütz.) Gom. 7992, 9749(o), I0026, I0I48, I0798, I0975, II866, II88I, II930, I3008, I3453, I3499, I35I7(o), I3522, I3524, I3530
- f. ornata 7802, I265I(o)
- f. planctonica Elenk. 7992, 8725, 9687, 9749(o), I265I(o), I35I7(o), I3524, I353I
perfilievii Anissim. 800I, 9694, I0963, I3530, I353I
planctonica Wołosz. 7050, 72I5, 72I8, 7222, 7303, 7620, 77I3, 7802, 7805, 7992-7994, 800I, 80I6, 8038, 8I47, 8700, 8720, 8874, 9024, 92II, 92I4, 9220, 9292, 9439, 944I, 9476, 9580, 9664, 9666-9668, 9749(o), 975I, 9755, 980[illegible], 9882, 9944, 9959, I0026, I0II3, I0I49, I0I52, I0I85, I0I86, I0I90, I0362, I0365, I0366, I0955, III84, III89, II45I, II673, II747, II930, II966, II967, I2092, I2093, I22I7, I27I0, I30I0, I30I2-I30I4, I3I27, I3I29, I3I78, I3208, I3249, I327I, I3272, I3294, I35I7(o), I3520, I3524, I363I
- f. ornata 975I
princeps Vauch. 7296, 7802, 7805, 80I6, 8038, 8266, 8725, 8776, 8778(o), 9024, 9053, 9078, 96I7, 9694, 975I, 980I, I0026, I0080, I0I49, I0I50, I0I53, I02I8, I0220, I0276, I0280, I0548, I0798, I0955, I0956, I0959, I0973, I0975, I0997, III84, III90(o), II866, I2049, I2343, I2379, I2383, I248I(o), I2645, I2650, I2652, I2656, I2680, I2776, I2784, I2938, I2950, I3008, I3245, I3499, I35I7(o), I35I8, I3522, I3524, I3594-I3595, I3642
proboscidea Gom. 7I83, 8559, 9289, 9492, I0026, I0973, III90(o), I248I(o), I2937, I3502, I35I7(o), I3522
- f. westii (Forti) V.Poljansk. I3522

profunda Kirchn. 980I, I0026, I35II
prolifica (Grev.) Gom. I0027, I003I, I0I5I, I35I4, I35I7(o), I3522, I3529, I3642
pseudogeminata G.Schm. 7I03, 7I50, 7225, 800I, 9667, 9882, I0026, I0I26, I0I27, I0644, I0968, IIII2, IIII3, II442, II866, I226I, I2934, I327I, I3274, I3503, I35I4, I35I7(o), I35I9, I3522
putrida Schmidle 800I, 9I23, I2048, I2050, I205I, I2054, I265I(o)
quadripunctulata Brühl et Biswas 800I, I0I29, I0I52
- f. crassa (Anissim.) Elenk. 9694
quasiperforata Skuja 9694, I35I7, I3526
redekei Van Goor 83I0, 9289, I0026, I003I, I2896, I3689
rubescens (DC) Gom. I0027, I003I, II276, I35I4, I35I7(o), I3529
rupicola Hansg. 7050, 7222, 800I, 80I6, 8778(o), 9748, I0I49, I0548, I0956, I0968, I209I, I2094, I3503, I3504, I35I7(o)
sancta (Kütz.) Gom. 7I83, 7676, 7678, 7992, 8725, 8745, 8778(o), 8890, 90I9, 9024, 9289, 9298, 96I7, 9801, 9932, I0026, I0080, I0955, I0956, I0975, II866, I2650, I2656, I2937, I3057, I3453, I3499, I3506, I35II, I35I4, I35I7(o), I35I9, I3522, I3526, I353I
- f. caldariorum (Hauck) Elenk. I0026
- f. sancta I0008, I2650
- f. tenuis (Woronich.) Elenk. I0548, I35I7
schroeteri (Hansg.) Forti 9024, I2638
setigera Aptek. 9476, 9959, I0I48, I0I5I, I0I53, II537, I2092, I35I7(o), I35I9, I3522
simplicissima Gom. 7048, 7049, 7225, 7248, 7802, 800I, 80I6, 8038, 8890, 9289, 9580, 980I, 9932, 9959, I0026, I0080, I0I49, I0I53, I0548, I0973, II128, II184, II865, II866, I2095, I248I(o), I2522, I2643, I27I0, I3009, I30I0, I30I4, I3502, I35I4, I35I7(o), I35I9, I3522, I3523, I3529, I3530
spirulinoides Woronich. 7373, 7753, 7754, I3439
splendida Grev. 7048, 7I87, 800I, 8038, 8266, 8745, 8804, 9024, 9263, 9275, 9292, 9694, 9765, 9768, 980I, I0I5I, I0I53, I0026, I0080, I02I8, I0220, I0247*, I0350, I0644, I0730, I0956, I0975, II866, I2054, I2660, I2688, I2776, I2784, I2904, I30I3, I3442, I3455, I35II, I35I4, I35I7(o), I3522, I3526, I3530, I3699, I3747
subbrevis Schmidle 8570, I0670, I3640
subcapitata Ponomar. 8725, I0307, I0644, I0798, I2637, I3499, I3503, I3504, I35I7(o), I3526
subproboscidea W. et G.S.West 965I
subtilissima Kütz. 800I, 89I3, I0026, I0644, II57I, II573, II932, I2049-I205I, I2093, I2643, I2654(o), I27I0, I2877, I3009, I30I0, I30I3, I3503, I3504, I35I7(o), I3520, I3533
subuliformis Kütz. 9I23, II279, II537
tambi Woronich. 8035, 8778(o), I0798, I0955, II57I, II573, II579, I2090, I35I7(o), I35I8, I3522
- f. anissimovae Elenk. 8777, 8778(o)
tanganyikae G.S.West 8725, 9694, I3503, I3504, I35I7(o), I3524, I3526, I353I
tenuis Ag. 7049, 7050, 7I50, 7I82, 7I83, 7I86, 7I87, 72I5, 72I7, 72I9, 7222, 7225, 7345, 7802, 7805, 792I, 7922, 793I, 7964, 7983, 7985, 7987-7989, 7992-7994, 800I, 80I6, 8038, 8266, 8304, 8555, 8700, 8745, 8777, 8778(o), 8800, 8804, 8859, 8874, 8940, 8953, 90I0, 90II, 9024, 9053, 9078, 9I23, 9I24, 92I2, 9220, 9287, 9292, 9297, 9298, 9324, 9438, 9476, 9568, 9580, 96I7, 9643, 9648, 9649, 965I, 9666, 9668, 9687, 9694, 9768, 980I, 99II, 99I2, 9932, 9944, I0008, I0026, I0077, I0080, I0II4, I0I27, I0I29, I0I49, I0I53, I02I8, I0220, I0280, I0548, I0646, I0798, I0905, I0956, I0967, I0968, I0970, I0973, III28, III83, III89, II45I, II452, II455, II578, II692, II859, II865, II866, II88I, II930, II965, I2048-I205I, I2054, I2090, I2092, I2093, I2I95, I2343, I2346, I2379, I238I, I2383, I2482, I2496, I2522, I2638, I2776, I2784, I2876-I2878, I2926, I2934, I2935, I2937, I2938, I2944, I2945, I2950, I3008, I3027, I3I20, I3I77, I3I78, I327I, I3272, I3508, I35II, I35I4, I35I7(o), I35I9, I3520, I3522-I3524, I3527, I3528, I356I, I3562, I3564, I3565, I3657, I3699
- f. asiatica (Wille) Elenk. I35I7, I3526
- f. natans (Kütz.) Elenk. 90I8(o)
- f. nigra (Schkorb.) Elenk. II866, I35I7, I3526
- f. rivularis (Hansg.) Elenk. I0026
- f. subcrassa (Conr.) Elenk. 800I, I0026, I27I0, I3274
- f. symplociformis (Hansg.) Elenk. I0I27
- f. tenuis 7802, 8776, I2650, I27I0, I2939, I3274, I3294
- var. tergestina (Kütz.) Elenk. 7992
- f. tergestina (Kütz.) Elenk. 7050, 800I, 8038, 8700, 8778(o), 89I6, 9289, 9694, I0026, I0I26, I0I27, II45I, II866, I2049-I205I, I27I0, I35I4, I35I7, I3522, I356I, I3562, I3564, I3565
- f. uralensis (Woronich.) Elenk. 8307, I0548, I0644, I0975, I248I(o), I35I9, I3522, I3523, I3526
- f. woronichiniana Elenk. 8777, 8778(o)
terebriformis (Ag.) Elenk. 7048-7050, 7225, 7804, 800I, 8777, 8778(o), 9203, 9242, 9289, 9476, 96I7, 9652, 980I, I0008, I0026, I0028(o), I003I, I0644, I0955, I0956, I0963, I0970, I0975, IIII7, II57I, II747, II859, II866, II88I, I2090, I209I, I2095, I2I22, I2I95, I2343, I248I(o), I2637, I2688, I27I0, I2809, I2874, I2877, I3274, I3502, I3506, I35II, I35I2, I35I7(o), I3522, I3528-I3530, I3642
- f. amphigeminata Elenk. 8777
- f. amphigranulata Elenk. et Kossinsk. I0956, I3057
- f. beggiatoiformis (Grun.) Elenk. 7373, 8778(o), I0026, I2090-I2092, I35I7(o), I3529
- f. caucasica Elenk. et Kossinsk. 8778(o), I0I26, I0I27, I0956, I2645, I2650, I2654(o), I2656, I3057, I35I0, I35I2, I3526
- var. grunowiana (Gom.) Elenk. 980I
- f. grunowiana (Gom.) Elenk. 8778(o), I0I26, I0973, II866, I3246, I3247, I3250, I3499, I35I7, I35I9, I3522
- f. pseudogrunowiana Elenk. et Kossinsk. II184
- var. tenuis (Woronich.) V.Poljansk. I327I
- f. tenuis (Woronich.) V.Poljansk. IIII7, I327I
- var. terebriformis I327I
- f. terebriformis I2650
- f. typica Elenk. I07I5
thermarum Woronich. 8035, I0973, I3504, I3522
thiebautii (Gom.) Geitl. 706I-7063, 75I3, 75I4, 7956, 83I8, 9084, 9I37, 9I38, 95II, 9604, 9787, 979I, 9865, 9965, 9994,

9995, I00I5, I00I6, I00I7(o), II450, II540, II54I, I20I9, I2I53, I2223, I2224, I2442, I2597, I3077, I3I00, I3I02
trichoides Szaf. II57I
uorainica Vladim. 798I(o,p), 7983-7986, 7988, 7989, 7992-7994, 8000, 800I, 8873, 8874, 980I, II866, I3I20, I3I2I, I3I25, I3246, I3250
unigranulata I.Kiss. I35I7(o), I35I8, I3526
utermoehliana (Unterm.) Elenk. 9694, I3529
variabilis (Wille) Kondrat. II756
willei Gardn. 7048, 7992, 8778(o), 965I, 9659, I0955, I0968, I2092, I2093, I35I4, I35I7(o), I35I9, I3522, I3530
woronichinii Anissim. 7049, 7050, 8035, 8038, 8603, 8890, 89I7, I0243, II57I, II573, II578, I2020, I3509, I35I4, I35I7(o), I3522, I3524, I3529
Oscillatorites Zalessky
sp. sp. I02I7
wernadskii Schep. 9244, I3337, I3338(p), I3339
Ostreobium Born. et Flah.
quekettii Born. et Flah. 903I, 9I52
Ottonia Schill.
caudata Schill. 8763
Ovulites Lamarck et Lamour.
renatus Liventahl 7I52, 8480, II462
sarmaticus Chalil. 8254
Oxyrrhis Duj.
marina Duj. 92I5, 9220, 9795
Oxytoxum Stein
sp. sp. 706I, 7953, 8760, 9I40, I2I53, I2223
belgicum Meunier I2892
caudatum Schill. I2223, I2230, I2597, I3675
challengeroides Kof. I2223
constrictum (Stein) Bütsch. 9I37, I2223, I2597
coronatum Schill. I2223, I2597
crassum Schill. I20I9
cribrosum Stein 7956
curvatum (Kof.) Kof. 7956, I2223, I2597
diploconus Stein 7063, I0888, I0892, I2I53
elongatum E.Wood I2I53
gigas Kof. 706I
gladiolus Stein 705I, 7952, 7954-7956, 7958, 9787, 9790, 979I, I0886-I0890, I0892, II997, I2004, I20I9, I2I53
globosum Schill. 7956, I2223
gracile Schill. 7956, I20I9, I2I52, I2I53
laticeps Schill. I2I53, I2223, I2597, I2599
longiceps Schill. 7956, I2I53
longum Schill. 7956, I2223, I2597
milneri Kur. t Whitt. 7063, 8763, I2I53, I2223, I2597
parvum Schill. 7956, 8292, I2I53, I2223, I2597
sceptrum (Stein) Schröd. I2597
scolopax Stein 7063, 7956, 8763, 9I37, I0886-I0889, I0892, I2I53, I2223, I2597
sphaeroideum Stein 7952, 7954, 7955, I2I53
- var. conicum (Stein) Lemm. 7956
steinii Schütt I2597

tesselatum (Stein) Schutt 706I, 7956, 8763, I00I4, I2223
turbo Kof. 9I37, I2I53, I2223, I2597
variabile Schill. 7956, 8762, 8763, I0840, I084I, I20I9, I2223, I2597
viride Schill. 7956, I2223
Pachyarthron Manza
cretaceum (Post. et Rupr.) Manza 76I2, 76I3, 7636, 8070, II384, I2064, I2604, I2606, I2607, I2609, I3633
Pachycladon G.Sm.
sp. sp. 9748(o)
umbrinum G.Sm. I3736
Pachytheca J.Hook.
sp. sp. II56I
Padina Adanson
sp. sp. I0908, I2564
commersonii Bory 8056
pavonia (L.) Lamour. 7I6I-7I63, 74I3, 7473, 7476, 7744, 7745, 8899, 890I, 94I8, I0055, I0056, I0058, I0059, I006I, I0I45, I0929, II142, II345, II346, II348, II408, II409(o), II4I0, II4I2, II423, II600, II60I, II605-II606, II626, II958, I3043, I33I3
vickersiae Hoyt 7473, I0058, II346, I29I7
Palaeocystidinium Alb.
golzowense Alb. 8048-8049(o,p), 8538
hyperxantha Vozzhen. II463
Palaeoglenodinium Defl.
sp. sp. I3567(p)
cretaceum Defl. 8048-8049(o,p), I3567(p)
Palaeohystrichophora Defl.
infusorioides Defl. 8048-8049(o,p), I3567(p)
spinosissima Defl. II372
Palaeoleptophycus Korde
sp. sp. 9823
Palaeomicrocoleus Korde
sp. sp. 9828, 9833
gruneri Korde 8I32(o,p)
Palaeomicrocystis Korde
sp. sp. 9823, 9828, I2753
cambrica Korde 982I(o,p), 9822, 9833
kaizasensis Pospelov II698(o,p)
kiyanicum Korde 9833
Palaeonites Masl.
permicus Tchuv. I3236
Palaeoperidinium Defl.
caulleryi Defl. I3567(p)
costaneae Defl. I3567(p)
pyrophorum Ehr. I3567(p)
Palaeophalacroma Schill.
unicinctum Schill. 7956
Palaeophyllum Masl.
elegans Masl. I3I8I
Palaeoporella Stoll.
sp. sp. 8378, 9823, 9824
Palaeorivularia Korde
sp. sp. 9828, 9833

Palaeotetradinium Defl.
silicorum Defl. 8048-8049(o,p)
Palaeothamnium Conti
kossovense Masl. 7522
Palaeotrigonium Vologd.
irregulare Vologd. 8II4
longiusculum Vologd. 8II4
pulchrum Vologd. 8II4
Palmella Lyngb.
sp. sp. 9202, I0646, I09I4, II720, I28I3, I2833, I3666
hyalina Rabenh. 8778(o), 96I7, 9959, I0822, I0968
microscopica Korsch. 8700, 9749(o), I0II3, I0220, I0970, IIII2, IIII3, I2I22, I2I95, I35I9, I3535
miniata Leibl. 7373, 96I7, I0II3, I0963, I0967, I0968, I0975, IIII2, IIII3, IIII7, II586(o,p), II878, I2I95, I2875, I2877, I3508, I35I7(o), I35I9
mucosa Kütz. I2I95
vulgaris I0967
Palmellochaete Korsch.
tenerrima Korsch. 8700
Palmellococcus Chod.
protothecoides (Krüger) Chod. II076, I220I(o)
Palmellocystis Korsch.
planctonica Korsch. 900I, 8038, 8700, 8725, 9047, 9438, 9439, 945I, 9687, 9749(o,p), 9I5I, I0008, I0048, I0II3, I0548, I0956, IIII28, IIII29, II45I, II455, II583, II585, I2482, I2863, I2932, I2934, I2940, I3266, I3270, I327I, I3274, I3530, I3524, I3529, I3535, I363I
Palmellopsis Korsch.
gelatinosa Korsch. 8804, I0970
Palmodictyon Kütz.
lobatum Korsch. I2332(o,p)
varium (Näg.) Lemm. 9932
viride Kütz. 8038, 9749(o), I0646, I2I75(o,p), I35II
Pandorina Bory
sp. sp. 7I03, 7506, 7805, 8227, 8258, 8452(p), 8939, 9I08, 9I49, 9959, I0I04, I0252, I0324, I0487, I05I2, I05I3, I0920, IIIOI, IIIII, IIII98, II406, II663(p), II67I, I2428, I2758, I3I42, I3268, I3645, I3705, I37I5, I3730
charkowiensis Korsch. 7I03, 7462, 7469, 7470, 7992, 800I, 87I0, 8859, 8942, 9289, 9292, 9580, 9687, 980I, 9882, 9932, I0008, I02I8, I0220, I0363, I0644, I0646, III28, I2333, I2482, I2928, I3I77, I3266, I3270, I327I, I3275, I3293
duplex I0905
mastigosphaera (Gobi) Schewiakoff
morum (O.F.Müll.) Bory 7082, 7I03, 7I04, 72I5, 7227, 7250, 7462, 7469, 75-7, 756I, 7589, 762I, 7627, 7628, 7732, 7758, 7799, 7804, 7305, 7992, 800I, 8038, 8098, 8202, 830I, 83I0, 8554-8556, 8604, 8700, 87I0, 87I8, 8800, 880I, 8859, 8904, 8905, 8908, 89I3, 89I4, 89I7, 89I8, 8924, 8940, 9008, 90I0, 90I8(o), 90I9-902I, 9024, 9I35, 9220, 9242, 9252, 9257, 9289, 9292, 9297, 9324, 9340, 9433-9434, 944I, 9476, 9568, 9580, 9649, 9674, 9675, 9687, 9724, 9749(o,p), 975I, 9755, 9800, 980I, 9820, 988I, 9894, 99II, 99I2, 9932, 9938, I0006-I0008, I0039-I004I, I0044, I0046, I0048, I0077, I0080,

I0082, I0II3, I0I3I, I0I33, I0I48, I0I53, I0I85, I0I86, I0I90-I0I94, I02I8, I0220, I0243-I0245, I0280, I0286, I0362, I0363, I0644, I0646, I0690, I0905, I0975, I0997, II077, III90(o), II223, II304, II45I, II455, II537, II670, II672, II673, II692, II697, II790, II828, II86I, II864, II866, II88I, II930, II935, II965, I2049, I2I24, I2I24, I2I75, I2248, I2323, I2324, I2327, I2350, I2357, I2359, I24I6, I2478, I2482, I2483, I2496, I2645, I2650, I27I0, I2863, I2906, I2935, I2939, I3009, I30I0, I30I2-I30I4, I3026, I3027, I3059, I306I, I3I27, I3I29, I3I45, I3I48, I3I77, I3I78, I3I97, I3I99, I3202, I3246, I3247, I3249, I3250, I3266, I3267, I3269-I3275, I3287, I3293-I3295, I3373, I339I, I3488, I3562, I358I, I3583, I3594-I3595, I3699, I3736, I3747
Panomninella Kolosov
sp. sp. 974I
ornata Kolosov 9740(o,p)
Pantoneura Kylin
baeri (Post. et Rupr.) Kylin 7606, 76I2-76I4, 8054, 8070, 8279, 8284, 9406
Papulophycus Vologd.
sp. sp. 9828, 9833
Parachabakovia Korde
sp. sp. 9833
Parachaetetes Deninger
sp. sp. 7268, 9389, 9823, 9833, I3232(p), I3233, I3237(p)
johnsonii Masl. I3232, I3235(o,p), I3236, I3237
palaeozoicus Masl. 7269, 9823, I3070, I3232, I3235(o,p), I3236, I3237
Paradella Masl.
sp. sp. 9823
alveata Masl. 7I76(o,p)
Paradictyocha Freng.
sp. sp. 8360
polyactis Freng. 8997
Paradoxia Swir.
multiseta Swir. 89I7, 8925(o,p), 9220, 980I, I0008, I0043(o,p), I0044, I0046, II859, II860, I3246
Paraepiphyton Wray
sp. sp. 9833
Parahistoneis Kof. et Skogsb.
sp. sp. 8763, I2597
pachipus Böhm. I2223
Paralia Heib.
sulcata (Ehr.) Cl. 9976
Pararchaemonas Defl.
coligera Defl. I3707
Pareodinia Defl.
ceratophora Defl. 8048-8049(o,p)
Parhabdolithus Defl.
sp. sp. I3473
condylosus Stover I0427(p), I0434
embergeri Noel I0427(p), I0432, I0434
nebulosus Luljewa I0434(o,p)
Parkerella Munier-Chalmas ex Morellet
binodosa Morellet I0608(p)

binodosiformis Masl. et Jarc. I0608(o,p)
mostensis Morellet I0608(p)
Pastillus Zalessky
sp. sp. I02I7, II56I
cellulosus Zalessky 7065, I2795
Paulschulzia Skuja
pseudovolvox f. inclusa Skuja I0220
Paulsenella Chatton
chaetoceratis (Pauls.) Chatton 92I5, 9220
Pavilardium
intermedium (Pav.) Rampi 7956
Peckichara Gramb.
callosa Masl. I0602(o,p)
pliocenica Masl. I0602(o,p)
Peckisphaera Gramb.
sp. sp. II784(o)
Pediastrum Meyen
sp. sp. 7243, 7294, 7400, 747I, 7506, 7623, 7626, 7738, 7764, 7777, 8038, 8099, 8I00, 8I06, 8I83, 8263, 8300, 8319, 8452(p), 8584, 8604, 8749, 8750, 8763, 8939, 9I04, 9I06, 9I49, 9I94, 9I99, 9337, 9357, 9433-9434, 9490, 9505, 9648, 9674, 9724, 9725, 9757, 988I, 9940, 9959, 997I, 999I, I0040, I0I04-I0I06, I0III, I0242, I0244, I0269, I0280, I03I7, I0324, I0459, I0469, I0475, I0487, I05II, I0549, I0822, I0906, II052, II078, III0I, III07, III23, III54, III55, II2I0, II326, II486, II490, II49I, II549, II550, II663(p), II67I, II683, II697, II7I2, II73I, II93I, II933, I2076, I2I2I, I2I27, I2236, I2245, I2320, I2344, I2346, I2356, I2359, I2394, I2428, I2477, I2485, I25I5, I2540, I2544, I2563, I26I2, I2620, I2637, I2667, I2833, I2899, I2906, I2982, I3008, I3II7, I3I42, I32I2, I32I3, I3280, I3404, I3645, I3646, I3648, I3665, I37I5, I3730, I3738, I3749
angulosum (Ehr.) Menegh. 7507, 8038, 9289, 945I, 98I9, 9932, I0008, I0I30-I0I33, I0220, I0866, II88I, I2579, I27I0
- var. araneosum Racib. I02I8, I3642
- var. laevigatum Racib. I02I8
bidentulum A.Br. I02I8, I3689
biradiatum Meyen 7399, 7620, 8038, 858I, 9289, 9357, 9568, I0008, I0046, I0080, I02I8, I0220, I0644, I0866, I0878, II736, II866, II88I, I2I75, I2I95, I2320, I2323, I2575, I2579, I3245, I327I, I3653
- var. biradiatum III28
- var. emarginatum A.Br. I0080, I3594
- var. granulatum Printz I2347
- var. longicornutum Gutw. 7507, II585
boreale 7052
boryanum (Turp.) Menegh. 7226, 7246-7249, 725I, 738I, 7462, 7465, 7467, 7469, 7470, 7507, 7620, 7626, 7628, 7702, 7806, 7848, 7877, 7984, 7986, 7988, 7989, 7992-7994, 800I, 80I6, 8023, 8025, 8026, 8038, 8097, 8098, 8202, 830I, 85I8, 85I9, 8520(o,p), 852I, 8554, 8555, 8557, 858I, 8700, 87I8, 880I, 8859, 8874, 8904, 8907, 89I2, 89I3, 89I7, 8924, 9009, 90II, 90I8(o), 90I9, 9042, 9053, 9I08, 9I33-9I35, 9220, 9242, 9257, 9289, 9292, 9298, 9324, 9340, 9357, 9466, 9476, 9492,

9499, 950I, 9568, 9648, 965I, 9687, 9694, 9699, 9748(o), 9755, 980I, 98I9, 988I, 9894, 9932, 9938, 9959, I0008, I004I, I0042, I0044, I0046, I0048, I0077, I0079, I0080, I0082, I0085, I0II3, I0I30, I0I33, I0I48, I0I94, I0I95, I02I8, I0220, I024I, I0245, I0279, I0280, I0286, I0292, I0305, I0363-I0365, I045I, I0463, I0548, I0644, I0646, I0657, I066I, I074I, I0798, I0822, I0866, I0878, I0905, I0955, I0997, II038, II073, III84, III90(o), II208, II274, II45I, II452, II455, II488, II537, II583, II67I-II673, II675, II683, II736, II739, II864, II866, II88I, II932, II933, II963, II965-II967, I2049, I2052, I2055, I2075, I2I55, I2I75, I2320, I2324, I2327, I233I, I2333, I234I, I2342, I2346, I2347, I2350, I2357, I2363, I24I4, I24I6, I2478, I2482, I2485, I2577, I258I, I2645, I2667(o), I2680, I2776, I2784, I2863, I2897, I2905, I2906, I3008, I30I2-I30I4, I3026, I3027, I3059, I306I, I3I27, I3I44, I3I59, I3I77, I3I78, I3I97-I3I99, I3202, I32II, I3245, I3246, I3249, I3266, I3274, I3287, I3373, I3488, I3497, I3499, I35I7(o), I3522, I3530, I3547, I3576, I3583, I3589, I3594-I3595, I3631(p), I364I, I3642, I3644, I3659, I3679, I3689, I3699, I3704, I3736, I3747
- var. boryanum 7348, 7350, 7353-7355, 8908-89I0, 9500, I0I33, I0283, III28, III85, II583, I2578, I2579, I27I0, I3270-I3272, I3290, I3294
- var. brevicorne A.Br. I27I0, I3520
- var. divergens Lemm. I2579, I327I, I3642, I3679
- var. forcipatum Racib. I0080
- var. granulatum (Kütz.) A.Br. 8266, I0080, II583, I27I0, I3679
- var. longicorne Reinsch 8520(o,p), I0080, I0I27, I0I33, I2579, I27I0, I3594-I3595, I3642, I3689
- - f. granulatum Racib. II533, II585
- var. muticum f. brevicorne Mor.-Vod. 8473
- var. perforatum Racib. I327I
- var. regulosum G.S.West I3642
braunii Wartm. 8038, I0033, I0035, I2667(o), I30II
clathratum (Schröt.) Lemm. 7297, 7806, 8038, 9568, I0080, I02I8, I0798, I27I0, I276I, I2762, I3373, I3590-I3592, I364I, I3642, I3679, I3689
- var. clathratum I2578, I2579
- var. duodenarium (Bail.) Lemm. I0080, I2579, I3526
- var. microporum Lemm. I0080
- var. punctatum Lemm. I3642
constrictum Hass. 9257
duplex Meyen 7082, 7I03-7I05, 72I5, 72I8, 72I9, 7249, 7250, 7294, 7296, 7297, 7303, 7344, 7348-7350, 7353-7355, 7399, 7465, 7467, 7469, 7470, 7507, 7593, 7620, 762I, 7626-7628, 7732, 7757, 7799, 7806, 7877, 7989, 7992-7994, 800I, 8023, 8038, 8097, 8098, 8I47, 8202, 82I6, 8266, 830I, 83I0, 8520(o,p), 8555, 8560, 8750, 8859, 8904, 8906, 8907, 89I4, 89I5, 8924, 8928, 8940, 8942, 9009, 90I2, 90I5, 90I9, 9024, 9053, 9I08, 9200, 9220, 9257, 9289, 9292, 9324, 9340, 9433-9436, 9438, 9439, 944I, 9490, 949I, 9499, 9568, 9580, 9643, 9648, 9649, 965I, 9666, 9687, 9698, 9699, 9748(p), 9749, 9752, 9755, 980I, 98I9, 988I, 9894, 9899, 9938, 9944, I0006, I0008, I0044, I0046, I0074, I0077, I0079, I0080, I0082,

I0085, I0107, I0113, I0130, I0133, I0151, I0189, I0194, I0218, I0220, I0241, I0245, I0246, I0283, I0286, I0362-I0365, I0463, I0512, I0513, I0548, I0644, I0646, I0657, I0706, I0798, I0800, I0822, I0866, I0869, I0870, I0878, I0905, I0956, I0975, I0997, I1038, I1073, I1076, I1198, I1223, I1274, I1488, I1537, I1549, I1583, I1671-I1673, I1675, I1690, I1730, I1736, I1864, I1866, I1881, I1932, I1933, I1935, I1965-I1967, I2020, I2052, I2055, I2122, I2124, I2155, I2175, I2323, I2324, I2327, I2331, I2336, I2341, I2346, I2350, I2357, I2414, I2416, I2451, I2478, I2482, I2485, I2504, I2505, I2576, I2577, I2580, I2581, I2761, I2762, I2863, I2870, I2892, I2897, I2906, I2927, I2993, I3012, I3014, I3026, I3027, I3059, I3061, I3120, I3127, I3144, I3148, I3159, I3177, I3178, I3197-I3199, I3200, I3245, I3246, I3249, I3266, I3274, I3279, I3287, I3294, I3343, I3373, I3391, I3488, I3504, I3511, I3514, I3515, I3522, I3528, I3530, I3576, I3583, I3589, I3590-I3592, I3594-I3595, I3631(p), I3641, I3642, I3653, I3699, I3704, I3731, I3736, I3746

- var. clathratum (A.Br.) Lagerh. 9298, I0080, I2333, I3057, I3642, I3679
- f. cohaerens Bohl. I3642
- var. cornutum Racib. 7215, 7620, 8038, 8301, 9289, 9694, 9932, I0080, I0548, I0706, I0955, I1128, I1129, I1184, I1186, I1190(o), I1583, I1736, I1866, I2175, I2579, I2657(o), I3158, I3245, I3246, I3249, I3517(o), I3713
- var. divergens Kammerer I2347
- var. duplex 7462, 8700, 8908, 8909, 9298, 9932, I0280, I1128, I1451, I1455, I2578, I2579, I3270-I3272, I3290
- f. duplex 9133, I0132, I0133
- var. genuinum Racib. 9018(o), 9932, 9959, I2579
- - f. convergens Racib. I0080, I3514, I3642
- - f. gracile A.Br. I0080, I3642
- var. gracillimum W. et G.S.West 9451
- var, lividum Racib. I0080, I2657(o)
- var. reticulatum Lagerh. 7702, 8700, 9018(o), 9298, 9932, I0080, I1451, I1455, I1583, I1585, I2333, I2336, I3127, I3594-I3595, I3642, I3689, I3713, I3736
- var. rugulosum Racib. I0080
- var. setigerum Korsch. 7219, 9932
- f. setigerum Korsch. 8038, 9019, 9289, 9944, I0130, I0132, I0133, I0280, I1881, I3245, I3246, I3249
- var. subgranulatum Racib. I0080
- var. subintegrum Racib. I0080

glanduliferum Bennett I0798

granulatum Kütz. 7052, I2485

- var. granulatum I1128

hexapodum Gorjatschev 8520

integrum Näg. 9490, I0149, I2710

kawraiskyi Schmidle 7507, 8038, 8202, 8301, 8346, 8517, 9133, 9134, 9289, 9568, I0080, I0131, I0133, I0218, I0220, I1128, I1129, I1672, I1673, I1675, I1683, I1866, I2333, I2575, I2579, I2710, I3059, I3061, I3211, I3589, I3592, I3631, I3642, I3689

- var. brevicorne Lemm. I0080

krasskei Hust. I0902

muticum Kütz. 9490, I0149, I2710

- var. longicorne Racib. I0080

ovatum A.Br. 9490, I3530

polydens Mor.-Vod. 8517

praecox Mor.-Vod. I3014

selenaea (Kütz.) Kütz. 8266

simplex (Meyen) Lemm. 7215, 7218, 7219, 7348, 7350, 7353-7355, 7507, 7620, 7877, 8038, 8097, 8098, 8520(o,p), 8718, 9289, 9292, 9433-9434, 9491, 9499, 9648, 9649, 9651, 9652, 9801, 9944, I0008, I0080, I0082, I0131, I0133, I0220, I0646, I0655, I0798, I0955, I1128, I1537, I1585, I1866, I1933, I1935, I1967, I2710, I3056, I3211, I3246, I3247, I3249, I3250, I3271, I3277, I3279, I3287, I3294, I3499, I3504, I3506, I3511, I3515, I3517(o), I3520, I3528, I3530, I3631(p), I3679

- var. duodenarium (Bail.) Rabenh. 9451
- var. radians Lemm. I0080

spinulosum 7702

sturmii Reinsch I2761, I2762, I3526

tetras (Ehr.) Ralfs 7185, 7250, 7294, 7303, 7465, 7469, 7507, 7626-7628, 7702, 7764, 7988, 8001, 8038, 8098, 8202, 8301, 8520(o), 8555, 8904, 8912, 8914, 8924, 9010, 9018(o), 9024, 9053, 9220, 9242, 9252, 9289, 9298, 9446, 9448, 9498(o), 9499, 9501, 9503, 9649, 9694, 9748(o), 9751, 9755, 9801, 9932, 9944, I0042, I0046, I0077, I0079, I0080, I0082, I0113, I0132, I0133, I0149, I0151, I0153, I0241, I0245, I0246, I0280, I0363, I0548, I0644, I0706, I0798, I0866, I0869, I0870, I0878, I0975, I1451, I1488, I1537, I1583-I1585, I1672, I1673, I1730, I1736, I1866, I1881, I2049, I2052, I2122, I2175, I2320, I2324, I2327, I2331, I2336, I2478, I2482, I3011-I3014, I3026, I3027, I3056, I3199, I3202, I3245, I3246, I3249, I3287, I3373, I3499, I3517(o), I3520, I3583, I3589-I3592, I3594-I3595, I3641, I3642, I3689, I3736, I3747

- var. excisum Rabenh. I0080
- var. tetraodon (Corda) Rabenh. 8001, 8038, 8700, 8859, 8904, 9012, 9014, 9220, 9289, 9801, I0130, I0132, I0133, I0149, I0218, I0220, I0280, I1184, I1186, I1190(o), I1585, I1736, I1866, I2416, I2579, I2680, I3012-I3014, I3178, I3246, I3249, I3271, I3272, I3274, I3294, I3747
- var. tetras 7462, 8700, 9500, I0008, I0132, I0133, I0218, I0220, I1675, I2579, I3271, I3272, I3274, I3294
- f. tetras 9133

tricornutum Borge I1128

Pedinella Wyss.

tricostata Rouch. I2002(o,p), I2014

Pedinomonas Korsch.

sp. sp. I1739

major Korsch. I3009, I3010

minor Korsch. I2122

tenuis Massjuk I0634(o,p)

Pedinopera Pasch.

robusta Matv. I2776, I2784

Pelvetia Decne et Thur.
sp. sp. 8063, 9I56, II20I, II385, II432, I3633
babingtonii (Harv.) De Toni 9I24
canaliculata (L.) Decne et Thur. 7449, 7608, 76II, 76I5, 8275, 8550, 9I24, 9406, 9734, I0058, I2980
galapagensis (Picc. et Grun.) De Toni 9I24
wrightii (Harv.) Okam. 7636, 805I, 8052, 8054, 8056, 8058, 8072, 859I, 9I24, II200, II384, I2064, I2604, I2607, I2664, I3029, I3720
- f. babingtonii Yendo 8072, 9I24
Penium Bréb. ex Ralfs
sp. sp. 7506, 830I, 8308, I0I58, IIII7, I2I75(o,p), I2667
australe Racib. I095I
cruciferum (De Bary) Wittr. 8038
curtum f. majus Wille III90(o)
cylindrus (Ehr.) Bréb. 9446, I0I60
exiguum var. capitatum (Roll) Kossinsk. I0I60
exiguum West var. exiguum f. exiguum I0I60
- var. glaberrimum Grönbl. III83
- f. majus W. et G.S.West I0I60
libellula (Focke) Nordst. 8038
margaritaceum (Ehr.) Bréb. 8038, 90I8(o), 9024, I0I53, I0I60, I02I8, I0220, I0644, III90(o), II866, I2I22, I2680, I3526
minutissimum Nordst. 8825
minutum var. crassum West IIII7
phymatosporum Nordst. I0I60
polymorphum Perty 9446, I0I60
rufescens f. achroum Messik. I2667(o)
silvae-nigrae Raban. 9446
- var. parallelum Krieg. I0I60
- var. silvae-nigrae I0I60
spirostriolatum Barker 9478, I2049, I2667(o,p)
- f. amplificatum (M.Schm.) Kossinsk. I0I60
- var. minus Raban. 9446
- f. spirostriolatum I0I60
Pentadinium Gerl.
laticinctum Gerl. 8048-8049(o,p)
Pentagonum Vozzhen.
sibiricum Vozzhen. 8048-8049(o), II463
Pentalithus
macropetalinus Gorgul. 8472
vesper Defl. I3298(p), I3300(p)
Peponia Grev.
barbadensis Grev. 8365, 8368(o,p), 8370(p)
Peranema Duj.
sp. sp. II670
deflexum Skuja 7330(p)
macromastix Conr. 7306, 7309-73II, 73I5(o,p), 73I6, 73I7, 7325, 7330
ovale Lack. 7325
trichophorum (Ehr.) Stein 73I4, 73I5(o,p), 73I6, 73I7, 7330, 773I, 8266, I2I75
Percursaria Bory
percursa (Ag.) Bory 7947, 7948, 9026, 9406

Peridinites Lef.
sp. sp. 8365
barbadensis Lef. 8048-8049(o)
rossicus Defl. 8370
Peridinium Ehr.
sp. sp. 706I, 7062, 7082, 72I5, 7227, 7243, 7246, 7249, 7252, 7294-7297, 735I, 7469, 7509, 75I2, 7627, 7680, 7799, 7805, 8202, 8228, 83I0, 87I8, 8760, 88I3, 8865, 8877, 8904, 8905, 8907-89I0, 90I8, 90I9, 902I, 9054, 9I34, 9I35, 9I40-9I42, 92I4, 922I, 9289, 9337, 9433-9434, 9492, 9500, 9580, 967I, 9677, 9686, 9749(p), 9787, 980I, 9902, 9944, 9959, 9965, I0008, I0039, I0041, I0042, I0044, I0046, I0048, I0I33, I0I89, I0I90, I022I, I0245, I0280, I0324, I0362-I0364, I0469, I0475, I0646, I0744, I0756, I0757, I082I, I0869, I0870, I0875, I0878, I0886-I0888, II077, III28, III34, III54, III84, III86, II40I, II403, II463(p), II488, II583, II672, II673, II724, II730, II739, II834, II866, II88I, II930, II994, II997, I2078, I2080, I2095, I2I52, I2I53, I2I75, I2223, I2236, I2347, I2359, I24I6, I2477, I2577, I2597, I2667, I2669, I2863, I29I0, I30I0, I306I, I3II7, I3I27, I3I48, I3I99, I3202, I32I7, I3245, I3246, I3249, I3272, I3388, I3537, I3583, I3627, I3628, I363I, I3689, I3699, I3736
abei Pauls. 7063
achromaticum Lev. 7353, 9I24, 9220, 9649, 965I, I0548, II537, II545, I27I0, I289I, I2892
aciculiferum Lemm. 8308, 8700, 87I9, 92I5, 9220, 9223, 9448, 9882, II45I, II452, II455, II866
- var. inerme Wołosz. 9674
- f. inerme Wołosz. 7243, 7246, 87I5, 87I9
acuminatum Ehr. 8266
africanum Lemm. 8700, I0956
baikalense I.Kiss. et Zwetkow 7246, 8202, 9670(o,p), 9674, 9687, II673, II675, II680
balticum (Lev.) Lemm. I27I0
bimucronatum Schill. 7956
bipes Stein 8038, 830I, 87I9, 8940, 9242, 9292, 9568, 980I, I0I77, I0403, I0405, I0407, I0646, II537, II866, II933, I2482, I2707, I3027, I35I7(o), I3527, I3535, I363I
- var. tabulatum (Ehr.) Lef. 9242, III84, II866
- f. tabulatum (Ehr.) Lef. 9220, 980I, I3527, I3594, I364I, I3642
- tal. travectum f. tabulatum (Ehr.) Lef. I35I7
bispinum Schill. I2I53
brachipus Schill. I2223
breve Pauls. 9I24, I00I7(o), I089I, I2I53, I27I0, I2892
brevipes Pauls. 7353, 82II, 9220, 9598, 96I9, 9785, I00I3, I00I7(o), I0886, I0888, I089I, I0892, II997, I2004, I2I53, I2892
brochii Kof. et Sw. 7956, 9220, II537, I2I53
- f. inflatum Okam. I2223
bulla Meunier I2004
cerasus Pauls. I0888, I089I, I2I53
cinctum (O.F.Müll.) Ehr. 7344, 7467, 7805, 7992, 8038, 83I0,

837I, 8473, 8700, 8725, 92I4, 9220, 9242, 9292, 9298, 9438, 9643, 9648, 965I, 9667, 9687, 9749(o,p), 980I, 9944, I0077, I0080, I0II3, I0II4, I0I73, I0I76, I0I77, I02I8, I0220, I0280, I0548, I0549, I0646, I0673, I0690, I082I, II45I, II455, II537, II866, II88I, II930-II932, II935, I2049, I2347, I2478, I2482, I2577, I2579, I2580, I30I2-I30I4, I3027, I327I, I3273, I3293, I3504, I35I5, I3526, I3583, I363I
claudicans Paulsen 9220, 9223
complanatum Meunier I2892
conicoides Paulsen 82II, 9220, I00I7(o), I0886, I0888, I2004, I2892
conicum (Gran) Ostf. et J.Schm. 706I, 7063, 9I24, 92I5, 9220, I00I3, I00I7(o), II537, I2004, I2I52, I2892
- f. concavum Matz. 92I5, 9220
crassipes Kof. 706I, 7063, 92I5, 9220, 9232, I0673, I0888, II537, I2004, I2I53, I289I, I2892
cunningtonii (Lemm.) Lemm. I3583, I3736
curvipes Ostf. 7063, 7956, I00I7(o), I2I53, I2892
decipiens Jörg. 9220, II537
dentatum 7954
depressum Bail. 706I, 7063, 7952, 7954, 82II, 9I24, 9220, 922I, 9598, I00I4, I00I7(o), I0673, I0765, I0886, I0888-I0892, II537, II997, II998, I2000, I2007, I20I9, I2I53, I22I6, I2444, I2598, I2669, I2892, I3629
diabolus Cl. 706I, 9220, I2597
divergens Ehr. 706I, 7950, 8763, 9220, I0673, I0888, I0892, II537, I2079, I2I53, I2223, I2597, I2892, I3249
elegans Cl. 9I38, 9220, 922I, 9965, I2I53, I2223, I2597
elongatum Meunier 7954, I2892
elpatiewskyi (Ostf.) Schill. 8292
excentricum Paulsen 9I24, 9220
furca (Ehr.) Jörg. 9598
globosum Dang. 7956, I20I9
globulus Stein 7063, 7956, 8763, 92I5, 9220, 9598, I0888, I089I, II537, II994, I20I9, I2I53, I2223, I2597, I2892
- var. globulus I2004
- var. ovatum (Pouch.) Schill. 92I5, 9220, 96I9, II537, II997, I2004, I2I53, I2597, I2892, I3248-I3250
- f. ovatum (Pouch.) Schill. 7952
- var. quarnerense Schröd. 82II, 9220, I0890, I0892, II537, I2I53, I2892
goslawiense Wołosz. I0360, I35I5
gracile Gran et Braar. I00I7(o,p), I2892
grande Kof. 7063, I2223, I2597
granii Ostf. 7063, 7952, 7954, 82II, 9I24, 92I4, 9220, 9568, I0673, I0888, I089I, II537, I2004, I2I53, I27I0, I2892
heterocanthum Dang. 9598
hirobis Abé I2004
inconspicuum Lemm. 7248, 8038, 87I5, 87I9, 9220, 92I5, 9227, 9649, 980I, II866, I3246, I35I7(o), I3526, I3530, I3535
intermedium R.Thompson 9499, II930
islandicum Paulsen II997, I2004, I289I, I2892
knipowitschii Uesatsch. 9I24, 9220, 9223, 9232, I0673, II537, I3750

latum Paulsen 7I03, 7467, 8038, 9220, 9242, I0280, II930-II933, II935
- var. halophilum (Lind.) I.Kiss. 87I9, 9220
leonis Pav. 7063, 922I, I2892
- var. concavilaterale I.Kiss. 92I5, 9220, 9223
lomnickii Wołosz. 800I, I35I7(o)
longispinum Kof. 92I5, 9220
marchicum Lemm. II223, II864
minusculum Pav. 9220, 9223, 96I9, I089I, II537, II994, I2004, I2I53, I289I, I2892
minutum Kof. 7956, 9220
monocanthum Broch I2892
oceanicum Vanhöffen 7063, 9220, I0886, I0888, I089I, II537, I2I53
orbiculare Paulsen 800I, 8556, 9220, I0276, I0279, I0280, II537, I3576
- var. temaris Abé 7954, II537
ovatum (Pouch.) Schütt 7952, 7954, 9I24, 9976, I00I7(o), I2444
ovum Schill. I2223, I2597
palatinum Laut. 7805, 980I, I0866, II866, I3352, I3526
- f. anglicum (G.S.West) Lef. 980I
pallidum Ostf. 706I, 82II, 9I24, 9220, I00I7(o), II997, I2004, I2I53, I2892
palustre (Lind.) Lef. II866, I2550
pedunculatum Schütt 92I5, 9220, I0673, II537, I2223, I2597
pellucidum (Bergh) Schütt 7954, 7956, 82II, 9I24, 9220, 9568, 9747, I00I3, I00I4, I00I7(o), I0886, I0888, I089I, II087, II093, II537, II993, II994, II997, I2004, I2I53, I2597, I27I0, I289I, I2892, I2955, I2956, I2962, I3645
pentagonum Gran 82II, 92I5, 9220, 9598, II537, I2892
pusillum (Penard) Lemm. 7956, 8556, 8890, 9227, I0220, II866, I35I7(o), I3530
pyriforme Paulsen 9220, I00I7(o), I2892
pyrophorum Ehr. 8048-8049(o,p)
quadridens Stein I3736
quadrisetum 7I05
roseum Paulsen I0886-I0888, I2I53, I2892
sinaicum Matz. I2597
solidicorne Mangin 9220, II537
sphaericum Okam. I0888, I2892
spiniferum Schill. 9220, II537
steinii Jörg. 8763, 9220, 9223, I0846, II40I, II403, I2I53, I2223, I2444, I2892
- var. mediterraneum Kof. I2I53
subinerme Paulsen 7954, 7956, 9220, I00I7(o), I2004, I2892
subsalsum Ostf. 87I9, 9I24, 9649, 965I
tabulatum (Ehr.) Clap. et Lachm. 7469, 8473, I0080, I2358, I3208
tenuissimum Kof. I2223
thorianum Paulsen 7952, 7954, 82II, 9I24, I00I7(o), I0886, I0888, I2892
triquetrum (Ehr.) Lebour 9I24, 92I4, 92I5, 9220, 9793, I0205, I0206, II994, I2892
trochoideum (Stein) Lemm. 7353-7355, 75I7, 7956, 8762, 8763, 92I5, 9220, 9227, 9242, 96I9, 9785, 9787, 979I, I0205, I0206, I0209, I0280, I08I4, I08I9, I0877, I094I, II537,

II545, II605-II606, II621, II622, II779, II994, II997, I2019, I2153, I2892, I3576
tuba Schill. 7956, I2223
turgidum var. karianum
umbonatum Stein 9242, 9801, I0955, III90(o), I2122, I2124
ventrale Abé 7952, I0888, I2004, I2153
verrucosum Meunier 7952, 7954
volzii Lemm. 9749(o,p), I3736
wierzejskii Woloszyńska I0173, I0175, I0177
willei Huitf.-Kaas 8301, 8306, 8308, 8310, 9220, I0131
Perimneste Harris
sp. sp. I0168, I0924
corrugata Peck I0585(p)
jiuquanensis Wang I0168(o,p)
Periphyllophora Kampt.
mirabilis (Schill.) Kampt. 8762, 8763
Periptera Ehr.
tetracladia Ehr. 8370
Permocalculus Elliott
sp. sp. 8681
armenianus Korde 9826(o,p), 9827, 9828, 9831
forcipinus J.H.Johns. 9827, 9828, 9831
fragilis Pia 9827, 9828, 9831, I3236
multiformis Korde 9826(o,p), 9827, 9828, 9831
piai Rao et Varma 9827, 9828, 9831
plumosus Elliott 9827, 9828, 9831
tenellus Pia 9827, 9828, 9831
Peronia Bréb. et Arn. ex Kitt.
sp. sp. I3249
heribaudii Brun et Perag. 7222
Peroniella Gobi
curviceps Pasch. I3010
minuta P.Rich I0220
Petalomonas Stein
alata Stokes 7317
angusta (Klebs) Lemm. 7308, 7311, 7315(o), 7317
applanata Skuja 7326
carinata Francé 8801
excavata Skuja 7325
inflexa Klebs 7317
mediocanellata Stein 7307, 7311, 7313, 7315(o,p), 7317
- var. disomata (Stokes) Lemm. 7332
mira var. bicarinata Skuja I0043(o,p), I0044
ovum Matv. 7317
praegnans Skuja 7306, 7309, 7311, 7315(o,p), 7317, 7326
pusilla Skuja 7311, 7315(o), 7317
sinica Skv. 8801
sulcata Stokes 7317
tricarinata Skuja 7311, 7315(o), 7317
Petalonia Derb. et Sol.
fascia (O.F.Müll.) Kuntze 7118, 7606, 7612, 7613, 7636, 8051, 8054, 8056, 8058, 8060, 8064, 8070, 8073, 8550, 9121, II378, II379, I2607, I2664, I3633
zosterifolia (Reinke) Kütz. 7612, 7613, 8054, 8060(o), 8064, 8065(o), 8070, 8073, I2607, I2664

Petrocelis J.Ag.
polygyna (Kjellm.) Schmitz 9175
Petroderma Kuck.
maculiforme (Wollny) Kuck. 8054, 9406
Petschoria Korde
sp. sp. 9389
elegans Korde 9823
Peyssonnelia Decne
sp. sp. II423
dubyi Crouan 8901, 9418, 9420, II409(o), II411, II412
pacifica Kjellm. 8054
rubra (Grev.) J.Ag. 9420, 9421
Phacotus Perty
sp. sp. 7082, 8939, 9752, I0046, I0194, II663(p), II792, I3074, I3272, I3647
coccifer Korsch 7561, 9010, 9340, 9801, I3271, I3273, I3274, I3279, I3287, I3294, I3586
lenticularis Ehr. 7103, 7215, 7226, 7227, 7628, 7993, 7994, 8001, 8038, 8554, 8556, 8904, 8907-8910, 9643, 9648, 9801, 9841, I0024, I0039-I0041, I0044, I0046, I0048, I0131, I0317, I0362, I0363, I0365, I0646, I0975, III90(o), II790, II859, II860, II866, II930, II931, II933, II935, II965-II967, I2451, I2863, I3026, I3117, I3127, I3129, I3148, I3246, I3249, I3271, I3272, I3274
Phacus Duj.
sp. sp. 7082, 7294, 7303, 7500, 7506, 7623, 7626, 7627, 8038, 8097, 8202, 8259, 8718, 8877, 8916, 8939, 8940, 9018, 9019, 9340, 9748, 9820, I0008, I0048, I0189, I0245, I0364, I0487, II077, II101, II673, II730, II739, II881, II931, I2095, I2175, I2236, I2327, I2344, I2416, I2667, I2710, I2932, I3009, I3010, I3213, I3271, I3274, I3499, I3519, I3524, I3695, I3699, I3736
abruptus Korsch. 7311, 8890, I0218, I0220
acuminatus Stokes 7227, 7306, 7308-7311, 7314, 7316, 7318, 7325, 7330, 7628, 8001, 8038, 8555, 9292, 9293, 9801, I0151, I0218, I0220, I0975, II670, II866, II932, II935, I2122, I2323, I2416, I2680, I3271, I3273, I3517(o)
- var. acuminatus I0866, I2480(o), I3271, I3274
- var. acuticauda (Roll) Pochm. 8001, 8038, 9801, II866, I2480(o), I3246, I3524
agilis Skuja 7311, 7313, 7316, 9801, II866
alatus Klebs 7310, 7314, 9242, 9801, I0046, II670, II866, I2122, I3499, I3517(o)
- var. lemmermannii Swir. 8038, 9801, I0046, I0218, I0220, II866, I2480(o), I3013, I3517, I3524
- var. maximus Hübner 8038
angulatus Pochm. 7311, 7313
angustus Drez. 7316
ankylonoton Pochm. 7309
anomalus Fritsch et F.Rich 9801, II866
- var. pulla-gallinae Nyg. I2180, I2943
arnoldii Swir. 9340, I2180, I3271, I3281, I3287
- var. arnoldii I3274
- var. ovatus Popova 9801, I2327, I3273, I3517(o)
brevicauda (Klebs) Lemm. I3736

brevicaudatus (Klebs) Lemm. 9801, I0218, I0220
caudatus Hübner 7303, 7306, 7309-7311, 7314, 7316, 7318, 7325, 7332, 7628, 8001, 8038, 8913, 8914, 9242, 9292, 9694, 9801, 9959, I0046, I1670, I1866, I2175, I2359, I2480(o), I2505, I2932, I2935, I3013, I3014, I3373, I3508, I3517(o)
- var. caudatus III84, I327I, I3272, I3274
- f. caudatus 9133
- var. minor Dreż. 7330, 8001, 9298, 9801, I0955, I1866, I2327, I2935, I327I, I3499, I3517
- var. tenuis Swir. 7306, 7316, 7318, 8038, 8916, 9694, 9801, I1670, I327I
- var. volicensis Dreż. I1670(o,p)
curvicauda Swir. 7306, 7309, 7311, 7316, 7318, 7325, 7330, 7332, 8001, 8038, 8555, 8776, 9340, 9694, 9801, I0046, I0975, I1223, I1866, I2122, I2480(o), I2482, I2938, I3013, I3245, I3246, I3249, I327I, I3274, I3281, I3287, I3294, I3517(o)
cylindraceus Popova 7306, 7310, 7311, 7313, I1866
dangardii Lemm. 7310, 8926, I1866
fominii Roll 7313, 7325, 7330
globosus Pochm. 7330(p)
granum Dreż. 7306, 7311, 7313
hamatus Pochm. 7313, 7316
hispidulus (Eichw.) Lemm. 7306, 9801, I1866, I2480(o)
inconspicuus Defl. 7307, 7311
indicus Skv. 7311, 7313
inflexus (I.Kiss.) Pochm. 7311, 7313
lismorensis Playf. 7307, 7310, 7325, I1670, I1866, I2175
longicauda (Ehr.) Duj. 7294, 7306, 7307, 7310, 7316, 7325, 7589, 7593, 7628, 7764, 8001, 8038, 8098, 8700, 8907, 9292, 9298, 9340, 9752, 9801, 9959, I0008, I0080, I0153, I0644, I0646, I0870, I0997, I1223, I1670, I1866, I1881, I1935, I1967, I2122, I2175, I2416, I2478, I2482, I2483, I2761, I2762, I2938, I3026, I3245, I3246, I3249, I3279, I3287, I3373, I3497, I3530, I3583, I3699, I3736
- f. attenuatus (Pochm.) Popova I3530
- f. cordatus (Pochm.) Popova 9748, I2122, I2480(o)
- var. longicauda I327I, I3274, I3294
- f. longicauda 8909, 9133, I2480(o)
- var. major Swir. I3011-I3014
- var. rotundus Popova 9801
- f. rotundus (Pochm.) Popova 9289
- var. tortus Lemm. 7306, 7310, 7327(o,p), 8038, 9340, 9801, I0646, I0866, I0975, I1223, I1866, I2175, I2480(o), I3246, I3249, I327I, I3274, I3281
- var. vix-tortus I.Kiss. 9801
- f. vix-tortus I.Kiss. 945I, I0046, I2480(o), I3274
megalopsis Pochm. 7309, 7311, 7327(o,p)
megapyrenoides Roll 8926, I2480(o), I3517(o)
mirabilis Pochm. 7311, 7313, 7325
monilatus Stokes 7306, 7308, 7310, I1866
- var. monilatus I2480(o)
- var. suecicus Lemm. I0046, I0866, I1670, I2478, I2480(o), I3246
myersi Skv. 7311, 7313
nannos Pochm. 7308, 7311

onyx Pochm. 7307, 7309, 7311, 7313
orbicularis Hübner 7306, 7309, 7310, 7314, 7316, 7318, 7325, 7327(o,p), 7330, 7332, 7628, 8001, 8038, 9009, 9292, 9340, 9648, 9801, I0644, I0646, I1670, I1866, I1881, I1932, I2175, I2327, I2416, I3011, I3272, I3287, I3352, I3526, I3583
- var. cingeri(Roll) Swir. 8001, 9451, 9694, I0646, I3274
- var. communis Popova 9749(o,p), 9801, I0218, I0220, I1866, I2327
- f. communis Popova 7310, 7318, 7330, 7992, 8001, 8907, 8909, 8910, 9451, 9581, 9748(p), I1670, I2480(o), I3517(o)
- var. gigas (da Cunda) Popova 9801, I327I
- f. gigas (da Cunda) Popova 9749(o)
- var. orbicularis I327I, I3274
- f. orbicularis I2480(o)
oscillans Klebs 7306, 7307, 7310, 7311, 7316, 7318, 7325, 7332, 7628, 9801, I0646, I1670, I1866
parvulus Klebs 7183, 7306, 7316, 7325, 7332, 8001, 8914, 8916, 9801, I0046, I1670, I1859, I1866, I2932, I2934-I2936, I2938
pleuronectes (Ehr.) Duj. 7183, 7227, 7306, 7310, 7311, 7313, 7316, 7317, 7325, 7330, 7469, 7589, 7628, 7731, 7757, 7764, 8001, 8038, 8098, 8555, 8778(o), 8924, 9024, 9242, 9298, 9340, 9446, 9694, 9749(o,p), 9801, 9911, 9912, I0046, I0077, I0079, I0080, I0082, I0085, I0133, I0644, I0646, I0975, I1670, I1859, I1866, I1932, I1935, I2121, I2122, I2124, I2175, I2248, I2323, I2324, I2327, I2331, I2336, I2347, I2449, I2478, I2483, I2932, I2935, I3011, I3013, I3014, I3202, I3249, I3281, I3287, I3499, I3517(o), I3530, I3736
- var. citriformis Dreż. 8778(o)
- var. hamellii (All. et Lef.) Popova 7330, 9451, I1670(o,p)
- var. hyalinus Klebs 7330, I0046, I2776, I2784
- var. pleuronectes 9298, I2480(o), I327I, I3274
- f. pleuronectes 9133
- var. prunoides (Roll) Popova 8001, 9694, 9748(o), I0046, III90(o), I2480(o), I3274, I3352, I3517
polytrophos Pochm. 7307, 7313
pyrum (Ehr.) Stein 7589, I1537, I2049, I2483, I3736
quadricauda L. III98
rudicula (Playl.) Pochm. 7311, 7313, 7325, 7332
skujae Skv. 7306, 7308, 7310, 7311, 7332, I327I, I3287
snitkovii Roll. 7325
stokesii Lemm. 7313, 7330
striatus Francé 7306, 7307, 7309-7311, 7313, 7318, 7327, 9801, I0046, I1670, I1866, I3517
swirenkoi Skv. 7306, 7330, 8001, 9749(o), I2327, I327I, I3499, I3517(o)
triquetrus (Ehr.) Duj. 9801, I1670, I3009, I3010, I3699
undulatus (Skv.) Pochm. 7311
unguis Pochm. 7308, 7311
Phaeococcus W. et G.S.West
sp. sp. I1537
Phaeocystis Lagerh.
sp. sp. 9124, 9624, I3627
amoeboidea Buttner 9508
antarctica Karst. 9508
brucei Mangin 9508

giraudyi (Derb. et Sol.) Lagerh. 9508
globosa Scherf. 9508, II537
pouchetii (Hariot) Lagerh. 7950-7955, 7957, 8387, 8598, 9508-9510, I0765, II351, II994-II998, I200I, I2004, I2006, I2007, I2444, I2892, I3388, I3628, I3629
sphaeroides Buttner 9508
Phaeodactylon Bohl.
tricornutum Bohl. 7415, I0710, I07II
Phaeoglossum Skotts.
sp. sp. 7064
Phaeophila Hauck
dendroides (Crouan) Batt. 8054, 890I, 9420
engleri Reinke I3645
Phaeostroma Kuck.
bertholdii Kuck. 9030(o), 9033(o,p), 9I70(o)
pustulosum Kuck. II377(o,p), II378, I3645
Phaeostrophion Setch. et Gardn.
sp. sp. 8054
Phaeothamnion Lagerh.
sp. sp. 9I04
confervicola Lagerh. 9749(o)
Phaeurus Skotts.
sp. sp. 7064

Phalacroma Stein
sp. sp. 706I, 9I40, 922I, I0475, I0886, I2I53, I2223, I2597
acutum (Schütt) Pav. 706I, 9220, I2I53, I2223
argus Stein I2223, I2597
circumsutum Karst. I2223
cuneus Schütt 706I, I2I53, I2223
doryphorum Stein I2223, I2597
hidmarchii Mur. et Whitt. I2223
irregulare Lebour I2004
lativelatum Kof. et Skogsb. I2223
minutum Cl. 9220
mitra Schütt I2223
operculatum Stein 706I, I2223
operculoides Schütt 7956
ovatum (Clap. et Lachm.) Jörg. 9220
ovum Schütt I2223, I2597
parvulum (Schütt) Jörg. 7956
pulchellum Lebour 9220, II537, I2I53
rapa Stein I00I7(o,p), I2223
rotundatum (Clap. et Lachm.) Kof. et Mich. 7950, 7952, 7954, 7956, 82II, 8763, 9220, 9232, 9783, I00I7(o,p), I0888, I0892, II40I, II403, II537, II993, II994, II997, I2004, I2I53, I2223, I27I0, I2892
rudgei Mur. et Whitt. 9220, II537
sphaeroideum Schill. 7956, 8763, 9220, I2I53
Phanerodinium Defl.
cayeuxii Defl. 8048-8049(o,p)
Phloeospora Aresch.
brachiata (Harv.) Born. 7435
tortilis (Rupr.) Aresch. 9I24

Phormidium Kütz.
sp. sp. 7050, 7I8I, 7I85, 7222, 7358, 7375, 7378, 7383, 7438(p), 7588, 760I, 7676, 8038, 8266, 8294, 8309, 8505, 8569, 8603, 8660, 8725, 8776, 8806, 89I6, 8920, 9042, 9I49, 9203, 9289, 9292, 9490, 9647, 9649, 9654, 9657, 9732, 98I2, 9944, 9959, I0008, I0I73, I0220, I0280, I0646, I0729, I0849, I0852-I0854, I0876, I0878, I09I9, I0920, I0925, I0968, II094, III35, III39, II264, II265, II448, II479, II579, II720, II730, II757, II886, II889, II930, II93I, I209I, I2092, I228I, I2346, I2369, I2575, I2577, I2579, I2646, I2647, I2689, I2809, I28I7, I29I2, I2939, I2940, I2950, I3008, I32I8, I32I9, I3269, I3398, I34I2, I3435, I3453, I3455, I3459, I3507, I3508, I35I4, I35I5, I3520, I3525, I3533, I3544, I3598, I3666, I3736, I3750
ambiguum Gom. 7I50, 7225, 7373, 7676, 7983, 7984, 7992, 8000, 800I, 8035, 8778(o), 8975, 9242, 9289, 96I7, 9666, 9668, 9694, 980I, I0026, I0I26, I0I27, I0I29, I0I48, I0I5I, I0548, I0644, I0646, I07I5, I0956, IIII7, II720, II753, II755, II756, II866, I209I, I2092, I2I95, I27I0, I2809, I28I0, I3499, I35II, I35I4, I35I7(o), I35I8, I35I9, I3562, I3666
- f. ambiguum I0247, IIII84
- f. majus (Lemm.) Elenk. 8778(o), I0026, I28I0
- f. novae-semliae (Schirsch.) Elenk. I0I26, IIII2, IIII3
angustissimum W. et G.S.West 7225, 9694, I07I5, II264, I3522
autumnale (Ag.) Gom. 7I86, 7225, 7373, 7377, 7575, 7599, 7644, 7676-7678, 7749-7755, 7867, 800I, 8038, 8257, 8266, 8570, 8777, 8825, 8859, 89I3, 9242, 9668, 977I, 98I3-98I5, I0026, I0066, I0068, I0069, I0I26, I0I27, I04I9, I0658, I07I5, I0968, IIII2, IIII3, IIII7, III35, III38, II386-II390, II392, II480, II483, II484, II753, II755, II757, II866, II897, I2090, I2092-I2094, I2I95, I2282, I2285, I2288, I229I, I2292, I2297, I2302, I2308, I2449, I2574, I2645, I2650, I2652, I2653, I2656, I2776, I2784, I2809-I28II, I28I3, I28I9, I2876, I3428, I3439, I3453, I35II, I3522
- f. uncinatum (Ag.) Kondrat. II753, II756
bijugatum Kongiss. 7I00, 7575, 7644, 8I06, 89I6, 89I7, 98I3-98I5, IIIB4, II702, II705, II706, II484, II703, I2282, I2285, I2288, I2290-I2292, I2297, I2302, I2308, I2309
bohneri Schmidle 7225, 7676, 7749, 7754, 7802, 9694, I0I26, II7I9, II720, I2I95, I3439, I3482, I35II, I35I4, I3666
boryanum Kütz. 9652, 9668, I07I5, I2934, I35II, I35I7(o), I3522
- f. flexuosum (Kütz.) Rabenh. I35I9
caudatum Hübner 7326
cebennense Gom. 8570, I0963
cincinnatum Itz. 7986, 7992, 800I, I0026, I3352, I3526
corium (Ag.) Gom. 7225, 7676, 7678, 7750, 7753, 7754, 800I, 80I6, 9666, I0026, I0646, I07I4, I07I5, I0956, I0968, IIII7, III35, III37, II264, II753, II755, II757, I2092, I2094, I2I95, I248I(o), I2522, I2809, I3439, I3453, I35II, I35I2, I35I4, I35I7(o), I3524, I3527-I3530, I3533
crouanii Gom. 9260, 926I, 9263, IIII7, I35I4, I35I7(o), I3526, I3666
crustaceum Woronich. I265I(o)
curtum Hollerb. 8700, I3009, I30I0
curvicauda Swir. 7326

dimorphum Lemm. 7676, 7678, I07I5, I2092, I2I95, I2449, I2809
dissectum 7754
ectocarpii Gom. 8000, 8652, II425(o,p)
favosum (Bory) Gom. 7I82, 7I85, 7I86, 7373, 7750, 800I, 8038, 9664, I0026, I0I26, I0I27, I0956, II866, I2090, I2092, I2094, I234I, I2522, I2645, I2650, I2652, I2656, I2809, I3I78, I35II, I35I4, I3522, I3528, I3529, I356I, I3562, I3564, I3565
fonticola Kütz. I2I95
foveolarum (Mont.) Gom. 7225, 7373, 7376, 7377, 7599, 7676-7678, 7749-7755, 7983, 800I, 8725, 8777, 8778(o), 8960, 96I7, 9666, 9668, 980I, I0026, I0028(o), I0069, I0080, I0I27, I07I5, I09I9, I0955, I0963, I0965, I0967, I0968, I0970, II076, IIII2, IIII3, IIII7, III35, III37, III38, II264, II392, II483, II7I9, II753, II755-II757, II866, II878, I2090, I2092, I2095, I2I94, I2I95, I2393, I2670, I267I, I2776, I2784, I2800, I2809-I28II, I28I5, I28I9, I2875-I2878, I3439, I3452, I3453, I35I4, I35I8-I3520, I3522, I3529, I3666
fragile (Menegh.) Gom. 7048, 7225, 7373, 7376, 7387, 7749, 7752-7755, 7983, 8035, 8778(o), 9242, I07I5, I0964, I0965, I0970, II264, II442, I2090, I2I95, I2574, I2809, I28II, I28I9, I2878, I3453, I3522
frigidum Fritsch. 7049, 7754, 7983, 8000, 8307, 8634, 8700, 8778(o), 958I, I07I5, I0963, IIII7, I28I0, I2877, I30I0, I35I7
gardneri (Gardn.) Muzaf. I35I8
gelatinosum Woronich. 8777, I0028(o), I07I5, II720, I2800, I3666
henningsii Lemm. 7225, 7749, 7753, II32I, II324, I2I95
incrustatum (Näg.) Gom. 7373, I0026, I0I5I, I0956, I0968, I2094, I35I4
interruptum Kütz. 7373, 9652, I0970, I0975, II720, I2094, I2I95, I35I4, I35I8, I3522, I3529, I3530, I3666
- f. interruptum I265I(o)
inundatum Kütz. 7225, 7373, 7676, 7750, 7867, 8570, 96I7, I07I5, IIII7, II264, II386-II390, II720, I2I95, I2809, I28I0, I3453, I3666
jadinianum Gom. 7225, 7373, 7377, 7676, 7750, 7752-7755, 8778(o), I07I5, II720, II757, I2I95, I2449, I2809, I3442, I3453, I35I8
jenkelianum Schmid IIII2, IIII3
jenningsii Lemm. I2809
laminosum (Ag.) Gom. 96I7, I0028(o), I0644, I07I5, I0973, IIII7, II757, I2I95, I2800, I2809, I28II, I3439, I3453, I35I9, I3522
- f. weedii Tild. 7373, 7376, 7599, 7750, 7754, I07I5, I3522
lividum Näg. I0066, I07I5, II720, I3453, I3666
lucidum (Ag.) Kütz. I07I5
- f. tenuior Melnik. I07I5, I35I8
luridum (Kütz.) Gom. 8778(o)
molle (Kütz.) Gom. 7048, 7222, 7225, 7373, 7376, 7599, 7749, 7752, 7754, 7755, 8038, 8725, 9292, 9666, 9749(o), I0026, I0028(o), I0242, I0243, I07I5, I0798, I0956, I0967, I0968, IIII7, II264, II480, II720, II866, II878, II897, I2093, I2I95, I248I(o), I2638, I28II, I2877, I2932-I2934, I3453, I35II, I35I4, I35I7(o), I35I9, I3524, I3533, I3642, I3666

- f. molle I0008
- f. tenue (Woronich.) Elenk. 7749, I0I26, I0I27, I0I29, II483, I35I4, I35I7, I35I9
- f. tenuius W. et G.S.West 8778(o), 9666, I0968, I2809
mucicola Huber-Pest. et Naum. 7507, 800I, 8038, 8555, 87I8, 9448, 9568, 9580, 9583, 980I, 9932, I0026, I0I32, I0I33, I0220, I0365, I0366, I0956, II753, II865, II866, I2323, I28I0, I2927, I3I27, I3246, I3249, I3373, I35I8, I3642, I37I3
- f. elongatum Muzaf. I35I8
- f. mucicola I0008
naveanum Grun. I3526
orbiculare Hübner 7326
orientale G.S.West 7I50, 8777. I0028(o)
papillaterminatum I.Kiss. 872?, 9242, 9438, 9649, 9652, 9748(o), I2I22, I3505, I35I4, I35I7(o), I35I8, I35I9, I3523, I3529, I353I
papyraceum (Ag.) Gom. 8000, 80I6, 8035, 8777, 9024, 9668, I0I26, I0I48, I0I49, I0I54, I07I5, I0855, I09I9, I0956, I0973, IIII7, II264, II720, II756, II757, I2092, I2093, I2I92, I2I94, I2I95, I2875, I2877, I35II, I35I4, I35I7(o), I3522, I3524, I3529, I3666
paulsenianum Boye-Pet. 739I, 8035, I07I5, I0968, I2809-I28II, I28I3, I28I5, I35I4
- f. takyricum Novitsch. 9765(p), II753, II755-II757
pavlovskoënse Elenk. I0968, I2I95, I2522
purpurascens (Kütz.) Gom. I0I26, I0956, I0973, I35I7(o), I3522
ramosum Boye-Pet. I07I5, I0968, I3522
retzii (Ag.) Gom. 800I, 9087, 96I7, 9749(o), 975I, I0026, I0956, III86, II720, II866, I209I, I2094, I2I95, I2420, I2637, I3453, I3499, I35I4, I35I7, I35I9, I3524
- f. retzii I2420
rotheanum Itz. 96I7
setchellianum Gom. I0026, I35I4, I3526
solitare (Kütz.) Rabenh. 7I50, I3522
subcapitatum Boye-Pet. I35I0
subfuscum (Ag.) Kütz. 7983, 8266, 9666, 9668, I07I5, I0956, I0968, III90(o), I2090-I2092, I2094, I2809, I35I4, I3699
- f. inaequale (Näg.) Elenk. 7373, 9694, I2094, I28I5
- f. ioannianum (Kütz.) Elenk. I209I, I2092, I35II
subuliforme Gom. I3522
tadzhikicum Melnik. 7377, 7749, 7750, 7752, 7753, 8570, I07I5, I28I0, I35I8
tenue (Menegh.) Gom. 7225, 7368, 7376, 7599, 7670, 7673, 7676-7678, 7753, 7755, 7983, 8038, 8700, 8777, 8825, 89I4, 89I6, 9580, 96I7, 9749(o), 9959, 996I, I0008, I0026, I0028(o), I0I27, I0I50, I0I53, I0I76, I0I78, I02I8, I0220, I0325, I0327, I0328, I0548, I0658, I07I4, I07I5, I0955, I0956, I0964, I0965, I0967, I0968, IIII7, III84, II264, II455, II720, II755-II757, II878, II897, II932, I2I94, I2I95, I265I(o), I2652, I2653, I2656, I267I, I27I0, I2800, I2809, I28II, I28I5, I28I9, I2877, I3426, I3428, I3439, I3452, I3453, I3503, I3504, I3506, I35I4, I35I7(o), I35I8, I35I9, I3522-I3524, I3529, I3666, I3687
tenuissimum Woronich. 7225, 7676, 7749, I0I26, I0I27, I07I5,

II755, II757, I2I95, I2809, I28II, I2875, I2877, I3439, I3453, I35II
thermophilum Elenk. I0028(o), I0973, I3522
tinctorium Kütz. I0026, I0646, I35I4, I3526
- f. naegelianum (Kütz.) V.Poljansk. I0026
uncinatum (Ag.) Gom. 7I82, 7I83, 7225, 7277-7279, 7575, 7639-764I, 7643, 7644, 7749, 7750, 7753, 800I, 8038-8266, 8486, 8645, 8745, 8859, 9260, 926I, 9263, 9492, 9664, 9696, 98I3-98I5, I0I29, I07I5, I0720, I0723-I0725, I0727, I0822, I0967, I0970, IIII2, IIII3, IIII7, II264, II272, II484, II650, II702, II703, II705-II708, II886, II925, II926, II928, I2II4, I2I95, I2282, I2285, I2288, I2290-I2292, I2297, I2302, I2303, I2308, I23II, I23I2, I2522, I2574, I2699-I270I, I2703, I2776, I2784, I2874, I2877, I3027, I3439, I35I4, I3562
valderiae (Delp.) Geitl. 7376, 7983, 8570, 8859, I0I48, I0646, I07I5, II702-II707, II709, II755, I209I, I2092, I3503, I3504, I35I7(o), I3522, I3529
- f. majus Hollerb. 7373, 7754, I0066, I0968, I2I95, I2809, I35I4
- f. pseudovalderianum (Woronich.) Elenk. I07I5
- f. tenue (Woronich.) Elenk. 7750, 8778(o), I0I26
valderianum Gom. 7676
viride (Vauch.) Lemm. I07I5
viscosum Lemm. I3526
woronichinianum (Woronich.) Elenk. I3526
Phycodrys Kütz.
antarctica (Skottsb.) Skottsb. 9869
fimbriata (De la Pyl.) Kylin 760I, 8054, 8064, 9I24, 9406, I2064, I3633
riggii Gardn. 76I6(o), 9I64(o,p)
rossica (Sinova) A.Zin. 7606, 8279, 9406, I2907, I3708
serratiloba (Rupr.) A.Zin. 76I2-76I4, 76I6(o), 7636, 8060, 8070, 8073, 9I64(o,p), I2604, I2607
sinuosa (Good. et Wood.) Kütz. 760I, 7606, 8054, 8060, 8064, 8279, 8550, 855I, 9I24, 9I52, 9I75, 9406, II780, II782, II833, I3708
- f. lingulata J.Ag. 9I54, 9I69(p)
Phyllaria Le Jolis
sp. sp. 9406
dermatodea (De la Pyl.) Le Jolis 7II8, 760I, 8064, 9I24, II782
lorea (Bory) Kjellm. 7II8, 760I, 7604, 7606, 76II, I0II0
Phyllariella Ju.Petr. et V.Voz.
ochotensis Ju.Petr. et V.Voz. 76I3, 8070, II445(o,p)
Phyllariomonas Pasch.
striata (Korsch.) Pasch. 9749(o)
Phyllitis Kütz.
sp. sp. I0409
fascia (O.F.Müll.) Kütz. 7577
Phyllocardium Korsch.
complanatum Korsch. 800I, 8554
Phyllogigas Skottsb.
sp. sp. 8595, 9I56
Phyllophora Grev.
sp. sp. 74I3, 7422, 7636, 7688, 7932, 8036, 8206, 8427, 8562, 8774, 8862, 9062, 9469, 9530, 9539, 9546, I0482, I0483,

I0580, I0773, I0940, II286, II385, II567, II632, I2354, I2609, I3068, I3II3, I3607
abyssalis Skottsb. 9869
antarctica A. et E.S.Gepp 8595-8597, 9869
brodiaei (Turn.) J.Ag. 7I6I, 760I, 7606, 7906, 79I0, 79II, 8064, 8275, 8279, 8284, 855I, 9I24, 9406, 94I3-94I5, 94I8, 942I, 9422, 9426, 9534, I0I96, I0482, I0847, II573, II780, I2257, I2587, I2907, I3606, I3645, I3669, I3687, I37C8
- f. baltica Hauck I3688
- f. brodiaei (Turn.) J.Ag. I2257, I2258
- f. ligulata Ag. 942I, I2257, I2258
epiphylla (O.F.Müll.) Batt. 8592, I2609
interrupta (Grev.) J.Ag. 760I, 76I2, 76I3, 8064, 8070, 8275, 8279, 9I24, 9I52, 9I75, 9406, II833, I3708
membranifolia (Good. et Wood.) J.Ag. 7906, 79I0, 79II, 94I5, 942I, 9422, 9426, I2256-I2258, I2587
nervosa (DC) Grev. 7I6I-7I63, 7252, 7259, 74I3, 7520, 7905-7907, 79I0, 79II, 8600, 8899, 890I, 9I24, 9I62(o), 9402, 9407, 94I3-94I6, 94I8-9422, 9426, 9863, I0058, I0I45, I0I96, I049I, I0676-I0680, I0682, I0775, II358, II408, II409(o), II4I0-II4I3, II4I5-II4I7, II420, II423, II573, II575, II576, II580-II582, II939, I2I4I, I2256-I2259, I2587, I27I0, I2760, I3II6, I33I3, I3602-I3606, I36I4, I3688, I3693
parvula Darbesh. I3645
rubens (Good. et Wood.) Grev. 7529, 9I24, I0I40, II600, II60I, II605-II606
truncata (Pallas) A.Zin. 9I69(p), I0482
Phymatolithon Foslie
sp. sp. 8073
Physocytium Borzi
confervicola Borzi I0955
Physoporella Steinmann
sp. sp. 983I
Phytodinedria Pasch.
hemisphaera Pasch. 87I9
Phytodinium Klebs
globosum Pasch. 8778(o)
Pila Bertr. et Renault
sp. sp. 8329, 8636, I02I7, I3236
karpinskii Zalessky 9823
kuzbassica Laristschev I02I7
rossica Zalessky 9823
skotica 9823
Pilayella Bory
sp. sp. 7684, 7685, 8275, II782, I2537(p), I2664
littoralis(L.) Kjellm. 7I6I, 7433, 7435, 7577, 760I, 7606(p), 76I0-76I5, 7942, 8054, 8060, 8064, 8070, 8073, 8279, 8550, 859I, 8899, 890I, 9026, 9I20, 9I2I, 9I24, 9I54, 9I69, 9245, I0II0, I0222, II378, II379, I2064, I2664, I2907, I3645, I3669, I3687, I3708
varia Kjellm. 76I0, 807I(o), 8073, 8279, I2664, I3669, I3687
- f. rhizodes A.Zin. 7942
Pinnularia Ehr.
sp. sp. 7040, 7I73, 72I5, 72I9, 7222, 7287, 7438, 7496, 7497, 7506, 7626, 7685, 7702, 7732, 7868, 8038, 8I8I, 8I82, 8228,

8259, 8266, 8319, 8422, 8452(p), 8487, 8636, 8738, 8799, 8916, 8971, 8974, 8988, 9106, 9214, 9251, 9289, 9337, 9340, 9353, 9379, 9504, 9505, 9618, 9711, 9721, 9725, 9748, 9752, 9873, 9874, 9881, 9944, 9959, 10008, 10024, 10069, 10099, 10104, 10106, 10113, 10169, 10198, 10241, 10280, 10286, 10309, 10414, 10417, 10705, 10798, 10920, 10939, 11057, 11077, 11078, 11083, 11101, 11123, 11135, 11311, 11528, 11549, 11670, 11671, 11693, 11719, 11739, 11881, 11910, 11933, 12037, 12073, 12150, 12247, 12320, 12344, 12346, 12394, 12408, 12449, 12467, 12478, 12485, 12574, 12584, 12612, 12638, 12673, 12905, 13161-13164, 13171, 13206, 13213, 13245, 13269, 13271, 13274, 13294, 13353, 13354, 13369, 13404, 13488, 13581, 13631, 13706, 13724, 13730

abnormis Skv. 9694, 13201, 13756(o,p)

acrosphaeria (Bréb.) Rabenh. 7054, 7142, 7973, 8001, 8422, 8781, 9059, 10939, 11190(o), 11930, 12122, 13168, 13757(o)

- var. acrosphaeria 8700

- var. laevis Cl. 13365

aestuarii var. minor (Cl.) A.Cl. 13668(o,p)

alpina W.Sm. 7132, 7137, 7287, 7494, 10200, 10201, 10532, 10939, 11025, 13170

ambigua Cl. 11442

antiqua Tscher. 8364, 8365, 8370(p)

appendiculata (Ag.) Cl. 7150, 9568, 10046, 10153, 10201, 10371, 10939, 11866, 13168, 13517(o), 13522, 13757(o,p)

- var. budensis Grun. 7150, 11190(o), 13517(o), 13522, 13668

- f. pumila A.Cl. 11694

balfouriana var. stauroptera Skv. 13759(o,p)

bigibba Schum. 9445

borealis Ehr. 7054, 7130-7132, 7137, 7138, 7142, 7287, 7494, 7497, 7530, 7676-7678, 7973, 7975, 8038, 8247, 8422, 8691, 8738, 8743, 8781, 8825, 8896, 8976, 8981, 9057, 9059, 9060, 9087, 9204, 9379, 9442(o), 9444, 9445, 9715, 9749(o), 9801, 9819, 10046, 10066, 10169, 10198, 10200, 10201, 10246, 10325, 10327, 10328, 10371, 10532, 10548, 10646, 10715, 10939, 10956, 10967, 10968, 11112, 11113, 11117, 11311, 11424, 11479, 11483, 11529, 11530, 11694, 11720, 11866, 11878, 11908, 12320, 12405, 12501, 12579, 12584, 12899, 12933, 13168, 13171, 13201, 13246, 13249, 13353, 13354, 13435, 13439, 13453, 13544, 13657, 13666, 13668, 13724, 13759(o,p)

- var. borealis 8423, 8700(p), 9721, 10902, 11546, 12195

- var. brevicostata Hust. 8038, 9715, 10902, 11117, 12195

- var. minor Schirsch. 7130, 7132, 7137, 7494, 8422, 10200, 10201, 10532, 10715, 11530, 13353, 13668

brandelii Cl. 7973

braunii (Grun.) Cl. 8554, 9801, 12405, 13168, 13757(o)

- var. amphicephala (A.Mayer) Hust. 8781, 9447(o), 11866, 13168, 13354

- var. braunii 9447(o)

brevicostata Cl. 7054, 7287, 7497, 7831, 7973, 7975, 8247, 8691, 8738, 8781, 9057, 9444, 9445, 9694, 9748(o), 9749(o), 10202, 10939, 11311, 12320, 12347, 12405, 13354, 13706, 13757(o,p), 13759(o)

- var. brevicostata 8700, 9721

- var. sumatrana Hust. 9447(o)

cardinaliculus Cl. 8781

cardinalis (Ehr.) W.Sm. 7188, 7973, 8422, 8781, 10220, 10241, 10646, 11866, 13168, 13246, 13583

carlsonii A.Cl. 11694, 13668(o,p)

crassa Skv. 8207, 9447(o), 11311, 13756(o,p)

cruciformis Donk. 11442, 13706

cuneata var. reducta A.Cl. 11694

cymbelloides Jousé 8988, 10902

dactylus Ehr. 8247, 8781, 9444, 9721, 9801, 10202, 11223, 11694, 13168, 13353, 13354, 13668

directa A.S. 9220

- var. angusta Grun. 9220

- var. quadratarae A.S. 9220

distinguenda Cl. 7973, 8694, 9057, 9289, 9801, 13354, 13517(o), 13758(o,p)

- var. asiatica Skv. 13757(o,p)

- var. sphagnalis Skv. 13757(o,p)

divergens W.Sm. 7973, 8422, 8781, 8976, 8981, 9057, 9444, 9445, 9801, 10939, 11694, 12320, 12405, 13168, 13353, 13354, 13668, 13757(o)

- var. divergens 11194(o)

- var. elliptica Grun. 13757(o,p)

- var. undulata Herib. et Perag. 13757(o,p)

divergentissima (Grun.) Cl. 8781, 8976, 9297, 9444, 9445, 12320, 13354

- var. lata Skv. 13757(o,p)

episcopalis Cl. 13201, 13757(o,p)

- var. brevis Cl. 9748(o)

esox Ehr. 11694

fasciata (Lagerst.) Hust. 8738, 9444, 10008, 11190(o), 11530, 11694, 13354, 13668, 13706

fonticola Hust. 10241, 10548, 10970, 13169, 13517(o)

gentilis (Donk.) Cl. 7973, 8207, 8422, 8781, 8981, 9057, 9357, 9360, 9362, 9801, 9932, 11530, 13646, 13647

- var. sibirica Skv. 13757(o,p), 13758(o,p), 13759(o,p)

gibba Ehr. 7054, 7222, 7973, 7975, 8001, 8038, 8781, 8422, 8981, 9057, 9242, 9292, 9357, 9360, 9442(o), 9446, 9649, 9801, 10077, 10080, 10082, 10148, 10150, 10202, 10371, 10683, 11311, 11529, 11695, 11866, 11930, 12347, 12405, 13014, 13168, 13354, 13365, 13646, 13647, 13668, 13757(o,p)

- var. baikalensis Skv. 13201, 13756(o,p)

- var. gibba 9444, 9932, 10939

- f. gibba 11694

- var. interrupta A.Cl. 7054, 8700

- var. linearis Hust. 7507, 7973, 8038, 8301, 8781, 8976, 9057, 10046, 10099, 10218, 10241, 10939, 12320, 13168, 13757(o,p)

- f. linearis Hust. 10220, 11694

- var. mesogongyla (Ehr.) Hust. 7135, 7973, 8781, 9024, 9242, 9932

- - f. interrupta Cl. 9751

- var. parva (Ehr.) Grun. 8825, 9932, 13201

- f. polymorpha Skv. 13757(o,p)

- var. subundulata A.Mayer 7054, 8038, 9444, 10046, 10241, 12320, 12405, 13168

- f. subundulata A.Mayer II694, I3668, I3759(o,p)
globiceps var. krookii Grun. 7054, 7973, 8700, 9444, 97I5, I02I8, II442
gracillima Greg. 800I, 87I8, 980I, II694, I3354, I3526, I3568
hemiptera (Kütz.) Cl. 7054, 7497, 7530, 7700, 7973, 8737, 8738, 878I, 8942, 9057, 9357, 9449, I0220, I0939, II694, I2320, I2405, I250I, I3I63, I3I68, I3354
- var. hemiptera 8700(p), 972I
imperfecta A.Cl. II694, I3668(o)
intermedia Lagerst. 878I, 9444, 9749(o), I0046, I0939, II530, II694, I2095, I34I2, I35I7(o), I3668
interrupta W.Sm. 7973, 8038, 830I, 878I, 898I, 9057, 9087, 9749(o), 980I, I0939, II529, II695, II866, I2320, I2405, I2482, I250I, I3I68, I320I, I3354, I35I7(o), I363I, I3668
- f. interrupta II694
- var. minor Boye-Pet. 7973, 878I, II529
- f. minor Boye-Pet. 9444, II694, I2405, I3352, I3503, I35I7(o), I3522, I3668
- f. minutissima Hust. IIII2, IIII3, II694, I3354, I35I7(o), I3668
isostauron Grun. 7054, 7489, 7497, 7973, 8422, 869I, 8700, 8709, 898I, 9059, 97I5, 972I, I020I, II3II, II424, II45I, II529, II694, I2405, I320I, I3353, I3354
- var. orientalis Skv. I3757(o,p)
issykkulensis I.Kiss. 9457, I0546, I0548, I0549
karelica Cl. 9057, 97I5, I0I28, I0220, I0975, II694, I3526
- var. subcapitata Skv. I3757(o,p)
krookii (Grun.) Hust. I0220, II694
lacus baikali Skv. 8247, I3I69, I3756(o,p)
- var. gibbosa Skv. I3756(o,p)
- var. lanceolata Skv. I320I, I3756(o,p)
- var. linearis Skv. I3756(o,p)
lata (Bréb.) W.Sm. 7096, 7I30, 7I39, 7287, 7489, 7492, 7494, 7497, 7530, 753I, 7973, 7975, 800I, 8422, 8432, 8738, 8743, 878I, 8896, 8976, 898I(p), 9058, 9204, 9385, 9442(o), 97I5, 9749(o), I020I, I037I, I0382, I0388, I0532, I0939, III68, II3II, II530, II908, I2I22, I2404, I2405, I2584, I2899, I3I63, I3206, I3353, I3646, I3647, I3657
- var. lata 9444, 972I, I0902
- var. minor Grun. 9447(o), 9749(o), IIII7
- var. thuringica (Rabenh.) A.Mayer 7973, 8384, 9087(p), 9289, 9444, 9445, 975I, I3206
latestriata Meist. II866
legumen Ehr. 7973, 800I, 878I, 9057, 9444, I2405, I3757(o,p)
leptosoma (Grun.) Cl. 878I, I0I53, I020I, II530, II694, I35I7(o), I35I9, I3756(o,p)
- var. robusta Schirsch. 7I30, 9379
- f. robusta Schirsch. 7494, 9029, 9058, I0532, II3II
macilenta (Ehr.) Cl. 7973, 8738, 878I, 9932, I35I7(o)
major (Kütz.) Cl. 7054, 7139, 7848, 7973, 7992, 800I, 8207, 8247, 8266, 830I, 8422, 8694, 878I, 9057, 9204, 9292, 9568, 980I, 9932, I0099, I0I29, I0202, I024I, I0646, I07I5, I0939, II03I, II455, II537, II694, II695, II720, II866, I2049, I2I22, I2405, I2579, I258I, I30I4, I3I68, I3246, I3354, I35I7(o), I3642, I3666, I3668, I3704, I3756(o,p)

- var. hyalina (Hust.) Skabitsch. 7973, 878I, II694, I2405, I3668
- var. lacustris Meist. 800I, 9242, 9442(o), 9444, 9749(o), I02I8, I0220, I0902, II694, II720, II866, I250I, I2649(o), I3246, I35I7
- var. linearis Cl. 7973, 9029, II537, I3246
- - f. neglecta A.Mayer I3757(o,p)
- var. major 7054, 8423, 8687, 8690, 8700, 972I, I2650
- f. minor Skv. I3756(o,p)
- var. paludosa Meist. 878I, II694, I35I7(o), I3668
- var. transversa (A.S.) Cl. II694
meisteri Poretzky 9029
- f. armenica Poretzky I04I2
mesolepta (Ehr.) W.Sm. 7054, 7973, 830I, 8384, 878I, 8976, 9057, 9087, 9297, 9357, 9444, 9445, 9749(o), 980I, I0046, I020I, I0202, I024I, I0939, II45I, II695, I2320, I2405, I250I, I2579, I27I0, I320I, I3352, I3354, I3583, I3668
- f. angusta Cl. I3757(o,p)
- var. angustata Cl. I35I7(o)
- f. angustata Cl. I3I68, I3353
- var. mesolepta 8700(p), II694
- var. stauroneiformis (Grun.) Cl. 9568, I0900, I0902-I0904
- var. tenuis A.Cl. II694
microstauron (Ehr.) Cl. 7054, 7I42, 7I50, 7497, 7829, 783I, 7973, 800I, 8038, 830I, 8422, 8737, 8738, 878I, 8825, 8859, 9024, 9057, 9059, 9060, 9087, 9297, 9442(o), 9749(o), 980I, I0047, I020I, I0242, I0243, I0245, I0248, I037I, I0388, I0646, I0939, IIII2, IIII3, II529, II530, II695, II866, II908, I2095, I2320, I2405, I2579, I3I63, I3I68, I3I7I, I320I, I3246, I3269, I3354, I35I7(o), I3583, I3646, I3647, I3668, I3759(o,p)
- var. ambigua Meist. 800I, 9087, 9447(o), I3668
- f. biundulata O.Müll. 9447(o), I0046
- var. brebissonii (Kütz.) Hust. 7054, 7I42, 762I, 8038, 8384, 8423, 8700, 878I, 9057, 9087(p), 9298, 9444, 9445, 9649, 9694, 980I, I0046, I020I, I02I8, I0220, I024I, I0245, I037I, I0548, I0646, I0956, III94(o), II3II, II579, I2095, I2934, I3I68, I3246, I3269, I3283, I3353, I3354, I35I7(o), I3522, I3583, I3668
- - f. brebissonii II694
- - f. diminuta Grun. 9749(o), I0046, I0956, II694, I2405, I3499, I35I7(o), I3522
- var. diminuta Grun. I3354
- f. diminuta Grun. I0099
- var. microstauron 8423, 8687, 869I, 8700(p), 9444, 972I, I0099, I02I8, I0220, II694, I327I
- var. pumila A.Cl. I3668(o,p)
molaris (Grun.) Cl. 7054, 7222, 7973, 8422, 9060, 9444, 9694, 972I, 980I, III90(o,p), II720, II866, I2095, I35I7(o), I3522, I3756(o,p)
- var. lapponica Mölder IIII3, I3008
- f. lapponica Mölder IIII2, I3666
- var. molaris 8687, 869I, 8700
nobilis Ehr. 7530, 7973, 7989, 800I, 8038, 8422, 878I, 898I, 9057, 9289, 9447(o), 9568, 9749(o), 980I, I0080, I0309,

I0649, I0939, III28, II223, II559, II694, I2347, I2405, I32I7, I3354, I364I, I3668
- var. distincta Skv. I3757(o,p)
- var. parallela Skv. I3757(o,p)
nodosa Ehr. 7I42, 7973, 8422, 878I, 9057, 9447(o), II694, I2405, I3I68, I320I, I3354, I3668
- var. palibinii Poretzky 8423
palibinii Jouravleva I3I67, I3I70
passargei Reich. II546
pectinalis Skv. I3756(o,p)
- var. rostrata Skv. I3756(o,p)
platycephala (Ehr.) Cl. I3354
polyonca (Bréb.) O.Müll. I0247, I0249, II694, I2405, I3668
quadratarea A.S. 7735(p), 8738, 898I, 9000, 9458, II442, I3353, I3706
- var. bicuneata Heid. 9703-9705
- var. constricta Ostr. I289I, I2892, I3706
- var. quadratarea 9460(o)
- var. stuxbergii Cl. I289I, I2892
- var. subproducta Grun. I3706
quadratareioides Heid. 97II
rangoonensis Grun. 8038, I024I
rectangulata (Greg.) Cl. 9220
savanensis Boye-Pet. 7I50, 8422, I02I8, I0220, I3522
semicruciata Cl. 830I
semiinflata Östr. I2892
sphagnicola Skv. I3757(o,p)
spitzbergensis Cl. 7489, 7494, 8248, 9058, 97I5, I2723
stauroptera (Grun.) Cl. 8422, 9447(o), II866, I3526, I3668
- var. interrupta Cl. 9749(o), II866
- - f. subcapitata Skv. 8422
- var. mesogongyla (Ehr.) Hust. I3I68
- var. minuta A.Mayer II694
- var. stauroptera 972I, II694
stomatophora Grun. 7973, 972I, I3I68, I3354
streptoraphe Cl. 7497, 7973, 878I, 9298, 9444, 972I, 9932, I0099, I024I, I0242, I0388, I2584, I2899, I3354
- var. interrupta Skv. I3757(o,p), I3759(o,p)
- var. minor Cl. 7973, 8422, 878I, I2405, I3759(o,p)
subborealis Hust. 7I3I, 7I32, 7I37, 800I, I020I, I02I8, I0220, I0956, II529, II530, II694
subcapitata Greg. 7I32, 7I42, 7973, 8038, 8248, 8422, 878I, 8825, 8976, 9057, 9087, 9444, 9568, 980I, I0099, I020I, I024I, II529, II530, II866, II930, I2037(p), I2933, I3I68, I3353, I3354, I35I7(o), I3648, I3759(o,p)
- var. hilseana (Jan.) O.Müll. 8422, 9749(o), II694, II695, I3354, I3499, I35I7(o), I3522, I363I(p)
- var. paucistriata Grun. 830I
- var. subcapitata 8423, II694
- var. sublanceolata Boye-Pet. 9087
- f. tenuis Skv. I3757(o,p)
sublinearis (Grun.) Cl. 9057, 980I, I024I, II3II, I3I68, I3354
subovalis (Grun.) Cl. 878I
subsolaris (Grun.) Cl. 9447(o), 980I, II694, I3668
- var. asiatica Skv. I3757(o,p)

- var. truncata A.Cl. 965I
subviridis A.Cl. II694, I3668(o)
timofeevii Skabitsch. 7489, 878I, I3065
trevelyana Donk. 8738
undulata Greg. I07I5, I0822, IIII2, IIII3, IIII7, II866, I3354, I3522
- var. sibirica Skv. I3758(o,p)
- var. subundulata Grun. 800I
varians (Nitzsch) Ehr. I3008
viridis (Nitzsch) Ehr. 7054, 7I3I, 7I39, 7I42, 7I50, 7I88, 7222, 7287, 7295, 7296, 7497, 7764, 7829, 783I, 7973, 7989, 7992, 800I, 8038, 8207, 8247, 830I, 8384, 8422, 8694, 878I, 8976, 898I, 9057-9059, 9087(p), 9242, 9257, 9289, 9292, 9297, 9298, 9360, 9444-9446, 9568, 96I7, 9694, 9749(o), 980I, 98I0, 98I9, I0047, I020I, I0202, I024I, I0242, I04I2, I04I4, I0548, I0549, I0644, I0646, I0798, I093I, I0975, II222, II3II, II529, II530, II537, II695, II866, II88I, II908, I2049-I205I, I2320, I2405, I27I0, I2906, I2933, I30I3, I30I4, I3I63, I3I68, I320I, I3246, I3269, I3294, I3354, I35I7(o), I3529, I3583, I363I, I3642, I3668, I3758(o)
- var. clevei Meist. 800I, I02I8, I0220, II537, II694, I3246, I3353, I35I7(o)
- var. dispar Schum. 878I, 9379, I020I, II530
- var. elliptica Meist. I3246, I35I7(o)
- var. fallax Cl. 7973, 800I, 830I, 8384, 8422, 8737, 8738, 878I, 9059, 9087(p), I04I2, I0532, I0939, II694, I2405, I2482, I3246, I3354, I3668, I3706, I3757(o,p)
- var. intermedia Cl. 7287, 7597, 8038, 878I, 8896, 9057, 9694, 9749(o), I020I, I02I8, I0220, I0939, II3II, II530, II694, I3I68, I3I7I, I320I, I3246, I3354, I35I7(o), I3668
- var. interrupta Hust. 8423
- var. leptogongyla (Grun.) Cl. 7973, 8422, 8942, 9024, I0046, I02I8, I0220, I0248, I0939, II694, I2405, I3I68, I3668
- var. mesogongyla (Ehr.) Hust. I3I68
- var. minor Cl. I3I68
- var. orientalis Skv. I3757(o,p)
- var. rupestris (Hatzsch) Cl. 9057, II694, I3354, I35I7(o), I3668
- var. semicruciata Grun. II222, I320I, I3246
- var. sudetica (Hilse) Hust. 7054, 8038, 8422, 8687, 869I, 8700(p), 8738, 9057, 9749(o), 980I, I0099, I020I, I02I8, I0220, II694, II695, I3353, I3354, I3668
- var. viridis 972I, I0099, I02I8, I0220, I0939, II694, II695, I2482, I2649(o), I2939
viridissima Skv. I3756(o,p)
Pirilithion Luljewa
duplum Luljewa I0434(o,p)
Pithophora Wittr.
kewensis Wittr. II862(o,p)
Placosphaera Dang.
sp. sp. I3008
Plagiogramma Grev.
sp. sp. 8254, 8365
paleogenum Glez. 8364, 8365, 8370(p), I3364(o,p)

pulchellum Grun. 9720, I0379, I0380
staurophorum (Greg.) Heib. 8364, 8384, 8737, 8738, 9029, 9087(p), 93I2, 972I, I0384(p), I0388, I039I, II085, I3I62, I3706
truanii Jurilj 93II, 93I2
vanheurckii Grun. IIII76
Planctococcus Korsch.
sp. sp. 89I3
alsius Skuja I0220
sphaerocystiformis Korsch. 9024, 9749(o), I0008, I0II3, I2482, I3520, I3535
Planctonema Schmidle
lauterbornii Schmidle 7I03, 7348-735I, 8603, 8604, I0220, I022I, I0280, I0469, II8I6
Planktoniella Schütt
sp. sp. I0979, I3388, I36I9
sol (Wall.) Schütt 706I, 7530, 7532, 7534(o,p), 7536, 7956, 7959, 8982, 8990, 8994, 8999, 9002(p), 9I24, 9I37, 9I38, 9I4I, 9220, 922I, 9598, 9708, 97II-97I3, 97I6, 9965, I00I4-I00I6, I033I, I0886-I0888, I0890, I0892, I0976, I0978, I0980-I098I, I0982(p), I0983, II658, II980, II994, I20I9, I2I52, I2I53, I2223, I2228, I2230(o), I223I, I2594, I2597, I2598, I2669, I3028, I3649, I3706
Planophila Gern.
asymmetrica (Gern.) Wille II720, I3666
Platyclinia J.Ag.
fusco-rubra (Hook. et Harv.) Levr. 9I6I(o)
Platycystidia Cook. et Eis.
diptera Cook. et Eis. 8048-8049(o,p)
Platydorina Kof.
caudata Kof. 8038
Platymonas G.S.West
sp. sp. I08I4, I08I8, II605-II607, I2972, I3097, I3II3
arnoldii (Pr.-Lavr.) Matv. 7I03, I3009, I30I0
bilobata Rouch. I20I4, I20I5(o,p)
cordiformis (Dill) Korsch. 980I, I0046
viridis Rouch. 7744, I02I0, I08I4, I08I9, I2005(o,p), I20I4, I2462-I2464, I3042, I3054
Platythamnion J.Ag.
intermedium Tokida 7636, I2604
yezoënse Yamada et Tokida I2064
Plectonema Thur. ex Gom.
sp. sp. 7375, 7378, 8038, 8257, 9499, 9749, III34, III35, III39, II753, II756, I267I, I2889, I3452, I3455, I35I9, I3544
battersii Gom. I0964, I0965, II757
boryanum Gom. 7225, 7387, 739I, 8428, 85I2, 8579, 8825, 9723, I0069, II324, I2I95, I2809, I3522
- f. hollerbachianum Elenk. 7376, 7377, 7754, II32I, I2090, I2638, I3453
edaphicum (Elenk.) Vaul. 7373, 7376, 7377, 7599, 7749, 7750, 7753-7755, 7867, 8570, III35, III37, II386-II390, I3453
gracillimum (Zopf) Hansg. 7676, I07I5, I0968, IIII2, IIII3, IIII7, I2I95, I28I0, I28II, I2875, I2877, I3704
indicum Dixit I0548, I0968
nostocorum Born. 7373, 7377, 7438, 7676-7678, 7749, 7750, 7753,

7754, 8700, I07I5, I0968, IIII2, IIII3, IIII7, II90(o), II32I, II554, II866, I2094, I2I95, I3439, I3453, I3522
notatum Schmidle 7749, 7750, 7754, 7755, 9427, I0220, I07I5, II755, II757, I2I95, I3439, I3453, I35I4, I3522
phormidioides Hansg. 7755, IIII7, I2094
purpureum f. edaphicum Melnik. I07I5, I35I8
puteale (Kirchn.) Hansg. 7376, I07I5, I0968, I3439, I35I9, I3522
- f. edaphicum Elenk. I07I5
tenue Thur. I07I5
terebrans Born. et Flah. 8899, II573, I27I0, I35II, I35I4, I35I7(o), I3526
tomasinianum (Kütz.) Born. I0026, III90(o), I2090-I2092, I2094, I35I4, I3522
- f. gracile (Hansg.) V.Poljansk. I0026
Pleodorina Shaw
sp. sp. I0252
californica Shaw 72I5, 9448, I0I53, I0975, III90(o), II930, I2650, I2657(o), I30I3, I3246
sibirica Skabitsch. I2336(o,p)
Pleurastrum Chod.
terrestre Fritsch et John I0069
Pleurocapsa Thur.
sp. sp. 8035, I35I8, I358I
fuliginosa Hauck I27I0
minor Hansg. 7676, I0026, I0028(o), I02I8, I0220, I2I95
Pleurochloridella Pasch.
vacuolata Pasch. I3009, I30I0
Pleurochloris Pasch.
sp. sp. 7378, 7754, 8584, I0069, III35, I2574, I267I, I3452
anomala James 8825, IIII7
commutata Pasch. 7373, 7752, I2449, I3439
magna Boye-Pet. 7373, 7376, 7377, 7599, 7749, 7750, 7752, 7753, 7755, 8006, 8570, 858I, I0066, I0068, I0069, I0327, I0328, I0963, II03I, III35, III36, II554, I2449, I3428, I3453, I3544
pyrenoidosa Pasch. 7749, IIII7, III35, II720, I30I0, I3439, I3666
Pleurocladia A.Br.
sp. sp. 9I04, II67I
lacustris A.Br. 903I, 9I7I(o)
Pleurococcus Menegh.
sp. sp. 7I56, 7438(p), 8452(p), 8624, I0I04, I0644, I267I, I3452
magma (Bréb.) Menegh. 7676
naegelii Chod. I0327, I07I5, I3439, I3453
vulgaris Näg. 96I7, I0I29, I0I48, I0968, II264, II720, II878, I2I95, I2638, I2809, I2878, I3373, I3657, I3666, I3685
Pleuromonas Perty
jaculans Perty 9005
Pleurosigma W.Sm.
sp. sp. 706I, 7063, 7223, 7348, 7506, 7536, 7956, 8266, 8452(p), 8527, 8529, 853I, 8595, 8597, 8603, 8738, 898I, 8990, 9I24, 9I4I, 92I4, 922I, 9457, 9572, 97II, 9748, 988I, 9902, 9959, I0I04, I0280, I0370, I0384, I0772, I0939, II083, IIIOI, III76, II67I, II933, II994, II997, I20I9, I2073, I2I52, I2I53, I2223, I3249, I3274, I3294, I3363, I3706, I3736

acuminatum (Kütz.) Grun. 8266, 9257
aestuarii Bréb. 8034, 9214, II085, II571
angulatum (Queck.) W.Sm. 8034, 8038, 8266, 8738, 9029, 9214, 9220, 9568, 9649, 9972, II537, II571, II579, I2004, I2710, I3008, I3517(o), I3527
- var. angulatum 9456, 9457, 9459, II442, I2004
- var. finmarchicum Cl. II442, II579
- var. strigosum (W.Sm.) Cl. 8034, 8981, 9220, 9444, I0955, III84, II571, II579, I3517(o)
attenuatum W.Sm. I2049
balticum (Ehr.) W.Sm. 9220
clevei Grun. I2892
delicatulum W.Sm. 9444, 9457, 9459, II442, I2649(o)
directum Grun. 8737, 8738, 8981, 9000
elongatum W.Sm. 7061, 7063, 7685, 7952, 7983, 7984, 7987, 7995, 8000, 8034, 8038, 8444, 8604, 8981, 9220, 9242, 9492, 9649, 9747, 9801, I0136, I0145, I0276, I0280, I0548, I0673, I0803, I0891, I0956, III94(o), II279, II537, II543, II545-II547, II571, II579, I2710, I2956, I3012, I3014, I3269, I3271, I3274, I3499, I3511, I3517(o), I3576
- var. elongatum 7351, 9458, I0226
- var. karianum (Grun.) Cl. II442, I2189, I2892
formosum W.Sm. 9220, II571, II579, I3249
intermedium W.Sm. II442
karianum Grun. I2891
kjellmanii Cl. I2891
nicobaricum Grun. 7534(o), 7536
normanii Ralfs 7952, 9220, I0136
nubecula W.Sm. II085
- var. intermedium (W.Sm.) Cl. 7534(o), 7536, 8738
obscurum W.Sm. 9242
rigidum W.Sm. 9215, 9220
salinarum Grun. 7349, 7984, 8034, 9242, 9456, 9694, I0280, II571, I2710, I3499, I3517(o), I3527
stuxbergii Cl. 9568, I0017(o), I2004, I2892
- var. minus Grun. 8981
- var. rhomboides Cl. I2891
subsalsum Wisl. et Kolbe 9449, I0975
Pleurotaenium Näg.
sp. sp. 8308, 9749(o), II670, II671
baculoides (Roy et Biss.) Playf. I0160, I0162
coronatum (Bréb.) Rabenh. 7173, II881
- var. coronatum f. coronatum I0160
- - f. pseudofluctuatum Kossinsk. I0160
- var. nodulosum (Bréb.) West 9749(o), I0160
ehrenbergii (Bréb.) De Bary 8038, 9298, 9749(o,p), 9801, I0158, I0160, I0866, I0956, I2336, I2479(o)
- var. undulatum Schaarschm. 9024
eugeneum (Turn.) W. et G.S.West I0160
minutum (Ralfs) Delp. I2175(o,p), I?247
- var. elongatum (W. et G.S.West) Cedergr. I2175
- var. gracile (Wille) Krieg. I0160
- var. latum Kaiser I0160
- var. minutum f. crassum (West) Kossinsk. I0160
- - f. minus (Racib.) Kossinsk. I0160

- - f. minutum I0160
nodosum f. borgei Grönbl. I0160
nodosum (Bail.) Lund. f. nodosum I0160
simplicissimum Grönbl. 9749(o)
- var. insigne (Roll) Krieg. I0160
trabecula (Ehr.) Näg. 8038, 8301, 9024, 9298, 9446, 9478, 9662(o), 9749, 9801, 9932, I0134(o), I0148, I0152, I0158, I0162, I0218, I0220, I0644, I0975, III90(o), II866, II881, I2122, I2320, I2667, I3482
- f. crassum Wittr. 9242, 9749(o), II881
- var. maximum (Reinsch) Lund. 8038
- var. rectum (Delp.) W. et G.S.West 8301, 9024, I0160
- var. trabecula III28
- - f. clavatum (Kütz.) W. et G.S.West I0160
- - f. trabecula I0160
tridentulum (Wolle) West I0160
truncatum (Bréb.) Näg. 8038, 9749(o,p), I2667(o)
- f. granulatum (W. et G.S.West) Kossinsk. I0160
- f. truncatum I0160
Plocamium Lamour.
coccineum Lamour. 9869
Plumaria Schmitz
elegans (Bonn.) Schmitz 7606, 7608, 7611, 7615, 8275, 8279, 9406, I0110
Pluriarvalium Sarj.
osmingtonense Sarj. 8048-8049(o,p)
Podolampas Stein
sp. sp. 7952, I3567(p)
bipes Stein 8048-8049(o,p), 9137, 9221, I0014, I2153, I2223, I2597
elegans Schütt I2597, I2669
palmipes Stein 7063, 7952, 9137, 9141, I0014, I0888, I0892, I2153, I2223, I2597, I2669
spinifera Okam. 8763, 9598, 9993(o,p), I0841, I2153, I2223, I2597
Podorhabdus Noël
sp. sp. I3473
Podosira Ehr.
sp. sp. 7287, 7491, 7534(o), 7536, 7597, 8737, 8738, II311, II334, I3160-I3162, I3369, I3388
aspera Jousé 9952, II334
corolla A.S. I0939, II334
elegans Sheshuk. I3353
glacialis (Grun.) Jörg. 7490
gracillima Biska et Dewjatova 7597
hormoides (Mont.) Kütz. 7534(o), 7536, 8982, 9220, I0803, II085, II417
- var. adriatica Grun. 7490, I0201
- var. hormoides I0468, II083
hyalina Jousé 7502, 7824, 7826, 8355, 9952, II334
maxima (Kütz.) Grun. 9721, 9972, II085
- var. maxima II083
modesta Jousé 8355, 9952, I3707
montagnei Kütz. 7597, 8737, 8738
parvula Makar. et Pr.-Lavr. 7353, 8961, I0470, I0474, I0479(o), I0480(o,p)

stelliger (Bail.) Mann 7534(o), 7536, 7597, 8737, 8738, 8979, I0384(p), I0388, I039I, II3II, I3I65, I3I7I
wittii Schulz II334
Poecilophycus Korde
sp. sp. 9833
Polycoryne Skottsb.
compacta A.Zin. 9I6I(o,p)
denticulata Tokida 8054
radiata Skottsb. 9I6I(o,p)
Polyedriella Pasch.
sp. sp. I0069
aculeata Pasch. 8825, I3439
helvetica Visch. et Pasch. I0066, I0068, IIII7, III35, III36, I3439, I3453, I3544
Polyedriopsis Schmidle
spinulosa Schmidle 800I, 87I0, I0046, I0646, II537
Polyedrium Näg.
sp. sp. 9257, I3II7
caudatum Corda 9959
minimum A.Br. 9959
Polygonalium Vologd.
lukashevii Vologd. 8II4
ovale Vologd. 8II4
Polyides Ag.
carpinus (Gunn.) Papenf. 7942
rotundus (Gmel.) Grev. 7520, 760I, 7604, 7606, 8064, 8275, 8279, 8284, II358, II833, I2239, I2240, I3687, I3708
Polykrikos Bütsch.
schwartzii Bütsch. 9220
Polyneura (J.Ag.) Kylin
latissima (Harv.) Kylin 8054
Polyopes J.Ag.
polyideoides Okam. 8054
Polyporolithon Mason
conchatum Setch. et Foslie 8054
Polysiphonia Grev.
sp. sp. 7577, 7684, 8056, 8275, 8529, 8532, 859I, 8897, 8898, 8902, 9075, 9II8, 9I23, 9534, 954I, 957I, I0I39, I0223, I0225, I0330, I0929, II780, I2064, I2I40, I2604, I2609, I2664, I33I2, I33I4, I3477, I3720
acanthophora Kütz. 9420
arachnoidea (Ag.) J.Ag. I0929
arctica J.Ag. 760I, 7606, 8054, 8064, 8279, 9I24, 9I54, 9I69, 9I75, 9406, I3708
atrorubescens (Dillw.) Grev. I3687
caspia Kütz. 9030(o), 903I, 9033(o,p), I0563(o), II4I9, II42I, I33I3
codiicola Zanard. II384
denudata (Dillw.) Kütz. 890I, 9030(o), 903I, 9033(o,p), 9I62(o), 94I8, I2257
elongata (Huds.) Harv. 7I6I, 7I64, 74I3, 8054, 8899, 890I, 9030(o), 903I, 9033(o,p), 9II8, 9I23, 9I24, 94I8, 9420, 942I, 9457, I0058, I0I40, I0I45, I0563(o), I0929, II408, I0409(o), II4I0-II4I2, II4I5, II4I7, II420, II42I, II423,

II57I, II573, II575, II600, II60I, II605-II606, II6I9, I33I3, I3605, I3606
elongella Harv. 8054
fastigiata (Roth) Grev. 7606, I0II0, II379
harveyi Bail. 8054
japonica Harv. 7636, 8054, 8056, 8058, 8590-8592, II384, I2607, I2664, I3029, I3633
lanosa (L.) Tandy 7744
morrowii Harv. 7636, 8054, II384, I235I, I2607, I2664, I3633
nigrescens (G.Sm.) Grev. 7I6I, 760I, 7608, 8064, 8279, 9I2I, 9I24, 9406, I2907, I3645, I3669, I3687
nipponica Segi 7786(o,p)
opaca (Ag.) Zanard. 8899, 890I, 8902, 9I24, 94I8, 9420, II408, II409(o), II4I0, II4I2, II4I5, II4I7, II420, II423, I33I3
pulvinata J.Ag. 94I8, I0929, II409(o), II4I0-II4I2
sanguinea (Ag.) Zanard. 903I
senticulosa Harv. 7786(o,p), I2604, I2606, I2607, I3633
sertularioides (Grun.) J.Ag. 9I24, I33I3
spinosa (Ag.) J.Ag. 7636, II383(o), II409(o), II4I0-II4I2
spinulosa Grev. 8899, 890I
subulifera (Ag.) Harv. 7I6I, 760I, 7744, 7745, 8527, 8899, 890I, 9I24, 9402, 9407, 9409, 94II, 94I8, 9420, I0929, II409(o), II4I0-II4I2, II420, II423, I2589, I3043
urceolata (Lightf.) Grev. 760I, 7606, 7608, 76II-76I3, 76I5, 7942, 8054, 8058, 8064, 8070, 8073, 8275, 8279, 8550, 9I2I, 9I24, 9I52, I0II0, II064, II377, II782, II783, II833, I2604, I2607, I2907, I3633, I3708
variegata (Ag.) Zanard. 7I6I, 7365, 8899, 8902, 9II8, 9I23, 9I24, 9245(o), 9420, 942I, I0929, II409(o), II4I2, II420, II57I
- var. fragilis (Sperk) Woronich. 8899
violacea (Roth) Grev. 7I6I, 7I64, 9030(o), 903I, 9I24, I0563(o), I3645, I3669, I3687
- f. subulata (Ducl.) Hauck II42I
- f. violacea 9033(o,p)
virgata Falkenb. 8054
yendoi Segi 8054
Polytoma Ehr.
uvella Ehr. 8266, 8274, I2776, I2784
Pontosphaera Lohm.
sp. sp. 75II, 75I2, 8760, 9I24
bigelowii Gramb. et Braar. 9220
borealis Ostf. I00I3, I2892
haeckelii Lohm. 9220
hartmannii Schill. 8763, 9220
huxleyi Lohm. 7508, 75I7, 7955, 7956, 7969, 82II, 82I3, 8752, 8759, 8762, 8763, 9054, 92I5, 9220, 96I9, 9783, 9785, 9787, 9788, 979I, 9793, 9995, I0207, I02I0, I02II, I02I4, I0840, I084I, I0886, I0887, I0960, II022, II537, II834, I20I9, I259I, I3005, I3035
inermis Lohm. 8763, I0840, I084I
nigra Schill. 9220
pellucida Lohm. 8763
pietschmannii Kampt. 8763

Pontothrix Nads. et Krassiln.
longissima Nads. et Krassiln. II0I3
Porella Schill.
sp. sp. 8760, 9I40
adriatica Schill. 7956, I2I52
perforata (Gran) Schill. I2I52, I2I53
Poretzkia Jousé
sp. sp. I2534
circularis Jousé 7824, 9952
mirabilis Jousé 7824, 82I8, 9952(p), II3II
umbonata Gles. 8357(o,p)
Porochara Mädler
sp. sp. I2096
abjecta Said. I0323, I2I08(o,p), I2II0
bachmutica Said. III24, I2I02, I2I05(o,p), I2I06, I2II0, I2II2, I2888
belorussica Said. 9575, 9578, 9579, I032I, I0322, III24, I2I00(o,p), I2I06, I2II0, I2888
bransonii Peck 808I
brotzenii (v. af R.) Gramb. 9575, 9578, 9579, I0322, I0893, III24, I2I00(o), I2I06, I2I07, I2II0, I2888
concisa Said. I0322, I0323, I2I08(o,p)
cylindrica Kis. 9575, 9576(o,p), 9577(p)
delicata Said. I0322, I2II0
dergatschiensis Kis. 9573-9574 (o,p), 9575, 9579, I0323, I2II0
disca Kis. 9573-9574(o,p), 9575, 9577(p), 9579, I0323
karpinskyi Demin I2096
kiparisovae Said. 9575, 9577(p), 9578, 9579, I0322, I0323, I2II0
lipatovae Kis. 9575, 9576(o,p), 9577(p), 9578(o,p), 9579, I0322, I2II0
lutkevichii Said. 9575, 9577(p), 9578, 9579, I0322, I2II0
movschovichii Said. 9575, 9577(p), 9578, I0322, I2II0
parva Kis. 9575, 9576(o,p), 9577(p), 9579
rykovii Said. 9575, 9577(p), 9578, 9579, I0323, I2II0
sokolovae Said. 9575, 9578, 9579, I0323, I2II0
sphaerica Kis. 9575, 9576(o,p), 9577(p), 9578(o,p), 9579(p), I0323, I2II0
triassica (Said.) Gramb. 9208, 9575, 9577(p), 9578, 9579, I0320-I0323, I0894, III24, III25, I2096, I2I00(o,p), I2I06, I2I07, I2II0, I2888
ukrainica Said. 9208, 9575, 9577(p), 9578, 9579, I0320, I0322, I0323, I0894, I2096(p), I2I00(o,p), I2I06, I2I07, I2888
urusovii Said. 9575, 9577(p), 9579, I032I-I0323, I0893, I0894, I2I00(o,p), I2I06, I2II0, I2888
volgensis Said. III24, I2I02, I2I05(o,p), I2I06, I2II0, I2II2, I2888
Porodiscus Gr v.
splendidus Grev. 8364(p), 8365, 8370(p)
Porolithon Foslie
sp. sp. I03I6
Poropila
dubia Schill. 7956, 8763, I2I52
Porosira Jörg.
sp. sp. 8254
antarctica Kozlova 9000(o,p), 9703(o,p), 9707(o,p), 97II

antiqua Jousé 8978(o,p), 898I(p)
dichotomica Kozlova 9703(o,p), 9704, 9705(p), 9707(o,p)
glacialis (Grun.) Jörg. 749I, 7494, 7497, 7530-7532, 82II, 8780, 8979, 898I(p), 8994, 8995, 9002(p), 9029, 9I24, 9220, 97I5, 97I6, 9747, I033I, I0384(p), I0388, I039I, I0532, I0939, III68, II424, II908, II9I0, II980, II994, I2004, I2228, I289I, I2892, I2956, I3649
- f. fossilis 8995
maxima Jousé 898I
pseudodenticulata (Hust.) Jousé 8999, 9000(o,p), 9002(p), 9703(o,p), 9705(p), 97II
pliocenica 898I
Porphyra Ag.
sp. sp. 76I3, 7685, 79I4, 8059, 8060, 8063, 8275, 859I, 9I24, IIII0, I0I44, I0372, I0409, I0806, I0897, II377, II385, II423, II607, I2064, I2537(p), 12664, I2707, I29I6, I3II3, I3633, I3686, I3720
abyssicola Kjellm. 7606, 8279, II782
amplissima (Kjellm.) Setch. et Hus 7606, 76II, 8054, 8065(o), 8070, 9026, 9I54, I0II0, II379
atropurpurea (Olivi) De Toni 7275, I3686
bulbopes (Yendo) Okam. 8065(o)
helenae A.Zin. 7606, 8279, 8550, 9406, I0II0, II379
laciniata (Lightf.) Ag. 7II8, 7449, 7606, 76II, 7942, 8064, 8279, 8550, I0II0, I3686
leucosticta Thur. 8897-8899, 890I, 8902, 9I62(o), I0I40, I0I45, I0804, I0808, I0929, II570, II573, II629
miniata (Lyngb.) Ag. 7606, 8065(o), 8550, 855I
ochotensis Nagai 76I2, 8054, 8060, 8065(o), 8070, II383(o)
perforata J.Ag. 8054
pseudocrassa Yamada et Mikami 8054, 8065
pseudolinearis Ueda 7636, 8054
suborbiculata Kjellm. 8054
tasa (Yendo) Ueda 8070
tenera Kjellm. 7636, 8054, 8055(o), I2604, I2607, I3686
umbilicalis (L.) Kütz. 7429, 7430, 760I, 7606, 7608, 76II, 7942, 805I, 8054, 8060, 8064, 8070, 8550, I0II0, II345, II379, II384, I3686(p)
variegata (Kjellm.) Hus 76I2, 7636, 8054, 8056, 8070, I2604, I2607, I2609
Porphyridium Näg.
cruentum Näg. 7274, 8464, 9I97, II2I9, II5I7, II605-II606, I3657
Porphyrosiphon Kütz. ex Com.
sp. sp. I35I8
notarisii (Menegh.) Kütz. II93I, II932, I35I0
Porterinema Waern
fluviatile (Porter) Waern 9I24
Potentillina Korde
campanulata Korde 9833
monstrata Korde 9833
Praechara H. af R.
sp. sp. I0I68, I2096, I2II0, I3233, I3235, I3237(p)
donetziana Said. III25, I2096-I2098, I2888
elongata Said. III25, I2096(p)

maedleri H. af R. III24, III25, I2096-I2098, I2888
ovata Said. III25, I2096(p), I2888
pseudoglypta H. af R. III24, III25, I2096, I2888
shaikinii Said. III25, I2888
triassica (Said.) Gramb. III25
voluta Peck I0I68
Praechroococcus Vologd.
catervatus Vologd. 8II2
Prasiola (Ag.) Menegh.
sp. sp. 7438
crispa (Lightf.) Menegh. 8054, 9I2I, 987I, I35I4
delicata Setch. et Gardn. 8054
fluviatilis (Sommerf.) Aresch. I095I, I0956
Prediscosphaera Veksch.
decorata Veksch. 7824
Primicorallina Whitfield
sp. sp. 9833
Pringsheimia Reinke
scutata Reinke I3645
Pringsheimiella Höhnel
scutata (Reinke) Höhnel ex Marschew. 7942, 9030(o), 903I, 9033(o,p), 94I8, 9420, I0II0, II378
Prionitis J.Ag.
cornea (Okam.) Daws. 805I
patens Okam. 805I, 8054
Proaulopora Vologd.
sp. sp. 8607, 9828, II868
composita Korde 9833
crassa Korde 9833
extincta Korde 9833
flexuosa Korde 9833
glabra Krasnop. 9207, I3596-I3597
longa Korde 9833
microspora Korde 9833
pulchra Korde 9833
rarissima Vologd. 9833, I04I5, III27, I25I3, I3596-I3597
sajanica Korde 8607, 8609, 9833
Proninophyton Korde
sp. sp. 9833
Pronoctiluca Fabre-Domer.
acuta (Lohm.) Schill. 7954
pelagica Fabre-Domer. 7950
Prorocentrum Ehr.
sp. sp. 706I, 7950, 7956, 8553, 8557, 8760, 8865, 9I40, 9I42, 9233, I0475, II069, II607, I2I52, I2I53, I2223, I2230, I2597, I286I
cornutum Schill. 7956
dentatum Stein 7063, 7956, I0889, I0890, I2004, I2I53, I2597
gracile Schutt I20I9
hentschelii Schill. 7956
lebourae Schill. I2223
micans Ehr. 706I, 7084-7090, 7092-7094, 735I, 7353, 7354, 7443, 7509, 7742, 7744, 7746, 7950, 7952, 7954-7956, 8330, 8527,

8530, 8556, 8763, 9II2, 9II4, 9II5, 9II7, 9I24, 9I32, 92II, 92I4, 9220, 9223, 9232, 9367, 96I9, 9783, 9784, 9787, 9788, 9959, 9962, 9976, I0205, I0206, I0209, I02I2, I02I3, I0280, I0673, I08I4, I08I6, I08I8, I08I9, I0839, I0846, I0877, I094I, II40I, II403, II537, II605-II606, II6I7, I2079, I208I, I2I53, I2228, I2237, I259I, I2597, I3043, I3053, I3645, I3725
nanum Schill. 8763, I2I52
obtusidens Schill. 7956, I2I53, I2223
obtusum Ostf. 7349-7355, 9I24, 9220, II537, II545
proximum Makar. I047I(o,p)
pyriforme I2I52
rostratum Stein 7956, I2I53, I2223, I2597
rotundatum Schill. 8763
scutellum Schröd. 706I, 7348-735I, 7353-7355, 7954, 7956, 8763, 9I24, 9I32, 9220, I0469, I0473, I0479(o), I084I, I0888, II537
triestinum Schill. 9788, I2I52
trochoideum I08I4
Protoceratium Bergh
areolatum Kof. I2I53
reticulatum (Clap. et Lachm.) Bütsch. 75I7, 7952, 7954, 7956, 8752, 8763, 9220, 9793, II537, I2004, I2I53, I2223, I27I0, I2892, I3645
spinulosum (Mur. et Whitt.) Schill. I2223
Protococcus Ag.
sp. sp. 7375, 8573, 8584, III98, I2833
annulatus Pasch. 8570, 858I
viridis Ag. 7225, 7373, 7376, 7676, 7749, 7750, 7752-7754, 8257, 8570, 858I, 8700, 9944, I0970, III35, II325, II326, II45I, II455, I28I0, I28II, I2877, I3524
Protoderma Kütz.
viride Kütz. I0I26, III90(o,p), II866, I3526
- marinum (Reinke) Lakowitz I3645
Protodinium Lohm.
simplicium Schill. 7956
Protomonostroma Vinogr.
undulatum (Wittr.) Vinogr. 7947
- f. farlowii Foslie 7948
- f. undulatum 7948
Protorivularia Butin
sp. sp. 9828
Protosiphon Klebs
sp. sp. II265
botryoides (Kütz.) Klebs 7377, 7749, 7752, I0970, I28I0, I2877, I3439
Protospira Vologd.
stryginii Vologd. 8I34(o,p)
Prototaxites Daws.
sp. sp. I3236
forfarensis (Kidston) Pia 7I76(o,p)
Prototheca Krüger
chlorelloides Beijer. 8570
Protovalonia Vologd.
ichinzaganensis Vologd. 8II9(o,p)

regularis Vologd. 8II9(o,p)
Protuberantia Vologd.
vesicularis Vologd. 8II3(o,p)
Prymnesium Massart
sp. sp. 7742, 7746, 9II2, I0208, I08I4
parvum Cart. 7257, 7744, 9220, 9249, I02I0, I20I3(o), I3042, I3043, I3053
Pseudanabaena Laut.
sp. sp. 7754, 8038, 8505, I0029, I0069, I2809
articulata Skuja 965I, I3522
bipes Böcher 9694, I0026, I0220, I2094, I363I
catenata Laut. 7I03-7I05, 8304, 8307, 8308, 8570, I0026, I0077, I0080, I02I8, I0220, I0644, III84, I2048-I205I, I2320, I265I(o)
crassa Vozzhen. 9652, I0975, I209I, I35I8, I3522
edaphica Melnik. I07I5
galeata Böcher 8304, 8307, 9694, I0006, I0007, II264, II545, I3009
- f. galeata I0008
- f. tenuis (Böcher) V.Poljansk. 9694, I0008, I3009
papillaterminata (I.Kiss.) Kukk 7376, 8304, I0026, I2090-I2092, I2094, I3398
tenuis Koppe I0026, I3522
Pseudauliscus A.S.
sp. sp. 8370
brunii Pant. 8365
Pseudoamphiprora Cl.
stauroptera (Bail.) Cl. II442
Pseudoaulacodiscus Veksch.
sp. sp. I2534
jouseae Veksch. 7823(o,p)
Pseudoceratium Gocht
pelliferum Gocht 8048-8049(o,p)
Pseudochaetoceras Hang
sp. sp. 9823, 9824
Pseudocharacium Korsch.
acuminatum Korsch. 9694, I0220, I0646, I2933, I35II
- var. inclinatum Korsch. I2933
Pseudochlorothecium Korsch.
mucigenum Korsch. 9749(o,p)
Pseudochorda Yamada
nagaii (Tokida) Inagaki 7636, 8054, 8592, I2609
Pseudodeflandrea Alb.
gigantea Alb. 8048-8049(o)
Pseudoeunotia (Grun.) Grun.
doliolus (Wall.) Grun. 7530-7532, 7534(o,p), 7536, 7956, 8979, 898I, 8982, 8990, 8994, 8999, 9002(p), 9604, 9704, 9708, 97II-97I3, 97I6, I0976(p), I0978, I0980-I098I, I0982(p), I0983, I2I52, I2I53, I2597, I2669, I3649
Pseudogoniolina Korde
permica Korde 9828, 983I
Pseudogyroporella Endo
sp. sp. 8681
grandis Korde 9826(o,p), 9827, 983I

Pseudohimantidium Hust. et Krasske
sp. sp. II083
Pseudoholopedia (Rypp.) Elenk.
sp. sp. I35I8
convoluta (Bréb.) Elenk. 7985, 7988, 7989, 7992, 800I, 8700, 9289, 9448, 9748(o), 980I, I0026, I0220, I0463, II537, II866, II935, I209I, I2482, I2579, I3I20
Pseudokephyrion Pasch.
sp. sp. 7227, I022I, I0365, II793, II866, II899
cinctum (Schill.) G.Schm. 87I4(o,p), 87I6, 9882
conicum (Schill.) G.Schm. 87I4(o,p), 87I6, 9882
depressum G.Schm. 87I4(o,p), 87I6, 9882, I0366
entzii Conr. 87I4(o,p), 87I5, 87I6, 9882, I0043(o,p), I0044, I0046, I0I3I, I0I32
heverlense Conr. 87I4(o,p), 9882
latum (Schill.) G.Schm. 87I4(o,p), 87I6, 9882
minutissimum Conr. 87I4(o,p), 9882, I0043(o,p), I0044, I0046
ovum (Pasch. et Ruttn.) G.Schm. 9687
pilidium Schill. 800I, 87I6
poculum Conr. 980I, II866
ruttneri (Schill.) G.Schm. 87I4(o), 87I6, 9882
schilleri Conr. 800I, 8556, 87I4(o), 87I6, 980I, I0008, I0046, I0I77 , I02I8, I0220, I0362, I0363, II864, II866, I3I27
skujae Bourr. 87I4(o,p), 9882
undulatissimum Scherf. 800I, 87I4(o,p), 87I6
undulatum (Klebs) Pasch. 980I
Pseudolaingia Levr.
larsenii (Skottsb.) Levr. 9I6I(o)
Pseudolithoderma Svedelius
rosenvingii (Waern) S.Lund I2664
Pseudolithothamnium Pfender
kahetii Masl. 9950
Pseudoncobyrsa Geitl.
lacustris (Kirchn.) Geitl. I0026
Pseudonitzschia H.Perag.
barkleyi Hust. 9000
seriata Cl. 9000
sicula (Castr.) Hust. 9000, 9703-9705, 97I6, I3649
Pseudonostoc Elenk.
sp. sp. 9552, 9554, 9557, 9875-9878, II898, I2474
richteri Elenk. II720, I3666
Pseudopedinella Cart.
variabilis Rouch. I20II(o,p), I20I4
Pseudophycodrys Skottsb.
rainosukei Tokida 76I3, 8054, 8070, I2607
Pseudopodosira Jousé
sp. sp. 8364, I2534
aspera (Jousé) Streln. I2536
bella Possn. et Gles. 8364(p), 8365, 8366(o,p), 8370, I32I6
dispersa Sheshuk. 8370(p), I3364(o,p)
elegans Sheshuk. 972I, I3357(o,p), I3362
hyalina (Jousé) Veksch. 7829, 8365, 8370(p), I3362
mixta Possn. 8365, 8366(o,p)
modesta Jousé 8365, 8370
orientalis Sheshuk. I3357(o,p), I3358, I3362

pileiformis Jousé 7287, 8365, 8370, 9952, II3II, II334, I3707
septentrionalis Loss. I0390(o,p)
simplex (Jousé) Streln. I2536
ternata Veksch. 7823(o,p)
westii (W.Sm.) Sheshuk. et Gles. 82I9, 8365, 8370, 9720, I32I6, I3364(o,p)
Pseudopolyedriopsis Hollerb.
skujae Hollerb. 8409(o), 8926, I0220, I3287
Pseudopyxilla Forti
sp. sp. 7287, 8738
aculeata Jousé 9952
americana (Ehr.) Forti 8370, 972I(p)
baltica Grun. 8365
capreolus Forti II334
composita Gles. 8365, 8366(o,p), 8370
dubia Grun. 8365, II334
maeotica Pant. I3363(o,p)
russica (Pant.) Forti 8365, 8370, 972I, 9952, II334, I2536, I3369
temperiana Forti 9872(o,p), II334
Pseudorocella Defl.
gemma Hanna 8370
Pseudospelaeopogon Elenk.
lucifugus (Borzi) Elenk. I35I4
Pseudosphaerocystis Woronich.
planctonica Woronich. 9932, I0080, I0II3, II45I, II585, II879, II88I, I30I0
Pseudostaurastrum (Hansg.) Chod.
enorme (Ralfs) Chod. 8408, I02I8, I0220
hastatum (Reinsch) Chod. 8408, 8926, I3274, I3279, I328I, I3287
Pseudostictodiscus Grun. ex A.S.
sp. sp. 7827
angulatus Grun. 8364, 8365, 9952, II334, I2039
ovetschkinii Gles. 8364, 8365, 8366(o,p), 8370(p)
picus Hanna 9952
Pseudosyncrypta I.Kiss.
sp. sp. 7173
Pseudosynura I.Kiss.
uroglenopsis I.Kiss. 9932, II88I
volvox I.Kiss. 9932
Pseudotetraëdron Pasch.
neglectum Pasch. I2327
Pseudovermiporella Elliott
multiforma Korde 983I
paranipponica Korde 9826(o,p), 9827, 9828, 9829(o,p), 983I
serbica Pia 9827, 9828, 983I
sodalica Elliott 9827, 9828, 9829(o,p), 983I
Pseudulvella Wille
prostrata (Gardn.) Setch. et Gardn. 8054, 8055(o), 807I(o)
Pterocladia J.Ag.
sp. sp. I0409
Pterodinium Eis.
aliferum Eis. 8048-8049(o,p)
Pteromonas Sel.
sp. sp. 8038, I2327, I3246

aculeata Lemm. 800I, 980I, I0080, I0646, II866, II966, I2327, I3246, I327I, I3272
- var. irregularis Korsch. 800I, II866
alata Cohn I3736
angulosa Lemm. 7082, 800I, 92I4, 980I, I0046, II859, II866, II966, I3008
chodatii Lemm. 800I, I2327
golenkiniana Pasch. 800I
robusta Korsch. I3246
torta Korsch. 800I, 8926, 9220, I0039, I0040, I0046, I2327
Pterosiphonia Falkenb.
bipinnata (Post. et Rupr.) Falkenb. 76I2, 76I3, 7636, 8054, 8058, 8060, 8070, 8073, II384, I2064, I2604, I2606, I2607, I2609, I3720
Pterosperma Pouch.
sp. sp. I2I53
cristatum Schill. 8763, 9220, II537, I2I53
hemisphaericum Meunier 9220
joergensenii Schill. 9220
ornatum Schill. 9220
Pterotheca Grun. ex Forti
sp. sp. 7829, 8370, II3II, I2529, I253I, I2536, I3I63
aculeifera Grun. 7287, 82I9, 8364, 8365, 8370, 9952, II334, I2534, I2536, I3707
carinifera Grun. 8364, 8365, 8370, 9000, 9952, I3369
- var. carinifera II334
- var. curvirostris Jousé 8254, II334
cornuta Schibcova II334
crucifera Hanna II334
evermannii Hanna 9952, I2529, I2536
kittonia Jousé 9952
kittoniana Grun. 8365, II334
- var. kamtschatica Gaponov 972I, I3362
- var. kittoniana 8370
major Jousé 9952, II334
pokrovskajae Jousé I2529
pseudocarinifera Grun. 9952
reticulata Sheshuk. I3353(p), I3358, I3362
simplex Streln. I2534
spada Temp. et Brun I3353
spinosa Jousé I3707
uralica Jousé 9952, I2529
Ptilota Ag.
sp. sp. 7688, 8059, 8275, I2605, I340I-I3403
asplenioides (Turn.) Ag. 76I2-76I4, 8054, 8060, 8070, I2064, I2607
californica Rupr. 8054, I2604, I2607
filicina (Farl.) J.Ag. 76I6(o), 7636, 8054, 8060, 8065(o), 8070, 807I(o), 8073, 8590, 8592, II384, I2064, I2I60, I2604, I2607, I2609
pectinata (Gunn.) Kjellm. 760I, 7606, 8054, 8056, 8064, 8275, 8279, 8284, 9I24, 9406, II782, II96I, I2604, I2606-I2609, I3633, I3708
- f. litoralis Kjellm. 7636, I2609, I3633
- f. pectinata I2609

plumosa (L.) Ag. 7601, 7606, 7765, 7766, 8064, 8275, 8279, 8284, 8550, 8551, 9124, 9152, 9406, 11780, 11782, 11833, 12907, 13032, 13034, 13708
Ptychodiscus Stein
sp. sp. 12597
inflatus Pav. 12223, 12228
Pugetia Kylin
palmatifolia Tokida 8054
Pulvinularia Borzi
sp. sp. 13518
suecica Borzi 9580, 13510, 13519, 13525
Punctaria Grun.
sp. sp. 12664, 13720
chartacea Setch. et Gardn. 7636, 8054
glacialis Rosenv. 9175
latifolia Grev. 8051, 8054, 8590, 8592, 9406, 11384, 12664, 12751, 13633
lobata (Saund.) Setch. et Gardn. 12664
plantaginea (Roth) Grev. 7636, 8054, 8071(o), 8279, 8550, 12607
rubescens (Lyngb.) J.Ag. 8054
Pustularia Vologd.
taeniata Vologd. 8112
vetusta Vologd. 8112
Pyramidomonas Stein
sp. sp. 9214, 9959, 10646, 11605-11606
adriatica Schill. 8763, 9220
oltmannsii Schill. 8763
tetrarrhynchus Schmarda 12175
Pyrobotrys Arnoldi
sp. sp. 10043(o,p)
gracilis Korsch. 8001, 8038, 9294, 9296, 9581, 9801, 10644, 11828, 13747
Pyrocystis W.Thom.
sp. sp. 7959, 9140, 10015, 10016, 12596
acuta Kof. 9138
elegans Pav. 7061, 12153, 12223, 12597, 12669
fusiformis (W.Thom.) Mur. 9137, 9138, 9141, 9221, 9965, 10092, 10119, 12153, 12223, 12224, 12231, 12444, 12594, 12596-12599, 12669, 13388
- f. biconica Kof. 12669
gerbautii Pav. 12223
hamulus Cl. 7061, 9138, 9141, 9965, 12153, 12223, 12594, 12597, 12669
- f. inaequalis Schröd. 12223
- var. semicircularis Schröd. 12597
lanceolata Schröd. 9141, 12153, 12223, 12597, 12669
lunula Schütt 7061, 7956, 8763, 9220, 9221, 9965, 10014, 10888, 10892, 12019, 12153, 12223, 12444, 12669
minima Matz. 12223
obtusa Pav. 12153, 12223, 12597
pseudonoctiluca (W.Thom.) Schill. 7590, 8318, 9137-9139, 9141, 9221, 9375, 9598, 9604, 9965, 9966, 10092, 10119, 10573, 12019, 12153, 12223, 12224, 12228, 12230, 12231, 12444, 12594-12599, 12699, 13675
rhomboides Matz. 9141

robusta Kof. 9138, 9141, 10014, 12669
Pyrophacus Stein
sp. sp. 7061, 7063, 11834
horologicum Stein 7061, 7063, 8763, 9124, 9138, 9141, 9220, 9221, 9965, 11401, 11537, 12153, 12223, 12224, 12228, 12231, 12597, 12669
- var. steinii Schill. 9221, 11537
Pyxidicula Ehr.
sp. sp. 9941
cruciata Ehr. 8149, 8364(p), 11334
weyprechtii Grun. 8365, 9952
Pyxidiella Cook. et Eis.
pandora Cook. et Eis. 8048-8049(o,p)
Pyxilla Grev.
sp. sp. 7530, 7829, 8364, 8365, 8738, 8781, 9711, 10384, 10978, 12531, 12534, 12536, 13064(p), 13171, 13369
antarctica Jousé 9000
ascidiiformis Jousé 7824, 7826, 11311
asiatica Jousé 8364, 11334
caput-avis Temp. et Forti 8981, 9000
- var. gracilis Forti 9000
cornuta Pant. 8365
cretacea Jousé 7502, 7824, 8218, 9952(p), 10946, 11311, 12529
gracilis Temp. et Forti 7130, 7492, 7497, 7502, 7699, 7822, 7824, 7826, 7975, 8110, 8149, 8355, 8364(p), 8365, 8370, 8451, 8743, 9952(p), 10579, 10939, 11067, 11311, 11334, 12039, 13171, 13216, 13367, 13369, 13707
- var. saratoviana (Pant.) Temp. et Forti 10683, 13369
johnsoniana Grev. 8370, 9000, 13369
- var. intermedia Temp. et Forti 8365
oligocaenica Jousé 7287, 7822, 7824, 7826, 7827, 7829, 8110, 8149, 8364, 9000, 9952(p), 10579, 11311, 12039, 13171, 13216, 13367, 13369, 13707
- var. oligocaenica 8364(p), 11334
- var. tenuis Jousé 7699, 7826, 7829, 8355, 8364, 8365, 9952(p), 10939, 11334, 13369
scutula Krotov 9952(p)
speciosa (Schulz) Streln. 12529, 12535(o,p), 12536
- f. aculeolata Streln. 8219, 12534, 12535(o,p), 12536
- f. ellipsoidea Streln. 12535(o,p)
- f. porata Streln. 8219, 12534, 12535(o,p), 12536
- f. speciosa 8219, 12534, 12535(o,p), 12536
Quasiumbella Pojarkov
globula (Reitl.) Pojarkov 11723(o,p)
nana (Reitl.) Pojarkov 11722, 11723(o,p)
rotunda (E.Byk.) Pojarkov 11722, 11723(o,p)
Raciborskiella Wisl.
uroglenoides Swir. 8700, 11451, 12327, 13009
Radiina
sp. sp. 13232(p), 13233
graciosa Reitl. 13236, 13237
Radiococcus Schmidle
sp. sp. 9959
nimbatus (De Wild.) Schmidle 10218
wildemannii Schmidle 9289

Radiopalma Brun
dichotoma Brun I0978
Radiosphaera Snow
sp. sp. 7438
Radiosus Z.Zhur.
sp. sp. I0572
sphaericus Z.Zhur. I25I3
Ralfsia Berk.
sp. sp. I2406
clavata (Carm.) Farl. 9I24
deusta (Ag.) J.Ag. 8279
fungiformis (Gunn.) Setch. et Gardn. 76I3, 7636, 7942, 8054, 8058, 8065(o), 8073, II378, I2607
verrucosa (Aresch.) J.Ag. 8899, 890I, 9406, 9420, 942I, I0929, II409(o), II4I2
Raphidiopsis Fritsch et Rich
sp. sp. I0027, I35I8
indica Singh I003I
mediterranea Skuja 9289, 965I, I2I22, I35I4, I3535
turcomanica Kog. 9656, 9658(o,p), 9659(o,p), 9666, 9667, I2090, I2092, I2093
Raphidium Kütz.
sp. sp. I37I7
Raphidodinium Defl.
furcatum Defl. 8048-8049(o,p)
Raphidonema Lagerh.
sp. sp. I2075, I3705
longiseta Visch. 7962, 800I, 8038, 9687, 9694, 99II, 99I2, I0008, I0365, I0366, I3246, I3249
nivale Lagerh. I3652(p)
pyrenoidiferum Korsch. 9687, I28I3
sempervirens Chod. 7589, I0262, I0878, I2248, I2249, I2483
spirotaenia (G.S.West) Korsch. 7082, 7303, 9687, I0008
tatrae Kol. I3652(p)
Raskyella L. et N. Gramb.
caellata var. baccata Reid et Groves 7789
crassaformis Demin et Chrustalev 8757(o,p)
orechovae Demin et Chrustalev 8757(o,p)
peckii L. et N. Gramb. 7789
tasnadii Rasky 7789
vadaszii Rasky 7789
Rattrayella De Toni
californica Hanna 8365, 8370
camaruensis (Grun.) De Toni 8365, 8368(o,p), 8370
Razumovskia Vologd.
sp. sp. 7I53, 7788, 8607, 8609, 935I, 9822, 9828, 9833, I0537, II868, I3I82, I3596-I3597, I3700
grandis Korde 982I(o,p), 9833
hispida Korde 9833
kiyanica Korde 9833
multispora Korde 9833
seriata Korde 9833
uralica Vologd. 790I, 7788, 9833, I25I3
Rectangulina Antr.
sp. sp. 7268, I3233

tortuosa Antr. 7268-7270
Recteradiatus Schamr.
acuminatus Schamr. 8472, I3298(p), I3300(p)
corniger Schamr. et Laz. I3297(o,p), I3474
cuspidatus Schamr. I3298(p)
dissectus Schamr. I3298(p)
expansus Schamr. I3298(p)
gladiatus Schamr. I3297(o,p), I3474
rectilineus Tschel. I3300(p)
Reinschia Bertr. et Renault
sp. sp. 8329, I02I7
Renalcis Vologd.
sp. sp. 7788, 8096, 8607, 8609, 8947, 8948, 90I5, 9467, 9697, 9823, 9828, I0534, I0537, I0758, III27, II3I2, II3I3, II868, II960, I2223, I2233, I2752, I2753, I2755, I3094, I323I, I3233, I3237(p), I3596-I3597, I3700
belorussicus Narozhnych 7579(o,p)
cibus Vologd. 7788, I2526, I2753
compositus Korde 9833, I2753
conchaeformis Titor. 9697, I2753
densus Titor. I2753
devonicus J.H.Johns. I2753, I3236
discus Titor. 7I08
elegans Titor. 9697, I2752, I2753
erbinatus Korde 9833, I2753
figuratus Titor. I2753
flabelliformis Antr. I2753
gelatinosus Korde 8609, 90I6, 9697, 982I(o,p), 9822(p), 9833, III27, I2223, I2233, I2753, I3596-I3597
granosus Vologd. 7I53, 7788, 8096, 9207, 935I, 9697, 982I(o,p), 9822, 9833, I2223, I2233, I2255, I2526, I2753, I3236
- var. plenus Titor. 9697, I2752
granulatus Korde I2753
halysiteformis Vologd. 790I
inanis Titor. 9697
jacuticus Korde 8609, 9697, 982I(o,p), 9822(p), 9833, II3I4, I25I3, I2752, I2753, I3596-I3597
lenaicus Titor. 9697, I2753
nubiformis Antr. I2753
pectunculus Korde 8096, 982I(o,p), I2753, I3596-I3597
plenus Titor. I2753
polymorphus Masl. 7I08, 9467, 9697, I04I6(o,p), II3I4, II849, II85I, I2752, I2753
- var. figuratus Titor. 9697, II3I4, I2752
pseudoradiatus Titor. 7I08, 9697, I2752, I2753
seriatus Korde 7I08, 9697, 982I(o,p), 9833, II3I4, I2753, I3596-I3597
textularites Titor. 9697, I2752, I2753
triangularis Titor. I2752
triangulaspis Titor. I2753
tuberculatus Korde 9833, I2753
Rhabdochara Mädler
czuensis V.Nikolsk. II097(o,p)
kujalnicensis (Step.) Masl. 8374, I0602(o,p)

Rhabdoderma Schmidle et Laut.
sp. sp. 8038
compositum (G.Sm.) Fedor. I294I(o,p)
irregulare (Naum.) Geitl. I0026, I35I8
lineare Schmidle et Laut. 7627, 8035, 8038, 9580, 980I, I0026, I0028(o), I003I, I0080, I0I3I, I0220, I0822, II537, I2I75(o,p), I2327, I2800, I2932, I2940, I3009-I30II, I3373, I3590, I3642, I3747
- f. compositum (G.Sm.) Hollerb. I2935, I2936
- f. lineare I2946(o)
- var. spirale Wołosz. 980I
- f. spirale (Wołosz.) Hollerb. 7802, 7805, 800I, 8038
- f. unicellulare Hollerb. I3373
vermiculare Fedor. I2948(o,p)
Rhabdolithina Reinh.
angusta Str. I0434
Rhabdolithus Kampt. ex Defl.
sp. sp. 7825(p), I29I8(p)
acicularis Schamr. I3297(o,p)
mencmierzii Górka I3297(o,p)
Rhabdomonas Fres.
costata (Korsch.) Pringsh. 7307, 7309, 73II, 73I3, 73I5(o,p), 73I7, 7326, 7327(o,p), II670
incurva Fres. 7307, 73I4, 73I5(o), 73I6, 73I7, 7326, 7332, II670
Rhabdonema Kütz.
sp. sp. 7096, 7287, 7685, 8529, 922I, 9572, I0I02, I0I98, I0330, II034, I2584, I3I63-I3I65, I3I7I, I3706
adriaticum Kütz. 7932, 8254, 8527, 898I, 9220, 93II, 93I2, 957I, 9972, I0I45, I0226, I0496, I0772, I0803, II008, II085, II35I, II4I7, II537, II696(o,p), I2I40, I3363, I3724
arcuatum (Lyngb.) Kütz. 7054, 749I, 7494, 7530, 753I, 7597, 7868, 7869, 7973, 7975, 8I82, 8266, 8737, 8738, 8780, 878I, 8972, 898I, 8992, 9029, 9357, 9747, I0I02, I0I98, I037I, I0384(p), I0388, I039I, II168, II3II, II408, II994, II997, I2899, I2956, I3I60-I3I62, I3I7I, I3206, I3353, I3495, I3645, I3706, I3724
- var. arcuatum 7054, 8687, 8690, 869I, I0468
- f. constrictum Fricke 878I
- f. contractum Fricke I3706
- var. minutum Kütz. 9029
- var. robustum (Grun.) Hust. 898I
- var. ventricosum Cl. 8737, 8738, 8977(p), 898I, 8982, 8995, 9002, I037I, I3I60, I3353
elegans Temp. et Brun 972I(p)
japonicum Temp. et Brun 7287, 898I(p), I04I4, I3I62, I3353
- var. japonicum 972I
- var. rectum Temp. et Brun 972I, I3353
minutum Kütz. 7597, 7973, 8738, 878I, 898I, I0I02, I0I98, I0384, I04I7, II9I0, I2004, I3I62, I3645, I3706
- var. sulcatum Fricke 8738
torellii Cl. I3I62
valdelatum Brun 898I
Rhabdoporella Stoll.
sp. sp. 7268, 7270, 9823, 9824, 9833
melekessensis Kul. 7267-7269

Rhabdosphaera Häck.
sp. sp. 75I2, 7976(o,p), 8760, 96I9, I2I53, I2892, I292I(p), I3473
clavigera Mur. et Black. I0888, I2I53, I292I(p), I2922
crebra (Defl.) Braml. et Sull. 8I49
elliptica Veksch. 7824
formosa Ljuljewa 8785
hirsuta Defl. 8785
hispida Lohm. 8763, 9220, I2I53
inflata Braml. et Sull. 8I49
longistylis Schill. 92I5, 9220, 9232
morionum Braml. et Sull. 8I49
nigra (Schill.) Kampt. 8763
signatoria Bona 8785
stylifera Lohm. 8763, 9220, I0888, I2I52, I2I53
tignifera Schill. 8762, 8763
tubulosa Schill. 8763, 92I5, 9220, I2I53
vitrea (Defl.) Braml. et Sull. I3474
Rhabdosphaerites Masl.
sp. sp. I3473
Rhaphoneis Ehr.
sp. sp. 8254, I04I4, I0939, II083, II3II, I3353
amphiceros Ehr. 8I49, 8293, 8364(p), 8365, 8738, 898I, 93I2, I037I, I0384(p), I0388, I039I, I04I4, I0982
- var. amphiceros 8370
- var. praefaba Gles. 8370
- var. rhombica Grun. I0384(o,p)
angustata Pant. 972I
belgica Grun. I037I
elliptica Jousé 9952, II696(o,p)
fuchsii Pant. 9952
lancettula Grun. 8370
- var. jutlandica Grun. 9952(p), II334, I2039
- var. lancettula II334
maeotica (Milov.) Sheshuk. et Gles. 8254, 9720, I0I02, I3363(o,p)
nitida (Greg.) Grun. I0388, I039I
perspicua Sheshuk. I3353
pinnularia Brun 898I
simbirskiana Grun. et Pant. I037I, I0939, II334
surirella (Ehr.) Grun. 749I, 7494, 7497, 7530, 753I, 8I48, 8293, 8738, 8972, 898I(p), 9002, 9029, 9353, 97II, 972I, I037I, I0384(p), I0388, I0389, I039I, I0939, I3706
Rhizoclonium Kütz.
sp. sp. 7II7, 7376, 75II, 7577, 760I, 77I4, 8633-8635, 89I9, 9755, I0II0, I0729, I0920, II423, II448, I2934, I2937
fontanum Kütz. 9884
hieroglyphicum Kütz. 7I85-7I87, 7560, 7704, 7844-7846, 8038, 8570, 8777, 8859, 9364, 9580, 9666, 9884, 9946-9948, I0080, I0393, I0644, I072I, I0728, I0752, I09I8, III80, II534, II733, I23I8, I2650, I2664, I2938, I2939, I2945, I2950, I3269, I3673
implexum (Dillw.) Kütz. 7940(o), 7942, 8899, 9030(o), 903I, 9033(o,p), I0563(o), II378, II572
kerneri Stock. 8899, II579
kochianum Kütz. 9II8, 9I23, 9245, I0222

lapponicum Pasch. 7779, I2239
pachydermum Kjellm. 8550, 9I54
rigidum Gobi 9406
riparium (Roth) Harv. 8550, 9I24, I0II0, I0563(o), II378, II442, I3687
- f. validum Foslie I3633, I3634
tortuosum (Dillw.) Kütz. 76I2, 76I3, 8054, 8064, 8070, 9406, II383(o), I2604, I2607, I2664, I29I7, I3708

Rhizosolenia Ehr.
sp. sp. 7062, 74I4, 75I2, 75I4, 7633, 7670, 7827, 8082, 8254, 8266, 8387, 8422, 8488, 8530, 8696, 8699, 8760, 88I3, 8974, 898I, 8993(p), 9084, 922I, 95II, 9624, 97I3, 972I, 9824, 9873, 9874, 9902, 9959, I0279, I0392, I04I7, I0573, I0574, I0747, I0749, I0756, I0978-I098I, II034, II205, II277, II334, II96I, II968, I2007, I2078, I2079, I2I52, I2I53, I2223, I2399, I2489, I2594-I2597, I2669, I3I02, I3249, I3353, I3388, I3488, I3576, I3627, I3629, I3706
acuminata (Perag.) Gran. 7536, 8763, 9220, 922I, 9965, I2I53, I2223, I2228, I2597, I2669
aequatorialis 7063
alata Bright. 706I, 7063, 7354, 7355, 74I5, 74I6, 7424, 75I7, 7530, 753I, 7534(o), 7536, 7953-7955, 7957, 7958, 8387, 8759, 8763, 898I, 9000, 9002, 9I24, 9I4I, 92II, 9220-9223, 9227, 9229, 9432, 9598, 9604, 96I9, 9703, 9704, 9705(p), 97II-97I3, 97I6, 9783, 9785, 9965, 9995, I00I4, I0II9, I02I3, I0473, I0673, I0772, I084I, I0886-I0892, I0976, II537, II997, I20I9, I2078-I2080, I2I53, I2222, I2223, I2228, I2444, I2597, I2599, I26I5, I2669, I286I, I2892, I3002, I3028, I3249, I3649
- var. alata I2004
- f. alata I0757
- f. corpulenta 7952
- var. curvirostris Gran III26
- f. curvirostris Gran 82II, 898I, 899I, I00I7(o,p), I2I52, I2I53
- f. fossilis 97I3
- f. genuina Gran 7950
- f. gracillima (Cl.) Grun. 7950, 7952, 7956, 82II, 898I, 922I, 9994, I00I7(c), I0092, I2I53, I26I5
- f. indica (Perag.) Ostf. 922I, 9994, I00I5, I00I6
- f. inermis (Castr.) Hust. 9703, 9705, I2I52, I2892
bergonii H.Perag. 706I, 753I, 7532, 7534(o), 7536, 8979, 898I, 8982, 8990, 899I, 8994, 8999, 9002(p), 9I24, 9I38, 9I4I, 922I, 9704, 9708, 97II(p), 97I3(p), 97I6, 9965, I0976(p), I0978, I0980-I098I, I0982(p), I0983, II980, I2079, I2I52, I2I53, I2222, I2223, I2228, I223I, I2597, I2669, I2705, I3028, I3049
- f. fossilis 97I3
bidens Heid. 9432, 9598
calcar-avis Schultze 706I, 7063, 7I68, 727I, 7348-7355, 75I7, 753I, 7534(o), 7536, 7596, 7654, 7908, 792I, 7925, 7927-7929, 793I, 7933, 7934, 7956, 7995, 8292, 8320, 8738, 8763, 8765, 898I, 8994, 9085, 9I24, 9I29, 9I3I, 9I32, 9I38, 9I4I, 92II, 9220, 922I, 9223, 9227, 9229, 9230, 9232, 9458, 96I9, 9623, 97II, 97I2, 97I6, 9783, 9785, 9787, 9789, 9793, 9896,

9965, 9995, I009I, I0092, I0206, I02I3, I0225, I0272, I0277-I028I, I0283, I0462(o,p), I0463, I0469, I0473, I0475, I0673, I0803, I084I, I0846, I0865, I0960, II068, III4I, II234, II235, II40I-II403, II536, II537, II805(p), II8I5, II834, II9I0, I20I9, I208I, I2I30, I22I4, I2223, I2228, I2597, I2598, I2669, I286I, I29I7, I3248-I3250, I3576, I36I6, I36I8, I3649, I3725
castracanei H.Perag. 706I, 7063, 7534(o), 7536, 9I38, 9I4I, 922I, 9604, 9965, I00I4, I00I7(o,p), I0888, I0892, I2I53, I22I4, I2223, I2228, I223I, I2444, I2597, I2599, I2669
curvata Zach. 9704, I0II9, I0I20, I3028
curvirostris Jousé 749I, 7497, 8977(p), 898I(p), 8982, 899I, 8993(o,p), 8994, 8995(p), 990I, I0976
- var. inermis 8995(p)
cylindrus Cl. 7536, 7956, 9I4I, I2078, I2079, I2I52, I2I53, I2223, I2669
delicatula Cl. 706I, 7534, 7536, 7956, 9I37, 9I42, 9220, I0886, I0888, I2I53, I2444
eriensis H.L.Sm. 8473, 9020, I0008, II866, II88I, I3246, I3249, I3526, I3668
- var. eriensis 869I, 8700, 9932, 9938, II45I, II455, II694
- subsp. morsa W. et G.S.West I234I
- var. morsa W. et G.S.West 8038, 8473, 8686, 8687, 869I, 8700, 9932, II45I, II452, II455, I3246
extensa I0II9
faeroënsis Ostf. 7952, 7954, 7956, 9I24, I089I, I2I53
firma Karst. 7532, 7534, 9002(p), 97II(p), I2228
fragilissima Bergon 706I, 7063, 7348, 7350, 7354, 7355, 792I, 7950, 7952, 7954, 82II, 8763, 9I24, 92II, 9220, 9222, 9223, 9229, 96I9, 9787, 9788, I00I7(o), I0279, I0280, I0463, I0469, I0473, I0673, I0803, I0889, I089I, I0892, II537, I2004, I20I9, I2078-I2080, I2I53, I2223, I286I
hebetata (Bail.) Gran 7063, 74I6, 749I, 7530, 7927, 7928, 7950, 7972, 8293, 8365, 8784, 8976(p), 8979, 898I(p), 8982, 8994, 8995, 9002(p), 9I24, 922I, 9604, 9705, 97II, 97I5, 97I6, 972I, 990I, I0092, I0744, I0976, II658, II979, II980, II994, II997, I20I9, I2I50, I2444, I2597, I2669, I3649
- f. bicornuta Jousé 8979
- f. bidens Heid. et Kolbe 8977(p), 898I(p), 9000, 9002, 9703, 97II, 97I6, I3649
- var. hiemalis Gran 9353
- f. hiemalis Gran 753I, 7532, 7950, 7954, 898I, 8995, 8999, 9I24, 97I5, I00I7(o), I0757, I0886, I0888, I0892, I289I, I2892, I3353
- f. semispina (Hensen) Gran 7929, 7950, 7952, 7954-7956, 82II, 8387, 8763, 9000, 9I38, 922I, 9228, 9432, 9703, 9705(p), 97II, 9965, I00I3, I00I4, I0757, I0886-I0892, I2004, I2006, I2I52, I2I53, I2222, I2892
imbricata Bright. 706I, 7063, 7536, 8082, 9I4I, I0II9, I20I9, I2079, I2I53, I2223, I2228, I2597
- var. shrubsolei (Cl.) Schröd. 8763, 922I
- f. shrubsolei (Cl.) Schröd. 9704
inflata I3028
longiseta Zach. 7507, 8I97, 8473, 8686, 8687, 869I, 90I8(o), 90I9-902I, 9932, 9938, I0008, I0080, I0082, I02I8, I0220,

II336, II451, II452, II693-II695, II866, II881, II931, II932, II935, I2710, I3010, I3014, I3535, I3668
- var. longiseta 8700, II455
minima Lev. I2710, I3645
mirabilis I0978
obtusa Hensen I0892
praebergonii Muhina 8991, 8994, 8997, 9710, 9713(p), I0976, I0977(o,p), I0978, I0980-I0981, I0982(p), I0983
robusta Norm. 7063, 7534(o), 7536, 7954, 9138, 9141, 9221, 9965, I0092, I0888, I0892, I2019
semispina Hensen 9124, I3645
setigera Bright. 7061, 7063, 7950, 7954, 7956, 8211, 8738, 8981(p), 8993(p), 9002(p), 9141, 9221, 9598, 9703, 9747, 9965, I0017(o), I0888, I2004, I2019, I2444
- var. arctica I.Kiss. I2892, I2956, I3706
shrubsolii Cl. 7952, 7956, 9124
simplex Karst. 9000, 9703, 9705(p), 9716, I0332, I3649
stagnalis Zach. 8473
stolterfothii H.Perag. 7061, 7063, 7536, 7950, 7952, 7954, 7956, 8211, 8763, 8981, 9137, 9138, 9140-9142, 9221, I0865, I0888, I0889, I0960, I2019, I2078-I2080, I2153, I2214, I2222, I2223, I2228, I2444, I2597, I2599
styliformis Bright. 7530, 7531, 7534(o), 7536, 7950-7552, 7954-7957, 8211, 8212, 8387, 8598, 8762, 8976(p), 8981(p), 8982, 8994, 8995, 9000, 9002(p), 9124, 9141, 9221, 9432, 9703, 9711, 9713, 9965, I0013, I0014, I0017(o), I0757, I0886-I0892, I0976, I0978, I0982, I1168, I1997, I2004, I2079, I2153, I2223, I2597, I2669, I2891, I2892, I3478
- var. latissima Bright. 8979, 9002(p), I2074
- var. polydactyla Castr. I3028
Rhodochorton Näg.
sp. sp. 8064
penicilliforme (Kjellm.) Rosenv. 7606, 7610, 7942, 8054, 8055(o)
purpureum (Lightf.) Rosenv. 7606, 7942, 9406, 9418, 9421, I0110, I1379, I2907
Rhododermis P. et H. Crouan ex J. Ag.
georgii (Batt.) Coll. 8054
Rhodoglossum J.Ag.
sp. sp. I0483
japonicum Mikami 7636, 8071(o), I1381(o,p), I3633
phyllocarpum (Post. et Rupr.) A.Zin. 8060, 8070, 8073, 9158(o,p), I1381(o,p), I2064
pulchrum (Kutz.) Setch. et Gardn. 8054, I2607, I2608
Rhodomela Ag.
sp. sp. 8051, 8054, 8058, 8059, I1377, I3403, I3720
floccosa (Esp.) Falkenb. 8070
larix (Turn.) Ag. 7612-7614, 7636, 8052, 8054, 8060, 8070, 8073, 8406, 8591, 8592, 9124, I1382(o,p), I1384, I1961, I2604, I2606, I2607, I2609, I2664, I3029, I3633
- subsp. aculeata Perst. I1382(o,p)
- subsp. larix I1382(o,p)
lycopodioides (L.) Ag. 7601, 7604, 7606, 7608, 7611, 7942, 8054, 8070, 8073, 8279, 8550, 9124, I0110, I1379
- f. tenuissima (Rupr.) Kjellm. 8060
macracantha (Kütz.) Setch. 7636, 8054

subfusca (Wood.) Ag. 7601, 8052, 8054, 8279, 9124, 9384, 9406, I0110, I2604, I2607, I3687
tenuissima (Rupr.) Kjellm. 9169, 9175
Rhodomonas Karst.
sp. sp. I1537, I2411
baltica Karst. 9220, 9374, I0204, I0205
pusilla (Bachm.) Jav. I0876, I0878
Rhodophyllis Kütz.
sp. sp. 9124
capillaris Tokida 7616(o), 7636, 7786(o,p), 8054, I2607
dichotoma (Lepech.) Gobi 7601, 7613, 7768, 8054, 8070, 8275, 8279, 9406, I2604
Rhodophysema Batt.
georgii var. fucicola (Tokida) Perest. I1383(o)
Rhodosorus Geitl.
sp. sp. I0550
marinus Geitl. 8570
Rhodymenia Grev.
sp. sp. 7685, 8059, I1377, I1385, I2664, I3031, I3403, I3633
moniliformis E.Blin. et A.Zin. 7612, 7613, 7617(o,p), 8070
ochotensis (Nagai) A.Zin. 7613, 8065(o), 8070
palmata (L.) Grev. 7118(p), 7422, 7427, 7429, 7430, 7449, 7601, 7606, 7608, 7611, 7615, 7636, 7744, 7766, 7768, 7942, 8051, 8054, 8064, 8073, 8275, 8279, 8550, 8551, 8591, 8592, 9124, 9154, 9169(p), 9179, 9406, I0110, I1379, I1384, I1590, I1605-I1606, I1782, I1880, I2062, I2064, I2239, I2240, I2604, I2604, I2606, I2607, I2664, I2907, I3032, I3034-I3036, I3043, I3045, I3686(p), I3708
- f. angustifolia Kjellm. 8278
- f. murmanica A.Zin. 8278
- f. prolifera (Kütz.) Kjellm. 8278
- var. sarniensis (Mert.) Grev. I3633
- f. sobolifera (Fl. Dan.) J.Ag. 8278
pertusa (Post. et Rupr.) J.Ag. 7636, 8054, 8070, 8406, 8590, 8592, I2064, I2604, I2605, I2607, I2609, I3633
- f. stipitata Kylin 7613
stipitata Kylin 7636, I2607, I2609
Rhoiconeis De Toni
bolleana Grun. I1064
Rhoicosphenia Grun.
sp. sp. 7438, 7684, 7685, 9085, I0104, I0414, I1688, I1739, I3206, I3706
curvata (Kütz.) Grun. 7054, 7103, 7135, 7142, 7164, 7181-7184, 7186-7188, 7349, 7351, 7353, 7354, 7507, 7530, 7531, 7621, 7973, 7983, 7984, 7992, 8001, 8038, 8144, 8259, 8266, 8309, 8311, 8521, 8559, 8604, 8781, 8859, 8912-8915, 8917, 8922, 8981, 9053, 9057, 9059, 9060, 9204, 9220, 9242, 9292, 9297, 9340, 9357, 9360, 9444, 9445, 9456, 9458, 9463, 9512, 9643, 9649, 9717, 9721, 9749(o), 9801, 9959, I0077, I0079, I0080, I0082, I0087, I0099, I0169, I0218, I0220, I0241, I0242, I0244-I0246, I0248, I0393, I0548, I0646, I0905, I0955, I0956, I1183, I1223, I1229, I1336, I1452, I1537, I1578, I1579, I1625, I1688, I1694, I1695, I1866, I1910, I2054, I2320, I2341, I2369, I2393, I2420, I2645, I2680, I2710, I2926, I2936-I2938, I3008, I3011, I3013, I3014, I3027,

I3246, I3249, I3267, I3269, I3287, I3354, I3373, I3499, I3503, I3504, I35II, I35I7(o), I35I9, I3523, I356I, I3562, I3583, I363I, I3640, I3645, I3656, I3668, I3679, I3689, I3706, I3756(o,p)
- var. curvata 8423, 8685, 869I, 8700(p), 9457(p), 9459, I0247, III94(o), II45I, II455, I2650, I2939, I327I, I3272, I3274, I3283, I3294
- var. fracta Schum. 9959
- var. marina Grun. 9029, II083, II085
linearis Östr. I3645
marina (W.Sm.) M.Schm. 898I, I04I7, I27I0, I3706
vanheurckii Grun. 980I
Rhombodinium Gocht.
sp. sp. I0579, III55
draco Gocht. 7863, 8048-8049(o,p), I32II
glabrum f. crassitheca Vozzhen. 8538
oravense Grigor. 8538
rhomboideum Alb. 8538
Rhopalocystis Schussnig
sp. sp. I220I
Rhopalodia O.Müll.
sp. sp. 7287, 7492, 7506, 783I, 8908, 8988, 9I06, I0246, I0388, I0549, I0939, II933, I2939, I327I, I3736
gibba (Ehr.) O.Müll. 7054, 7I32, 7I39, 7I8I, 7I84, 7287, 753I, 7588, 7973, 7983, 800I, 8038, 8I44, 830I, 8304, 8309, 852I, 8737, 878I, 8784, 8896, 89I3, 89I4, 8922, 8942, 8976, 898I, 90I9, 902I, 9024, 9057, 9220, 9242, 9292, 9360, 9362, 944I, 9568, 9648, 9649, 9666, 9694, 9748(o), 9749(o), 975I, 980I, I0047, I0099, I0I02, I0202, I024I, I0242, I0379, I0380, I0548, I0646, I0798, I0939, I0955, I0956, I0959, I0975, III90(o), II223, II529, II695, II866, II930-II932, I2095, I2I22, I2247, I2320, I2936, I2938, I30I4, I3I68, I3I97, I320I, I3246, I3352, I3354, I35I7(o), I3522, I3524, I3668, I3679, I3746, I3747, I3756(o,p), I3758(o), I3759(o)
- var. gibba 8423, 8700(p), 9444, 9457, 972I, I0008, I02I8, I0220, I0247, I0248, III28, III84, III94(o), I27I0, I327I, I3283
- f. gibba II694
- var. mongolica Östr. I35I7(o), I3524, I3756(o,p)
- var. ventricosa (Ehr.) Grun. 7054, 7I39, 7I42, 7I85, 7I87, 7I88, 7530, 7973, 8038, 8207, 8422, 8423, 8700, 8737, 9057, 9059, 9220, 9292, 9444, 9456, 9457, 9459, 9463, 9694, 972I, 980I, I0047, I0I69, I02I8, I0220, I024I, I0248, I0548, I0646, I0959, I0975, III90(o), II223, II866, II930, I2320, I234I, I27I0, I2937, I2938, I3008, I30II-I30I4, I3I68, I3246, I3283, I35I7(o), I3522, I3524, I3583, I3668, I3758(o)
- f. ventricosa (Ehr.) Grun. II694
gibberula (Ehr.) O.Müll. 8254, 8737, 8738, 9220, 9357, 9649, 9694, 980I, 9972, I0379, I0380, I0646, II085, II57I, II579, II694, I3269, I3504, I35I7(o), I3522, I3668(p), I3679
- var. gibberula 8423, 9444, 9457, III84, III94(o), I3283
- var. protracta Grun. I0468
- var. vanheurckii O.Müll. 9444, I35I7(o)
musculus (Kütz.) O.Müll. 7I30, 7I32, 7I37, 7I50, 8034, 8038, 8254, 8527, 878I, 897I, 9060, 9220, 9242, 93I2, 9357, 9445,

9649, 9972, I0I53, I020I, I02I8, I0220, I0939, II279, II537, II57I, II579, I2938, I3I7I, I3269, I3353, I3495, I35I7(o), I3668, I375I
- var. mirabilis Fricke 7054, 7058, 7973, 8038, 8I82, 852I, 8690, 9298, 9444, 9649, I0I02, I07I5, II579, I2938, I3294, I35I7(o), I3583, I3706, I375I
- var. musculus 9444, 9457, 9459, I3283
- var. succincta (Bréb.) Perag. 9456-9459, 9463
parallela (Grun.) O.Müll. 7530, 753I, 7973, 8038, 9298, 9444, 975I, I0548, I0939, I0956, III90(o), III94(o), II694, II695, II930, I2645, I2649(o), I2650, I2936, I3I7I, I327I, I3283, I3354, I35I7(o), I3668
ventricosa (Grun.) O.Müll. 8266, 9959, I3008
vermicularis O.Müll. I0I02
Rhopalosolen Fott
sebestyenae Fott 8800, 880I
Rhynchodiniopsis Defl.
aptiana Defl. 8048-8049(o,p), I3567(p)
Rhyniella Croft et George
sp. sp. 9833
vermiformis Croft et George 9472
Richelia J.Schm.
intracellularis J.Schm. 9220, 9965, I00I5, I00I6
Richteriella Lemm.
sp. sp. 747I, 7764, 9257
botryoides (Schmidle) Lemm. 7732, I02I8, I3373, I3594-I3595, I3689, I3736
Riedelia Jousé et Sheshuk.
sp. sp. 8990, 8994, 9002, I0982, I3362
Rivularia Ag. ex Born. et Flah.
sp. sp. 7080, 725I, 3259, 830I, 8473, 9024, 9I08, 9II0, 9552, 9554, 9557, 9694, 9876-9878, II420, II42I, II423, II583, II898, I2I75, I2406, I35I9, I3736
aquatica (De Wild.) Geitl. 7645, 7704, 7705, 8942, 9298, 9689, 9755, I0026, I0I53, III90(o), II866, I248I(o), I35I9, I3687
atra Roth 9I24
beccariana (De Not.) Born. et Flah. I0026
biasolettiana Menegh. 7380
borealis P.Richt. 9263, I0026, I258I
braunii Born. et Flah. 8038
bullata (Poir.) Berk. 8899
calcarata (Woronich.) V.Poljansk. I0026
- f. bistrata Kukk I0026
coadunata (Sommerf.) Poslie 7802, 8303, I0026, I0080, I2090-I2092, I2094, I3522, I3687
- f. pseudogypsophila V.Poljansk. I0026, I35I8, I3687
dura Roth 7983, 8904, 8907, 975I, I0026, I0243
fluitans Cohn 9250
globiceps G.S.West I3736
haematites (DC) Ag. 8303, 9765(p), 9768, I0026, I35I7, I3522
natans (Hedw.) Welwitsch 7380
nitida Ag. I3633
planctonica Elenk. 7802, 875I, 9292, 9499, 9672, 9749(o), I0646, I0959, I2579, I3642

Rivularialithus Masl.
sp. sp. 9833
sarmaticus Masl. I0584(o,p)
Romeria Koczw.
elegans (Wołosz.) Koczw. 9580, 980I, II866, I3274
gracilis Koczw. 980I, I0366, I0878, II184, II866, I2383, I248I(o), I3009, I30I0, I3246, I3274, I3287, I3747
leopoliensis (Racib.) Koczw. 9340, I3246, I3247, I3250, I3274, I3279, I3287, I3294
salina Sadykov I2090-I2092
Roperia Grun. ex Pellet.
lineata Kozlova f. lineata 97I0, 97I3
ovata Mann I0982(p)
tesselata (Roper.) Grun. 7532, 7534(o,p), 7536, 898I(p), 8990, 8994, 8999, 9704, 97II, 97I3(p), 97I6, I0976(p), I0978, I0982(p), I0983, I2223, I2597, I3649
- f. lineata Kozlova 97I3
- var. ovata Mann 7534(o), 7536, 8982, 97I3, I0976(p)
- f. ovata (Mann) Heid. 9002(p)
Rosenvingiella Silva
constricta (Setch. et Gardn.) Silva 8054
polyrhiza (Rosenv.) Silva 7940(o,p), 8055(o), 9I75
Rothpletzella A.Wood
sp. sp. 9823, 9833
Rottnestia Cook. et Eis.
borussica (Eis.) Cook. et Eis. 8048-8049(o,p), II463
Rouxia Brun et Herib.
sp. sp. I0982
peragallii Brun et Herb. 898I(p), 9000, 97II, I0332
- var. antarctica Heid. 8977(p), 9000
- f. californica (M.Perag.) Sheshuk. I3353, I3362
Roya W. et G.S.West
obtusa (Bréb.) W. et G.S.West 9932
- var. montana W. et G.S.West I0I60
- var. obtusa I0I60
Rubellophyton Vologd.
sp. sp. 8I2I(o)
rameum Vologd. 8I2I(o,p)
salebrosum Vologd. 8I2I(o,p)
Rucinolithus Stover
hayi Stover I0433
Rutilaria Grev.
sp. sp. 8365
antiqua Streln. I2529, I2530(o,p), I2536
areolata Sheshuk. 8I49, 8364(p), 8370(p), I3364(o,p)
epsilon var. longicornis (Temp. et Brun) A.S. 8370, 972I
hexagona var. cornuta Temp. et Brun I3353
kerneri Pant. 898I(p), I037I, I3362
longicornis Pant. 7530, 898I
Rytiphlaea Ag.
tinctoria (Clem.) Ag. I0I43, II626
Saccorhiza De la Pyl.
dermatodea (De la Pyl.) J.Ag. 9I75
Sajania Vologd.
sp. sp. 9823

fasciculata Korde 9833
frondosa Vologd. 9833
Salpingoeca H.Clark
sp. sp. 9568, I3699
cylindrica Fott I3699
frequentissima (Zach.) Lemm. I0080, I363I
Samarella Masl. et Kul.
sp. sp. I3236
setosa Masl. et Kul. I2I36(o,p)
Sarcophyllis Kütz.
arctica Kjellm. 9I24
Sargassum Ag.
sp. sp. 7688, 805I, 8056, 8057(o), 8063, 9I56, I0057, I0409, I0908, II368-II370, II385, I2064, I2074, I2603-I2605, I2607, I2608, I3260, I3402, I3403
aquifolium (Turn.) Ag. 8056, 8057(o)
assimile Harv. 8056, 8057(o)
bacciferum (Turn.) Ag. 7905, 7907
berberifolium J.Ag. 8056, 8057(o)
binderi Sond. 8056, 8057(o)
caucasicum Pashkov II37I(o,p)
compactum Bory 8056, 8057(o)
confusum Ag. I3633
crispifolium Yamada 8056, 8057(o)
duplicatum J.Ag. 8056
enerve Ag. 8056, 8057(o), II346
fluitans Børg. 9063
hemiphyllum Ag. 8056, 8057(o)
horneri(Turn.) Ag. 8056, 8057(o), II443(o)
hornschuchi Ag. I0058, I0I43, II6I6
ilicifolium var. duplicatum J.Ag. 8057(o)
kashiwajimanum Yendo 8056, 8057(o)
kjellmanianum Yendo 805I, 8054, 8056, 8057(o), 8072, 8406, 8592, II443(o), I235I
micracanthum (Kütz.) Yendo 8056, 8057(o)
miyabei Yendo 805I, 8054, 8059, 859I, 9I24, II384, II443(o), I3029, I3633
natans Nacc. 7473, 7905, 7907, 7909, 9063, I0058, I0I4I, II346, II6I3
oligocystum (Kütz.) Mont. 8056, 8057(o)
pacificum Bory 8056, 8057(o)
pallidum (Turn.) Ag. 7636, 805I, 8054, 8056, 8057(o), 8072, 8406, 8590 - 8592, II20I, II202, II282, II384, II443(o), I2604, I2606, I2607, I2609, I2664, I3029
patens Ag. 8056, 8057(o)
piluliferum (Turn.) Ag. 8056, 8057(o)
- var. pinnatifolium Ag. 8056
pinnatifidum Harv. 8056, 8057(o), I3634
polyceratium Mont. 7473
polycystum Ag. 8056, 8057(o)
ringgoldianum Harv. 8056, 8057(o), II443(o)
sandei Reinb. 8056, 8057(o)

serratifolium Ag. 8056, 8057(o)
siliquastrum (Turn.) Ag. II443(o)
siliquosum J.Ag. 8056, 8057(o)
thunbergii (Mert.) Kuntze 8054, 8072, II443(o), I3633
tortile Ag. 8056, 8057(o)
tosaense Yendo 8056, 8057(o)
vulgare Ag. 7905, 7907, I0492
yendoi Okam. et Yamada 8056
Saundersella Kylin
simplex (Saund.) Kylin 7636, 8054, 8065(o), 9406, I2607, I3633
Scaphospora Kjellm.
arctica Kjellm. 9I54
Sceletonema Grev. (= Sceletonema De Toni; Skeletonema Grev.)
sp. sp. 706I, 7062, 735I, 7953, 8424, 9085, I0460, I0756
costatum (Grev.) Cl. 706I, 7II5, 7349, 7350, 7352-7355, 7443, 7508, 7744, 7746, 792I, 7925, 7926, 7928, 793I, 7933, 7950-7952, 7954-7956, 7958, 7970, 797I, 7995, 8I46, 82II, 833I, 8387, 8425, 8523, 8763, 8765, 898I, 9II4-9II7, 9I32, 9I40, 9I4I, 92II, 9220-9223, 9227, 9229, 9230, 9234, 95I0, 96I9, 9704, 97I2, 97I6, 9747, 9784, 9787, 9790, 9793, 9805, 9959, I00I7(o), I0II2, I0205, I0206, I0208, I0209, I02I2-I02I4, I0276, I0279, I0280, I0283, I0463, I0469, I0473, I0475, I0673, I08I4, I08I6, I08I8, I0839, I0877, I0886, I0888, II068, II069, II083, II085, II087, II088, II093, II405, II536, II537, II542, II545, II779, II805(p), II834, II993, II994, II997, II998, I2004, I2006, I2007, I20I9, I2079, I208I, I2I30, I2I53, I2223, I2592, I2593, I2597, I27I0, I2892, I2955, I2956, I2958, I2962, I2968, I2998, I3002, I3005, I3042, I3099, I3248, I3249, I3250, I3536, I3576, I36I6-I36I8, I3645, I3649, I3725
cylindraceum Pr.-Lavr. et Makar. I0470, I0474, I0480(o,p)
mirabile Grun. II334
ornatum Grun. II334
spinosum (Kitt.) Jousé I0462(o,p), II334
subsalsum (A.Cl.) Bethge 7I03-7I05, 8I45-8I47, I0463, I0475, I27I0, I3576
utriculosum Brun I3353(p), I3358, I3362
Scenedesmus Meyen
sp. sp. 7II3, 7I25, 7I26, 7I55, 7247, 7288, 7289, 7299, 7343, 738I, 7400, 7407, 7409, 74II, 7422, 747I, 7472, 7506, 7565, 7623, 7702, 77I7, 7772, 7773, 7777, 7793, 7805, 7848, 7898, 8038, 8I97, 82I4, 82I6, 8240, 8258, 8263, 8300, 83I8, 8337, 8349, 84I6, 84I9, 8452(p), 8488, 8559, 8568, 8573, 8576, 858I, 8582, 8584, 8599, 867I, 8803, 88I6, 8860, 8904, 8939, 8962, 902I, 9068, 9I49, 9I97, 9257, 9322, 9337, 95I4, 95I8, 9568, 9584, 9648, 9654, 9656, 9657, 9670, 9846, 9848, 9883, 9940, 9959, 999I, I0024, I0039-I004I, I0044, I0I04, I0I05, I0232, I0234, I0242, I0244, I0298, I03I7, I0324, I0342, I0344, I0350, I0364, I0420, I0469, I0475, I0487, I0526, I0549, I0550, I0667, I0729, I0732, I0798, I0799, I0845,

I0868, I09I8, I0920, I0957, I0964, II045, II052, III07, IIII0, IIIII, III35, III46, II185, III86, II208, II246, II329, II489, II522, II524, II533, II550, II583, II588, II663(p), II673, II690, II720, II73I, II737, II768, II769, II790, II793, II9I4, II9I7, II93I, II956, I2028, I2033, I2093, I2I2I, I2I75, I2236, I2245, I2266, I2320, I2327, I233I, I2333, I2344, I2346, I2377, I2382, I2394, I2403, I24I9, I2428, I2445, I2446, I2466, I2477, I2485, I2496, I2544, I2557, I2563, I2575, I26I2, I2620, I2637, I269I, I2692, I2805, I2829, I2830, I2833, I2895, I29I5, I2928, I2940, I2982, I3055, I3II7, I3I20, I3I43, I3I77, I32I3, I327I, I3272, I3280, I3294, I3442, I3430, I3507, I353I, I3537, I3583, I3590, I3645, I3646, I366I, I3666, I3692, I3705, I37I5, I37I7, I3736, I3749
abundans (Kirchn.) Chod. 7695, 9298, I0I95, I0782(p), II038, II584, I2052, I2055, I2347, I3594-I3595
- var. longicauda G.Sm. I2347
acuminatus (Lagerh.) Chod. 7055, 7080, 7082, 7I03, 7I05, 7I85, 7246, 7249, 7250, 7294, 7303, 7350, 7353-7355, 7399, 740I, 7404, 74II, 7469, 7588, 7589, 7593, 7620, 762I, 7626-7628, 7695, 7702, 7704, 77I3, 7732, 7757, 7764, 7780, 7797, 7798, 7800, 780I, 7806, 7849, 786I, 7992, 7993, 800I, 8024, 8038, 8098, 8202, 8228, 8290(p), 8294, 830I, 8308, 8326, 8348, 85I6, 8560, 8570, 858I, 8700, 87I0, 8725, 8800, 8859, 8879, 8905, 89I2, 89I4, 892I, 8924, 8940, 90I2, 9024, 9I08, 92I3, 9237, 9242, 9289, 9292, 93I4, 9324, 9340, 9376, 9433-9434, 944I, 9446, 9453, 9470, 9476, 950I, 9568, 9580, 9649, 969I, 9694, 9749(o), 9752, 9755, 980I, 9882, 9897, 9900, 9944, 9959, I0020, I0042, I0046, I0077, I0079, I0080, I0082, I0I30-I0I33, I0I48, I0I49, I0I79, I0I85, I0I90, I0I93, I0I94, I0235, I0280, I0286, I0362, I0500, I0502-I0504, I0548, I0624, I0644, I0657, I0670, I0690, I0706, I0782(p), I0866, I0905, I0925, I0955, I0956, I0968, I0975, I0997, III90(o), III98, II208, II256, II35I, II537, II584, II585, II625, II672, II673, II697, II730, II736, II739, II830, II859, II864, II866, II88I, II895, II903, II933, II966, II967, I2052, I2075, I2I22, I2I24, I2I28, I2I29, I2242, I2259, I2280, I23I2, I2320, I2323, I2324, I2327, I233I, I2336, I2342, I2347, I2350, I2356, I2357, I2375, I24I6, I2478, I2482, I2483, I2496, I2498, I2504, I2505, I2524, I2525, I2579, I2628, I2680, I2746, I2747, I276I, I2762, I2870, I2905, I2906, I2932, I2935, I30I2, I30I4, I3026, I3027, I3I27, I3I44, I3I56, I3I99, I3202, I3245-I3247, I3249, I3250, I3266, I3267, I3269, I3273, I3279-I328I, I3287, I3293, I3373, I3398, I34I2, I35I7(o), I3520, I3524, I3527, I3533, I3536, I3537, I3540, I3572, I3573, I3579, I3594-I3595, I363I, I3638, I364I, I3642, I3689, I370I, I37I3, I372I, I373I, I3747
- var. acuminatus 7462, 7465, 9298, 9500, I0008, I0044, I0I33, I0218, I0220, III84, III85, I3270-I3274, I3284, I3290, I3294, I3586, I3600
- var. bernardii (G.Sm.) Deduss. 7248, II866, II88I, II967
- var. biseriatus Reinh. 7227, 7465, 7469, 7589, 762I, 7702, 7806*, 7993, 7994, 800I, 8038, 8097, 8859, 8907, 9I33, 92I4,

9220, 9252, 9289, 9292, 9298, 9340, 950I, 9568, 9694, 9755, 980I, 9932, 9959, I0008, I0046, I0077, I0080, I0082, I0I33, I02I8, I0220, I0245, I0246, I0248, I0280, I0646, II537, II585, II673, II736, II866, II88I, II967, I2052, I2320, I2324, I2327, I233I, I2336, I2342, I24I4, I24I6, I24I7, I2483, I2932, I2935, I3009, I30I0, I30I2, I30I4, I3026, I3027, I3I42, I3I56, I3245, I3246, I3249, I3250, I3266, I3270-I3274, I3287, I3294, I3499, I35I7, I3533, I3642, I3689, I3747

- var. elongatus G.Sm. 7589, 800I, 9289, 9340, I0008, II672, II673, II866, I2483, I3246, I327I, I3272, I3274
- var. tetradesmoides (G.Sm.) Korsch. 980I
- f. tetradesmoides (G.Sm.) Korsch. 800I
- var. tortuosus Deduss. 980I
- f. tortuosus Skuja 800I

acutiformis Schröd. 7780, 8038, 8570, 858I, 9749(o,p), 975I, 980I, I0008, I0080, I02I8, I0220, I0956, II585, II673, II88I, I327I, I3I72, I3482, I35I7(o), I3520, I3533, I3638

acutus Meyen 8294, 8306, 8570, I0036(p), II208, II9I4, II9I7, II9I9, I3638

- var. costulatus Uherkov. I2680, I3533

alternans Reinsch I3526

antennatus Bréb. I0080, I3689

apiculatus (W. et G.S.West) Chod. 800I, 8038, 9242, 9289, 9340, 950I, 9503, 9944, I0080, I0082, IC13I, I0I33, I02I8, I0280, I0646, II585, II866, I27I0, I3246, I3279, I35I7(o)

- var. apiculatus I0008, I0220, I2482, I327I, I3274
- var. irregularis Deduss. 8038, I0220, I2482, I327I, I3274

arcuatus Lemm. 72I5, 7303, 7469, 7626-7628, 7702, 800I, 8038, 8725, 9220, 9242, 9257, 9289, 9292, 9448, 9649, 9752, 980I, 9944, 10007, I0046, I0077, I0080, I0082, I0I85, I0I86, I0I90, I0I94, I02I8, I0220, I0646, II537, II672, II673, II859, II866, II967, I2I24, I2I75, I24I4, I24I6, I2478, I2482, I2579, I27I0, I3008, I30I4, I3057, I3I27, I3245, I3246, I3249, I3499, I3522, I3583, I363I, I3736

- var. arcuatus 7462, 7465, I0008, I327I, I3272, I3274
- var. capitatus G.Sm. I3572, I3573
- var. platydiscus G.Sm. 7465, 7469, 7702, 800I, 8038, 8700, 8725, 89I4, 9340, 9749(o,p), 980I, I0008, I0I33, II455, II866, II966, I2482, I3246, I3249, I327I, I3272, I3274, I3499, I35I7, I3520, I3533
- var. typicus Chod. I3533

bijuga (Turp.) Lagerh. 9932, I2667, I3482

bijugatus (Turp.) Kütz. 704I, 7049, 7I03, 72I5, 72I7, 72I8, 7250, 7297, 7399, 7467, 7469, 7620, 762I, 7627, 7628, 7702, 7780, 7806, 7993, 800I, 8038, 8202, 830I, 8450, 8570, 858I, 8725, 8809, 8877, 8890, 8904-8907, 89I2, 8924, 8966, 8967, 90I2, 9024, 9I34, 9220, 9242, 9252, 9289, 9292, 9298, 93I4, 9340, 9420, 9648, 9748(p), 9749(p), 975I, 9755, 9800, 980I, 9944, 9959, I0042, I004o, I0048, I0077, I0079, I0080, I0082, I0085, I0II3, I0I3I - I0I33, I0I48, I0I50, I0I52, I0I53, I0I79, I0I95, I02I8, I0220, I024I, I0245, I0280, I0363, I0543, I0553, I0624, I0644, I0646, I0657, I0706, I07I5, I0782(p), I0905, I0955, I0956, I0959, I0968, I0975, III72, III90(o), III98, II264, II525, II537, II545, II583, II584, II585, II672, II673, II736, II830, II859, II860, II864, II866, II878, II88I, II905, II930, II932, II933, II965, II966, I2049, I2050, I2052, I2053, I2055, I2I22, I2320, I2323, I2324, I2327, I233I, I2333, I2336, I2347, I2375, I2579, I2679, I2680, I276I, I2762, I2863, I2870, I2889, I2932, I2933, I2935, I2938, I3009-I30I4, I3057, I3059, I306I, I3I27, I3I99, I3245, I3246, I3249, I3272, I3279, I328I, I3287, I3373, I3398, I3504, I3506, I35II, I35I4, I35I7(o), I35I9, I3520, I3526, I3528, I3529, I3533, I3535, I358I, I3582, I3590, I3625, I363I, I3638, I3642, I3679, I37I3, I3736, I3746, I3747

- var. alternans (Reinsch) Hansg. 800I, 8038, 8725, 9024, 9220, 9694, 980I, I0008, I0046, I0I33, I0548, II537, II673, II866, I2327, I2482, I2667(o), I27I0, I3246, I3249, I3272, I3274, I3499, I35I4, I35I7(o), I35I9, I3520, I3590, I3747
- f. alternans (Reinsch) Hansg. I0080, I3642
- var. bijugatus 7462, 7465, 8700, 8908-89I0, 9I35, I0008, I0I33, III28, II455, II583, I2482, I27I0, I327I, I3272, I3274, I3294, I3586
- f. bijugatus 9I33
- var. disciformis Chod. 980I
- var. flexuosus Lemm. I0080
- var. papillatus 980I
- f. radiatus Hansg. 7294
- var. seriatus Chod. I0080
- f. tetradesmoides Ermol. 8925(o,p)

brasiliensis Bohl. 7780, 7806, 800I, 8038, 8570, 858I, 9289, 9340, 9476, 9568, 980I, I0046, I0077, I0080, I0082, I02I8, I0220, I0248, I0782(p), II585, II866, II967, I233I, I2482, I3026, I3246, I3272, I3594-I3595, I3638

- var. brasiliensis I327I, I3294
- var. cinnamomeus Roll 8038, 980I, II866, I3246

brevispina (G.Sm.) Chod. I2680

carinatus Chod. I3638

costatus Schmidle 800I, 9233, 9298, I02I8, I0220, I0646, II537, I2482, I3246, I327I, I3272, I3274

costogranulatus Skuja I0077, I0080

cuneatus Skabitsch. I2332(o,p), I2336

curvatus Bohl. 7049, 8038, 8904, 950I, 9503, 980I, 9944, I0008, I0046, I0080, I0280, I0975, II537, II866, II933, I2579, I3245, I3246, I3249, I3279, I35I7(o)

denticornis 9752

denticulatus Lagerh. 800I, 8038, 8292, 90I9, 9212, 9580, 975I, 980I, I0046, I0080, I0I52, I0I53, I0646, I0782(p), I0878, II537, II736, II864, II866, II967, I2375, I2482, I3246, I3249, I327I, I3373, I35I7(o), I3594-I3595, I3653, I3689

- var. australis Playf. 7507, 800I, 9I33, 9I34, 9694, 980I, I0I33, I0I50, I0956, I3245, I35I7(o), I3526
- var. denticulatus I0008, I0044, I02I8, I0220,
- var. linearis Hansg. 8038, 980I, I0008, I0080, I02I8, I0220, II866, I3642

dimorphus (Turp.) Kütz. 7780, 8570, 858I, 9298, I02I8, I2347, I3638

dispar Bréb. 7780, 8570, 858I, I3638

echinulatus Deduss. I0077, I0080, I0082, I2327

ecornis (Ralfs) Chod. 7757, 8306, 858I, I0080, I3638
- var. disciformis Fott I0782(p), II584, II585
gracilis Matv. 800I, I0008
granulatus W. et G.S.West 7806, 800I, 8038, 9749(o,p), 980I, I0080, II672, II866
- var. verrucosus (Roll) Deduss. 800I, 80I6, 980I, II866, II967, I3246
helveticus Chod. I062I(p)
hystrix Lagerh. 800I, 8038, 9289, 9749(o), I0I3I, I0I33, I02I8, I0220, II672, II673, I306I, I3653
incrassatulus Bohl. 800I, I0046, I0II3, I02I8, I0220, I3287
- var. incrassatulus 9500, I3274
intermedius Chod. 8294
lamellatus Skabitsch. I2332(o,p)
longus var. naegelii (Bréb.) G.Sm. 9932, I02I8
microspina Chod. 7050, I2680
minutus (Näg.) Coll. I3594-I3595
multicauda Massjuk I062I(o,p)
naegelii Chod. 7780, 8570, 858I, I3638
nanus Chod. I3638
oahuensis (Lemm.) G.Sm. I062I(p)
obliquus (Turp.) Kütz. 7049, 7050, 72I5, 7225, 730I, 7303, 7405, 74II, 7452, 7455, 7520, 7570, 7589, 7626, 7628, 7676, 7705, 7774, 7775, 7780, 7782, 7783, 7785, 7797, 7800, 780I, 7875, 7879, 7989, 800I, 8004, 8008, 80I5, 8022-8026, 8038, 8098, 8205, 8228-8232, 8250, 8294, 8348, 8353, 8570, 857I, 8580, 858I, 8583, 8587, 86I3, 8634, 8684, 8778(o), 8800-8802, 8805, 88I7, 8904, 8928, 90I8(o), 90I9, 902I, 9024, 9067, 9078, 9I08, 9220, 9283, 9298, 93I4, 9340, 9453, 950I, 9503, 9580, 9585, 96I7, 9695, 9748(p), 980I, 9959, I005I, I0066, I0II8, I0I2I-I0I25, I0I3I-I0I33, I0I73, I0I76, I0I94, I02I8, I0220, I0238, I0257, I0260, I0262, I0263, I0280, I0343, I0347, I052I, I0548, I0553, I0568-I057I, I0644, I0646, I065I, IC7I5, I0782(p), I079I-I0796, I0866, I0925, I0956, I0963, II0I6, II038, II050, II076, III6I, III64, III65, II672, III90(o), II247, II256, II35I, II358, II363, II492, II499, II506, II5I3-II5I5, II525, II53I, II537, II584, II585, II59I, II673, II828, II860, II866, II88I, II905, II9I3, II9I4, II9I7, II9I9, II988, I2089, I2095, I2247, I2342, I2375, I2385, I2483, I2588, I2628, I2638, I2679, I270I, I2702, I2705, I27I0, I2776, I28I0, I2932, I2935, I2938, I2967, I3I38, I3I42, I3245, I3246, I3287, I3373, I3488, I3499, I35I7(o), I3520, I3528, I3533, I358I, I3594-I3595, I3638, I3642, I3660(p), I3679, I3689, I3699
- var. alternans Christ. 7050, 7589, 800I, 8038, 9220, 9666, 9749, 980I, I0I50, I0280, I0548, II537, II673, I2I75, I2482, I2483, I2932, I2935, I3I89, I3246, I327I, I3274, I3499, I35I7, I3533
- var. obliquus 9500, II583, I2482, I327I, I3274
- f. obliquus I0008
obtusus 9257
octocauda Massjuk I062I(o,p)
octocellularis I.Kiss. 8904-8907, 8909, 9500, 950I, 9503
opoliensis P.Richt. 7227, 7702, 800I, 8038, 90I8(o), 9340, 9580, 980I, I0077, I0080, I0082, I0I3I, I0I53, I0220, I0646, I0706, I0782(p), II038, II537, II866, II88I, II966, I24I6, I2478, I2579, I2870, I30I2, I3026, I3245, I3246, I3373, I3482, I3530, I3594-I3595, I3736
- var. abundans Printz 800I, 980I, I0I49
- var. alatus Deduss. 800I, 9340, II967, I2I22, I327I, I3274
- var. asymmetricus Printz I327I, I3274
- var. carinatus Lemm. 7702, 800I, 8038, 90I8(o), 9220, 980I, I0080, II585, II866, II967, I3246
- var. contactus Pres. I3057
- var. hyperabundans Printz 800I, 980I, II866
- var. opoliensis I2482, I327I, I3274, I3294
- var. setosus Deduss. 800I, 980I, II866, I2482, I3246, I3249
perforatus Lemm. 8038, 980I, I0080, II866, I2332(o,p), I3530
- var. circumcinctus Massjuk I062I(o,p)
- var. oahuensioides Massjuk I062I(o,p)
- var. ornatus Lemm. I062I(o,p)
- - f. cornutus Massjuk I062I(o,p)
- - f. mirabilis Massjuk I062I(o,p)
- var. spinosus Massjuk I062I(o,p)
platydiscus I0I3I
productocapitatus Schmula 980I, II720, II866, I3666
- var. alternans Swir. 980I
- var. productocapitatus I327I
protuberans Fritsch 800I, 8038, 9340, I0046, I0706, II866, II967, I2327, I3245, I3246, I3249, I3530
- var. aristatus (Chod.) Deduss. 800I, I3246
- var. protuberans I327I, I3272, I3274
pseudogranulatus Massjuk I062I(o,p)
- var. hystricoides Massjuk I062I(o,p)
pseudohystrix Massjuk I062I(o,p)
quadricauda (Turp.) Bréb. 7044, 7045, 7050, 7057, 7080, 7082, 7I03, 7I05, 7I83-7I85, 72I5, 72I8, 72I9, 7226, 7227, 7246, 7249, 7250, 730I, 7303, 7304, 7342, 7344, 7348, 7350, 7353-7355, 7399, 74I0, 7452, 7453, 7455-7457, 7467, 7469, 75I7, 7520, 7528, 7570, 7584, 7588, 7589, 7593, 7620, 7626-7628, 7673, 7695, 7702, 7704, 7705, 77I3, 7732, 7757, 7758, 7764, 7780, 7797, 780I, 7833, 7835-7840, 7849, 7852, 7875, 7877, 7879, 7984, 7986, 7988, 7989, 7992-7994, 80.I, 80I5, 8023, 8025, 8026, 8030, 8038, 8097, 8098, 8I06, 8I42, 8I43, 8I47, 8202, 8228, 8266, 8292, 8294, 830I, 83I0, 83I3, 8322, 8324, 8326, 8348, 8353, 8450, 852I, 8544, 8554, 8555, 8557, 8560, 8570, 858I, 8603, 8604, 87I0, 87I5, 87I8, 8725, 8763, 8776, 8800-8802, 8859, 8874, 8877, 8879, 8890, 89^4-8907, 89I2, 89I4-89I7, 892I, 8924, 8928, 8940, 9009, 90II, 90I2, 90I5, 90I8(o), 9024, 9042, 9053, 9I08, 9I34, 9I35, 92I3, 92I4, 9220, 9223, 9237, 9242, 9252, 9257, 9283, 9288, 9289, 9292, 9293, 9297, 93I4, 93I5, 93I9-932I, 9324, 9439-944I, 9448, 9453, 9454, 9470, 9476, 9498(o), 9499, 950I, 9505, 9568, 9580, 96I7, 9648, 9649, 9666, 9667, 9672, 9674, 9679, 9687, 969I, 9694, 9724, 9748(o,p), 975I, 9752, 9755, 9800, 980I, 9864, 988I, 9882, 9899, 99II, 99I2, 9944, 9959, I0006, I0007, I0020, I0042, I0046, I0048, I0074, I0077-I0080, I0082, I0085, I0I07, I0II3, I0I28, I0I30-I0I33, I0I48, I0I49, I0I53, I0I72, I0I73, I0I76, I0I79, I0I89, I0I90, I0I92-I0I95, I022I, I023I, I0233, I0235, I0236, I024I,

I0243, I0245, I0246, I0248, I0257, I0259, I026I(p), I0262, I0264, I0276, I0279, I0280, I0283, I0286, I0355-I0358, I0362, I0363, I0365, I05I4, I05I7, I05I8, I0548, I0624, I0644, I0646, I065I, I0657, I066I, I0669, I0690, I0706, I07I5, I073I, I0732, I0782(p), I0800, I0822, I0866, I0869, I0875, I0877, I0878, I0905, I0922, I0925, I0932, I0933, I0955, I0956, I0975, I0997, II036, II038, II039, II050, II056-II059, III64, III8I, III85, III98, I1223, II252, II264, II274, II304, II325, II326, II35I, II358, II36I, II479, II483, II488, II492, II506, II5I5, II52I, II525, II53I, II532, II537, II539, II546, II579, II584, II585, II625, II672, II673, II697, II736, II739, II792, II794, II828, II837, II859, II860, II864, II866, II88I, II883, II903, II905, II9I4, II930, II932, II963, II965-II967, II989, I2049, I2050, I2052, I2053, I2055, I2075, I2076, I2II4, I2I22, I2I24, I2I30, I2I55, I2I75, I2I95, I224I, I2252, I2320, I2323, I2324, I2327, I233I, I2333, I2336, I234I, I2342, I2346, I2347, I2350, I2356-I2360, I2363, I2375, I24I4-I24I7, I24I9, I242I, I2478, I2483, I2496-I2499, I2500(p), I2505, I2549, I2550, I2552, I2553, I2555, I2556, I2558, I2560-I256I, I2569, I2576, I2577, I2580, I26I7, I2746-I2748, I276I, I2762, I2798, I2863, I2870, I2889, I2897, I2905, I2906, I2932, I2933, I2935, I3008-I30I4, I3026, I3027, I3057, I3059, I306I, I3079-I308I, I3085, I3086, I3089, I3I27, I3I29, I3I34, I3I36, I3I37, I3I42, I3I44, I3I48, I3I56, I3I58, I3I77, I3I78, I3I89, I3I97-I3I99, I3202, I32I7, I32I8, I3246, I3249, I3250, I3266, I3267, I3269, I3273, I3279-I328I, I3287, I3293, I3373, I3398, I3482, I3487, I3488, I3497, I3504, I35II, I35I4, I35I7(o), I3520, I3522, I3528, I3530, I3533, I3536, I3537, I3540, I3547, I3568-I3573, I3576, I358I, I3583, I3589-I359I, I3594-I3595, I3598, I363I, I3638, I364I, I3642, I3644, I3653, I3660(p), I3665, I3679, I3689, I3699, I3704, I37I3, I372I, I3722, I373I, I3736, I3738, I3740, I3746, I3747

- var. abundans Kirchn. 7507, 762I, 7702, 8038, 87I8, 8905, 89I0, 9I33, 9I35, 9220, 9289, 9643, 9694, 980I, 9932, I0008, I0046, I0080, I0082, I0I32, I0I33, I02I8, I0220, I0646, II537, II583, II672, II673, II730, II866, I2323, I2327, I233I, I2579, I2580, I27I0, I3027, I306I, I3246, I3249, I327I, I3274, I3373, I35I7(o), I3520, I3642
- f. abundans Kirchn. 9580
- var. aculeolatus Printz I062I
- var. africanus Fritsch 8725, 9024, 980I, I0008, I0I33, I0956, II673, II866, II967
- f. africanus Fritsch I0548
- var. armatus (Chod.) Deduss. 7702, 800I, 8038, 9220, 9694, 980I, I0008, I0046, I02I8, I0220, I0280, I062I, III84, II673, II866, I2324, I2327, I233I, I2579, I3246, I3249, I327I, I3272
- var. asymmetricus Schröd. 7620, 9694
- var. biseriatus Kirchn. 9932
- var. crassicaudatus Hort. I0I33(o)
- var. delicatissimus Massjuk I062I(o,p)
- var. dentatus Deduss. 800I, 8038, 980I, I0008, I0077, I0080,

I0280, I0646, II672, II673, II730, I3246, I35I7(o)
- var. dispar Bréb. 9298, I0080, I3689
- var. eualternans Proschk. 7702, 800I, 8038, 9220, 9292, 9340, 9755, 9775, 980I, 9944, I0220, I0280, I0646, II537, II673, II830, II866, II967, I2342, I3246, I3249, I327I, I3499, I35I7(o)
- f. eualternans Proschk. I2332(o,p)
- var. helveticus (Chod.) Deduss. 800I, 8038, I0220, I3530
- f. horridus Kirchn. 8038, 9959
- var. hyperabundans Gutw. 9959
- var. hystricoides Massjuk I062I(o,p)
- var. interruptecostatus Massjuk I062I(o,p)
- var. lefevrii (Defl.) Deduss. 800I, 8038, I0I33(o), I2323
- var. longispina G.Sm. I3482
- var. maximus W. et G.S.West I02I8, II585, I3642
- var. naegelii (Bréb.) Raberh. 8038, I3642
- var. oachnensis Lemm. 8038
- var. papillatus Swir. II673
- var. quadricauda 7I04, 7462, 7465, 7806, 8700, 8776, 8908-89I0, 9I35, 9298, 9500, 9932, I0008, I0044, I0I33, I02I8, I0220, III28, III86, II455, I22I7, I2482, I2578, I2580, I27I0, I2939, I3270, I327I, I3272, I3274, I3284, I3290, I3294, I3586, I3600
- f. quadricauda 9I33
- var. setosus Kirchn. 7044, 72I5, 7250, 7507, 7702, 800I, 8038, 8266*, 8570, 8700, 8725, 8904, 9220, 9749(o,p), 980I, I0080, I0220, I0646, II452, II455, II537, II866, I2095, I24I4, I2482, I2579, I27I0, I30I2, I30I4, I3249, I3274, I35I7(o), I3520, I3526, I3533
- f. setosus Kirchn. 7294
- var. spinosus Deduss. 800I, 8038, 9687, 9694, 980I, 9944, I0008, II866, I2327, I3246, I3249, I327I, I3272
- f. ternatus Skabitsch. I2332(o,p), I2336
- var. typicus West 9500
- f. typicus West 7294, 7806, I3245
- var. vesiculosus Proschk. 7226, I327I
- var. westii G.Sm. I3482

reniformis I.Kiss. 7465, 7469, 8038, I0975, I2327, I233I, I2336, I3060, I306I, I3I99
- f. reniformis 9I33

rostratospinosus var. serratopectinatus Chod. I0080

serratus (Corda) Bohl. 800I, 8038, 9I33, 9I34, 975I, I0008, I0077, I0080, I0082, I0I3I, I0I33(o), I02I8, I0220, I0644, I0968, I0975, II673, II866, I2327, I2482

spicatus W. et G.S.West 800I, 980I, II830, I327I, I3736

spinosus Chod. 7050, 8570, I3284

striatus Deduss. 800I, 980I, I3642
- var. apiculatus Deduss. 800I, 8038, 980I, II866

tetradesmiformis (Wołosz.) Chod. 9220

verrucosus (Roll) Deduss. I0I49, I0I5I

Sceptroneis Ehr.

sp. sp. 8738

caduceа Ehr. 9952, II334, I2534

dimorpha Streln. I2534

grunovii Anissim. II334

Schamovella
sp. sp. I0533, I3233, I3236(p)
Scherffelia Pasch.
ovata Pasch. 980I
Scheveligchemia
ramosa Korde 9833
Schimperiella Karst.
antarctica Karst. 8999, 9000(o,p), 9002(p), 9703(p), 9704, 9705(p), 97II(p), 97I6, I033I, I0332, I3649
Schizochlamydella Korsch.
delicatula (West) Korsch. 7373, IIII7, I3434, I3439
Schizochlamys A.Br. ex Kütz.
delicatula West 7620, II720
gelatinosa A.Br. 9053, 9580, I0080, I0646, II866
planctonica Skuja 9932
Schizomeris Kütz.
leibleinii Kütz. III90(o,p), II866, I3526
Schizoseris Kylin
kerguelensis A.Zin. 9I6I(o,p)
laciniata (Kütz.) Kylin 9I6I(o)
- f. laciniata 9I6I(o)
- f. latiloba A.Zin. 9I6I(o,p)
pseudodichotoma A.Zin. 9I6I(o,p)
Schizothrix Kütz. ex Gom.
sp. sp. 7676, 7752, 9768, II756, I209I, I2653, I3453, I35I0, I35I8
arenaria (Berk) Gom. 7377, 7599, 9666, I07I5, IIII7, II264, I2093, I2I95, I28II, I3453
braunii (A.Br.) Gom. 8777, 8778(o)
calcicola (Ag.) Gom. I0026, I0I26
coriacea (Kütz.) Gom. 980I, I07I5, II755, II757, I2I95, I3453
fasciculata (Näg.) Gom. I2I95
fragilis (Kütz.) Gom. I07I5, I3533
friesii (Ag.) Gom. 7373, 7377, 8038, I0026, IIII2, IIII3, II757, I234I
funiculus Woronich. I2090, I2092, I3522
fuscescens Kütz. I0026, I0028(o), I0I26, I3529
- f. hyalina Frémy I0026, I0029
lacustris A.Br. I0028(o), I2092, I2800
lardacea (Ces.) Gom. 7225, 7373, I0548, I07I5, IIII7, II757, I2I95, I28II
lenormandiana Gom. 7676, 7678, II753, II757, I2I95, I28II, I2877, I3453
lutea Frémy I07I5, I3529
naegelii (Kütz.) Geitl. I0026
penicillata (Kütz.) Gom. 9749(o), I0028(o)
polytrichoides Fritsch 980I
rivularioides (Hansg.) Geitl. IIII7
vaginata (Näg.) Gom. I3687
Schizotrichites Starmach
sp. sp. 9833
ordoviciensis Starmach 9472
Schizymenia J.Ag.
dubyi (Chauv.) J.Ag. 8065(o)

Schroederia Lemm.
sp. sp. 7I02, 7I04, 7303, 9882, 9883
nitzschioides (West) Korsch. 800I, 9435, 9694, I327I, I3272, I3274, I3287
robusta Korsch. 7I03, 7I05, 800I, 8038, 89II, 89I6, 980I, I0008, I0046, I0II3, I087I, I0876, I0906, II672, II673, II933, II966, I2324, I2327, I3009, I30I0, I30I4, I3057, I306I, I3246, I3249, I327I-I3274, I328I, I3294, I35I2, I3747
setigera (Schröd.) Lemm. 72I5, 7465, 7992, 800I, 8555, 8859, 90I8(o), 9220, 9340, 9433-9434, 9437, 9439, 9687, 9755, 980I, I0006, I0008, I0046, I0365, I0646, II672, II673, II859, II860, II866, II965, I2324, I2327, I2482, I3009, I30I0, I3026, I3I27, I3246, I3249, I3270-I3274, I35I2
- f. minor Kog. 965I, I095I
spiralis (Printz) Korsch. 800I, 9340, 980I, I0008, I0362, II866, II967, I3I27, I3246, I3249, I327I, I3274, I3287
Schroederiella Wołosz.
sp. sp. 7063, 8760, 9965
delicatula (H.Perag.) Pav. 706I, 7956, 7959*, 8763, I089I, I0892, I2I53, I2599
papillata Korsch. 9749(o,p), I03I7, I2482, I3246
Scoliopleura Grun.
peisonis Grun. 8034, I3353
tumida (Bréb.) Rabenh. 9568, I0I02, I039I
westii (W.Sm.) Grun. I0939
Scoliotropis Cl.
latestriata (Bréb.) Cl. II442
Scotiella Fritsch
sp. sp. 7375, 8573, 8584, I055I, I0553
levicostata Hollerb. 7225, I07I5, I0967, I0968, IIII7, I2449, I3428, I3442
muscicola Beck-Mannag. I07I5
nivalis (Schuttl.) Fritsch 858I
Scriniodinium Klem.
crystallinum Defl. 8048-8049(o,p)
Scyphosphaera Lohm.
apsteinii Lohm. 8763, I2I53, I2597
Scytomonas Stein
pusilla Stein 73II, 73I5(o), 73I7
Scytonema Ag. ex Born. et Flah.
sp. sp. 8807, II479, I343I
alatum (Berk.) Borzi I0026
- f. majus Kossinsk. I35I0
- f. tinctum (A.Br.) Kossinsk. I35I0
caldarium Setch. I0028(o)
crispum (Ag.) Born. 8745, I0026, I0644, IIII2, IIII3
crustaceum Ag. 9749(o,p), I0026
drilosiphon (Kütz.) Elenk. et V.Poljansk. I0583
dzschambulicum Obuch. III92(o,p)
hofmannii Ag. 9285, I0026, I095I, IIII2, IIII3, IIII6, IIII7, II479, II483, II886, I3433
- f. calcicola (Hansg.) Kossinsk. I2I95, I35I0
intermedium De Wild. 7296
javanicum (Kütz.) Born. I07I5
mirabile (Dillw.) Born. I0026, I3504, I35I8

- f. leprieurii (Mont.) Kossinsk. I0028(o), I3522
myochroum (Dillw.) Ag. I209I, I2092, I2094, I3522
ocellatum Lyngb. 7599, 7676-7678, I0I26, I04I9, I07I4, I07I5, IIII6-IIII8, II479, II480, II483, II755, II757, II886, I2092, I2I92, I2I94, I2I95, I3435, I3453
subtile Moeb I0026
tolypotrichoides Kütz. 975I, I3522
varium Kütz. IIII7, I2I95
Scytonematopsis E.Kissel.
woronichinii E.Kissel. 7676, I0I49, I0I50, I0I52, I0I53, I095I, I0973, III90(o), I3522
- f. minor Muzaf. I35I8
Scytosiphon Ag.
sp. sp. II20I, I2607, I2664
lomentarius (Lyngb.) J.Ag. 7II8, 74I3, 7606, 76I2, 76I3, 7636, 7942, 8054, 8056, 8060, 8070, 8073, 8550, 859I, 8592, 8899, 890I, 8902, 9026, 9I2I, 9I24, I0II0, I0I40, I0804, I0808, I0929, II378, II379, II384, II570, II629, II630, II96I, I2064, I2604, I2606, I2607, I2664, I3633
pygmaeus Reinke I3645
Selenastrum Reinsch
sp. sp. 9I04, 9752, I0799, I2252, I2833, I3008
bibraianum Reinsch 8098, 9324, 9435, I0080, I0082, II584, I2906, I364I, I3642, I3736
gracile Reinsch 8266, I0080, I02I8, I0220, I3594-I3595, I3689
minutum (Näg.) Coll. 8877, 958I, 980I, 9959, I0080, I02I8, I0220, I022I
reticulatum Dand. 8473
Seletonella Korde
sp. sp. 8947, 8948, 9823, 9828, 9832, 9833
mira Korde 982I(o,p)
Sennia Pasch.
commutata Pasch. I3526
Septalites Schamr.
sp. sp. I3300
angustiseptis Schamr. I3297(o,p)
bilocularis Schauer II257(o,p)
conoides Schamr. 8472, II257(o,p), I3297(o,p), I3298(p)
corticosus Gorgul. 847I
cribratus Schamr. I3298(p)
declivis Schamr. et Laz. 847I, 8472, I3297(o,p), I3300(p)
ellipticus Gorgul. 8472
fabiformis Orech. II257(o,p)
fibulus Lec.-Schl. 847I, 8472, II257(o,p), I3297(o,p)
fissuriformis Orech. II257(o,p)
flexuosus Schamr. II257(o,p), I3297(o,p)
incisus Orech. II257(o,p)
latiseptus Orech. II257(o,p)
mendax Vischnevsky et Menjajlenco 7976(o,p)
pentacameratus Orech. II257(o,p)
quadrilocularis Orech. II257(o,p)
rotaceus Orech. II257(o,p)
santonicus Orech. II257(o,p)
tetracellus Schamr. et Laz. 8472

tetralobatus Orech. II257(o,p)
tetrapyrenus Schamr. II257(o,p), I3297(o,p), I3298(p)
torosus Orech. II257(o,p)
tricameratus Orech. II257(o,p)
tricellulus Orech. II257(o,p)
tricornis Orech. II257(o,p)
tripartitus Orech. II257(o,p)
Serligia Korde
fragilis Korde 9833
gracilis Korde 9833
Shanganella Vologd.
grandis Vologd. 8I25(o,p)
tuvaica Vologd. 8I25(o,p)
Shuguria Antr.
sp. sp. 7268, 8682, 956I, 9833, I323I, I3232(p), I3233, I3236(p), I3237
flabelliformis Antr. 7269, I3235(o,p), I3236, I3237
- f. lata Antr. I3235(o,p), I3236, I3237
Siberiella Korde
sp. sp. 9823
aciculata Korde 982I(o,p), 9822(p), 9833
grandis Korde 982I(o,p), 9822, 9833
Siderocelis (Naum.) Fott
ornata Fott I0008, I0046, I0363, I0366, II739, II866, I3249, I3363
Siderocystis Korsch.
furcata Korsch. 8700
fusca Korsch. I0646, I3026
Sinzasophyton Pospelov
usovii Pospelov II698(o,p)
Siphononema Geitl.
sp. sp. I35I8
polonicum Geitl. 977I
Sirmiodinium Alb.
grossii Alb. 8048-8049(o,p)
Sirocoleus Kütz. ex Gom.
sp. sp. 9959
Sirogonium Kütz.
reticulatum Randh. I2I2I, I2I23
Snowella Elenk.
rosea (Snow) Elenk. 7802, 8038, 852I, 8700, 9694, I0008, I0026, I0II3, I02I8, I0220, I082I, I0822, I0959, III28, III90(o), II595, II88I, I2680, I3056, I35I8, I3522
Sokolovia Elenk.
neumaniae Elenk. I35I8
- f. gracilis Elenk. I35I8
Solenopora Dybovsky
sp. sp. 7267-7269, 9389, 9823, 983I, 9833, I0I82, I0233, I0237, I03I6, I0534, I3I82, I3236
angusta Korde 983I
centurionis Pia I3236
compacta Billings 8378, 9823
concentrica Masl. I323I
filiformis Nich. I3I83
gothlandica Rothpl. 8378

koivensis Tchuv. I3235(o,p), I3236, I3237
multiformis Bielokrys 7522(o), 7523(o,p)
triasina Vinassa de Regny 9831
Soranthera Post. et Rupr.
ulvoidea Post. et Rupr. 7616(o)
Sorapion Kuck.
kjellmanii (Wille) Rosenv. 9406
Sorastrum Kütz.
sp. sp. 7506
bidentatum Reinsch I0218
spinulosum Näg. 7297, 8038, 9021, 9024, 9289, 9298, 9801, I0080, I0082, I0133, I1583, I1585, I1866, I2482, I3245, I3246, I3594-I3595, I3736
- var. hathorie (Cohn) Lemm. 9801
Sorocarpus Pringsh.
micromorus (Bory) Silva I2664
Spelaeopogon (Borzi) Elenk.
sp. sp. I3518
Spermatochnus Kütz.
paradoxus (Roth) Kütz. 9418, 9420, 9421, 9424, I1409(o), I1412
Spermothamnion Aresch.
strictum (Ag.) Ardiss. 8901, 9418, 9420
Sphacelaria Lyngb.
sp. sp. 8532, I2664
arctica Harv. 7275, 7435, 7942, 8064, 9175, 9406, I0110, I1088, I1378, I3645, I3669, I3687
cirrosa (Roth) Ag. 7161, 7601, 8054, 8064, 8527, 8531, 8899, 9162(o), 9402, 9407, 9417, 9418, 9420, 9421, 9571, I0496, I0929, I1409(o), I1410-I1412, I1420, I1423
furcigera Kütz. 8054
olivacea (Dillw.) Ag. 7942, 9406, I0110, I1378
plumigera Holm. 8054, I3687
racemosa Grev. 9124, 9406, I3645
radicans (Dillw.) Ag. 9406
saxatilis (Kuck.) Sauv. 9420, 9421
subfusca Setch. et Gardn. 8054, I1383(o), I1384
variabilis Sauv. 8054
Sphaerella Sommerf.
sp. sp. I3232(p), I3233, I3237(p)
mirabilis Reitl. 7269, I3236, I3237
nivalis Sommerf. I0951
Sphaerochara Mädler
sp. sp. I0168
betpakdalaensis Masl. I0602
bogdoana (Demin) Said. I1125
decora Said. I0322, I0323, I2108(o,p), I2110
globosa (Said.) Said. 7701, 9575, 9578, 9579, I0320, I0322, I0323, I0894, I1124, I2096, I2100(o,p), I2106, I2107, I2110, I2401, I2888, I3394
headonensis (Reid et Groves) H. af R. I0602(o,p)
karpinskyi (Demin) Said. 7701, 9575, 9578, 9579, I0323, I1124, I2100(o,p), I2106, I2107, I2110, I2401, I2888, I3296, I3394
latzkovae Kis. 9575, 9576(o,p), 9577(p), 9578(o,p), 9579, I0323, I2110

prodigialis Gluchovskaja 8374(o,p)
szei Wang I0602(o)
wetlungensis Said. 9575, 9578, 9579, I0320-I0322, I0894, I1124, I1125, I2096(p), I2100(o,p), I2106, I2107, I2110, I2888
Sphaerocystiopsis Rzaeva
sp. sp. I1933
Sphaerocystis Chod.
sp. sp. 8202, 9149, 9242, I1673, I1793
planctonica (Korsch.) Bourr. 9749
polycocca Korsch. 7462, 7465, 7469, 8001, 8038, 9133, 9289, 9749(o,p); I0008, I0046, I0113, I1673, I2482, I3245, I3249, I3271, I3272
schroeteri Chod. 7226, 7227, 7243, 7246, 7249, 7250, 7462, 7465, 7469, 7507, 7749, 7757, 7799, 8001, 8038, 8310, 8313, 8554, 8555, 8700(p), 8915, 8916, 8924, 8930, 9024, 9133, 9289, 9670, 9672-9675, 9687, 9748(o), 9749, 9801, I0008, I0046, I0074, I0077, I0080, I0082, I0113, I0133, I0179, I0220, I0292, I0309, I0455, I0706, I0741, I0866, I1158, I1488, I1452, I1455, I1537, I1583-I1585, I1672, I1673, I1739, I1790, I1792, I1794, I1859, I1866, I1881, I1931, I1933, I1965, I1967, I2333, I2482, I2808, I2932, I2935, I2939, I3010, I3127, I3197, I3520, I3529, I3530, I3535, I3631
Sphaerodinium Wołosz.
sp. sp. 9749
cinctum (Ehr.) Wołosz. 9220
limneticum Wołosz. 8719
Sphaerohostoc Elenk.
sp. sp. 7250, 7645, 9104, 9110, 9499, 9666, I2091, I2638, I2647, I3518
coeruleum (Lyngb.) Elenk. 7676, 7753, 8038, 8301, 8462(o,p), 8700, 9554, 9557, 9689, 9748(o), 9749(o), 9751, 9875-9878, I0129, I0714, I0956, I1451, I1762, I1898, I2474, I2643, I2680, I3009, I3010
kihlmanii (Lemm.) Elenk. 8038, 8457, 8462, 8463, 9748(o), 9749(o,p), 9751, 9801, I0026, I0548, I0866, I1719, I1720, I2680, I3666
microscopicum (Carm.) Elenk. 7676, 7678, 7749, 8593, 9694, 9749(o), I0026, I0715, I0968, I1720, I2093, I2094, I2175, I2195, I2643, I2667(o), I3453, I3657, I3666
minutissimum (Kütz.) Kossinsk. I1671, I1720, I2195
pruniforme (Ag.) Elenk. 7704, 8457, 8461(p), 8462, 8463, 9670, I0026, I2049, I2651(o), I2680
punctiforme 8745
riabuschinskii Elenk. I2195
sphaeroides (Kütz.) Kossinsk. I0968, I1134, I1135, I1720
zetterstedtii (Aresch.) Elenk. I0026, I0968
Sphaeroplea Ag.
annulina (Roth) Ag. I1190(o,p), I0218, I0220, I2637, I2758
- f. braunii Ag. 9024
- f. crassisepta Ag. 9024
Sphaeroporella Antr.
sp. sp. 7269
aksubaica Antr. 7269(o,p)
Sphaerothallus Vologd.
sp. sp. 9828

Sphaerotrichia Kylin
sp. sp. II20I
dissessa (Setch. et Gardn.) A.Zin. 7636, 805I, 8054, 8060, 8070, 859I, 859I, II384, I2607
divaricata (Ag.) Kylin 7II8, I3633
japonica Kylin I3720
Sphaerozosma Corda ex Ralfs
sp. sp. 7250, 8038, 8308, I2333
aubertianum West 8038
- var. archeri (Gutw.) W. et G.S.West I0I60
excavatum Ralfs 9662(o,p), II866
- var. excavatum I0I60
- var. spinulosum (Delp.) Hansg. I0I60
granulatum Roy et Biss. 90I9, 9024, 9662(o), I0I34(o), I0I58, I0I60, I02I8, I0220, II866
- var. granulatum III28
vertebratum (Bréb.) Ralfs I0I60, I0866, I2479(o)
- var. latius W. et G.S.West III28
- var. minus West III28
- var. vertebratum III28
wallichii Jacobs. I2I75(o,p)
- var. anglicum W. et G.S.West 9568, I0I60
Sphenomonas Stein
quadrangularis Stein 73I3, 73I5(o), 73I7, 7326
teres (Stein) Klebs 73I5(o), 73I7
Spinidinium Cook. et Eis.
styloniferum Cook. et Eis. 8048-8049(o,p)
Spiraulax Kof.
jollifei (Mur. et Whitt.) Kof. I2223
Spirogyra Link.
sp. sp. 7048-7050, 7057, 7I56, 7I73, 7I8I, 7I83, 7I84, 7I86-7I88, 725I, 7295, 7350, 7353, 7354, 7376, 7400, 7506, 7507, 7560, 7588, 7620, 7626, 7632, 7669, 7694, 7699, 7704, 77I4, 7799, 7806, 7846, 7925, 7926, 7984, 800I, 8038, 82I6, 8239, 8266, 8298, 8300, 830I, 8308, 8309, 83I9, 8324, 8426, 8452(p), 8620, 8624, 8700, 8777, 8778(o), 8807, 8839, 8859, 8860, 8878, 8890, 8904, 8907, 89II, 89I3, 89I4, 89I8, 89I9, 90I8-9022, 9024, 905I, 9053, 9078, 9I04, 9I08, 9I24, 9I49, 9I5I, 9200, 9226, 9242, 925I, 9257, 9274, 9289, 9292, 9425, 9433-9434, 9448, 9476, 9490, 949I, 9499, 9500, 9502, 9504, 9568, 9648, 9649, 9657, 9664, 9666, 9668, 9684, 9688-9690, 9699, 9725, 9748(o), 975I, 9807, 988I, 9903, 9904, 9932, 9938, 9943, 9944-9948, I0008, I0008, I0020, I0064, I0I07, I0III, I0I26, I0I27, I0I49, I0I54, I0236, I0246, I0247, I0276-I0283, I0292, I0324, I0339, I0393, I0403, I0405, I04II, I0469, I0548, I0644, I0646, I07I5, I0849, I085I, I0855, I0877, I09I8-I0920, I0928, I0975, II077, II078, III0I, III28, III35, III82, III85, II2I0, II227, II229, II237, II406, II448, II45I, II455, II533, II583, II607, II625, II67I, II690, II697, II733, II752, II866, II88I, II93I, II933, II935, I2020, I2049, I2I24, I2I27, I2I55, I2I95, I2239, I2344, I2346, I2356, I238I, I2383, I2420, I2578-I2580, I2645, I2646, I2650, I2652, I2662, I2667, I2673, I2674, I2680, I27I0, I2746-I2748, I2857, I2870,

I2926, I2929, I2933, I2936-I2939, I2944, I2945, I2949, I2950, I3008-I30I0, I30I2-I30I5, I3078, I3I97, I32I8, I32I9, I3267, I3269, I327I, I3273, I3274, I3293, I3344, I3374, I3376, I34I2, I3482, I3488, I3503, I3504, I3508, I35II, I35I4, I35I9, I3522-I3525, I3529, I3530, I356I, I3562, I3576, I358I, I3583, I3600, I363I, I3635, I364I, I3669, I3673, I3679, I3687, I3699, I3730, I373I, I3736, I3744
affinis (Lass.) Kütz. 90I8(o), 9024
bellis (Hass.) Cl. 786I, 8I70(o), 9884, I0975
borgeana Transeau III90(o)
borysthenica Kasan. et Smirn. I35I7
- f. echinospora (Kasan. et Smirn.) V.Poljansk. II638
brunnea Czurda III90(o)
- f. pulchrifigurata (Jao) V.Poljansk. II638
budia Kütz. III90(o)
bullata f. major V.Poljansk. III90(o)
- f. minor V.Poljansk. I095I
calospora Cl. 7050, 9580, 9748(o), 9933(o,p), 9936, I0955, I0956, I3499, I3506-I3508, I35II, I35I7(o), I3524, I3528
- f. venusta (Jao) V.Poljansk. II638
catenaeformis (Hass.) Kütz. 90I8(o), III90(o), I35I7(o)
collinsii f. ampla (Jao) V.Poljansk. II638
columbiana Czurda III90(o), I3526
communis (Hass.) Kütz. 8450, I0975, III90(o), II607, I3008, I30I4, I35II
condensata (Vauch.) Czurda I0956, I3008
corrugata Transeau 9936, 9937(o,p)
crassa (Kütz.) Czurda 7383, 80I6, 8038, 8I07, 8259, 829I, 8324, 8326, 9202, 9203, 9237, 9884, 9935, 9946-9948, I0I48, I0I49, I0I5I, I0I53, III2I, II607, II932, I2049, I2073, I2346, I2347, I2746, I2747, I2905, I2906, I3499, I3506, I3508, I35II, I35I7(o), I3520, I3524
- f. crassoidea (Transeau) V.Poljansk. 8I70(o,p), II638
daedalea Lagerh. 9884
- f. africana (G.S.West) V.Poljansk. II638
- f. daedaloides (Czurda) V.Poljansk. II638
- f. oudhensis (Randh.) V.Poljansk. II638
decimina (O.P.Müll.) Czurda 8778(o), I0956, I35I7
- f. circumscissa (Czurda) V.Poljansk. 8I70(o,p), II638
- f. communis (Hass.) V.Poljansk. 8I70(o), II638
- f. juergensii (Kütz.) V.Poljansk. 8I70(o), 9933(o,p), 9936, II638
- f. longata (Vauch.) V.Poljansk. II638
- f. olivascens (Rabenh.) V.Poljansk. 8I70(o), II638
dictyospora f. subcylindrospora (Jao) V.Poljansk. II638
dixitii f. melanospora (Randh.) V.Poljansk. II638
dubia Kütz. I0956, I0975, III83, III85, I35II, I35I7
ellipsospora Transeau 8038
elongata f. rupestris (Schmidle) V.Poljansk. II638
flavescens (Hass.) Kütz. I0956, I0975
- f. parva (Hass.) V.Poljansk. II638
fluviatilis Hilse 8I07(o,p), 8I70(o,p), 8809(p), 9203, 9492, 9580, 9884, I0020, I0975, I2369, I245I, I3008, I30I4, I35I7, I3522
- f. ramosa (Swir.) V.Poljansk. II638

foveolata Czurda 9OI8(o)
gallica Petit I0975
gracilis (Hass.) Kütz. 8038, 9OI8, 9935, III9O(o)
- f. gibberosa (Jao) V.Poljansk. II638
grevilleana (Hass.) Czurda I35I7(o)
grevilleana (Hass.) Kütz. 9927, I3OI2, I3OI3
hassallii Petit I3522
heeriana f. ucrainica (Smirn.) V.Poljansk. II638
hopeiensis Jao I095I, III9O(o)
hyalina Cl. 9884
inflata (Vauch.) Kütz. IOI53, III9O(o), II932
inflata (Vauch.) Rabenh. I0956, I3008, I3OI2, I35I7, I3642, I3679
insignis (Hass.) Kütz. 9748(o), I3OI3
- f. rectangularis (Transeau) V.Poljansk. II638
- f. wangii (Li) V.Poljansk. II638
irregularis Näg. 9935
jugalis (Dillw.) Kütz. 8OI6, 9202, 9884, IOI48, IOI49
kuusamoënsis f. skujaensis V.Poljansk. II638
lagerheimii Wittr. 8I7O(o,p), IOI5I, I0956, I35II, I35I7(o)
- f. obovata (Jao) V.Poljansk. II638
liana Transeau 8I7O(o,p), III9O(o)
longata (Vauch.) Czurda 9202, I0955, I0956, I3506-I3508, I35II, I35I7
longata (Vauch.) Kütz. I0548, III83, I2368(p), I3008, I3499
- var. longata III85
majuscula (Kütz.) Czurda 8I7O(o), I0975, I3522
maxima (Hass.) Wittr. 8I07(o), 8I7O, 9884, IOI85, IOI86, IOI9O, I2637
- f. livida (Vail.) V.Poljansk. II638
- f. tenuior (Magn. et Wille) V.Poljansk. II638
mirabilis (Hass.) Kütz. 9088
nawaschinii Kasan. 9884, I35I7
neglecta (Hass.) Kütz. 8I07(o), 8255, 829I, 9884, I0975, I3008, I3OI2, I35II, I35I7(o), I3526, I3527
- f. fuellebornii (Schmidle) V.Poljansk. II638
- f. varians (Singh) V.Poljansk. II638
nitida (Dillw.) Link. 9884, 9935, III83, III85
- f. paradoxa (Rao) V.Poljansk. II638
occidentalis f. striata (Bourr. et Mang.) V.Poljansk. II638
olivascens Rabenh. 8304
oudhensis Randh. I2I2I, I2I23
paraguayensis f. rhizobrachialis (Jao) V.Poljansk. II638
parvula (Transeau) Czurda 8I7O(o,p)
pellucida (Hass.) Kütz. 958I, I0975, I35I7(o)
- f. minor (Tiffany) V.Poljansk. II638
- f. sphaerospora (Hirn.) V.Poljansk. II638
porticalis (O.F.Müll.) Petit 7I82, 8038, 9024, 9935, 9936, 9937(o,p), I2825
- f. cylindrosperma (W. et G.S.West) V.Poljansk. II638
pratensis Transeau I0956, I0975
- f. fennica (Cederc.) V.Poljansk. II638
- f. minor (Woronich.) V.Poljansk. II638
protecta H.Wood I2346, I2905
pseudospreeiana Jao III9O(o)

punctata Cl. 7050, 8I7O(o,p), I0956, I0975, I35I7(o), I3522
- f. esthonica (Skuja) V.Poljansk. II638
punctiformis Transeau 8OI6, IOI49, I0975, I35I7
quinina Kütz. I2368(p)
ralfsii (Hass.) De Bary -9936
ramosa Swir. II866
reinhardii Chmiel. 9884
reticulata Nordst. 8I07(o,p)
- f. acanthophora (Skuja) V.Poljansk. II638
- f. czurdae V.Poljansk. II638
- f. nawaschinii (Kasan.) V.Poljansk. II638
- f. regularis (Cederc.) V.Poljansk. II638
rivularis (Hass.) Kütz. 9936
rivularis Rabenh. 7296
- f. minor (Hansg.) V.Poljansk. II638
rugulosa Iwan. IOI48, I0956, I0975, I3522
setiformis (Roth) Kütz. 829I, 9202, 9664, 9884, IOI5I, I35II, I35I7
- f. margaritata (Wollny) V.Poljansk. II638
skujae f. lushanensis (Li) V.Poljansk. II638
stictica (Engl. Bot.) Wille 9936, 9937(o,p), IOI49, IOI53, I0956, I35I7(o)
- f. tenuior (Transeau) V.Poljansk. II638
subcrassa Woronich. 8I07(o,p)
submaxima f. lamellata (Rao) V.Poljansk. II638
- f. major (Skv.) V.Poljansk. II638
- f. mongolica (Skv.) V.Poljansk. II638
- f. oryzetorum (Skv.) V. Poljansk. II638
subsalsa Kütz. 8899*
- f. gracilis (Borge) V.Poljansk. II638
- f. punctulata Krasnoperova 993I(o,p)
tenuissima (Hass.) Kütz. 8038, 8450, III9O(o), I35I7
- f. cylindrica (Czurda) V.Poljansk. 9933(o,p), 9936, II638
- f. rugosa (Transeau) V.Poljansk. II638
ternata Ripart 9936, 9937(o,p), III9O(o)
ucrainica Smirn. 7560, 7704, 7834, 7840
varians (Kütz.) Czurda 9024, 9202, 9203, I0956, II932, I2050, I2095, I3507, I35I7(o)
- f. circumlineata (Transeau) V.Poljansk. 8I7O(o,p), II638
- f. gracilis Borge IOI29
- f. minor Teod. 8I7O(o,p)
varians (Hass.) Kütz. IOI27, IOI29, I3008
- f. bicalyptrata (Czurda) V.Poljansk. II638
- f. woodsii (Hass.) V.Poljansk. II638
velata f. ellipsoidea (Wang) V.Poljansk. II638
weberi (Kütz.) Czurda 7296, 8OI6, 8625, IOI48, IOI49, IOI53, III9O(o), I2095, I35II, I3669
- f. farlowii (Transeau) V.Poljansk. II638
- f. grevilleana (Hass.) V.Poljansk. II638
- f. tjibodensis (Faber) V.Poljansk. II638

Spiromonas Skuja
angusta 8266

Spirotaenia Bréb. ex Ralfs
sp. 9446
bohemica Lütkem. 9024
condensata Bréb. 9024, I0I60, I2667(o)
obscura Ralfs I0I60
trabeculata A.Br. 9932
Spirulina Turp. ex Gom.
sp. sp. 7I64, 7I73, 7249, 7353, 7362, 760I, 7805, 8038, 8505, 8559, 8725, 9220, 9499, 96I7, 9654, 9749, 9765, I0027, I0548, I0550, II579, I209I, I2I27, I2I7I, I3009, I30I0, I30I2, I3246, I3274, I3488, I35I4, I3736, I3750
abbreviata Lemm. 9694, 980I, I0026, I3009, I30I0
albida Kolkwitz 8454, I0026
caldaria Tild. 980I
corakiana Playf. 8725, 9694, I0I50, I353I
flavovirens Wisl. 7049, 8777*, 9242, I2095
fusiformis Woronich. II93I, II932, II935, I30I2
gomontiana (Setch.) Geitl. I35I7(o)
jenneri (Hass.) Kütz. 7802, 7805, 7992, 800I, 8700, 8745, 8940, 980I, I0026, I0046, I0080, I0644, I0798, I0955, I0956, II03I, II45I, II537, II866, I2320, I2637, I27I0, I2776, I2784, I35I8, I3590, I3642
- f. subconstricta Elenk. I2809
- f. tenuior (Hansg.) Elenk. 8038, I0247, I0548, I3009, I30I0
labyrinthiformis (Menegh.) Gom. 9I23, 9649, 9652, 9694, I2090, I35I7(o), I3522
laxa G.Sm. 7992, 9476, I0026, I0798, II866, I2I22, I3I86, I35I7(o), I3522, I3524
laxissima G.S.West 8038, 8725, 9580, 9959, II866, I30I0, I3I86, I3520, I3522, I353I
- f. lacustris Obuch. III92
major Kütz. 7I82, 7I83, 72I5, 72I8, 7222, 7248, 7802, 7984, 800I, 8035, 8038, 8559, 8776, 8859, 9I23, 9292, 9298, 9476, 9580, 9649, 9652, 9664, 9666, 9668, 9694, 9768, 980I, 9944, I0026, I0I26, I0I48, I0I5I, I0247, I0548, I0646, I07I5, I0955, I0956, III84, III90(o), II442, II753, II756, II757, II865, I2020, I2090, I2092, I2093, I2095, I2643, I2650, I2652, I2656, I2680, I27I0, I28I9, I2936, I2937, I2939, I30I0, I30I2-I30I4, I327I, I3274, I3499, I35II, I35I4, I35I7(o), I3518, I3520, I3522, I3528, I3530, I3583, I3590, I3642
meneghiniana Zanard. 9220, 9580, 9664, 980I, I0I49 - I0I5I, II930, I2020, I30I2, I35I7, I3524
minima Wurtz 7222, I3504, I35I7(o), I3526
minor 7222
okensis (C.Meyer) Geitl. I0646, I3274
platensis (Nordst.) Geitl. I003I, II520
princeps W. et G.S.West 8942
pseudovacuolata Uterm. 8778(o)
schroederi Koppe 9749(o), I2680
subsalsa Oersted I27I0
subtilissima Kütz. 7050, 7I83, 7802, 8035, 8038, 8778(o), 9I23, 9580, 9652, 9694, 980I, 9959, I0026, I0I49, II42I, II442, II932, I2050, I205I, I2090, I2637, I2650, I265I(o), I33I2, I33I3, I35I7(o), I3522

tenerrima Kütz. 9I23, I2393
tenuior (Lagerh.) Kirchn. I0956
tenuissima Kütz. 7983, 8000, 8035, 8064, 8778(o), 8899, 92I4, 92I5, 9220, 9242, 9649, 9694, 9768, 980I, I0026, I0080, I0548, II442, II537, II57I, II756, II865, I2049-I205I, I2680, I32I4, I32I5, I35I4, I35I7, I3524, I3528
- f. crassior (Vir.) Elenk. 7802, 8778(o)
- f. salina (Wi
thermalis (Kütz.) Rabenh. I35I4
Spondylomorum Ehr.
quaternarium Ehr. II88I, I2776, I2784
Spondylosium Bréb. ex Kütz.
sp. sp. 8038, I0008, I2333, I2933, I2949
depressum Bréb. I0I60
ellipticum W. et G.S.West 8473
panduriforme (Heimerl) Teil. I0I60
papillatum W. et G.S.West 8038
papillosum W. et G.S.West 8700, 902I, 9662(o,p), III28
planum (Wolle) W. et G.S.West 8038, 830I, 8473, 8700, 90I8(o), 902I, 9I08, 9568, 9932, I0I33, I0I34(o), I0I58, I0I60, I0I62, I02I8, I0220, I0959, III28, II45I, II88I, I2I22, I2I75(o,p), I363I
pulchellum Arch. I0I58, I0I60, I0I62, I082I, I0822, II88I, I2I75(o,p), I2479(o)
pygmaeum (Cooke) West I0I48, I0I49
- var. moline (Turn.) W. et G.S.West 8700, II45I
Spongiophyton Kräusel
minutissimum Kräusel 7I76(o,p)
Spongodinium Defl.
delitiense (Ehr.) Defl. 8048-8049(o,p)
Spongomorpha Kütz.
sp. sp. 7433, 76I5, 9I24, 9I52, 9I54, I0II0, I2664, I303I, I3633
arcta (Dillw.) Kütz. 8054, 8279, I0II0, I2664, I3036, I3633
bombycina (Kjellm.) Wille 7606, 7608, 76II, 8550, II378
duriuscula (Rupr.) Coll. 8054, 8060, 8070, I2664
- var. tenuis Yamada I3633, I3634
heterocladia Sakai II383(o)
hystrix Strömf. 9406
lanosa (Roth) Kütz. 760I, 807I(o), 8073, 8279, I0II0, I2664, I2907
mertensii (Rupr.) Setch. et Gardn. 8054
pallida (Kjellm.) Wille 7608, 76II, 8550, II378
saxatilis (Rupr.) Coll. 8054, I2664, I3633
spinescens Kütz. I0II0
vernalis (Kjellm.) Jonss. 7940(o), 7942, 9I20
Spongonema Kütz.
tomentosum (Huds.) Kütz. 8550
Spongophycus Korde
sp. sp. 9823, 9833
angaricus Korde I2752
Sporinula Korde
palmata Korde 9833
Squamula Luljewa
festiva Luljewa I0427(o,p), I0433, I0434

Staurastrum Meyen ex Ralfs
sp. sp. 7249, 7250, 7400, 7462, 7469, 7506, 8038, 8300, 830I, 8749, 8750, 8836, 89I2, 9I04, 9I06, 9I33-9I35, 9I49, 9220, 9257, 9289, 9357, 9500, 9649, 9749(o), 9752, 98I9, 9944, I0042, I0046, I0242, I0245, I0306, I0324, I0646, I0822, II077, III98, II274, II45I, II537, II550, II583, II670, II672, II673, I2I75, I2236, I2320, I2323, I2324, I2327, I2333, I2477, I2578, I2585, I2580, I26I2, I2667, I2747, I2949, I3055, I306I, I3I99, I3245, I3246, I327I, I3272, I3488, I363I, I3646, I3657, I3679, I3689, I3704, I3736, I3747
acarides Nordst. I0035
acestrophorum var. subgenuinum Grönbl. I0I60
aciculiferum (West) Anders. I0I60, I0I62, I0996
aculeatum (Ehr.) Menegh. 9568, I0I60, I2I75, I2479(o), I276I, I2762
affine W. et G.S.West I3249
alternans Bréb. 8890, I0I57, I0I58, I0I60-I0I62, III90(o), II88I, I3249, I35I7(o), I3526
anatinum Cooke et Wills 8700, 9568, I0080, I0I59, I0309, II45I
- var. anatinum I0I60
- var. curtum G.Sm. I0I60
- var. longibrachiatum W. et G.S.West I0I60
angulatum West I3583
apiculatum Bréb. 9478, 9662(o), 9749(o,p), I0280, I2479(o), I3245
arachne Ralfs 90I9, 9568, I0I57, I0I59, I0I60, I0I62, I0959
- var. curvatum W. et G.S.West 8038, 9568, 98I9, 9932, II88I
arctiscon (Ehr.) Lund. 8308, 8473, I0I34(o,p), I0I58-I0I60, I0I62
aristiferum Ralfs II866, I2I75, I2479(o)
aversum Lund. I0080, I0I58
avicula Bréb. I0I53, I02I8, I0220, II866, I2479(o)
- var. avicula I0I60
- var. subarcuatum (Wolle) W. et G.S.West I0I60
bicorne Hauptfl. I0I59, I0I60
bifidum (Ehr.) Bréb. I0I34(o), II866
boreale W. et G.S.West I0080, I2I75
brachiatum Ralfs 8700, I0I57-I0I60, I0I62, I2I75
brasiliense Nordst. I3654
- var. lundellii W. et G.S.West I0I60
brebissonii Arch. 7806, 9478, 9568, 9749(o), I082I, I2479(o)
- var. brebissonii I0I60
- var. truncatum Grönbl. I0I60
brevispinum Bréb. 830I, I0I57, I0I59, I2479(o), I2482
bullardii G.Sm. I0I60, I0220
capitulum Bréb. I0033, I0I60, I2667(o), I3654
- var. spetsbergense (Nordst.) Cooke I0035
cerastes Lund. I0I60, I2I75, I3654
chaetoceros (Schröd.) G.Sm. 945I, I0I57, I0I59-I0I62, I02I8, I3535, I363I(p)
cingulum (W. et G.S.West) G.Sm. var. cingulum I0I60
- var. obesum G.Sm. I0I60-I0I62, I02I8, I0220, I363I
clevei (Wittr.) Roy et Biss. I0I60, I2I75
commutatum (Kütz.) Ralfs II866, I3594, I3642
connatum (Lund.) Roy et Biss. I0I57

conspicuum W. et G.S.West I2I75
crenulatum (Näg.) Delp. 9662(o), I0I60, I363I
cristatum (Näg.) Arch. 9749(o,p), I0I60
curvatum West 8473, 8700, 9932
cuspidatum Bréb. 8038, 9298, I0I34(o), I0I77, II88I, I2479(o), I3642
- var. maximum West 9568, I2I75
cyclacanthum var. brevissimum Pal.-Mordv. II290(o,p)
- var. dissimile Pal.-Mordv. II290(o,p)
cyrtocerum Bréb. 8700, I0I49, I0I60, I2I75
dejectum Bréb. 800I, 8038, 83I0, 9568, 9749(o), 9932, I0080, I0548, I082I, II292, II866, I2I22, I2I75, I2479(o)
- var. inflatum West 945I
- f. majus W. et G.S.West 8700, II455
denticulatum (Näg.) Arch. 9568, I0I60, II866, I3246, I3249
dickiei Ralfs I2479(o)
dilatatum Ehr. 9662(o), 9694, I0I60, I2479(o)
- var. hibernicum West I3499, I35I7(o)
dispar Bréb. I3499, I35I7(o)
disputatum var. sinense (Lütkem.) W. et G.S.West I0I60
donardense West I0I49
echinatum Bréb. I0008, I0I60, II88I, I276I, I2762, I3245
elongatum Barker I2I75
erasum Bréb. I0I60
eurycerum Skuja I0I60
forficulatum Lund. I0I60
furcatum (Ehr.) Bréb. 8700, I0I60, II292, II45I
furcigerum Bréb. 9749, I0I49, I0I57-I0I59, I0I62, I02I8, I0220, II866, I2I75
- f. armigerum (Bréb.) Nordst. 8700, II455
- f. eustephanum (Ehr.) Nordst. I0I60
- f. furcigerum I0I60
gemelliparum Nordst. 9648, 9662(o), II292, I2I75
gladiosum Turn. 9446
glaphyrum W. et G.S.West 8038
gracile Ralfs 72I5, 7462, 7469, 8038, 830I, 83I3, 8554, 8700(p), 8859, 90I8(o), 902I, 9080, 9I08, 9242, 9257, 9289, 9298, 9568, 9662(o), 9749(o), 980I, I0008, I0046, I0080, I0082, I0I33, I0548, II039, II292, II455, II866, II933, I2I75, I2393, I2479(o), I2482, I2579, I2645, I2657(o), I27I0, I3008, I327I, I3274, I3520, I3589, I3590, I3594-I3595, I364I, I3642, I3689
- var. bullosum West 9568
- var. gracile I0I60, III28
- var. nanum Wille I0080, I0I60, I2I75
- var. tenuissimum Boldt 9932
grande Bulnh. I0II3, I0I60, I0I62
granulosum (Ehr.) Ralfs 8038, I0I60
hexacerum (Ehr.) Wittr. I0I60
hirsutum (Ehr.) Bréb. 90I9, I0I60
hystrix Ralfs I0I60, I2I75
inconspicuum Nordst. I0I57, I0I59, I0I60, I0I62, I2I75
inflexum Bréb. 8038, I0I57, I0I59, I0I60
insigne Lund. I0035
jaculiferum (West) Teil. I0080, II88I

- f. longicorne Roy 8473
johnsonii W. et G.S.West I0I60, I328I
- var. uralense Woronich. I0035
laeve Ralfs I0I60, I0I62
laevispinum Biss. I0I60, I0I62
lanceolatum Arch. I2479(o), I2680
lapponicum (Schmidle) Grönbl. I0I60
leptocladum Nordst. I0I60, I02I8, I0220, II866
- var. cornutum Wille I0I33, I0I34(o,p)
- var. leptocladum I0I33
- var. rollii Pal.-Mordv. II29I(o,p)
leptodermum Lund. 9932
longipes (Nordst.) Teil. I0I60-I0I62, I02I8, I0220, I363I
longispinum (Bail.) Arch. I0I60, I0I62, I3654
luetkemuelleri Donat et Ruttn. I0I60, I0220
lunatum Ralfs 7297, I0959, II866, I2680
- var. lunatum 8700, I0I60, II45I
- var. planctonicum West 8473, 8700, 9662(o,p), I0I57, I0I60-I0I62, I0309, I0959, II45I, II452, II88I
maamense Arch. I0I60
manfeldtii var. annulatum W. et G.S.West I0I60
- var. manfeldtii I0I60
margaritaceum (Ehr.) Menegh. I0I59, I35I7(o)
- var. hirtum Nordst. 90I9
- var. margaritaceum I0I60
- var. robustum W. et G.S.West I0I60
merianii Reinsch I0035
messikommeri Lundb. I0I60, I0220
micron W. et G.S.West I0I60
minutissimum Reinsch I35I7(o)
- var. convexum W. et G.S.West I35I7(o)
monticulosum var. bifarium Nordst. I0I60
mucronatum Ralfs I35I7(o)
muricatum Bréb. I0I60, I2479(o)
muticum Bréb. 8038, 90I9, 9568, 9749(o,p), I0I60, III28, II292, I2I24, I2479(o), I3246, I3249, I35I7(o)
- f. minus Wolle I0956
natator West I0I60
neglectum G.S.West 9662(o)
oligacanthum var. podlachicum West I0I60
ophiura Lund. I0I60, II88I
orbiculare Ralfs 980I, I0644, II866, I2479(o)
- var. angulatum Kaiser I0I60
- var. depressum Roy et Biss. 8038, 9694, I0I29, I0I34(o,p), I0I60
- var. hibernicum W. et G.S.West I0I60, I2667(o)
- var. orbiculare I0I60
- var. ralfsii W. et G.S.West I0I60, I2667(o)
oxyacanthum Arch. 9749(o), II866
- var. oxyacanthum I0I60
- var. polyacanthum Nordst. I0I60
pachyrhynchum Nordst. I0I29, I0I34(o,p)
papillosum var. paucispinum Schröd. 8038
paradoxum Meyen 7294, 7462, 7469, 7507, 7806, 800I, 8038, 8473, 8700, 8904, 8905, 89I2, 9289, 9478, 9568, 9649, 9675, 9686,

9687, 9749(o), 980I, 9932, 9944, I0008, I0046, I0080, I0II3, I0I30, I0I58, I0I60, I0646, I082I, I0866, I0959, II073, II292, II45I, II455, II866, II88I, II933, I2049, I2320, I2478, I2479(o), I2482, I27I0, I3245, I3246, I3249, I3526, I3530, I3535, I3583, I363I, I3642
- f. bifidum Meyen II866
- f. biradiatum Meyen I3246, I3249
- var. evolutum W. et G.S.West 9568, 9662(o)
- var. longipes Nordst. 8038, I0080
- - f. majus Nordst. I074I
- var. paradoxum 9662(o), III28
paulense var. ornatum Krieg. I0I60
pelagicum W. et G.S.West 8700(p), I0I60
petsamoënse Järnef. 830I, 8306-8308, I0035
pileolatum Bréb. I0033
pilosum (Näg.) Arch. 830I, I0I60, I2479(o), I2667(o), I3689
pingue Teil. I0I60-I0I62, I0220
planctonicum Teil. I0I57-I0I62, I02I8, I0220, I363I
polymorphum Bréb. 7702, 8308, 9687, 9749(o), 980I, III90(o), II866, I2479(o)
- var. divergens Nyg. I0I60
- var. polymorphum I0I60
- var. pusillum West I0I60
polytrichum (Perty) Rabenh. I0I60, I2479(o)
proboscideum (Bréb.) Arch. I0080, I0I60
pseudocuspidatum Roy et Biss. I0I34(o)
pseudopachyrhynchum Wolle 945I
pseudopelagicum W. et G.S.West 8700, I0046, II455, II866, II88I
- var. pseudopelagicum I0I60
- var. tumidum G.Sm. I0I60-I0I62, I0220
pseudosebaldii Wille I0I60, II866, I2479(o)
- var. simplicius West 9662(o)
punctulatum Bréb. 7702, 800I, 830I, 8303, 8304, 8308, 9024, 9478, 9649, I0I29, I0I34(o), I02I8, I0220
- var. kjellmanii Wille I0I60
- var. punctulatum 8306, I0I60
- var. pygmaeum W. et G.S.West 90I8(o), I0I60
- var. striatum W. et G.S.West 8306, I2667(o)
- var. subproductum W. et G.S.West I0I60
quadrangulare Bréb. I0I60, I2479(o)
- var. contectum (Turn.) Grönbl. I0I34(o,p)
quadratum I0I57
quadrispinatum f. minus Kossinsk. I0I60
ravenelii H.Wood I2680
renardii Reinsch I0I60
retusum Turn. 9694
- var. boreale W. et G.S.West I2680
scabrum Bréb. I0I60
sebaldii Reinsch I0035, II866
- var. ornatum Nordst. I0I34(o)
- - f. ornatum I0I60
- - f. planctonicum (Lütkem.) Teil. I0I60
- var. productum W. et G.S.West I0I60
- var. sebaldii I0I34(o,p), I0I60
senarium (Ehr.) Ralfs I0080, I0I60, I2667(o)

setigerum Cl. 9448, I2I75
- var. apertum Pal.-Mordv. I0I60, II290(o,p), I363I
- var. setigerum 945I, I0I60
sexangulare (Bulnh.) Lund. I0I60, I0I62
sexcostatum var. productum West I0I34(o,p)
simonyi Heimerl. 9662(o), I0I60
smithii Teil. var. smithii I0I60
- var. verrucosum Nyg. I0I60-I0I62
spongiosum var. griffischianum (Näg.) Lagerh. I2667(o)
- var. perbifidum West I0I60, I2667(o)
striolatum (Näg.) Arch. I0I60, I35I7(o)
subcruciatum Cooke et Wille III84
- var. demissum Pal.-Mordv. II290(o,p)
subgracillimum W. et G.S.West I2579
subnudibrachiatum W. et G.S.West I0I60
teliferum Ralfs 8700, 9446, 9648, 9662(o), I0I59, I0I60, II455, II866
tenuissimum var. anomalum Lemm. I0I60
tetracerum Ralfs 72I7, 7294, 7626, 7806, 8859, 9298, 9478, 9499, 9500, 9648, 9662(o,p), 980I, 9944, 9959, I0080, I0082, I0I57, I0I59, I0I62, I0869, I0870, II866, I2478, I2479(o), I327I, I3272, I3274
- var. subexavatum Grönbl. I0I34(o)
- f. tetracerum I0I60
- f. trigonum Lund. I0I60
- var. validum W. et G.S.West I0080, II866
tohopekaligense Wolle I0I57-I0I6I, I3504, I363I
turgescens De Not. 9662(o), I0I60
ucrainicum Pal.-Mordv. II290(o,p), II292
urinator var. brasiliense Grönbl. I0I34(o)
vestitum Ralfs 8700, 980I, I0I59, I02I8, I0220, II45I, I2I75, I3009, I30I0, I3202
- var. subanatinum W. et G.S.West I0I60
- var. vestitum I0I60

Staurodesmus Teil.

sp. I0996
apiculatus (Bréb.) Florin I0I60
aristiferus (Ralfs) Florin I0I60, I0I62
aversus (Lund.) Lillier. I0I60
brevispinus var. boldtii (Lagerh.) Croasd. I0I60
brevispinus (Bréb.) Croasd. var. brevispinus I0I60
bulnheimii (Racib.) Brook I0I60, I0I62
convergens (Ehr.) Lillier. I0I60, I0I62
curvatus (West) Thunm. I0I60, I0I62
cuspidatus (Bréb.) Teil. I0I58, I02I8, I0220, I363I
- subsp. tricuspidatus var. acuminatus (Nyg.) Florin I0I60
- - var. canadensis (G.Sm.) Brook I0I60
- - var. tricuspidatus I0I60
dejectus (Bréb.) Teil. I0I60
dickiei var. circularis (Turn.) Croasd. I0I60
dickiei (Ralfs) Lillier. var. dickiei I0I60
- var. rhomboideus (W. et G.S.West) Lillier. I0I60
extensus (Anders.) Teil. I0I60, I363I
glaber (Ehr.) Teil. I0I58, I0I6I, I0I62, I363I
- subsp. brebissonii (Racib.) Teil. I0I60

indentatus subsp. indentatus f. brevispina Teil. I0I60
indentatus (W. et G.S.West) Teil. subsp. indentatus f. indentatus I0I60
jaculiferus (West) Teil. I0I60
joshuae (Gutw.) Teil. I0I60, I0I62
leptodermus (Lund.) Thom. I0I60-I0I62, I363I(p)
megacanthus var. scoticus (W. et G.S.West) Florin I0I60
sellatus Teil. I0I6I, I363I
- subsp. jasobsenii Teil. I0I60
- subsp. sellatus I0I60, I0I62
spencerianus subsp. quadrangularis Teil. I0I60, I0I62
spencerianus (Mask.) Teil. subsp. spencerianus I0I60, I0I62
triangularis (Lagerh.) Teil. I0I60

Staurolithites Caratini

sp. sp. I3472, I3473
bochotnicae Górka I0428, I0430, I3469
crux Defl. et Fert I0427(p), I0433, I0434
fibratus Schumenko I3469
interratus Reinh. I3466
limbitenuis Reinh. I3466, I3468(p), I3469, I347I(o,p)
mielnicensis Górka I0428, I0430
turriseiffelii (Reinh.) Defl. I3466, I3469, I347I(o,p)

Stauroneis Ehr.

sp. sp. 7040, 7I88, 7222, 7287, 7378, 7438, 7492, 7496, 7497, 7676, 878I, 9379, 9502, 9748, I0099, I0220, I0309, I04I4, I0939, II424, II694, II88I, I2320, I2937-I2939, I3027, I3206, I3352, I3453, I3583
acuta W.Sm. 7I30, 7I37, 7I39, 7490, 7973, 8423, 878I, 8896, 8976, 8988, 9057, 9060, 9444, 9445, I0099, I020I, I024I, I0665, I0939, II123, II3II, II866, I2776, I2784, I289I, I30I4, I3I68, I3I7I, I320I, I3668
- f. acuta II694
- f. inflata (Heid.) Freng. II694
alabamae Heid. I0902
anceps Ehr. 7054, 7I38, 7I39, 7I42, 7373, 7376, 7973, 800I, 8038, 830I, 8384, 8422, 8738, 878I, 8976, 898I, 9057, 9059, 9060, 9087(p), 9242, 9379, 9568, 9580, 9749(o), 980I, 9932, I0047, I0080, I0099, I0202, I024I, I0388, I0646, I07I5, I0939, I0956, II223, II529, II530, II693, II695, II720, II866, II908, II930, I2347, I2405, I2579, I2680, I2933, I3I68, I320I, I3354, I35II, I35I7(o), I3583, I3642, I3668, I3757(o)
- var. anceps 8700, 9444, 9445, I27I0
- - f. anceps I0247, II694
- - f. gracilis Rabenh. I0247, II694
- - f. linearis (Ehr.) Rabenh. II694
- var. baikalensis Skv. I3756(o,p)
- var. gracilis (Ehr.) Cl. 878I, 980I, I024I, III94(o), II693, I3354
- f. gracilis (Ehr.) Cl. 800I, 8038, 90I8(o), 9057, 9444, 9445, I0046, I0220, II223, II866, I2320, I27I0, I3009, I30I0, I3I68, I3354, I3668
- var. hyalina Brun et M.Perag. 830I, 878I, 9749(o), 980I, II694, II866, I3I68, I3354
- f. hyalina Brun et M.Perag. I0046

- var. leiostauron A.Cl. I02I8
- var. linearis (Ehr.) Cl. 7973, 878I, 980I, I0I48, I02I8, I2347, I27I0, I3354
- f. linearis (Ehr.) Cl. 8249, 830I, 9444, 9749(o), I0220, I024I, I3757(o)
- var. sibira Grun. 7054, 8700, I0646, I3526
aspera Ehr. 9220
baikalensis Skv. I020I, I3756(o,p)
borrichii (Boye-Pet.) J.Lund 7373, 7754, 7755, I3453
- var. subcapitata Boye-Pet. 7749
constricta (W.Sm.) Cl. II442
dilatata Ehr. 7489, 7973, I0646
gracilis (Dipp.) Hust. I3008
granii Jörg. I2004
inflata Heid. 7489, 7973, 8976, I020I
kriegeri Patrick II694
lapponica A.Cl. I02I8, I0220
lauenburgiana Hust. II694
legumen (Ehr.) Kütz. 878I, II694, I3668
- f. gracilis Tschern. I3352
montana Krasske 8038, 90I8(o), 9749(o)
nana Hust. II694
obtusa Lagerst. 9444
parvula Grun. 7054, 7973, 878I, 9449, 9749(o), 980I, I020I, II908, I3I68
- var. parvula 8700
- var. prominula Grun. 7973, I02I8, II442
phoenicenteron (Nitzsch) Ehr. 7054, 7I32, 7I39, 7I42, 72I5, 7489, 7492, 7497, 783I, 7973, 7975, 800I, 8038, 8207, 8247, 8248, 8266, 830I, 8422, 8473, 8709, 8738, 878I, 898I, 9029, 9057-9060, 9297, 9298, 9360, 9444, 9445, 9504, 9568, 9694, 9748, 9749(o), 980I, 98I9, 9932, I0046, I0047, I0099, I020I, I0202, I02I8, I0220, I024I, I0388, I0646, I0939, II222, II223, II530, II559, II579, II695, II866, II908, II9I0, II930, I2049, I205I, I2320, I2405, I3I63, I3I68, I320I, I3207, I3246, I3354, I3526, I363I, I3646, I3647, I3668, I3756(o,p), I3757(o)
- var. brevis Dipp. 7054, 8700(p)
- f. brevis (Dipp.) Hust. I2320, I3499, I35I7(o)
- var. gracilis Dipp. I3759(o,p)
- f. gracilis (Dipp.) Hust. 8038, I0548, II694, I30I4
- var. phoenicenteron 8423, 8700(p), 9459, 972I, I0247, III84, III94(o), II694
- var. signata Meist. 9748(o)
prominula (Grun.) Hust. I0220, II694
pygmaea Krieg. 7973, 8422, 9447(o), II693, I2405, I3I68, I3668
recondita Krasske II694, II695
reicheltii Heid. I3I68
salebrosa Nik. II080
salina W.Sm. 8034, 9444, 9445, 9464(o), 980I, II442, II57I, II579, I35I7(o), I3527
schulzii Jousé 7973, 878I, 9057, I0220, III28, III94(o,p), I3I68
smithii Grun. 7973, 878I, 9057, 980I, 98I9, I0956, III90(o), I27I0, I3I68, I3354
- var. incisa Pant. 7973, 878I, 980I, I02I8, I0220, I0902, II694

- var. karelica Wisl. et Kolbe 7054, 7973, 8038, 8700(p), 878I, 9057, 9444, 9749(o), I02I8, I0220
- var. smithii 9444, 9445, I02I8, I0220, II694
wislouchii Poretzky et Anissim. 8034, 9444, 9445, II57I, I35I7(o)
- var. parva Poretzky et Anissim. II57I, I3524
Stellaphyton Istschenko
lamellus Istschenko 9336(o,p)
Stellaria
symbolophora (Grun.) Jörg. I3707
symmetrica Jousé I3707
Stellatochara H. af R.
sp. sp. I0I68, I2096, I2I07
belorussica Said. I2097-I2098
bulgarica Said. I0322, I0323, I2I08(o,p), I2II0
dnjeprovica Said. 770I, 9575, 9578, I0320, I0322, I0323, I2096-I2098, I2I00(o,p), I2I06, I2I07, I2888
dnjeproviformis Said. 9575, 9577(p), 9578, I0320, I0322, I0323, I0893, I2096(p), I2I00(o,p), I2I06, I2I07, I2II0, I2888
donbassica (Demin) Said. 770I, 9575, 9577(p), 9578, I0320, I0322, I0893, I0894, I2096, I2I00(o,p), I2I06, I2I07, I2II0, I2888
hollvicensis H. af R. 770I, 9575, 9577(p), 9578, I0320, I0322, I0893, I2096-I2098, I2I00(o,p), I2I06, I2I07, I2II0, I2888, I3752
maedleri H. af R. 9575, 9578, 9579, I0320, I2096-I2098, I2I00(o,p), I2I06, I2I07, I2II0, I3263, I3752
maedleriformis Said. 9575, 9578, 9579, I032I, I0894, III24, III25, I2096(p), I2I00(o,p), I2I06, I2I07, I2II0, I2888
mundula Peck I0I68
obovata Peck I3462
schneiderae Said. 770I, 9575, 9578, 9579, I0320, I0322, I2096(p), I2I00(o,p), I2I06, I2I07, I2888, I3263
sellingii H. af R. I0320, I0322, I2096, I2I00(o), I2I06, I2II0, I2888, I3752
Stenochara Gramb.
sp. sp. 9575, I0320, I2I07, I2II0
blanda Said. I0322, I0323, I2I08(o,p), I2II0
dnjeprovica Said. I2II0
donetziana (Said.) Gramb. 770I, 9575, 9578, 9579, I0320-I0322, I0893, I0894, I2I00(o,p), I2I03, I2I06, I2I07, I2II0
elongata Said. 770I, 9208, 9575, 9577(p), 9578, 9579, I0320-I0323, I0894, I2I00(o,p), I2I06, I2I07
maedleri (H. af R.) Gramb. 9575, 9578, 9579, I0320, I0322, I2I00(o,p), I2I06, I2I07, I2II0, I3263
ovata Said. 770I, 9575, 9577(p), 9578, I0322, I0323, I0893, I0894, I2I00(o,p), I2I03, I2I06, I2I07, I2II0
seudoglypta (H. af R.) Gramb. 770I, 9575, 9578, 9579, I0322, I0893, I2I00(o), I2I06, I2I07, I2II0, I3263
pseudoovata Said. I0322, I0323, I2I08(o,p), I2II0
rantzienii Said. I0322, I0323, I2I08(o,p), I2II0
saratoviensis Kis. 9573-9574(o,p), 9575, 9577(p), I0323, I2II0
shaikinii Said. 9575, 9578, 9579, I0322, I0323, I2I00(o,p), I2I06, I3263
Stenogrammiella Radczenko
tomiensis (Radczenko) Radczenko 8478(o,p)

Stenokalyx Schill.
sp. sp. I022I, I0365, II793
cylindrica Schmid 800I, 87I4(o,p), 87I6, 9882, I0046, I3I27
densata Schmid 800I, 87I4(o,p), 87I5, 87I6, 9882, I0008, I0363, I0366, I3I27
inconstans Schmid 800I, 8308, 87I4(o,p), 87I6, I0008, I0043(o,p), I0044, I0046, I0I73, I0I75, I0I77, I0220, I3075(o,p), I3I27
laticollis Conr. 87I4(o), 87I6, I0363, I0366, I3I27
monilifera Schmid 800I, 8556, 87I4(o,p), 87I6, I0043(o,p), I0044, I0046, I0364, II866, I3I27
parvula Schmidle 90I0
tubiformis Pott 9882, II866
Stenopterobia Bréb. ex V. H.
intermedia Lewis II694, I3354, I3757
- var. capitata Pont. I0309
Stephanodiscus Ehr.
sp. sp. 7243, 7465, 7506, 7804, 7805, 8038, 8202, 8259, 8264, 83I5, 8696, 8699, 8707, 89I4, 89I9, 9289, 9500, 9683, 9952(p), I0039-I004I, I0044, I0046, I0074, I0II3, I0339, I0367, I04I2, I04I4, II074(o,p), II075(o), II094, II663(p), II672, II673, II675, II683, I2333, I24I4-I24I6, I2563, I2895, I3I63, I3267, I3269, I3273, I3274, I3283, I3444, I3447, I3736,
astraea (Ehr.) Grun. 7054, 7I3I, 7I32, 7I35, 7I42, 72I5, 72I6, 72I9, 7243, 7246, 7469, 7507, 7530, 753I, 7973, 7974, 7993, 800I, 8038, 8147, 8254, 8263, 830I, 8423, 8544, 8555-8557, 8676, 8690-8692, 8694, 8737, 8738, 878I, 8782, 8784, 8874, 8888, 898I, 8988, 9029, 9057, 9058, 9195, 92I3, 92I4, 9220, 9234, 9289, 9356-9358, 9360-9362, 9496, 95I2, 965I, 9687, 980I, 9932, 9938, I0006, I0007, I004I, I0046, I0077, I0080, I0099, I0I0I, I0I02, I0I05, I0I98, I020I, I02I8, I022I, I024I, I0245, I0280, I0292, I0364, I0690, I074I, I0864, I0876, I0878, II035, III26, III90(o), II225, II452, II530, II537*, II660, II663(p), II693, II695, II729-II73I, II737, II860, II864, II866, II88I, II935, I233I, I2369, I2405, I2478, I250I, I27I0, I276I, I2762, I30I4, I3I48, I3I6I, I3I64, I3I68, I3I7I, I320I, I3206, I3249, I3354, I3373, I3478, I3488, I3499, I35I7(o), I3522, I363I, I3645, I3668, I3689
- var. astraea 7053, 7054, 7355, 8685-8688, 8690, 869I, 8698, 8700(p), 9445, 972I, I0008, I0044, I0220, I0939, II45I, II452, II455, II694, I22I7, I2482, I2579, I3270-I3272, I3290
- var. intermedius Fricke 7054, 7058, 7973, 8254, 8690, 8700(p), 898I, 9057, 97II, I0044, I0046, I0I69, I024I, I0665, I0959, II694, I3I64, I3I69-I3I7I, I320I, I3206, I3354, I3668
- - f. fossilis I320I
- var. minutulus (Kütz.) Grun. 7053, 7054, 7058, 7355, 7467, 7470, 7489, 762I, 7973, 800I, 8254, 8423, 8544, 8686, 8687, 8690-8692, 8694, 8700(p), 87I5, 8737, 8738, 8784, 8859, 896I, 898I, 9000, 9057, 9059, 92II, 92I3, 92I4, 9220, 9360, 9386, 9444, 9445, 95I2, 9568, 97I7, 975I, 98I0, I0008, I0046, I0220, I0384, I0665, I0683, I074I, I0939, I0959, II45I, II452, II455, II672, II673, II694, II739, I2I89, I22I7, I2482, I2579, I30I2, I30I3, I3I64, I3I68, I3I7I, I3266, I3270-I3272, I3275, I3290, I3294, I3354, I363I, I3668, I3706, I3756(o,p)
barbadensis (Grev.) Grun. I2534
binderanus Kütz. 7054, 7353, 7355, 7799, 8687, 869I, 8700, 9670(o,p), 9672, 9674, 9687, 9843, II455, II672, I29I0, I3373
dubius (Fricke) Hust. 7I42, 7243, 7250, 7497, 7799, 7973, 800I, 8254, 9047, 9204, 9672-9674, I0008, I0099, I0I52, I02I8, I0220, III68, II3II, II693-II695, II866, I2I25, I27I0, I30I2, I3I64, I3I68, I3I7I, I3246, I3249, I3250, I327I, I3283, I3294, I3373, I3503, I3504, I35I7(o), I3526, I363I(p), I3645, I3668(p), I373I
- subsp. sibiricus Skabitsch. 7254
hantzschii Grun. 7054, 7I02-7I04, 7I32, 7I35, 7I42, 7243, 7246, 7250, 7469, 7505, 7530, 7757, 7799, 7839, 7962, 7964, 7973, 7992, 7993, 800I, 8038, 8I06, 8202, 8258, 8263, 8264, 8299, 8308, 83I0, 83I2, 8353(o), 852I, 8554-8557, 869I, 8700, 8737, 8738, 8820, 882I, 8824, 8877, 8940, 894I, 898I(p), 9000, 9047, 9057, 9085, 92I3, 9220, 9242, 9289, 9395, 9396, 9447(o), 9568, 9580, 9666, 9672-9675, 9678, 9679, 968I, 9684, 9686, 9687, 9694, 980I, 9882, 9900, I0008, I004I, I0044, I0046, I0048, I0077, I0079, I0080, I0082, I0085, I02I8, I0220, I024I, I0244, I0245, I0280, I0364, I0396, I0646, I074I, I0905, I0959, III58, II225, II226, II229, II232, II27I, II455, II654, II672, II673, II675, II694, II695, II7I2, II729-II73I, II737, II739, II840, II864, II866, II965, II967, I2052, I2II5, I2324, I2327, I233I, I2342, I2369, I2379, I24I5-I24I7, I24I9, I242I, I245I, I2692, I30I2, I30I4, I3027, I3I27, I3I29, I3I68, I3I7I, I3I75-I3I78, I3I89, I320I, I3246, I3247, I3249, I3250, I3266, I3270-I3272, I3373, I339I, I3478, I35I7(o), I363I, I3668, I3689, I373I, I3736, I3746, I3756(o,p)
- var. pusillus Grun. 7I32
kantzii Pant. 8246, 8423(o,p)
niagarae Ehr. 7053, 7054, 7I30, 7I37, 7287, 7490, 7973, 8207, 8246, 8423(o,p), 8690, 8988, 9057, 9444, 9445, I020I, I3I7I
- f. armenica I2I89
omarensis Kuptz. I0I00(o,p)
palmerianus (Grun.) Grun. I2444
robustus Pr.-Lavr. II807(o,p)
schulzii Stein I2534
skabitschevskyi Popovsk. 7246, II678(o,p), II683
socialis Makar. et Pr.-Lavr. I0470, I0474, I0480(o,p)
subsalsus (A.Cl.) Hust. 9220, II225, I3645
subtilis (Van Goor) A.Cl. I0009
tenuis subsp. radiolaria Skabitsch. 7470, 8038, I0247, II672, II673, II675, I233I, I2333, I234I, I3I97
variabilis Lupik. I04I2
vorticosus A.Berg. 7054
Stephanogonia Ehr.
sp. sp. 9000
actinocyclus Ehr. I037I
hanzawae Kanaya I04I4
jarcevae Sheshuk. 8365, 8370(p), I3364(o,p)

Stephanolithion Defl.
sp. sp. I3473
crenulatum Stover I0427(p), I0432-I0434
laffitei Noel I0428
Stephanoon Schewiakoff
wallichii Wille 980I, I0080
Stephanopyxis Ehr.
sp. sp. 7I30, 7287, 7536, 7824, 7827, 7829, 7973, 832I, 8365, 898I, 8990, 9000, 9703, 97II, 972I, I0749, I0982, II3II, I2I53, I2529, I253I, I2534, I2536, I2669, I3064, I3I7I, I3353, I3358, I3369
antiqua Jousé 82I8, 82I9, 9952(p), I0946, I2529, I2534, I2536
barbadensis (Grev.) Grun. 82I9, I2534, I2536
biseriata Streln. 82I9, I2534
broschii Grun. 7287, 7824, 7826, 82I9, 8355, 8364, 8365, 9952(p), I0939, II3II, II334, I2039, I2536, I3064, I3I63, I32I6, I3707
charkoviana Jousé 8365, 8370
corona (Ehr.) Grun. 8364, 8365, 8370 II334, I2529
costata Gles. 8363(o,p)
crenata Sheshuk. 8365, 8370(p), I3364(o,p)
danica Veksch. 7824
edita Jousé 7824, 7826, 845I, 9952(p), II067, II334, I2039, I3367
ferox (Grev.) Ralfs 7824, 8990, 9000, 98I9, 9952(p), II334, I3369
grunowii Gr. et St. 7287, 7530, 7824, 8II0, 8365, 8432, 845I, 898I(p), 8990, 9000, 990I, 9952(p), I037I, II3II, II334, I2039, I3I7I, I330I, I3367, I3707
inermis Jousé 7827, 7829, 8978(o,p), 898I(p), 972I
insignis Jousé 898I
lavrenkoi Jousé 7824, 8364, 990I, 9952(p), II334, I2536, I3064, I330I, I3369
marginata Grun. 7822, 7824, 7826, 8355, 8364(p), 8370, 9952, II334, I2039, I32I6, I3367, I3707
megapora Grun. 7824, 7826, 8355, 8370, 845I, 9952(p), II3II, II334, I2039, I3064(p), I32I6, I3367, I3707
minuta Jousé 9952
neogena Sheshuk. 7829, 9000, I3353
nipponica Gran et Yendo 7530-7532, 82II, 8976(p), 8977(p), 8979, 898I(p), 8995, 9002(p), I00I7(o), I0744, I2228, I2669
ornata Schulz 82I8, 9952(p), I0946, I2529, I2536, I3095, I3367
palmeriana (Grev.) Grun. 706I, 7063, 753I, 7956, 8763, 898I, 9I4I, 9965, 9966, I00I5, I00I6, I0888, I2597, I29I7
parentes Veksch. 7824, 7830
proschii Grun. 8II0
pseudogrunowii Veksch. 7823(o,p)
punctata Jousé 8365, 9952(p), I0939, II334, I3362
reticulata Long, Fuge et J.Sm. 82I9, I2529, I2532(o,p), I2534, I2536
schenckii Kanaya 9873, 9874, I04I4, I3358, I3362
schulzii Stein 7502, 7824, 7826, 82I8, 82I9, 8990, 9952(p), I0946, II334, I2529, I2534, I2536, I3095, I3369
- var. cretacea Jousé 82I8, 9952(p), I0946, II3II
similis Sheshuk. I3362

spinosa Jousé II334
superba Grun. 8365, 9000
turris (Grev. et Arn.) Ralfs 7287, 7489, 7497, 7502, 7699, 7826, 7827, 7829, 8II0, 82I9, 8432, 8743, 878I, 898I(p), 8990, 8995, 9000, 9052, 9220, 922I, I037I, I0683, I0888, I0892, II3II, I2529, I2534, I2536, I2820, I3064, I32I6, I3645
- var. arctica Grun. 8738, II334, I3064(p)
- - f. inermis Grun. 7954
- var. campanulata Jousé 878I, 9952(p)
- var. cylindrus Grun. 7824, 8365, 8370, 898I, 9720, 972I, 990I, 9952(p), I0939, II3II, II334, I3353, I3363(p), I3369
- - f. paucispina Grun. I330I
- f. inermis Grun. I2I50
- var. intermedia Grun. 7530, 7824, 7826, 8364, 8365, 8370, 845I, 898I(p), 9000, 9352, 9720, 972I, 9873, 9874, 9952(p), I0462(o,p), I0939, II067, II334, I2039, I3064, I330I, I3353, I3363(p), I3369, I3645, I3707
- var. polaris Grun. 8370, I0939, II334
- var. turris I0939
uralensis Streln. 82I9, I2534
weissflogii A.S. 9952(p)
Stephodinium Defl.
coronatum Defl. 8048-8049(o,p)
Stichococcus Näg.
sp. sp. 7375, 7438, 8570, 858I, 8584, 9879, 9880, I0526, II552, II554, I3442, I3459
bacillaris Näg. 7225, 7750, 8324, 8326, 8570, 8778(o), 902I, I0624, I07I5, II006, II076, IIII7, II208, II470, II554, II7I9, II720, II878, I2I95, I2449, I2798, I2809, I28I3, I3439, I3453, I3657, I3666
chodatii (Bail.) Heer IIII2, IIII3, II720, I3666
fragilis Gay 858I, II720
minor Näg. 7749, 7867, 8570, 858I, I07I5, IIII2, IIII3, IIII7, II720, I2806, I3439, I3453, I3657, I3666
mirabilis Lagerh. 858I
variabilis W. et G.S.West 7376, 7754, II720, I2449
Stictodiscus Grev.
sp. sp. 898I, 97II
gelidus Mann 898I
hardmanianus Grev. 7530, 8364, 8365, 8738, 898I, 972I, I04I4, I3353
- var. coronatus Jousé 8365, II334
- var. hardmanianus II334
- var. morsianus A.S. II334
- var. pantocsekii Temp. II334
- var. rossicus Jousé II334
kittonianus Grev. 8246
kossuthii Pant. 8370(p)
punctatus Jousé 9952
Stictyosiphon Kütz.
sp. sp. 8275
adriaticus Kütz. 9420, 942I
subarticulatus (Aresch.) Hauck 760I, 8064, 8065(o), 8073, 9026, I3687

tortilis (Rupr.) Reinke 7606, 8054, 8279, 8550, 9026, 9I24, 9406, II378, I3645, I3669, I3687, I3708
Stigeoclonium Kütz.
sp. sp. 7I86, 7376, 7438(p), 7984, 7992, 8038, 8298, 830I, 8809, 88I6, 89I6, 89I7, 89I9, 9565, I0008, I0242, I0248, I0307, I09I8, I0920, III86, II625, II866, II88I, I2I75, I2346, I2369, I2388, I2393, I2748, I2934, I2936-I2939, I3008, I3267, I3269
amoenum Kütz. 9748(o), I0956, I35I4, I3526
bertholdianum Heering I35I4
falklandicum Kütz. I35I4
farctum Berth. 7983, 7984, 7989, 8000, 800I, 8038, 9884, I024I, I0244, I0247, II223, II866, I3482, I3526
fasciculare Kütz. I0I5I-I0I53, I0955, I0956, I35II
flagelliferum Kutz. 7986, 7989, 800I, 8038, I0247, I0248, I3529
huberi Heering I2657(o)
klebsii Heering I35I4
lubricum Kütz. 8859, 9884, I0247, II733, I2643, I35I2, I35I4
- var. varians Hazen I3269
pachidermum Pres. I2020
setigerum Kütz. I07I5
stagnatile (Hazen) Coll. III90(o)
subsecundum Kütz. I35I4
subuligerum Kütz. I02I8, I0220, I2657(o), I35I2, I35I4
tenue Kütz. 7048, 7049, 7I8I, 7I82, 7I85, 7I86, 7383, 7520, 7805, 8038, 830I, 83II, 8750, 8777, 8778(o), 880I, 8859, 8899, 89I3, 89I4, 8953, 905I, 9053, 9078, 9649, 9666, 9668, 9688, 9689, 9725, 9726, 9749(o,p), 975I, 9932, 9938, I0080, I0087, I0I27, I0I5I-I0I53, I02I8, I0220, I0242, I0247, I0248, J0646, I0905, I0956, I0973, III28, II2I3, II2I4, II358, II578, II625, II692, II866, I2020, I2049, I234I, I2383, I2420, I2522, I2637, I2657(o), I2680, I2906, I2933, I2934, I2939, I2944, I2950, I3243, I3269, I3482, I3504, I35II, I35I4, I35I7(o), I35I9, I3522, I3524, I3525, I356I, I3562, I3656, I3699
- var. tenue III84, III85
thermale A.Br. I3522
variabile Näg. I2020
Stigmaphora Wall.
lanceolata Wall. 7536, I2223
rostrata Wall. 7534(o,p), 7536, 7956, 9I4I, I2223
Stigonema Ag. ex Born. et Flah.
sp. sp. 9765(p), 9768, I2I94, I35I8
hormoides (Kütz.) Born. et Flah. I2I95
informe Kütz. 9749(o,p), I0026, I3679
minutissimum Borzi I265I(o)
minutum (Ag.) Hass. I2652, I2656
ocellatum (Dillw.) Thur. 9765(p), I0026, I0309, I2090-I2092, I2094, I2I75(o,p)
- f. hypnicola Kondrat. 9768
- f. sphagnala Kondrat. 9768
- f. tomentosum (Kütz.) Elenk. I2667
Stilophora J.Ag.
rhizodes (Ehr.) J.Ag. 8899, 94I8, 9420, 942I, II409(o), II4I0-II4I2, II420, II423

tuberculosa (Horn.) Reinke 94I8, 9420
Stipitochrysis Korsch.
monorhiza Korsch. I0646
Stomatochara
diserta Said. I2II0
lubrica Said. I2II0
Stomochara Gramb.
volvenkovensis Schaikin I3264(o,p)
Stratonostoc Elenk.
sp. sp. 7375, 7378, 7754, 8I72, 8I73, 987I, I0920, I097I, II448, I2094, I2647, I2653, I343I
commune (Vauch.) Elenk. 7676, 8373, 8593, 8778(o), 9285, 9656, I0026, I04I9, I07I4, I07I5, I095I, IIII2, IIII3, IIII8, III34, III35, II390, II479, I2I92, I2I94, I2I95, I2247, I2652, I2656, I2680, I280I, I2877, I2878, I3426, I3428, I3433, I3435, I3439, I3453, I35I8, I3522, I3639
- f. coriaceum (Vauch.) Elenk. 8372
- f. crispatum Elenk. 8777, 8778(o), I0956
- f. sphaericum (Vauch.) Elenk. 7225, 8593, 8778(o), I07I5, I0956, I2643
- f. ulvaceum Elenk. 8778(o), I2090-I2092
cuticulare (Bréb.) Elenk. 98I8, I0026
linckia (Roth) Elenk. 7I8I, 7I85, 7225, 7346-7347, 7376, 7387, 7390, 739I, 7676, 7750, 7753, 7867, 7983, 80I6, 8038, 8I73, 8I74(o), 822I, 8259, 8570, 8593, 8594, 9285, 9552, 9554, 9557, 9580, 96I7, 9656, 9657, 9666, 9668, 9732, 9733, 9749(o), 98I8, 9875-9878, I0026, I0080, I0I48-I0I50, I0I52-I0I55, I0822, I0834, I0835, I0964, I0967, I0968, I0975, IIII2, IIII3, IIII7, II26I, II386, II387, II389, II390, II392, II396, II554, II596, II702, II703, II705-II709, II720, II762, II866, II878, II897, II898, I209I, I2092, I2095, I2I95, I2390, I2474, I2655, I2809, I2880, I2985-I2987, I3428, I3433, I3434, I3439, I3453, I3458, I35I7(o), I3526, I3544
- f. calcicola (Bréb.) Elenk. 7225, 7676, 8495, 9656, I0I26, I07I5, I0972, I209I, I2093, I28I3
- f. carneum (Ag.) Elenk. 8455, I0026, I0644
- f. ellipsosporum (Desm.) Elenk. I209I
- f. humifusum (Carm.) Elenk. 7676, I0I26, I35I0
- f. linckia 7802, 8038, I0644
- f. muscorum (Ag.) Elenk. 8I73, 8I74(o), 8495, 9285, 9654(o), 9656, 9666, I0026, I0I56, I07I5, I095I, I0952, I0968, I0972, II388, I2090, I209I, I2094, I280I, I2802, I2804, I28I0, I28I5, I2879, I3426, I3428, I3433
- f. piscinale (Kütz.) Elenk. I0026, I0I26, I2680
- f. spongiiforme (Ag.) Kütz. 9285, 9654(o), 9656, 9666, I0026, I095I, I0956, I209I, I3433, I35I7
minutum (Desm.) Elenk. I07I5, I2449, I28I0, I28I3, I28I5
verrucosum (Vauch.) Elenk. 7547, 7548, 9260, 926I, 9263, 9664, 9670, 980I, I0026, I095I, I0956, II688, I2049, I209I, I2329, I2645, I2680
- f. parmelioides (Kütz.) Elenk. I0956
- f. pseudozetterstedtii (Stockm.) Kukk I0026
- f. verrucosum I2650

Streblonema Derb. et Sol.
sp. sp. 9869
corymbiferum Setch. et Gardn. 8071(o)
fasciculatum Thur. 9406
oligosporum Strömf. 9406
Streptophyton Korde
sp. sp. 9833
Striaria Grev.
attenuata (Ag.) Grev. 9420, 9421, II408, II409(o), II4II, II4I2, II420, II423
Striatella Ag.
sp. sp. 8527, 9787, II285
delicatissima (Kütz.) Grun. 9790
delicatula (Kütz.) Grun. 7063, 8034, 9220, I0673, II537
interrupta (Ehr.) Heib. 7061, 9220, I0145
unipunctata (Lyngb.) Ag. 8034, 8527, 9214, 9220, I0137, I0142, I0213, I0772, I0803, II085, II537, II571, I2140
Strombomonas Defl.
sp. sp. 7102, 7104, 7469, 7472, 8939, I0008, II670, II730, II881, I2172, I2327, I2416, I2932, I3010, I3273, I3695
acuminata (Schmarda) Defl. 7469, 8916, 9801, I0046, II866, I2020, I2327, I2331, I2947(o), I3249
- var. acuminata I0008, I3274
- f. conspersa (Pasch) Popova 9801
- f. dadai Popova 9801
- var. ovata Roll II866
- var. verrucosa Tood. 7469, 7588, 8001, 8038, 8916, 8940, 9340, 9801, I0646, III85, II670, II859, II866, I2122, I2324, I2327, I2480(o), I3246, I3249, I3271, I3273, I3274, I3287, I3294, I3520, I3529, I3535
- - f. conspersa (Pasch.) Popova II670, I2327, I3010, I3012-I3014, I3747
- - f. dadai Popova I2327
- - f. ovalis Popova I2327
affinis (Lemm.) Defl. 7306, 731I, 7313
asymmetrica (Roll) Popova 7332
borystheniensis Roll 8001, I3287
deflandrei (Roll) Defl. 7306, 7309, 7314, 7316, 8001, 9340, II966, I2327, I2480(o), I3287
ensifera (Daday) Defl. 9801
eurystoma f. incurva (Bush.) Popova I2947(o)
fluviatilis (Lemm.) Defl. 7314, 8001, 9009, 9220, 9340, 9801, I0046, I0646, II866, II967, I2324, I2327, I3012, I3287
- var. fluviatilis I3271, I3272, I3274, I3294
- var. lanceolata (Playf.) Popova 8926, I0646, II866
- var. levis(Lemm.) Skv. 8001
gibberosa (Playf.) Defl. 7308, 731I, 7327(o,p), 9801, I3271, I3287
- var. longicollis Playf. I3278, I3287
incurva Bush. 8001, II967, I3294
lanceolata (Playf.) Defl. 7308, 731I
longa Swir. 9215, 9220
longicauda (Swir.) Defl. 7316, 9801, II967, I3246, I3249, I3274, I3287
maxima (Skv.) Defl. 7308, 731I

planctonica (Wołosz.) Popova 7215, 9801, I0646, I3520, I3526
- var. planctonica (Wołosz.) Defl. I3271, I3274
praeliaris (Palmer) Defl. 7183, 7308, 731I, 8001, 8038, 8859, 8926, 8940, I0046, I2327, I3246, I3271, I3274, I3287, I3294
samarae (Swir.) Popova 8001, I3009, I3010
schauinslandii (Lemm.) Defl. 7316, 8001, 8038, 9801, I0046, II866, I3246, I3249, I3271
subcurvata (Pr.-Lavr.) Defl. 7306, II670
tambowica (Swir.) Defl. 7313, 8001, I0046, I0866, II866, I2020, I3009, I3010, I3524
teres (Stein) Klebs 7308
treubii (Wołosz.) Defl. 9340
- var. javanica Wołosz. I3287
- var. treubii I3274
urceolata (Stokes) Defl. 7306, 7309-731I, 7316, 7318, 7325, 8038, 8940, 9801, I0046, I0866, II866, I2178(p), I2327, I2478, I2480(o), I3287, I3530
- var. hyalina (Swir.) Skv. 9801
vermontii var. communis f. dentata Popova I3009, I3010
volgensis (Lemm.) Defl. var. volgensis I3271
Stschapowia A.Zin.
sp. sp. 8051
flagellaris A.Zin. 8054, 9124
Stylodinium Klebs
globosum Klebs 8719, 9882
lindemanii (Lind.) Baum. 8719
Stylopyxis Boloch.
mucicola Boloch. 8473, 9018(o), II881, I3373
Stylosphaeridium Geitl. et Gimesi
stipitatum (Bachm.) Geitl. 8700, II451, II455, II881
Stypocaulon Kütz.
scoparium (L.) Kütz. 7613, II408, II409(o), II410, II412, II420, II423
Subtilfloria Masl.
sp. sp. 9833, I2223, I2233
cavitata Schipitz. I3382
delicata Masl. I3382
laxa Schipitz. I3382
marginata Schipitz. I3382
Succodium Konishi
ambiguum Korde 9826(o,p), 9827, 9828, 9831
difficile Korde 9826(o,p), 9827, 9828, 9831
Sulcosphaera Masl.
nethoiensis Masl. I0602(o,p)
Surirella Turp.
sp. sp. 7040, 7047, 7155, 7496, 7506, 7831, 8038, 8266, 8318, 8423, 8452(p), 8560, 8604, 8725, 8781, 8916, 9104, 9108, 9214, 9257, 9289, 9490, 9502, 9504, 9648, 9711, 9748(p), 9820, 9881, 9903, 9959, I0008, I0099, I0104, I0246, I0306, I0309, I0362, I0705, I0798, I0939, II073, II077, II078, II083, III01, III84, II572, II712, II720, I2152, I2223, I2320, I2393, I2408, I2485, I2577, I2934, I3027, I3245, I3267, I3272, I3274, I3290, I2529, I3583, I3706, I3736
acuminata Hust. 7222
- var. baikalensis Skv. I3756(o,p)

angustata Kütz. 7054, 8001, 8038, 9057, 9568, 9801, 9819, 10218, 10220, 10241, 10242, 10245, 10248, 10646, 10956, 10975, 11190(o), 11694, 12320, 12405, 13012, 13014, 13168, 13246, 13249, 13269, 13373, 13517(o), 13522, 13666, 13668, 13757
- var. angustata 8423, 8700, 9444
- var. constricta Hust. 8001, 8038, 8301, 9057, 9297, 9444, 10241, 11451, 13503, 13504, 13517(o)
- - f. ovata Skv. 8001
- var. elongata Skv. 9057, 10548, 10956
- var. hankensis Skv. 9024, 9444
arcta A.S. 7222
bifida A.Cl. 9748(o)
bifrons Ehr. 10220, 11694
birostrata Hust. 13668
biseriata Bréb. 7054, 7507, 7973, 7983, 7987, 7992, 8001, 8038, 8266, 8781, 8942, 9053, 9356, 9360, 9476, 9568, 9748, 9749(o), 9801, 10080, 10113, 10646, 10905, 11695, 11866, 11881, 12347, 12383, 12482, 13012, 13171, 13246, 13283, 13583, 13641, 13642, 13646, 13668
- var. amphioxys (W.Sm.) Hust. 11578
- var. bifrons (Ehr.) Hust. 7507, 8001, 8781, 9443(o), 9444, 9476, 9932, 10008, 10218, 10241, 10646, 11128, 11194(o), 11578, 11866, 12320, 12579, 13246, 13283, 13354, 13669
- - f. punctata Meist. 7054, 8423, 8691, 8700(p), 11451, 13756(o,p)
- var. biseriata 8686, 8700(p), 9932, 10218, 10220, 11128, 11194(o), 11694, 12579
- f. biseriata 10008
- var. constricta (Grun.) Hust. 7987, 10220, 11694, 13668
- var. maxima Grun. 7973
- var. orientalis Grun. 13731
- f. punctata Meist. 11866
- var. rostrata Schulz 10008
- var. ussuriensis Skv. 13731
calcarata Pfitz. 8266, 9257
capronii Bréb. 7507, 7621, 7973, 7992, 8038, 8718, 8781, 8940, 8942, 9289, 9292, 9356, 9360, 9444, 9568, 9748(o), 9801, 9932, 10080, 10099, 10218, 10220, 10241, 10646, 10798, 10905, 11694, 11866, 11930-11932, 12122, 12320, 12577, 12579, 12580, 12870, 13012, 13014, 13488, 13517(o), 13642, 13668, 13679, 13758(o)
- var. capronii 10008, 11128, 13271, 13274
- var. hankensis Skv. 9289
- var. obtusa Hust. 8038
comis A.S. 8254
conifera Skv. 7621, 9492, 13756(o,p)
- var. punctata Skv. 13756(o,p)
delicatissima Lewis 11694
didyma Kütz. 10218, 10220, 11694, 11866, 11870
- var. didyma 10008
- var. minor Skv. 8001, 13373, 13756(o,p)
elegans Ehr. 7507, 7975, 8038, 8473, 9568, 9748(o), 9749(o), 9801, 10113, 10218, 10220, 10241, 10548, 11694, 12482, 13520, 13583, 13641, 13642, 13668, 13679

- var. elegans III84
- var. norvegica (Eulenst.) Brun 7054, 8700, 10241
- - f. constricta A.Mayer 9568
fastuosa Ehr. 7995, 8034, 8254, 9220, 9972, 10468, 11537
- var. recedens (A.S.) Cl. 9221, 12597
gemma Ehr. 8527, 9220, 10803, 11537, 11579
- var. reniformis (Grun.) Pr.-Lavr. 9220
gracilis (W.Sm.) Grun. 7531, 8473, 9289, 9801, 9932, 9938, 10241, 10956, 11128, 11694, 11866, 12122, 12320, 13168, 13283, 13756(o,p)
granulata Östr. 9029, 13756(o,p)
helvetica Brun 11184
- var. helvetica 11694
- var. tibetica (Mer.) A.Cl. 11694
kirghisistanica Mamb. 10546, 10548, 10549
lacus baikali Skv. 13201, 13756(o,p)
- var. marginata Skv. 13756(o,p)
- var. paradoxa Skv. 13201, 13756(o,p)
- var. punctata Skv. 13756(o,p)
ladogensis Weisse 7054, 8685, 8686
- var. glabra A.Cl. 10218, 10220, 11694
- var. ladogensis 8700(p)
linearis W.Sm. 7984, 8001, 8038, 8301, 9059, 9748(o,p), 9801, 10080, 10218, 10220, 10241, 10243, 10245, 10646, 10822, 11223, 11866, 11881, 12710, 13012, 13269, 13668, 13756(o,p)
- var. constricta (Ehr.) Grun. 7222, 7973, 8001, 8038, 9289, 9444, 11128, 11194(o), 12320, 13642, 13668
- f. constricta (Ehr.) Grun. 11694
- var. helvetica (Brun) Meist. 8038, 9449, 9568, 10646, 13517(o), 13642, 13668, 13756(o,p)
- var. linearis 10247, 13271, 13283
- f. linearis 11694
margaritifera Hust. 13756(o,p)
moelleriana Grun. 7489
muzaffarovii Mamb. 10546, 10548, 10549
neomaeotica Pr.-Lavr. 8034
norica var. hibernica (Ehr.) Grun. 9360
nyassae var. baikalensis Skv. 13756(o,p)
oophora Skv. 13756(o,p)
ovalis Bréb. 7150, 7215, 7222, 7248, 7975, 8038, 8750, 8781, 9220, 9444, 9568, 9749(o), 9801, 10080, 10546, 10548, 10646, 11184, 11537, 11579, 11866, 11933, 12095, 12645, 12650, 13269, 13274, 13287, 13511, 13517(o), 13522, 13528, 13679
- var. brightwellii (W.Sm.) A.Cl. 11442
- var. ovalis 11186
- var. ovata Kütz. 9959
ovata Kütz. 7054, 7185, 7188, 7296, 7383, 7829, 7989, 8001, 8038, 8266, 8422, 8544, 8715, 8738, 8859, 8917, 9012, 9214, 9220, 9340, 9476, 9568, 9694, 9721, 9749(o), 9801, 10241, 10242, 10245, 10248, 10548, 10646, 10955, 10956, 10975, 11190(o), 11537, 11579, 11866, 11881, 12095, 12320, 12414, 12415, 12420, 12645, 13012, 13246, 13249, 13269, 13354, 13373, 13511, 13512, 13517(o), 13520, 13522, 13524, 13529, 13561, 13562, 13565, 13583, 13668, 13750

- var. crumena (Bréb.) V.H. 8001, 8038, 9029, 10248, 11442, 11694, 12420, 13246, 13294, 13668
- var. hankensis Skv. 8001, 13294
- var. ovata 8700, 9444, 9459, 10218, 10220, 10245, 10247, 11184, 11694, 12420, 12710, 13271, 13272, 13274, 13283, 13284, 13294
- var. pinnata (W.Sm.) Hust. 7054, 8001, 8038, 8685, 8700(p), 9444, 9476, 9568, 9749(o), 9801, 10008, 10218, 10220, 10241, 10245, 10955, 10956, 11451, 11694, 12217, 12320, 12710, 13246, 13249, 13283, 13353, 13517(o), 13522, 13583
- var. pseudopinnata A.Mayer 7054, 8001, 8038, 8691, 8700, 9568, 10218, 10220, 10241, 13271
- var. salina (W.Sm.) Hust. 8001, 8038, 8737, 8738, 8781, 9242, 9357, 9801, 10218, 10220, 10248, 11579, 11694, 12154, 13517(o), 13519
- var. subsalina (W.Sm.) Hust. 9459
patella Ehr. 10644, 11866, 13201
- var. mongolica Skv. 13758(o,p)
- var. subtilis Meist. 9801, 10241, 11866
paucidens Skv. 13756(o,p)
- var. punctata Skv. 13756(o,p)
peisonis Pant. 7188, 9444, 9492, 9801, 11579, 13287, 13526
prehensilis Skv. 13756(o,p)
robusta Ehr. 7507, 7806, 7973, 7988, 7992, 7993, 8554, 8781, 8981, 9289, 9568, 9580, 9801, 9819, 9938, 10080, 10107, 10798, 10939, 11866, 11881, 11930, 11932, 12383, 13249, 13269, 13641, 13642, 13668, 13679
- var. astridae (Hust.) A.Cl. 7054, 8691, 8700, 10218, 10220, 11694
- var. hankensis (Skv.) I.Kiss. 10218(o), 10220
- var. robusta 9059, 9932, 10218, 10220, 11694
- var. splendida (Ehr.) V.H. 7054, 7621, 7983, 7984, 7993, 8001, 8038, 8554, 8686, 8687, 8700, 8981, 9289, 9568, 9748(o), 9801, 9932, 10077, 10080, 10218, 10646, 11184, 11451, 11866, 11881, 12347, 13249, 13283, 13520, 13642, 13668, 13713, 13747
- - f. hankensis (Skv.) I.Kiss. 13731
- - f. splendida 10008
rotunda Mamb. 10546, 10548, 10549
saxonica Auersw. 13679
smithii Ralfs 13668
spinosa Pr.-Lavr. 9720
spiralis Kütz. 9220, 9444, 9445, 9748(o), 10276, 10975, 11694, 13668, 13750
splendida (Ehr.) Kütz. 10220, 11694
striatula Turp. 7130, 7137, 7988, 8038, 8144, 8738, 8781, 9214, 9220, 9242, 9357, 9444, 9459, 9649, 9651, 9801, 9959, 10099, 10102, 10201, 10546, 10548, 10925, 11543, 11545, 11546, 11571, 11578, 11579, 12710, 13206, 13249, 13517(o), 13645, 13724, 13750
- var. glabrostriata Pr.-Lavr. 11811(o,p)
- var. striatula 10468
subtilis Pr.-Lavr. 11811(o,p)
tenera Greg. 7054, 7507, 7973, 8001, 8038, 8301, 8942, 9018(o),

9289, 9580, 10046, 10080, 10646, 10955, 11190(o), 11866, 12579, 13642, 13668
- var. nervosa A.S. 8001, 8038, 9449, 9568, 9801, 9819, 9932, 9938, 10218, 10220, 10646, 10975, 11694, 13012, 13013, 13283
- var. tenera 8700, 9932, 10218, 10220, 11694
tientsinensis Skv. 8001, 13731
turgida W.Sm. 7984, 8001, 8038, 8301, 8781, 9449, 10218, 10220, 10646, 11694
- f. baikalensis Skv. 13756(o,p)
- var. marginata Pant. 7621, 7992, 8001, 9444
- var. skvortzowii (C.Meyer) I.Kiss. 13294
- var. turgida 8423, 13294
unidentata Skv. 13756(o,p)
uninodes Skv. 9748(o), 13517(o), 13756(o,p)
ussuriensis Skv. 13731

Svalbardella Manum
cooksoniae Manum 8048-8049(o,p)

Swarchewskiella Jasnitsky
hemisphaerica (C.Meyer) Jasnitsky 9670, 12329

Swirenkoiamonas Skv.
uniflagellata Skv. 12353(o,p)

Sycidium Sandb.
sp. sp. 12145, 13233, 13235(o,p), 13237(p)
melo Sandb. 12147
- var. pskovense Karpinsky 12147
- var. uralense Karpinsky 12147
- f. uralense E.Byk. 13236, 13237
panderi (Ehr.) Karpinsky 10585(p), 12146, 12147
- f. medium Karpinsky 12147
- f. minus Karpinsky 12146, 12147
paucisulcatum Prinada 12146, 12147, 12148(o,p)
reticulatum Sandb. 13237
volborthii Karpinsky 12146, 12147

Sykidion Wright
gomphonematis C.Meyer 9670, 12329

Symphoricoccus Reinke
radians Reinke 13645
stellaris (Aresch.) Kuck. 8279, 9154, 9406

Symphyocladia Falkenb.
latiuscula (Harv.) Yamada 7636, 11384, 13633
marchantioides (Harv.) Falkenb. 13633

Symploca Kütz. ex Gom.
sp. sp. 7225, 7676, 9490, 13518
cartilaginea (Mont.) Gom. 9242, 11720, 12815, 13666
dubia (Näg.) Gom. 9801
jappii G.S.West 12522, 12926
laeteviridis Gom. 11420, 11421, 11423, 13313
muralis Kütz. 12195, 13514, 13522
muscorum (Ag.) Gom. 7225, 7676, 9749(o), 9751, 10026, 11117, 11135, 11138, 11479, 11720, 12195, 13666
parietina (A.Br.) Gom. 11117, 12811, 13519
thermalis (Kütz.) Rabenh. 10973, 13502, 13522, 13529
willei Gardn. 11720, 13666

Syncrypta Ehr.
sp. sp. I3488
volvox Ehr. 9752, I0080, I0220, II866, I3I27
Syndetocystis Ralfs ex Grev.
sp. sp. I2534
Synechococcus Näg.
sp. sp. 7082, 7438, 7565, II329, II508, II53I, I209I, I35I8, I3536, I3750
aeruginosus Näg. 7373, 7599, 7750, 8035, 8725, 96I7, 9666, I0026, I0I33(o), I02I8, I07I5, III84, III86, II442, I2637, I2638, I3009, I30I0, I30I3, I3453, I35I9, I3522, I353I, I3657, I3747
cedrorum Sauv. 7599, 7673, 7676, 7753, 8035, 8700, 96I7, 9694, 9749(o,p), I0026, I0220, I082I, II720, I2I95, I30I0, I3453, I3666
elongatus Näg. 7373, 7570, 7750, 7754, 8570, 8778(o), 8804, 92I5, 9220, 9292, 96I7, 9694, I0026, I0II4, I0I27, I0220, II506, II932, II935, I2090, I2092, I2I95, I2809, I28II, I2935, I2946(o), I3009, I3442, I3522
gaarderi Ål. 7373
major Schröt. 96I7, I0026
- f. crassus (Arch.) Elenk. I0026, I2667(o)
- f. maximus Lemm. I0026
notatus Skuja I0220
planctonicus 7082, I2252
Synechocystis Sauv.
sp. sp. 7565, 7572, 89I2, 8920, 950I, 9959, II508, I209I, I3245
aquatilis Sauv. 7373, 7570, 7599, 7668, 8575, 8576, 8700, 8725, 8778(o), 9468, 958I, 9694, I0026, I0I33(o), I02I8, I0220, II442, II45I, II452, II455, II506, II720, I2I95, I3009, I30I0, I3453, I35I8, I353I, I3747
crassa Woronich. 72I9, 7599, 9500, 96I8, I0026, IIII7, II756, I2I95, I3666
endobiotica Elenk. et Hollerb. 8700, I0026, II455, II88I
limnetica Popovsk. II68I(o,p), II682
minima Woronich. 7373, 8570
minuscula Woronich. 8035, 8777, 96I7, 96I8, 9694, II442, II537, II865
parvula Perf. I0026, I3009, I30I0, I30I3, I3747
planctonica Pr.-Lavr. II537
salina Wisl. 7I83, 7754, 8038, 8725, 8777, 8778(o), 96I7, 96I8, 9694, II442, II720, II756, I3008-I30I0, I353I, I3666
sallensis Skuja 8700, I0026, I3009, I30I0, I35I8
Synedra Ehr.
sp. sp. 7040, 704I, 706I, 7063, 7080, 7082, 7252, 7253, 7287, 7295, 7438, 7472, 7506, 7593, 7684, 7728, 7732, 7805, 7972, 8038, 815., 8248, 830I, 8423, 8450, 8524, 8529, 8530, 8557, 8604, 8696, 880I, 8836, 8877, 8905, 89I2, 89I6, 89I9, 898I, 9024, 9056, 9I04, 9I49, 92I4, 9257, 9289, 9379, 9386, 9446, 9463, 9492, 957I, 9572, 9580, 9749, 9752, 9790, 9796, 988I, 9903, 9904, 9959, 997I, 999I, I0008, I0040, I0044, I0046, I0I04, I0I06, I0II4, I0I50, I04I4, I04I7, I0705, I0803, I0877, I0902, II023, II034, II077, II078, II083, III0I, II557, II583, II607, II675, II680, II683, II793, II840, II933, I2054, I2I40, I2247, I2320, I2323, I2327, I233I,

I2333, I234I, I2344, I2408, I2409, I24I4, I24I6, I2544, I2578, I2646, I2673, I2747, I2895, I2927, I2932, I2956, I3063, I3065, I32I3, I32I7, I3245, I3249, I3267, I3272, I3274, I3280, I3290, I3353, I3365, I3398, I3404, I3507, I3576, I363I, I3649, I3736
actinastroides Lemm. 7246, 7992, 8038, 852I, 9220, 9324, 9340, 9580, 980I, 9932, I0008, I0077, I0079, I0080, I0089, I0646, II223, II673, II693, II739, II866, II88I, II965, II967, I2906, I3008
acus Kütz. 7054, 7058, 7I02, 7I03, 7I55, 7I88, 72I5-72I8, 7220, 7222, 7227, 7249, 7507, 7757, 7799, 796I, 7964, 7973, 800I, 8038, 8I06, 830I, 8308, 83I0, 8353, 8543, 8544, 8554, 8555, 87I0, 8737, 8738, 8859, 89I3-89I7, 8924, 898I, 90I0, 9053, 92I3, 9220, 9242, 9289, 9292, 9433-9434, 9439, 944I, 9568, 9580, 9648, 9649, 965I, 9664, 9666-9668, 9672-9674, 9678, 9679, 968I, 9686, 9687, 9690, 969I, 9749(o), 975I, 980I, 9938, 9943, 9944, 9955, I0046, I0047, I0074, I0077-I0080, I0082, I0085, I0I50, I0I52, I0I53, I024I, I0242, I0306, I0362, I0363, I0368, I0370, I045I, I0548, I0646, I0869, I0870, I0875, I0876, I0878, I0956, I0997, II039, II094, III90(o), II537, II545-II547, II670, II693, II695, II739, II790, II864, II866, II88I, II883, II930, II965, II967, I2052, I2055, I2093, I2095, I2I25, I23I8, I234I, I2346, I2347, I2369, I24I6, I2420, I2478, I2482, I2580, I2637, I27I0, I276I, I2762, I2772, I2863, I29I0, I3008, I30I2-I30I4, I3027, I3I20, I3I27, I3I29, I3I77, I3I78, I320I, I3246, I3247, I3249, I3266-I3269, I3273, I3275, I3373, I3398(o), I3482, I3489, I3497, I3499, I35I7(o), I3522, I3524, I3526, I3527, I3537, I3589-I3595, I363I, I3642, I3668, I3736, I3747
- var. acus 7I04, 8700, 8908, 9444, 9445, 9932, I0008, I0220, I0268, III84, III85, II45I, II452, II455, II694, II695, I2420, I3270-I3272, I3274, I3283, I3284, I3290, I3294, I3586, I3600
- var. angustifolia Grun. 8038, I30I3
- var. angustissima Grun. 7054, 7489, 7620, 800I, 8555, 8686, 8687, 8700, 9057, 9220, 9289, 9447(o), 9568, 9580, 9674, 9687, 980I, 9932, I0008, I0080, I02I8, I0220, I0548, I0646, I0657, II45I, II452, II455, II693-II695, II866, I2579, I30I2, I30I4, I3373, I3499, I35I7(o), I363I, I3668
- var. ostenfeldii Krieg. 958I, II694
- subsp. radians (Kütz.) Skabitsch. I0007, II673, II675, I2323, I2324, I2327, I2333, I2336, I234I
- var. radians (Kütz.) Hust. 7I04, 72I5, 72I8, 7243, 7246, 7250, 7507, 800I, 8038, 820I, 830I, 8423, 8555, 8737, 8738, 9057, 9298, 9444, 9445, 9568, 9649, 9670, 9672, 9687, 9748(o), 9749, 975I, 980I, 9932, I0008, I0046, I0048, I0220, I0956, I0975, III58, III90(o), III94(o), II672, II694, II864, II866, I2320, I30I2, I3044, I3I27, I320I, I3246, I3250, I327I, I3272, I3354, I3499, I35I7(o), I3522, I3526, I3583, I3668, I3699, I3756(o), I3758(o)
affinis Kütz. 7597, 8266, 9959, I3645
- var. tabulata (Kütz.) Grun. 9959
amphicephala Kütz. 90I8(o), 9024, 9568, 9749(o), 980I, 9932, I02I8, I0220, I024I, I0548, I07I5, I0956, II866, III90(o),

I3354, I3373, I3519, I3668, I3759(o)
- var. amphicephala III94(o), II694, I2420
- var. austriaca Grun. 9749(o), III84, III90(o,p), II694, I3373, I3668
bacillaris (Grun.) Hust. 8034
baculus Greg. 9220, I0226
barbatula Kütz. II083, II085
berolinensis Lemm. 7757, 8001, 8038, 9220, 9801, I0152, I0220, II694, II730, II864, II866, I2579, I2870, I3517(o), I3590-I3592, I3594-I3595, I3631, I3642, I3668(p), I3704
brockmannii Hust. 9220
capitata Ehr. 7132, 7215, 7222, 7973, 8001, 8038, 8266, 8859, 9057, 9220, 9242, 9252, 9298, 9444, 9448, 9694, 9801, I0218, I0220, I0548, I0646, I0665, I0956, III28, III90(o), III94(o), II694, II866, II930, II932, I2095, I2125, I2320, I2347, I2710, I3013, I3168, I3249, I3271, I3352, I3499, I3517(o), I3520, I3522, I3526, I3583, I3631, I3642, I3646, I3668,
- var. capitata 8423, I3283
- var. gracilis Poretzky II222, I3168
capitellata Grun. 9801
crystallina (Ag.) Kütz. 7868, 7869, 8034, 8527, 8530, 8531, 8737, 8738, 9220, I0772, II408, II417, II537, II579, I3160-I3162, I3165
- var. crystallina 9[illegible]4(o), I0226
- var. dalmatica Grun. 8034
curvata Pr.-Lavr. 8531, 9215, 9220
cyclopum Brutschy III58, II694, I3590, I3642
delicatissima W.Sm. 8473
famelica Kütz. 9749(o), I0956, II529, II694, I3668
formosa Hantzsch II083, II085
fouseana Sheshuk. 8981(p)
fulgens (Grev.) W.Sm. 7983, 8000, 9220, I3751
- var. gigantea (Lobarz.) Rabenh. 9711
gaillonii (Bory) Ehr. 8737, 8738, 9214, 9220, II694, I3160, I3161, I3165, I3171, I3668
goulardii (Bréb.) Grun. 7489, 8038, 9749(o), I0148, I0241, I0248, I0951, I0956, III90(o,p), I3169, I3511, I3583
- var. goulardii I0247
- var. telezkoënsis Poretzky 8038, 9749(o), I0151-I0153, I0245, I0247, I0248, I0955, I0956, III90(o,p), I2122, I3583
hennedyana Greg. 9220
hyperborea var. rostellata Grun. I2891, I2892, I3583
investiens W.Sm. II085
jouseana Sheshuk. 8981, I3355(o)
- f. jouseana I3355(o,p), I3362
- f. linearis Sheshuk. 8990, 9720, I3355(o,p), I3363(p)
kamtschatica Grun. 8737, 8738, 8981, 9029, I3162, I3353, I3706
- var. finmarchica Grun. III68
laevigata Grun. II085
- var. laevigata II083
minuscula Grun. 9018(o), 9060, 9444, 9749(o), II694, I2320, I3504, I3517(o), I3526, I3668
montana Krasske 9749, I0956
nana Meist. 7287, 9749(o), 9751, I0152, I3503, I3504, I3511, I3517(o)

parasitica (W.Sm.) Hust. 9360, 9444, 9717, I0080, II693, II695, I2095, I3168, I3246, I3519, I3526, I3668
- var. parasitica I0218, I0220, III94(o), II694
- var. subconstricta Grun. 7992, 8038, 9749(o), I0218, I0220, I0956, III28, III94(o), II693, II694, I2095, I2320, I2579, I3168, I3246, I3583, I3668
pelagica A.Cl. 7930, I0119, I0120
pulchella (Ralfs) Kütz. 7183, 7187, 7188, 7215, 7222, 7975, 7983, 8038, 8521, 8738, 8781, 8914, 8922, 8973, 9060, 9124, 9220, 9444, 9445, 9649, 9694, 9749(o), 9801, 9819, 9932, I0008, I0080, I0218, I0220, I0548, I0956, II442, II537, II694, II695, II866, II967, I2936-I2938, I2944, I2945, I3156, I3163, I3269, I3354, I3503, I3506, I3517(o), I3668, I3706
- var. lacerata Hust. 7054, 8687, 8690, 8691, 8700, I0548, I0956, II451, II452, I3269, I3283, I3517(o), I3526
- var. lanceolata O'Meara 9801, I2710, I3269
- - f. constricta Hust. I3008
- var. minuta Hust. 9801
- var. naviculacea Grun. I0548
- var. pulchella III94(o), I2710, I2939, I3274, I3283
radians Kütz. 8473, 9959
reinboldii V.H. 9000(o,p), 9703, 9704
revaliensis Lemm. II694, I3668
robusta Ralfs 9220
rumpens Kütz. 7621, 8038, 9018(o), 9749(o), 9801, I0077, I0080, I0218, I0220, I0956, I0973, II695, II866, I2095, I2320, I3246, I3249, I3269, I3353, I3504, I3517(o), I3522, I3526, I3668, I3756(o,p)
- var. familiaris (Kütz.) Grun. 9442(o), 9444, I0548, I0646, I0956, III94(o), II694, I3246, I3249, I3517(o), I3522, I3524
- var. fragilarioides Grun. 9749(o), 9819, I0248, I3519
- var. meneghiniana Grun. I0548, I3246, I3249, I3517(o), I3526
- f. meneghiniana Grun. 9666
- var. rumpens 9444, II694, I2710
- var. scotica Grun. 8038, 8700, 9444, II451, II694, I2217, I2710, I3246, I3668, I3758(o)
subsalsa (A.Cl.) Hust. 9220
superba Kütz. 8266, 9711
tabulata (Ag.) Kütz. 7181, 7183, 7187, 7188, 7215, 7218, 7222, 7531, 7597, 7685, 7869, 7983, 8000, 8001, 8038, 8182, 8253, 8521, 8527, 8531, 8737, 8738, 8859, 8899, 8902, 8914, 8922, 8961, 8973, 8981, 9018(o), 9024, 9029, 9124, 9214, 9220, 9242, 9289, 9367, 9444, 9445, 9463, 9568, 9580, 9648, 9649, 9748(o), 9749(o), 9751, 9801, 9972, I0080, I0102, I0135-I0137, I0142, I0144, I0145, I0213, I0218, I0220, I0280, I0384, I0546, I0548, I0549, I0646, I0673, I0955, I0956, III90(o), II279, II571, II579, II694, II696(o), II866, I2933, I2937, I2938, I2944, I2945, I3008-I3010, I3014, I3161-I3164, I3269, I3287, I3354, I3373, I3495, I3499, I3503, I3504, I3512, I3517(o), I3522, I3645, I3706, I3747
- var. acuminata Grun. 9029, 9457-9459, II083, I0085, I0548, I0646, I0715
- var. fasciculata (Kütz.) Grun. 8738, 9018(o), 9220, 9456-9459, 9749(o), I0548, I0955, II083, II442, II579, I3668(p), I3706

- var. grandis Mer. 9029, 9220
- var. intermedia Grun. 8034, 9220, 9456, 9457, 9459, 9463, I0775, II408, II4I7
- var. obtusa Pant. 8034, 9220, 9457, 9459, II579, I27I0, I35I7(o)
- var. parva (Kütz.) Grun. 9220, 9456, 9457, 9459, I0226, I0548, I0956, II083, II537, II57I, II579, I27I0, I3373, I35I7(o), I3526
- var. tabulata 7354, 9457-9459, I0226, I0468, II083, II085, III84, III94(o), II442, I2420, I27I0, I2939, I327I, I3274, I3283
tenera W.Sm. 9749(o), I0956, II03I, II694, I2095, I3524, I3668
toxonoides var. curvata (Östr.) Hust. I289I
ulva (Nitzsch) Ehr. 7054, 7I03, 7I30, 7I32, 7I39, 7I42, 7I50, 7I55, 7I8I-7I83, 7I85-7I88, 72I5, 72I9, 722I, 7222, 7226, 7248, 7249, 7287, 7297, 7383, 7467, 7469, 7497, 7502, 7507, 7530, 7588, 7764, 7806, 7973, 7989, 7992, 800I, 8038, 8I48, 8I8I, 8247, 8254, 8266, 830I, 8309, 8473, 852I, 8555, 8690, 87I8, 8737, 8738, 8750, 878I, 8859, 89I3, 89I4, 89I6, 89I7, 8922, 8924, 8928, 8940, 8942, 898I(p), 9000, 90II, 90I8(o), 90I9-902I, 9053, 9057, 9060, 92I4, 9220, 9242, 9257, 9289, 9292, 9297, 9340, 9357, 9358, 9360, 9385, 944I, 949I, 9499, 950I-9504, 9568, 9580, 9643, 9648, 9649, 9690, 9694, 97I7, 9748(o), 9749(o), 975I, 980I, 9820, 9938, 9944, 9959, I004I, I0046-I0048, I0077, I0079, I0080, I0082, I0I07, I0II3, I0II4, I0I29, I0I48, I0I5I-I0I53, I0I73, I0I95, I020I, I024I-I0245, I0248, I0362, I0370, I0388, I0396, I0532, I0548, I0644, I0646, I0690, I07I5, I0732, I0733, I0866, I0875, I0905, I0955, I0956, I0970, I0975, I0997, III33, III83, III90(o), II222, II223, II529, II530, II537, II579, II672, II673, II695, II73I, II739, II864, II866, II88I, II904, II930, II932, II933, II935, II965, II967, I2049, I2050, I2052, I2055, I2095, I2I22, I2I24, I2I25, I2272, I2320, I2323, I2324, I2327, I233I, I2336, I234I, I2346, I2347, I2383, I24I6, I2420, I2467, I2478, I2579, I2637, I2645, I2652, I2776, I2784, I2863, I2870, I2897, I2932-I2936, I2938, I2945, I30II-I30I4, I3027, I3056, I3057, I3I27, I3I63, I3I68, I3I78, I3202, I32I8, I32I9, I3246, I3249, I3266, I3269, I3273, I3275, I3280, I3287, I3354, I3373, I34I2, I3482, I3488, I3499, I3506, I35II, I35I2, I35I4, I35I5, I35I7(o), I35I9, I3520, I3522, I3524-I3529, I3562, I3583, I3590, I3594-I3595, I364I, I3642, I3646, I3647, I3668, I3679, I3689, I3699, I373I, I3736, I3746, I3747
- var. aequalis (Kütz.) Hust. 7054, 762I, 7973, 800I, 8038, 8543, 9057, 9220, 9289, 9298, 9444, 9445, 9580, 9749(o), 980I, 9932, 9972, I0939, I0956, III28, II694, I2I25, I2I89, I2320, I2327, I2347, I27I0, I3I68, I3246, I3249, I3269, I327I, I3373, I3499, I35I7(o), I3520, I3522, I3668
- f. aequalis (Kütz.) Skabitsch. 8700, I2327, I2336
- var. amphirhynchus (Ehr.) Grun. 7054, 7620, 762I, 7973, 800I, 8038, 8422, 8423, 8700, 90I8(o), 9057, 9289, 9292, 9444, 9445, 9748(o), 9749(o), 980I, I0008, I02I8, I0220, I0548, I0646, I0657, I0956, III83, III84, III90(o), III94(o), II45I, II694, II729, II730, II866, II930, II967, I2I25, I2383, I30I2, I30I4, I3246, I3283, I3373, I3499, I35I4, I35I7(o), I35I9, I3524, I3525, I3668, I3758(o)
- f. amphirhynchus (Ehr.) Skabitsch. 9932, I2327
- var. berolinensis Lemm. 7992
- var. biceps (Kütz.) Schönf. 7I39, 7973, 8038, 8I44, 9057, 9220, 9292, 9443(o), 9444, 9448, 9568, 9694, 9748(o), 980I, I02I8, I0220, I0646, I0956, I0975, III90(o), III94(o), II222, II223, II694, II866, I2320, I2347, I2649(o), I27I0, I3I68, I3246, I3249, I327I, I3373, I3509, I35I7(o), I3668, I3756(o)
- f. biceps (Kütz.) Skabitsch. I2327, I233I
- f. capitata (Ehr.) Skabitsch. I2327, I233I, I2336
- var. contracta Östr. 9449, I0902, I2320, I2649(o), I3246, I3283
- subsp. danica (Kütz.) Skabitsch. II673, I2320, I233I, I2333, I2336, I234I, I3I68
- var. danica (Kütz.) Grun. 7054, 7I32, 7I35, 7243, 7246, 7250, 7467, 7469, 7804, 7973, 7989, 7992, 800I, 8002, 8038, 830I, 83I3, 87I8, 8737, 8738, 89I4, 9057, 9220, 9289, 9292, 9297, 9444, 9568, 9580, 9670, 9674, 9678, 9679, 968I, 9686, 9687, 9749(o), 975I, 980I, 9932, I0008, I02I8, I0220, I0646, I07I5, I0956, II094, III28, III58, III90(o), II442, II529, II672, II694, II697, II739, II864, II866, II967, I2320, I2482, I2649(o), I27I0, I29I0, I30I2, I30I4, I3I98, I3I99, I3208, I3246, I3283, I3354, I3499, I35I7(o), I3522, I363I, I3642, I3668, I3699, I3756(o)
- var. impressa Hust. 9297, 9444, 9445, I02I8, I0220, III90(o,p), II529, II694, I2320, I3246, I3668
- var. oxyrhynchus (Kütz.) V.H. 7620, 9289, 9444, 9568, 9749, I0046, I02I8, I0220, I0657, I0975, III90(o), II694, I2405, I3246, I3249, I3283, I3294, I3499, I35I4, I35I7(o), I3524, I3668
- - f. capitellata Kog. 965I
- - f. mediocontracta Forti 9444, 9749, I2649(o), I3526
- var. radians 975I
- var. spathulifera Grun. 762I, 8038, 9057, 9568, 9694, 975I, I02I8, I0220, III84, III90(o), III94(o), II529, II694, I2649(o), I30I2, I3246, I3283, I3294, I35I7(o), I3529, I3583, I3668
- f. spathulifera (Grun.) Skabitsch. I2327
- var. subaequalis Grun. I3668, I3756(o)
- subsp. ulna I2333
- var. ulna 7054, 7I04, 8266*, 8308, 8685-8687, 869I, 8700, 9444, 9445, 9459, 9932, I0008, I02I8, I0220, I0247, I0939, III28, III84, III94(o), II45I, II455, II694, I22I7, I2420, I2482, I2650, I27I0, I2939, I3270-I3272, I3274, I3283, I3284, I3290, I3294, I3586
undulata Bail. 753I, 898I, 9220, I0226, I0772
untermoehlii Hust. 9749(o), I3008
vaucheriae Kütz. 7054, 7296, 7973, 800I, 8038, 89I3, 9057, 9060, 9220, 9298, 9379, 9444, 9445, 9580, 9749(o), 9796, 980I, 9959, I0099, I0I48, I024I, I0245, I0246, I0248, I0548, III90(o), II442, II529, I2320, I2329, I2579, I276I, I2762, I3246, I3249, I3269, I3354, I3373, I3482, I35II, I35I7(o), I35I9, I3668, I3758(o,p)

- var. capitellata Grun. 8038, 9449, 9749(o), I0305, III90(o), I27I0, I3246, I3249, I3283, I3668, I3756(o,p)
- var. truncata (Greg.) Grun. I3246, I3249
- var. vaucheriae 8685, 8687, 869I, 8700(p), I0247, III28, II45I, II455, I27I0, I2939

Synochromonas Korsch.
sp. sp. I2324
gracilis Korsch. I0220, II88I

Synura Ehr.
sp. sp. 9670, I0008, I0I93, I0646, II077, II583, I2I75, I2344, I26I7, I3009, I30I0, I3730
adamsii G.Sm. 7507
echinulata Korsch. I2049
petersenii Korsch. 880I, I0646
splendida Korsch. 9932, II074(o,p), I2369
uvella Ehr. 7044, 7082, 7507, 7628, 7992, 800I, 8038, 8700, 89I9, 8927, 90I8(o), 90I9, 902I, 9024, 9053, 9I08, 9257, 965I, 9674, 9687, 980I, 9932, 9938, I0008, I0039, I004I, I0077, I0080, I0082, I0I89, I0646, II45I, II452, II455, II864, II866, II88I, II965, II966, I2049, I2320, I2344, I2478, I2482, I27I0, I2870, I3I27, I3I78, I3488, I3537, I3583, I3699, I3736

Syracosphaera Lohm.
sp. sp. 75I2, 8760, 9220, I0886, I2I53, I2597
bifenestrata Schill. 8763, 9788
brandtii Schill. 8763
cordiformis Schill. 8763, 9220
coronata Schill. 8762, 8763, I084I
coronifera Lec.-Schl. 8763, 9787
cupulifera Schill. 8763
dentata Lohm. 8763, 9220
grundii Schill. 7956
heimii Lohm. 8763, 9788
mediterranea Lohm. 9220, I0888, I20I9, I2I53
- var. binodata Kampt. 8763
molischii Schill. 8763
pulchra Lohm. 7956, 8762, 8763, 9220, 9787, I084I, I0888, I20I9, I2I53
spinosa Lohm. 8763
subsalsa (Conr.) Kampt. I2I53

Syringidium Ehr.
daemon Grev. 8990
pouseri Boyer 8990

Tabellaria Ehr. ex Kütz.
sp. sp. 7I73, 7400, 7506, 83I9, 8750, 9I04, 9I08, 922I, 9337, 9356, 9358, 9386, 9393, 940I, 9625, 9648, 9752, 997I, 999I, I0I04, I02I7, I0279, I0280, I0306, I0388, I04I4, I0453, I0454, I0543, I0900, I0904, I0996, II083, II085, II3II, II46I, II583, II607, II67I, II690, I2344, I2408, I24I6, I2673, I2747, I2993, I3008, I30I3, I3206, I3730, I3736
binalis (Ehr.) Grun. III84, II530, II693-II695, I27I0, I363I(p), I3668(p)
fenestrata (Lyngb.) Kütz. 7054, 7096, 7I42, 7246, 7250, 7254, 7296, 7297, 7383, 7507, 7530, 753I, 7700, 7973, 800I, 8038, 8I8I, 8228, 8247, 8248, 8266, 830I, 8306-8308, 83I0, 83I3,

83I6, 83I7, 837I, 8422, 8473, 869I, 8692, 8699, 8738, 878I, 8830, 8896, 89I4, 8940, 8960, 8976, 898I, 8988, 9000, 90I8(o), 90I9-902I, 9057, 9060, 9I04, 9I08, 9204, 9257, 9297, 9357, 9358, 9379, 9442(o), 9444, 9446, 9448, 9499, 950I, 9503, 9568, 9649, 9670, 9694, 9748, 9749(o), 975I, 980I, 98I9, 9938, 9943, 9959, 997I, I0046, I0080, I0082, I0086, I0I07, I0II3, I0II4, I0I30-I0I33, I0I69, I0I73, I0I76, I0I80, I0I98, I020I, I0202, I024I, I0280, I0306, I037I, I0384, I04I4, I045I, I0455, I0456, I0532, I0646, I082I, I0822, I0866, I0905, I0928, I0939, III26, III90(o), II3II, II424, II452, II488, II529, II549, II594, II595, II660, II67I, II693, II695, II696(o,p), I.864, II866, II88I, II930, II932, II965, II997, I2004, I2052, I2I55, I22I5, I2320, I233I, I2333, I234I, I2350, I2405, I24I6, I2478, I2485, I2577, I2580, I2808, I2870, I3008, I30I4, I3027, I3I27, I3I68, I3279, I3353, I3354, I3365, I3482, I3488, I358I, I3590, I3594-I3595, I363I, I3659, I3665, I3668, I3679, I3704, I3706, I3724, I373I, I3747, I3756(o,p), I3757, I3759(o)
- var. asterionelloides Grun. 7757, 8473, I0080, I0I32, I0869, I0870, I0876, I0878, I0906, II694, II866, I27I0, I363I, I364I, I3642, I3689
- var. fenestrata 7054, 8308, 8685-8688, 8690, 869I, 8694, 8697-8699, 8700(p), 8888, 9932, 9938, I0008, I0I32, I0I33, I02I8, I0220, I0902, III28, II45I, II452, II454, II455, II457, II694, I22I7, I2336, I2579, I27I0, I3274
- var. geniculata A.Cl. 7054, 869I, 8700, 9932, II88I
- subsp. intermedia Grun. I233I
- var. intermedia Grun. 7054, 762I, 7877, 8038, 8248, 830I, 8308, 8690, 869I, 8694, 8700(p), 8738, 90I8(o), 902I, 9568, 9749(o), 975I, 9932, I0008, I0I30, I0I32, I0I33, I0202, I02I8, I0220, I0384, I0870, III28, II45I, II452, II455, II537, II672, II673, II694, II696(o), II930, I23I8, I2522, I2579, I320I, I3526, I3593, I3641, I3642
flocculosa (Roth) Kütz. 7054, 7I32, 7254, 7489, 7507, 7620, 7700, 7973, 8038, 8I8I, 8247, 8248, 830I, 8422, 8473, 8685-8687, 869I, 8692, 8694, 8700(p), 8738, 8739, 878I, 8830, 8896, 898I, 8988, 90I8(o), 90I9, 9053, 9057, 9060, 9I33, 9257, 9357, 936I, 9362, 9379, 9444-9446, 950I, 9503, 9568, 9670, 9694, 9748, 9749(o), 975I, 98I9, 9932, 9938, 997I, I0008, I0099, I0II3, I0I33, I020I, I0202, I02I8, I0220, I037I, I0384, I04I4, I0455, I0646, I0822, I0866, I0939, II224, II3II, II424, II45I, II452, II455, II529, II530, II594, II693-II695, II866, II88I, II930, I2004, I2049, I22I7, I2320, I2327, I233I, I2333, I2336, I2405, I250I, I2522, I2579, I2646, I27I0, I2808, I2870, I3027, I3I68, I320I, I3354, I3365, I3482, I3488, I358I, I363I, I3668, I3724, I373I
fragilarioides Lupik. 8293, I04I2, I04I3(o,p), I04I4
intermedia (Grun.) Skabitsch. I3704

Tania Korde
sp. sp. 9823
tadzhicistanica Korde 9823

Taninia Korde
tomentosa Korde 9833

Tannuolaia Vologd.
foninii Vologd. 8I24(o,p)
Tarama Wray
sp. sp. 9833
Tchentchia Kolosov
sp. sp. 974I
Tectochara L. et N.Gramb.
sp. sp. 99I9, I3262
austera Gluchovskaja 8374(o,p)
diluviana (Mädler) Gramb. 7I52, I059I, I0602(o,p), II097
- var. usboensis Masl. I0602(o,p)
fortangensis Masl. I0602(o,p)
grambastorum Peck 7737
insolentis Gluchovskaja 8374(o,p)
kaukasica Masl. 8374, I0602(o,p)
merianii L. et N. Gramb. 7I52, 7832, I059I, I0602(o,p), II097
nethoiensis Masl. I0602(o,p)
ovoidea Nick. II098
tenera Gluchovskaja 8374(o,p)
Tenua Eis.
histrix Eis. II463
Tergestiella Kampt.
barnesae Black et Barnes I3466
deflandrei Noel I3466
frequens Noel I3466
margerelii Noel I3468(p), I347I(o,p)
Terpsinoe Ehr.
americana (Bail.) Ralfs 8738, 878I, 93I2, 9356, 9360, I0379, I0380
- f. trigona Pant. I04I4
musica Ehr. 93II
Terquemella Morellet
parvula Morellet I0608(p)
Tetmemorus Ralfs
sp. sp. 8303, 8308, 9446, I0I58
brebissonii (Menegh.) Ralfs f. brebissonii I0I60
- f. minor (De Bary) Kossinsk. I0I60, I2I75(o,p)
granulatus (Bréb.) Ralfs I0I60, II866
laevis (Kütz.) Ralfs I2667(o)
- var. laevis I0I60
- var. minutus (De Bary) Krieg. I0I60
Tetrachlorella Korsch.
sp. sp. 9I33
alternans Korsch. 7462, 7465, 7469, 7620, 800I, 8038, 980I, II697, II866, II966, I3060(o,p), I306I, I3246, I3249, I3287, I3535
coronata Korsch. I3270, I327I
ornata Korsch. 800I, 980I, I0363, I3535
Tetracoccus West
sp. sp. III98
botryoides West 7732, 9298, 9324, 9748(o,p), I0286, I0822, II720, I2358, I2359, I2906, I3666
natans (Kirchn.) Lemm. I3526
Tetracyclus Ralfs
sp. sp. 7287, 8799, 8895, 8896, 8988, 9060, 9379, 994I, 9952(p), I04I4, I0899, II083, II085, I2035, I2037, I3I63, I3I7I, I3353, I3724
celaton Okuno 8293, 8988, 9379, I04I2, I04I3(o,p), I04I4, I0900-I0904, I2037(p)
ellipticus (Ehr.) Grun. 7287, 8293, 8422, 8896, 8988, 9379, I04I4, I0899, I0900, I0904, II559, I2037, I3I67, I3I70, I3I7I, I3365
- f. apiculatus Okuno I04I4
- var. clypeus Hust. I0902
- var. ellipticus I04I4, I0900-I0903
- f. ellipticus I04I4
- var. inflatus Hust. 8896
- var. lancea (Ehr.) Hust. 8896, I04I2, I04I4, I0900, I0902, I0903, I3I7I
- - f. elongatus Hust. I0902
- - f. lancea I0902
- - f. latus Hust. 8422
- - f. subrostratus Hust. I0902
- var. latissimus Hust. I0900-I0903, II559
- var. linearis (Ehr.) Hust. I0902, II559
- f. minor Hust. I3365
- f. rhombicus Moiss. II559
- f. subrostratus Hust. II559
emarginatus (Ehr.) W.Sm. 7054, 7I30, 7I42, 7287, 7489, 7700, 7973, 8I82, 8422, 8687, 869I, 8700(p), 878I, 898I, 9057, 9I99, 9353, 9379, 972I, I037I, I0532, I0939, III68, II3II, II424, I250I, I3I63, I3I70, I3I7I
- f. minor I3I7I
floriformis Tscher. I3I70
japonicus (Petit) Hust. 8293, 8895, 8896, I04I3(o,p)
javanicus Hust. 8896, I04I2, I04I4
jimboi (Pant.) Jousé I3I67
lacustris Ralfs 7054, 7I30, 7489, 7700, 7973, 8I8I, 8422, 8432, 869I, 8737, 8738, 878I, 8896, 898I, 8988, 9379, 9385, I0I98, I0309, I037I, I04I2, I04I4, I0532, I0900, I0904, I0939, II3II, II424, II529, II694, II696(o,p), I2035, I2037, I2320, I2405, I250I, I2723, I3I63, I3I69-I3I7I, I320I, I3354, I3668(p)
- var. capitatus Hust. 7I30, 7I32, 7I42, 8I8I, 8896, 9I99, I020I, I0249, I04I4, I0902, II559, II696(o,p), I3I67
- var. elegans (Ehr.) Hust. 7973
- var. elongatus Hust. 7973, 8896, 9379, I04I4, I0902, I2037, I3I67, I3365
- var. lacustris 8687, 869I, 8700(p), 9444, I04I4, I090I, I0902
- var. lanceolatus Moiss. I04I4, I0900-I0903
- var. spinosus Tscher. 8896
- var. strumosus (Ehr.) Hust. 7054, 7I42, 8I8I, 8422, 869I, 8700(p), 9297, 9444, 9445, I0I98, I037I, I04I4, I0902, I2405, I320I
- var. tenuis Hust. I3365
polygibbus (Pant.) Jousé 9379, I3I67
rhombicus Jouné 8896
rupestris (A.Br.) Grun. 7096, 7I42, 7287, 8896, 9379, 97I5, I037I, II3II, II424, II529, I27I0, I3668
subellipticus Tscher. I3I67

tuncaensis Tscher. I3I67
Tetradesmus G.Sm.
ap. sp. 8570
cumbricus var. apiculatus Korsch. I0220
lunatus Korsch. 9220
wisconsinensis G.Sm. 9220
Tetraëdriella Pasch.
sp. sp. III84
acuta Pasch. I02I8, I0220
alternans I3279
gigas (Pasch.) Ded.-Stscheg. 9294, 9296, I327I, I3273, I3274
impressa Pasch. III85
spinigera Skuja I328I
Tetraëdron Kütz.
sp. sp. 747I, 7764, 7805, 8584, 8725, 89I2, 9242, 9289, I0I94, I0706, II663(p), II790, II793, I2236, I2833, I3009, I30I0, I3266, I3280, I3398, I3648, I3736
bifidum (Turn.) Wille 980I, I0080
- var. bucharicum I.Kiss. 980I
caudatum (Corda) Hansg. 7082, 7249, 7250, 7702, 800I, 8038, 8555, 87I8, 89I2, 8924, 9I34, 9220, 9289, 9340, 9433-9435, 9694, 980I, I0042, I0046, I0077, I0079, I0080, I0082, I0I33, I0I48, I0280, I0363, II537, II585, II830, II866, II967, I2052, I2320, I2579, I28I0, I3009, I30I0, I30I2, I30I4, I3246, I3249, I3373
- var. caudatum 9298, III28, I327I, I3272, I3274
- f. caudatum 9I33
- var. incisum Lagerh. 90I8(o), 9298, 980I, I0080, I02I8, I0220, I30I2, I30I4, I3594-I3595, I3642
- var. longispinum Lemm. 980I, II864, II866, I3246
- var. punctatum Lagerh. 7620, 8038, 9694, I30I2, I327I
constrictum G.Sm. 800I, I3246
crassispinum (Reinsch) Wille I0220
curvatum (West) Wille 8700, I0080, II45I, I22I7
cuspidatum (Bail.) Wille I0080, I02I8
enorme (Ralfs) Hansg. 800I, I0080, I3642
- var. equisetum Reinsch I0080
gracile (Reinsch) Hansg. 800I, I0080, I02I8, I0220, II866
hastatum (Rabenh.) Hansg. 7702, 800I, 980I, I0077, I0080, I0082, I3526
- var. palatinum Lemm. 980I
incus (Teil.) G.Sm. 7303, 7702, 800I, 8038, 8555, 9220, 9289, 9293, 9340, 9687, 9749(o), 9752, 980I, I0042, I0046, I0077, I0079, I0080, I0082, I0I33, I0646, I0866, I0875, II452, II537, II673, II697, II859, II866, II967, I2478, I2482, I3009, I30I0, I30I3, I3I44, I3246, I3249, I3527, I3594-I3595
- var. incus 7465, 8700, I0008, II45I, I327I, I3272
- f. incus 9I33
lacustre 7057
- var. elongatum 9I08
limneticum Borge 7057, 800I, 980I, I0008, I0077, I0080, I0082, I02I8, I0220, II866, I2478, I2482, I3246, I3249, I3583, I3736
lobatum var. brachiatum Reinsch 980I
lobulatum (Näg.) Hansg. 800I, 980I, I3526

longispinum (Perty) Hansg. 9748(p), I0080, I0286, I2906, I3373, I3689
lunula (Reinsch) Wille 980I, I327I
minimum (A.Br.) Hansg. 7082, 72I5, 7248-7250, 7626-7628, 7754, 7806, 800I, 8038, 8570, 858I, 8725, 8778(o), 8904-8907, 8909, 9I34, 9289, 9298, 9433-9434, 950I, 9643, 9649, 9694, 9752, 980I, I0046, I0048, I0077, I0080, I0082, I0II3, I0I30, I0I3I, I0I33, I02I8, I0220, I0280, I0644, I0905, III83, III90(o), III98, II537, II583-II585, II673, II792, II794, II859, II864, II866, II967, I2I22, I2327, I2342, I24I6, I2482, I2577, I2579, I2580, I27I0, I2863, I3009-I30II, I30I3, I3027, I306I, I3I48, I3I99, I3245-I3247, I3249, I3250, I3526, I3527, I3535, I3589, I3594-I3595, I363I, I3642, I3747
- var. apiculatum Reinsch 980I
- var. longispinum Defl. 800I, II537, I3246
- var. minimum 7465, 8700, 8776, 8908, 9500, I0008, I327I, I3274
- f. minimum 9I33
- var. papillatum 980I
- var. scrobiculatum Lagerh. 90I8(o)
minutissimum Korsch. 7303, 800I, 8038, 9340, 980I, I0046, I0080, I0I33, III84, III86, II672, I2327, I28II, I327I, I3274
minutum Hansg. 7702
muticum (A.Br.) Hansg. 800I, 8877, 89I4, 89I6, 980I, I0077, I0080, I0082, I0362, II859, II860, II864, II866, I2320, I2342, I2933, I327I, I3272, I3373, I3736
obesum (W. et G.S.West) Wille 8266
octaëdricum (Reinsch) Hansg. 980I
pentaëdricum W. et G.S.West 8038, 980I, I0008, I0080, I0I33(o), II537, I24I6, I30I2, I30I4, I327I, I3747
platyisthmum (Arch.) G.S.West 8038, I0080
proteiforme (Turn.) Brunnth. 980I, 9864, I0077, I0080, I0082
punctulatum (Reinsch) Hansg. I0077, I0080
quadratum (Reinsch) Hansg. 980I, I0080
- var. gibberosum Reinsch I0080
raphidioides (Reinsch) Hansg. 980I
regulare Kütz. 8038, 89I2, 980I, I0080
- var. incus Teil. 90I8(o), 980I, I0080
- var. torsum Turn. 980I
schmidlei (Schröd.) Lemm. 9220, I3689
spinulosum (Schmidle) Lemm. 980I, I02I8, II866
staurastroides (West) Wille 980I, I0080
triangulare Korsch. 7250, 7702, 800I, 8038, 850I, 8555, 89I2, 9500, 9649, 9694, 980I, 9944, III84, II186, II537, II673, II866, I3009, I30I0, I30I3, I3060, I3246, I327I
triappendiculatum (Bern.) Wille I0080, I3272, I3736, I3747
trigonum (Näg.) Hansg. 800I, 8554, 9298, 9755, 980I, I0080, I0082, I02I8, I0220, II860, II864, II866, I3245, I327I, I3736
- var. crassum Reinsch 980I
- var. gracile (Reinsch) De Toni I24I4
- var. minus Reinsch 980I, I0080
- var. papilliferum (Schröd.) Lemm. 980I, I0080
- var. setigerum (Arch.) Lemm. 980I
- var. tetragonum (Näg.) Rabenh. 980I

- var. trigonum I3272
trilobatum (Reinsch) Hansg. 980I
Tetrakentron Pasch.
acutum (Pasch.) Pott I2327
tribulus (Pasch.) Pott I2327
Tetralithus Gardet
sp. sp. 8539
gothicus Defl. I0428
insuetus Luljewa I0434(o,p)
obscurus Defl. I0428(p), I0430, I0433
ovalis Str. I0428, I0433
pyramidus Gardet I0427(p), I0432-I0434
Tetrallantos Teil.
lagerheimii Teil. 980I, II866
Tetramitus Perty
rostratus Perty 8266
Tetrapedia Reinsch
sp. sp. I0280
gothica Reinsch 9944, I0026, I0I77, I3008, I3518
reinschiana Arch. I2680, I3518
Tetraptera Rasumov
halophila Artari I3750
Tetrarcus Skuja
ilsteri Skuja 8700, 9580, 9749(o), I0026, I0218, I0220, II184, I3373
- f. compositus Kukk I0026
Tetraspora Link ex Desv.
sp. sp. 7506, 7507, 7799, 8I85, 8430, 9748, I0646, I220I, I3730
bullosa Ag. 9260, 926I
cylindrica (Wahlenb.) Ag. 830I, 9262, I0877, I2643
- var. bullosa C.Meyer 7547, 7548, 9260, 926I, 9263, 9670(o), I2329
gelatinosa (Vauch.) Desv. 8778(o), 8859, 89I4, 89I7, 9689, 980I, I0877, II190(o), I2522, I2934, I2939, I2944, I2950, I3526
lacustris Lemm. 830I, 8700, I0956, I3482
limnetica W. et G.S.West 8038, 83I3, 83I6, I0218, II88I
lubrica (Roth) Ag. 7383, 8038, 9670, I0II3, I0I26, I0218, I0220, I2643
reticulata 7547
tenera Korsch. I0008, I0220
ulvacea Kütz. 7986, 7989, 7992, 800I, I3562, I3564
Tetranporopsis Lemm. ex Schmidle
reticulata C.Meyer 9260, 926I, 9263, 9670, II688, I2329
Tetrastrum Chod.
sp. sp. 7I55, 7627, 7628, 89I6, 8939, 9959, I0I94, I09I4, II737, I2578, I2928
apiculatum (Lemm.) Schmidle 7626, 90I8(o), 9959
elegans Playf. 7I03, 7I04, 800I, 8926, I0008, I0046, II455, II672, II673, II866, I2327, I2416, I3246, I3249
glabrum (Roll) Ahlstr. et Tiffany 7I93, 7702, 796I, 800I, 8038, 8I47, 8202, 8560, 87I0, 87I5, 87I8, 8859, 89I4, 9220, 9289, 9340, 9687, 969I, 980I, I0008, I0046, I0218, I0220, I0363-I0365, I0646, I0690, II537, II672, II673, II730, II736, II866, II966, II967, I2323, I2327, I2333I, I2336, I2577, I2579, I2934, I30I2, I30I4, I3026, I3I78, I3246, I3249, I327I-I3274, I3287, I3294, I35I7(o), I3600
hastiferum (Arnoldi) Korsch. 800I, 9801, I0046, I0220, I022I, II672, II673, II866, I2327, I3246, I327I, I3274
heteracanthum (Nordst.) Chod. 980I, I0I33, I0646, II866, I2I22, I2327, I2478, I3202, I3246
- var. heteracanthum I327I, I3272
multisetum (Schmidle) Chod. 9220, 9752, 980I, 995', I3373, I3689
- var. punctatum Schmidle 8877, I0080, I02I8, I3689, I37I3
punctatum (Schmidle) Ahlstr. et Tiffany 800I, 8038, 980I, I0077, I0220, I0280, II866, II967, I3026, I3246, I3249, I327I, I3274, I3279
staurogeniiforme (Schröd.) Lemm. 7082, 800I, 8038, 8I06, 8555, 87I0, 87I8, 8877, 8879, 89I4, 90I9, 9220, 9340, 980I, I0008, I0046, I0077, I0079, I0080, I0082, I02I8, I0220, I0646, I0905, II537, II672, II673, II736, II864, II866, I2342, I2482, I2579, I3026, I3246, I3249, I3272, I3273, I3287, I3373, I3689
- var. staurogeniiforme 8700, II455, I327I, I3272, I3274, I3294
triacanthum Korsch. 980I, II866, I3586
- var. abundans Korsch. 9687, 9882, I0046
- var. triacanthum I327I
Tetratomococcus Korsch.
ornatus Korsch. 8038, 9944, I2327
Teutloporella Pia
sp. sp. 9823
herculea Stoppani 983I
Thalassionema Grun. ex Hust.
sp. sp. 8527, 88I3, 9002, 994I, I04I7, I0756, I0979, II083, II450, I2I53, I2223, I2230, I2597
elegans Hust. 7534(o), 7536, I2I52
lineatum Jousé 8990
nitzschioides Grun. 706I, 7063, 7I63, 7348-7355, 749I, 75II, 75I7, 7532, 7534(o), 7536, 7596, 7597, 7633, 7829, 7869, 792I, 7925, 793I, 7933, 7935, 7950, 7956, 82II, 8254, 8320, 8570, 8737-8739, 8762, 8763, 896I, 898I(p), 8990, 8994, 8999, 9002, 9029, 9I24, 9I4I, 9I42, 92II, 9220, 922I, 9223, 9230, 9232, 9372, 9375, 96I9, 9708, 97II, 97I3, 97I6, 9747, 9783, 9784, 9787, 9788, 9790, 9793, 9874, 9965, I00I3, I00I7(o), I0092, I0I0I, I0I02, I0II2, I0I36, I0I98, I0206, I0208, I02I0, I02I3, I0280, I037I, I0462, I0469, I0474, I0673, I0803, I0840, I084I, I0846, I0865, I0888, I0892, I0960, I0978, I0980-I098I, I0982(p), I0983, II069, II234, II3II, II536, II537, II9I0, II957, II967, II994, II997, I2004, I2006, I2007, I20I9, I208I, I2I53, I2223, I2228, I223I, I259I, I2592, I2669, I289I, I2892, I2955, I2956, I2962, I3002, I3I6I, I3I62, I3I65, I3I7I, I3248, I3249, I3250, I3353, I3362, I3363, I36I6-I36I8, I3649, I3706, I3724, I3725
- var. lanceolatum Grun. 8738, 8982, I3353
- var. nitzschioides 972I
- var. obtusum Grun. 7534(o), 7536, 8982, 8990, 9720, 972I, I037I, I3I62, I3353(p), I3363(o,p), I3706
- var. parvum Heid. et Kolbe 7534(o), 7536, 8990, 8994, 97I2, 97I3, 972I, I0475, I0976(p), I0978, I0983, I2I52, I3353

parvum Heid. 8990, I0980-I098I, I0982(p)
Thalassiophyllum Post. et Rupr.
clathrus (Gmel.) Post. et Rupr. 9I24
Thalassiosira Cl.
sp. sp. 7287, 7348, 7354, 7489, 7493, 7633, 7680, 7953, 7972, 8254, 8370, 8387, 853I, 8738, 8760, 8895, 8896, 8974, 898I, 8990, 8995(p), 9000, 9029, 9054, 9I4I, 9I42, 9204, 9227, 9357, 9703, 97II(p), 97I3(p), 9720, 9788, 9790, 9902, 9959, 9995, I00I3, I0276, I0279, I0280, I037I, I0384, I0746, I0756, I0765, I0803, I0939, I0979, I0982, II083, II277, II450, II605-II606, I2078, I2079, I2I52, I2I53, I2228, I2235, I2365, I3I7I, I3353, I3363, I3388, I3706, I3724
aculeata Pr.-Lavr. 896I, I0470, I0474, II537
aestivalis Gran et Angst 7956, 898I, I2I52, I2599
affinis Makar. I046I(o,p), I0469, I0470, I0474
ambigua Kozlova 9703(o,p), 9705, 9707(o,p)
angstii (Gran) Makar. I0476(o)
antarctica Comb. 9000(o,p), 9703(p), 9705(p), 97II, I033I
antiqua (Grun.) A.Cl. 7829, 898I(p), 9000, 972I, I3353, I3362, I3495
- var. septata Pr.-Lavr. 9220, I0470
baltica (Grun.) Ostf. 7868, 7869, 7952, 8523, 8739, 9I24, 9I95, 9568, I0079, I0080, I0939, II087, II093, II907, I2892, I3I6I, I3I64, I3I7I, I3645
- var. fluviatilis (Grun.) A.Cl. I3I64, I3I7I
bioculata (Grun.) Ostf. 82II, I00I3, II994, I289I, I2892
caspica Makar. 7I44, 7348-7355, 896I, 9I24, 9I32, I0276, I0280, I0283, I0463, I0469, I0470, I0474, I3576
convexa Muhina 899I, 8994, 8997, 97I0, 97I3(p), I0976, I0977(o,p), I0978, I0982(p), I0983
coronata Gaard. 9704
coronifera (Pr.-Lavr.) Pr.-Lavr. 7350, 7354, 8254, 9220, 9720, I0I0I, I0I02, I0465, I0468, I0470, I0473-I0475, II537
decipiens (Grun.) Jörg. 706I, 7063, 7490, 7530-7532, 7534(o), 7536, 7597, 7950-7952, 7954, 82II, 8387, 8737, 8738, 8763, 898I, 8982, 8990, 8994, 8995, 8999, 9002(p), 9029, 9I24, 9220, 96I9, 97II, 97I6, 9976, I00I3, I00I7(o), I0886-I0890, I0892, I0978, I0980-I098I, II537, II997, I2004, I2I52, I2I53, I289I, I2892, I3248-I3250, I3357(o,p), I3627, I3629, I3649, I3706
delicatissima Pr.-Lavr. 9720
delicatula Hust. 9000(o,p), 9703, 9704, 9705(p)
dubia Kozlova 7733-7735, 9000(o,p), 9703(o,p), 9704, 9705(p)
elegans (Brun) Jousé 7829, 8978(o,p)
excentrica (Ehr.) Cl. 7054, 7063, 7490, 7493, 7497, 7530-7532, 7597, 7829, 7925, 793I, 8I4P, 82II, 8432, 8488, 8687, 8690, 869I, 8737, 8738, 8763, 8780, 878I, 8976(p), 8977(p), 8979, 898I(p), 8982, 8994, 8995(p), 8999, 9002(p), 9029, 9220, 96I9, 9709, 97II, 97I6, 9720, 972I(p), 990I, I00I7(o,p), I0I84, I0280, I0332, I0384(p), I0388, I0389, I039I, I0532, I0939, III68, II334, II455, II537, II908, II9I0, II979, II980, I3249, I3353, I3363, I3649, I3706, I375I
- var. fasciculata Hust. 9220, I00I7(o,p), I0280
- f. major 898I
fallax Kozlova 9000(o,p), 9703(o,p)

fluviatilis Hust. III85
frenguellii Kozlova 9705(o,p), 9706(p)
gracilis (Karst.) Hust. 7667, 7733, 7735(p), 8977(p), 8999, 9000(o,p), 9002(p), 9702, 9703(o,p), 9704, 9705(p), 97II(p), 97I2, 97I6, I033I, I3649
gravida Cl. 7053, 7054, 7I30-7I32, 7I37, 74I5, 74I6, 7424, 7430, 7490, 749I, 7494, 9497, 7530-7532, 7597, 7827, 7869, 7950-7952, 7954, 7955, 7957, 7958, 7960, 82II, 8246, 8387, 8432, 8690, 8737-8739, 8763, 878I, 8976(p), 8977(p), 8979, 898I(p), 8994, 8995, 8999, 9002(p), 9029, 9I24, 9I88, 9I95, 9204, 9220, 95I0, 95I2, 97I2, 97I5, 97I6, 9747, 990I, I00I3, I00I4, I00I7(o,p), I0I98, I020I, I033I, I037I, I0384, I0388, I0532, I0749, I0886-I0888, I089I, I0892, I0939, III68, II205, II375, II424, II907, II908, II9I0, II979, II980, II994, II997, II998, I2004, I2006, I2007, I2I53, I2228, I2489, I289I, I2892, I2898, I2955, I2956, I2962, I3I60-I3I62, I3I64, I3206, I3495, I3627, I3629, I3649, I3694, I3706, I3724
- f. convexa 8979
- f. fossilis Jousé 7493, 7829, 8978(o,p), 898I(p), 8995, 972I, I0389, I039I, I3353(p), I3358, I3362
haynaldiella Jousé 8978(o,p), 898I(p), I3353(p), I3358
hustedtii var. vana Makar. et Pr.-Lavr. 7350, 7353, 7354, I0280, I0469, I0470, I0474, I0480(o,p)
hyalina (Grun.) Gran 7490, 7494, 7497, 7530, 753I, 7532, 7954, 7957, 82II, 8387, 8979, 898I(p), 8995, 9002(p), 9I88, 9709, 97I2, 97I6, I033I, I0886, I0888, I0939, II994, II997, I2004, I2006, I2228, I2892, I3353, I3649
- f. kryophiloides Kusjmina I00I7(o,p)
incerta Makar. 7348, 7350, 7353-7355, 896I, I0280, I046I(o,p), I0469, I0470, I0474
indefinita Jousé 898I(p), II334
japonica I.Kiss. 7532, 9002, 9I24, I2228
kozlovii (Kozlova) Makar. I0476(o)
kryophila (Grun.) Jörg. 7426, 7490, 7494, 7497, 7530, 7532, 8738, 8780, 898I(p), 9002(p), 9029, 9052, 97I5, I0939, III68, II908, I2228, I3I64, I3353
levanderi Van Goor 9029, I0386(o,p), I27I0
lineata Jousé 8993(o,p), 8994, 8999, 9002, 9704, 97II, 97I3, I0978, I0980-I098I, I0982(p), I0983
maeotica Pr.-Lavr. 9720
manifesta Sheshuk. 7493, 972I, I3353, I3357, I3362
margaritae (Freng. et Orlando) Kozlova 7493, 9000(o,p), 9703(o,p), 9704, 9705(p), 9707(o,p), 97II, 972I(p), I033I, I3357(o,p)
marujamica Sheshuk.-Poretzk. 8990, 8994, 97II, 97I3, I0982, I3353
mirniae Jousé 8987(o), 9000(o,p), 9705(p), 97II
nana Lohm. 792I, 9I24, II087, II093, I3645
nanolineata Mann 8990
nativa Sheshuk. 972I, I3357(o,p)
nidulus (Temp. et Brun) Jousé 7493, 7829, 8978(o,p), 8995, 972I(p), I037I, I0389, I039I, I3353(p), I3358
nitzschioides Grun. 7868, 7954, 8995, 9I95
nordenskioeldii Cl. 7I32, 74I5, 74I6, 7424, 7430, 7530, 753I, 7950, 7952, 7954, 7957, 82II, 8387, 898I(p), 8994, 8995,

8999, 9002, 9029, 9I24, 9I88, 95I0, 96I5, 9709, 97I2, 97I6, I00I3, I00I4, I00I7(o,p), I033I, I0476(p), I0749, I0886, I0892, II35I, II424, II979, II994, II997, I2004, I2006, I2007, I2I53, I2222, I2228, I2489, I26I5, I289I, I2892, I3353, I3645, I3649
- f. fossilis Jousé 898I(p)
obica Kozlova 9000(o,p), 9703(o,p), 9705(p), 9707(o,p), 97II
oestrupii (Ostf.) Hasle 8982, 8990, 8994, 8999, 9002(p), 97II, 97I3(p), I0982(p), I0983, II9I0
- var. oestrupii 8993(o,p)
- var. plana Jousé 8993(o,p)
- f. plana Jousé I0982(p)
ornata Pr.-Lavr. 75I7, 9220, 96I9, 9785, 9793, I0470, II805(p)
pacifica Gran et Angst 8976(p), 8979, 898I(p), 8982, 8994, 8995, 9002(p), 97I6, I0476(o), II980
parva Pr.-Lavr. 706I, 7063, 896I, 92I9, 9220, 9223, 9230, 9232, 9234, 96I9, 9784, I0276, I0465, I0470, I0473-I0475, II537, I3249
perpusilla Kozlova 9703(o,p), 9704, 9705(p), 9707(o,p), 97I6, I3649
punctata Jousé 7493, 8978(o,p), 898I(p), I3362
rhombica Hust. I3649
rotula Meunier 7956, I00I7(o), I0748, I0749, I0886 - I0889, I089I, I0892, I24.4, I2489, I3706
spicula Kozlova 9703(o,p), 9705(p), 9707(o,p)
subsalina Pr.-Lavr. 7354, 7995, 9220, 9223, 9230, I0I0I, I0I02, I0280, I0465, I0468, I0470, I0473, I0474, II537, I3249
subtilis (Ostf.) Gran 706I-7063, 7534(o), 7536, 7952, 7954-7956, 898I, 9I37, 9I38, 9I40, 9I4I, 9I43, 922I, 9375, 9976, I00I5, I00I6, I00I7(o), I0886, I0888, I089I, I0892, II283, II658, I2079, I2I52, I2I53, I22I4, I2444, I2669, I29I7, I3I00
tcherniai Manguin 9000(o,p), 9703, 9704, 9705(p)
tenera Pr.-Lavr. 9220, I0470, II80I(o,p)
tertiaria Sheshuk. 7493, 972I(p)
ulna Kozlova 9707(o,p), 97II
undulosa (Mann) Sheshuk. 8995, 972I
usatschevii Jousé 7530, 8432, 8978(o,p), 898I(p), I3358, I3362
variabilis Makar. 896I, 9I24, 9I32, 9720, I0I02, I0276, I0280, I0283, I0463, I0465, I0468-I0470, I0474, I3576
- var. fasciculata Pr.-Lavr. II537, II80I(o,p)
- var. variabilis 7I44, 7348-7355
zabelinae Jousé 7493, 7530, 7829, 8978(o,p), 898I(p), 8995, 972I(p), 9873, 9874, I3353(p), I3358, I3362
Thalassiothrix Cl. et Grun.
sp. sp. 7063, 74I4, 75I4, 7633, 7972, 8760, 8990, 8999, 9I37, 9I38, 9I4I, 9708, 97II, 97I3, 9868, I0460, I0744, I0746, I0748, I0756, I0979, II234, I2079, I2080, I2I53, I2223, I2230, I223I, I2365, I2594, I2596, I2597, I3353, I3388, I3478
antarctica Cl. et Grun. 7667, 88I5, 9000(o,p), 9228, 9432, 9598, 9702, 9703(p), 9704, 9705, 9708, 97II, 97I2, 97I6, I0II9, I0I20, I0265, I0332, I3649
delicatula Cupp 7534(o), 7536, 7956, 922I, 9598, 9708, 97II, 97I6, I0886-I0892, I2I53, I2222-I2224, I2444, I2597, I2599

frauenfeldii Grun. 75II, 753I, 7954, 7956, 8292, 8762, 8763, 898I, 9I4I, 9I42, 9220, 922I, 97I6, 9787, 9788, 9790, 9965, 9966, 9976*, I00I7(o), I0092, I02I0, I0840, I084I, I0960, I2019, I208I, I2I53, I2597, I3649
gibberula Hasle 7534(o), 7536, 8990
lanceolata Hust. 7667, 9000, 9002
longissima Cl. et Grun. 74I5, 74I6, 7424, 7530-7532, 7950-7952*, 7954, 7955, 7957, 82II, 832I, 8387, 8598, 8763, 88I5, 8976(p), 8979, 898I(p), 8982, 8994, 8995, 8999, 9000, 9002, 9I24, 9220, 9604, 97II, 97I6, 972I, 9965, I00I3, I00I4, I00I7(o), I0092, I0749, I0757, I0886-I0892, II979, II980, I2004, I2I53, I22I6, I2399, I2489, I26I5, I3388, I3628*, I3629*, I3649
mediterranea Pav. 727I, 7956, I02I0, I0960, I2I52
- var. pacifica Cupp 7534(o), 7536, 8763, 922I, I02I0
nitzschioides Grun. 7952, I3645
vanhoeffenii Heid. 7534(o,p), 7536, 9704, I0II9
Thamniastrum Reinsch
cruciatum Reinsch I3056
Thaumatophycus Korde
sp. sp. 9823, 9833, I2754
furcatus Korde I2752
Thaumatoporella Pia
sp. sp. 9833
Thispina (Perty) Stein
sp. sp. I3695
Thoracomonas Korsch.
irregularis Korsch. I2776, I2784
Thorea Bory
ramosissima Bory I0944(o)
Thyrsoporella Gümbel
sp. sp. 9823
Thysanoplanta Vologd.
filamentosa Vologd. et Titor. 8I35(o,p)
Tichocarpus Rupr.
sp. sp. 805I, 8059, I340I-I3403
crinitus (Gmel.) Rupr. 76I2-76I4, 7636, 8054, 8060, 8070, 8073, 859I, 8592, 9I24, II384, I2064, I2604, I2606-I2609, I2664, I2902, I2903, I3633
Timanella Vologd.
gigas Vologd. 8I33(o,p)
Tolypella (A.Br.) A.Br.
sp. p. 7747, 99I9, 9922
aralica Golenkin 9I24, I2675, I2676, I3703
globosa Said. I2097
glomerata (Desv.) Leonh. 7I46
intricata (Roth) Leonh. I0583
lubimovae Said. I2097
nidifica (O.F.Müll.) A.Br. 9075, 9I24, 9420, I0546, I0548, I0549, II409(o), II4I2, I2675, I2676, I2797, I33I3, I3645, I3687
prolifera (Ziz ex A.Br.) Leonh. I0643-I0645, I23I8, I2797, I3308-I33I0, I3673
Tolypellopsis (Leonh.) Mig.
stelligera (Bauer) Mig. 7693, 8220, 83I0, 93I4, I0064, I23I8,

I2675, I2676, I3308-I33I0, I362I, I3630, I3673, I3674
Tolypothrix Kütz. ex Born. et Flah.
sp. sp. 7645, 8505, 8807, 96I7, 9748(o), 9755, II094, I209I, I2I94, I2329, I343I
byssoidea (Berk.) Kirchn. IIII7, I2I95, I2809
- f. minor IIII7
conglutinata Borzi IIII2, IIII3
distorta (Fl. Dan.) Kütz. 7348, 7350, 735I, 7353, 7354, 7367, 8448, 9260, 926I, 9263, 9670, 9689, 9694, 9749(o,p), 975I, 980I, I0026, II866, I2I95, I2329, I248I(o), I3590, I3642
- f. distorta (Kütz.) Kossinsk. 9932
- f. penicillata (Ag.) Kossinsk. 8309, 9749(o), 975I, I0026, I0956, I2809
elenkinii Hollerb. 84I6
fasciculata Gom. I0026
helicophila Lemm. 9263
hollerbachii Muzaf. I35I8
limbata Thur. 8460, 8463(p), 9260, 926I, 9263, 975I, I0026
pulvinata (Frémy) Geitl. I0956
rivularis Hansg. 9263
saviczii Kossinsk. 8307, 8308, I0026
tenuis Kütz. 7367, 7368, 7676, 7755, 7867, 830I, 8570, 8652, 8892, 9285, 9649, 9656, 9657, 9694, 9748(o), 9749(o), I0026, I0309, I07I5, I0736, I095I, I0952, IIII7, III35, III38, III90(o), II223, II262, II265, II3I5, II3I7, II3I8, II386-II392, II394, II479, II480, II524, II552-II554, II702, II703, II705-II709, II756, II886, I2093, I2094, I23I3, I280I, I2803-I2806, I2809, I3426, I3428, I3433, I3442, I3453, I3455, I35I8, I3544-I3546
- f. lanata (Wartm.) Kossinsk. 830I, 8307, 8308, 8593, 9749(o), I0026, I02I8, I0220, I363I, I3687
- f. terrestris Boye-Pet. IIII2, IIII3
Tomentula Korde
amorpha Korde 9833
interrupta Korde 9833
villosa Korde 9833
Torodinium Kof. et Sw.
sp. 7956
robustum Kof. et Sw. 9220
Trachelomonas Ehr.
sp. sp. 7082, 72I5, 7222, 7250, 7469, 7472, 7500, 7506, 7623, 7732, 7764, 8038, 8097, 8308, 8877, 89I6, 89I7, 89I9, 8939, 8940, 90I8, 9I49, 9220, 9257, 9324, 9340, 9748, 9749(o), 9752, 9944, 9959, I0006 I0008, I0044, I0II4, I022I, I0245, I0324, I0366, I0487, I0868, I0997, II077, III85, III98, II546, II583, II663(p), II720, II739, II88I, II899, II93I, I2I72, I2I78(p), I2323, I2327, I233I, I2333, I2336, I2344, I2347, I24I6, I2637, I2932, I2933, I3009, I30I0, I32I3, I3249, I3267, I327I-I3274, I3294, I3540, I3583, I3586, I3594-I3595, I3699, I37I5, I3736
abrupta Swir. 7309-73II, 7588, 800I, 8038, 9340, 9748(o), 980I, I0046, II670, II866, I2I76(o,p), I2I77
- var. abrupta I3274, I3294
- var. minor Defl. I3736

acanthostoma Stokes 73I0, 73I6, 7757, 800I, 9446, 980I, I0046, II866, I2I76(o,p), I2I77, I2480(o)
- var. europea Drez. I0046
allia Dreż. 7306, 7308, 73II, 9749(o,p), I0008, I0046, II866, I2I75, I2I76(o,p), I2I77
alisoviana Skv. 9446
amphora Swir. 8038
ampulliformis Roll 980I, I327I
armata (Ehr.) Stein 7309-73II, 8038, 980I, I0046, I0975, II670, II866, I2I75, I2I78(p), I2I79, I24I6, I3246, I3526, I3583, I3736
- var. armata III84, I2I76(o,p), I2I77, I2I78(p), I2480(o)
- var. echinata (da Cunha) Popova 945I, I2480(o)
- var. heterospina Swir. II670, I2I75, I2I76(o,p), I2I77, I24I6
- var. longispina Playf. I3736
- var. setosa Dreż. I2I76(o,p), I2I77
- var. steinii Lemm. 8038, 9749(o), II670, I2I76(o,p), I2I77, I2I78(p), I3736
asymmetrica Roll 7325, 800I, 9340, 980I, II930, I327I, I3274, I328I, I3294, I3530
bacillifera Playf. 7306, I2482
- f. minima Playf. 9749(o), I0220
- var. ovalis Playf. I3736
bernardinensis Visch. 9340, 980I, I2I76(o,p), I2I77
bituricensis var. lotharingia Poucq. II670, I2I76(o,p), I2I77
borodiniana Swir. 73I3, 73I6, 7325, II88I, I2480(o)
borodinii Swir. 800I, I2480(o), I3642
botanica Playf. 7307, 73II
bulla Stein 7307, 73I3, II866, I2I76(o,p), I2I77, I2480(o), I3009, I30I0
calva Conr. f. calva I2I73(o,p), I2I76(o,p), I2I77
- f. glabra Safon. I2I73(o,p), I2I75, I2I76(o,p), I2I77
caudata (Ehr.) Stein 800I, 8038, 8555, 9752, 980I, I0046, I0080, II670, II88I, II930, II935, I2020, I2I75
- var. aculeata Asaul 732I(o,p)
- var. annulata Swir. 8038, 980I, II670, I2I76, I2I77, I2480(o)
- var. caudata I2I76(o,p), I2I77, I2480(o), I3274
- var. hexangulata Prijm. II732(o,p)
cervicula Stokes 8038, I0046, II670, I2I75, I2480(o), I3666
- var. cervicula I2I76(o,p), I2I77
- var. heterocollis Swir. I2I75, I2I76(o,p), I2I77
cienkowskii Roll II866
cincta Safon. I2I73(o,p), I2I76(o,p), I2I77
cingeri Roll 73I3, I2I75, I2480(o)
- var. cingeri I2I76(o,p), I2I77
- var. obesa Safon. I2I76(o,p), I2I77
conica Playf. 7308, 73II, 73I6, 980I, II670, I2I76(o,p), I2I77
- var. ornata Asaul 732I(o,p)
cordata Roll 73I3
coronata Swir. 980I, II866
crebea Kell. 73I6, 980I, I0866
- var. cienkowskii (Roll) Popova I2480(o)
curta da Cunha 7307, 9298, 980I, II670, II866, I2I75, I3246
- f. crassatiifera Safon. I2I74(o,p), I2I76(o,p), I2I77
- var. curta I2I77

- f. curta I2I76(o,p)
- var. minor 980I
- f. papillatopunctata Safon. II670, I2I76(o,p), I2I77
cylindracea (Playf.) Popova 73II, I2480(o)
cylindrica Ehr. sec. Playf. 7306, 73I0, 73II, 73I6, 73I8, 7325, 800I, 8038, 9687, 980I, I0046, II670, II866, I2I75, I2480(o), I3736
- var. cylindrica I2I76(o,p), I2I77
- var. decollata Playf. II670, I2I75, I2I76(o,p), I2I77
dubia Swir. 7306, 7309-73II, 8038, 980I, II670, I2I75, I2I76(o,p), I2I77, I2480(o), I30I3
- var. lata Defl. 8038, I2323, I3246
- f. lata (Defl.) Popova II88I
dybowskii Dreż. 73II, 73I3, 7330, I0046, II670, I2I76(o,p),I2I77
echinata da Cunha 7303, 7304, 800I
eurystoma Stein 7307, 73II, I3009, I30I0, I328I, I3287
- var. eurystoma I3274
fluviatilis Lemm. I0905, II966
fominii Roll 800I
fusiformis Stokes I2I76(o,p), I2I77
globularis (Awer.) Lemm. 7309-73II, 7326, 8038, 980I, II866, I2480(o)
- f. collopraedita Hollerb. I2449, I327I
- var. globularis I327I, I3274
- var. punctata Skv. I2I76(o,p), I2I77
granulata Swir. 800I, 8038, 9292, 980I, II859, II866, I3246, I3249, I3250
- var. granulata I327I, I3274
- var. poltavica Swir. 8038, 8926, 980I
granulosa Playf. 7306, 7309-73II, 73I6, 7325, I0046, II866, I2I76(o,p), I2I77, I2327, I2933, I2947(o)
helvetica Lemm. 980I
- var. armata Skv. I2I76(o,p), I2I77
- var. helvetica I2I76(o,p), I2I77
heterospina Swir. 7308, 73II, I2480(o)
hexangulata Swir. 8038, 980I, I0I33(o,p), I2I75, I2480(o)
- var. hexangulata I2I77
- - f. hexangulata I2I76(o,p)
- f. lata Defl. I2I76(o,p), I2I77
- var. polonica (Koczw.) Popova II670, I2I76(o,p), I2I77
hispida (Perty) Stein 7183, 7306-73II, 73I3, 73I4, 73I6, 73I8, 7325-7327, 7330, 7589, 7702, 7757, 7992, 7993, 800I, 8038, 8098, 83I0, 8473, 8555, 8556, 8873, 8874, 89I4, 8924, 9252, 9289, 9293, 9749(o), 9755, 980I, 9959, I0042, I0046, I0048, I0079, I0080, I0I33, I0246, I0363, I0644, I0646, I0866, I0870, I0975, III90(o), II223, II670, II859, II866, II965, I2I22, I2I75, I2I78(p), I2323, I2324, I2327, I233I, I24I6, I2478, I2483, I2496, I27I0, I30I3, I30I4, I3I27, I3I29, I3202, I3246, I3249, I3287, I3522, I3526, I3583, I3736
- var. acuminata Defl. II670, I2I76(o,p), I2I77
- var. coronata Lemm. 73I0, 7325, 7330, 800I, 8038, 980I, II866, I2I76(o,p), I2I77, I2480(o), I3246, I3736
- var. crenulatocollis (Mask.) Lemm. 73I0, 73II, 73I6, 7325, 7330, 7332, 7702, 800I, 8038, 980I, I0046, I0220, II670,

II866, I2I76(o,p), I2I77, I2I78(p), I2327, I2480(o), I3246, I327I, I3274, I3736
- var. cylindrica Klebs 980I
- var. granulata Playf. 7325, 902I, 980I
- var. hispida I0I33, III84, I2I76(o,p), I2I77, I2I78, I2480(o), I2482, I327I, I3274
- var. macropunctata Skv. 7805
- var. punctata Lemm. 7325, 800I, 8038, 89I6, 980I, II670, I2I76(o,p), I2I77, I24I6, I2932, I3246
- var. spinulosa Skv. 7227, 7306, 800I, 8926, 9024, 980I, I0I33, I0220, I2482
- var. volicensis Dreż. 7306, 73I0, 73II, 73I4, 73I6, 7325, 7326, 7330, 7332, 9749(o), 980I, II866
horrida Palmer 73I0, 9242, 9748(o), I2323
incerta Lemm. 73I3, 980I
- var. incerta III84
- var. punctata Lemm. I327I
intermedia Dang. 7226, 7227, 7306, 7309-73II, 73I6, 73I8, 7325, 7330, 7332, 7588, 7757, 800I, 8038, 8555, 87I0, 89I6, 9242, 9340, 9687, 969I, 980I, I004I, I0046, I0I33, I0I92, I0220, I0244, I0644, I0866, I0975, II223, II670, II866, I2I22, I2I75, I2327, I24I6, I24I7, I2504, I2505, I2579, I2580, I2667(o,p), I2932, I2933, I30I3, I3246, I3249, I3250, I3279, I3280, I3287, I3537, I3583
- var. chachinae Skv. I0046, II670, I2I76(o,p), I2I77
- var. denticollis Prijm. II732(o,p)
- var. intermedia 7226, I2I76(o,p), I2I77, I327I, I3274, I3294
- var. papillata Skuja I0046
- var. papillatospinifera Safon. II670, I2I76(o,p), I2I77
- var. papillifera Popova II670, I2I70
- - f. papillatospinifera Safon. I2I76(o,p)
- - f. papillifera I2I76(o,p)
- var. spinifera Popova 8038
- f. umbilicophora Popova 800I, 9446
irregularis Swir. 7308, 980I, I0046
janczewskii Dreż. I0046
- var. minor Dreż. II670, I2I76(o,p), I2I77
jongkindii Middelh. I2I80
kelloggii Skv. I2I76(o,p), I2I77
klebsii Defl. 7702, I0046
komarovii Skv. 7308, 73II, 73I8, I2I74(o,p), I2I75, I2I76(o,p), I2I77
lacustris Dreż. 7306, 7309-73II, 73I6, 73I8, 7326, 7332, 800I, 8038, 89I6, 980I, I0046, I0I33, I0220, II670, II866, II88I, I2I75, I2I76(o,p), I2I77, I2480(o), I2932, I3202, I3246, I3294
- var. lacustris I0008, I2947
- var. ovalis Dreż. 800I
- var. subulata (Skv.) Popova 980I, I0046
lagenella Stein 8266
lefevrei Defl. 73II, 73I3, I3736
lemmermannii Wołosz. 73I0, 7325, 7992, 980I, I0046, II866, I2I75, I2I77, I3009, I30I0
- var. crenburgica (Swir.) Defl. I2I77
- var. lemmermannii I2I76(o,p)

- var. orenburgica (Swir.) Defl. 8038, I2I76(o,p)
- var. verrucosa (Skuja) Popova I2I76(o,p), I2I77
lismorensis Playf. 73II, 73I3
longicauda Swir. I0905, I3026
lotharingiae Poucq. 73II, 73I3
manginii Defl. 73II, 73I3, 980I, I0046, II670
- f. manginii I2I77, I2336, I2947(o)
- f. subpunctata Safon. I2I74(o,p), I2I75, I2I76(o,p), I2I77
mirabilis Swir. 7307, II866
- var. hystrix (Teil.) Popova II670, I2I75, I2I76(o,p), I2I77
- var. minor Woronich. I2480(o)
mucosa Swir. 7309
niklewskii Dreż. 73II, 73I3
- f. bourrellyi Huber-Pest. I0220, I2I74(o,p), I2I76, I2I77
nigra Swir. 73I0, 73I6, 800I, 8038, 980I, I0362, I0646, II866, II967, I2I22, I327I, I3526
oblonga Lemm. 7306, 7307, 7309-73II, 73I3, 73I4, 73I6, 73I8, 7325, 7326, 7330, 7332, 773I, 800I, 87I0, 8874, 9297, 9749(o), 980I, I0046, I02I8, I0364, II223, II670, II859, II866, II88I, II932, I2I22, I2I75, I2327, I30I3, I3I27, I3I29, I327I, I3352, I3526, I3736
- var. attenuata Playf. I2I76(o,p), I2I77
- var. australica Playf. I2I76(o,p), I2I77
- var. oblonga 9298, I0220, I2I76(o,p), I2I77
- var. pulcherrima (Playf.) Popova 7306, 7307, 73I0, 73II, 7326, 800I, 9298, 980I, II670, II866, I2I76(o,p), I2I77, I3246
- var. punctata Lemm. 7306, 7326, 8038, 980I, I0220, II670, I2I76(o,p), I2I77, I2932
- var. truncata Lemm. 73I0, II866, I2I76(o,p), I2I77
obovata Stockes 7307, 945I, 980I, II670, I2323
- var. klebsiana Defl. II670, I2I75, I2I76(o,p), I2I77
- f. klebsiana (Defl.) Popova I0220
- var. novae-zemliae (Schirsch.) Popova 9749(o,p), I0220, II670, I2I75, I.I76(o,p), I2I77
- var. obovata I2I76(o,p), I2I77
ornata (Swir.) Skv. 73I3, 7469, 8038, 980I, I0046, I2I76(o,p), I2I77, I2327, I2480(o), I2947(o), I30I3, I30I4, I3246, I3250
ovata Roll 7082, I0I90, II866
oxneri Asaul 732I(o,p)
patellifera Popova 8926, I0046, II670, I2I76(o,p), I2I77, I2I78(p), I2I79, I24I4
pavlovskoënsis (V.Poljansk.) Popova 73II, 7325, 7326, 7328, I0046, II670, I2I75, I2I76(o,p), I2I77, I2I78(p), I2I79
- f. ellipsoidea Popova 8926, I2480(o)
- f. pavlovskoënsis I2480(o)
perfilievii Roll 9749(o), 980I, I2932, I2947(o)
perforata Awer. II670, I2I76(o,p), I2I77, I30I0, I3747
peridiniformis Skv. 73II, 73I3, II86I
planctonica Swir. 7I03, 7309-73II, 73I6, 7330, 7628, 7757, 800I, 8038, 87I0, 8873, 8924, 9009, 9340, 9748(o), 9749(o,p), 980I, I0046, I0I05, I0646, I0690, II670(p), II866, II88I, II932, I2I75, I2I78(p), I2I79, I2324, I2327, I233I, I24I4, I24I6, I3202, I3287, I3736

- var. asiatica Skv. 980I
- var. longicollis Skv. 8038, 980I, I2480(o), I2482
- var. oblonga Dreż. 8038, 9748(o,p), 9749(o), 980I, I0046, II223, II670, II866, I2I75, I2I76(o,p), I2I77, I2480(o), I327I
- var. ornata Skv. 7628, 87I3, 980I
- var. planctonica I2I76(o,p), I2I77, I2480(o), I2482, I3274, I3294
- f. planctonica I30I3
playfairi Defl. 7309, 73II, 980I, II670, I2I76(o,p), I2I77, I2480(o), I2482
polessica Asaul 732I(o,p)
- var. apharyngata Asaul 732I(o,p)
poltavica (Swir.) Skv. 7332
polymorpha Skv. 73II, 73I3
pseudobulla Swir. 7307, 73I4, II670, I2I75, I3526
- var. bulloides Balech et Dastugue I2I74(o,p), I2I76, I2I77
- var. pseudobulla I2I76(o,p), I2I77
pseudocaudata Defl. II866, I2I76, I2I77, I2480(o)
pulchra Swir. 8038, 9749(o), 980I, I0046, II670, I2I75, I2I76(o,p), I2I77, I2I78(p)
punctata Playf. 8038
raciborskii Wołosz. 73I0
- var. incerta Dreż. 9749(o)
- var. minor Skv. 800I, I2323
- var. ornata Swir. II866
recticollis Defl. II670, I2I76(o,p), I2I77
reinhardii Swir. 8038, 980I, I2480(o)
robusta Swir. 980I, I0008
rostafinskii Dreż. 73II, 73I3
rotunda Swir. 800I, 8098, 902I, 9289, 980I, I0046, I02I8, I0220, II670(p), II866, I2I76(o,p), I2I77, I2327, I2480(o), I3009, I30I0, I3747
- var. collaris (Skv.) Popova 980I, II866
- var. rotunda I327I
rugulosa Stein 7308, 73II, 800I, 8873, I0046
saccata Lemm. 7325
scabra Playf. 73I3, 7327, 980I, I0046, I0220, I30I3, I3246, I3249
- var. borealis Safon. II670, I2I76(o,p), I2I77
selecta Defl. 7306, 73II, 73I3
setosa Zyk. I3373
silvatica Swir. 980I
similis Stokes 7306, 7309, 73I0, 73I8, 8038, 980I, I0046, II670, II866, II88I, I2I75, I2I78(p), I24I6, I3246
- var. major Swir. I2480(o)
- f. major Swir. I2I76(o,p), I2I77
- var. similis I2480(o)
- f. similis 7325, I2I76(o,p), I2I77
stokesiana Palmer 800I, 9446
- f. maendrina (Conr.) Popova 800I
stokesii Dreż. I2667(o)
subglobosa Skv. I0363
subverrucosa Defl. I327I, I3274
superba Swir. 7307, 7309-73II, 73I6, 9749(o,p), 980I, I0046,

II670, II866, I2I75, I2323, I24I6, I2480(o), I3736
- var. echinata (Roll) Popova 73I0, 73II, 7330, 800I, II670, II866, I2I75, I2I76(o,p), I2I77
- var. superba I2I76(o,p), I2I77
- var. swirenkiana Defl. 980I, I0046, II670, I2I75, I2I76(o,p), I2I77
sydneyensis Playf. 73I3, 7326, 800I, 8038, 9024, I0046, II670, I2I75, I2I76(o,p), I2I77
- var. grandicollis Defl. 8038, I2480(o)
taigicola Safon. II670
- f. subpunctata Safon. I2I76(o,p), I2I77
- f. taigicola I2I76(o,p), I2I77
teres Mask. 73I3
tschernovii Popova 9580, I2327, I3009, I30I0
urna Popova I2I76(o,p), I2I77
varians Defl. 7307, 7309, 73I0, 73I6, I3736
vas Defl. 7307, 73II, 980I
venusta Skuja 73II, 73I3
verrucosa Stokes 72I5, 7309-73II, 73I6, 73I8, 7325, 7757, 8038, 8859, 980I, I0046, II866, I2327, I2480(o), I3267, I3273, I328I, I3287
- var. granulosa (Playf.) Conr. I0220, I2I74(o,p), I2I76(o,p), I2I77
- var. minor Skv. 980I, II866
- var. spirogyra (Balech) Huber-Pest. I2I74(o,p), I2I76(o,p), I2I77
- var. verrucosa I0220, I2I76(o,p), I2I77, I2947(o), I327I, I3274, I3294
volvocina Ehr. 7082, 7I03, 7I05, 7I55, 7I83, 7227, 7303, 7304, 7306-73II, 73I3, 73I4, 73I6, 73I8, 7325-7327, 7330, 7469, 7470, 7589, 7593, 7626-7628, 7702, 773I, 7757, 7992-7994, 800I, 8038, 8I06, 8405, 8555, 87I5, 87I8, 8873, 8874, 8877, 8879, 89I4-89I7, 8924, 8927, 90I5, 90I9, 902I, 9024, 9I08, 9289, 9297, 9298, 9340, 9687, 9748(o), 9749(o), 9752, 9755, 980I, 9882, 99II, 99I2, 9959, I0046, I0048, I0079, I0080, I0I05, I0I32, I0I33, I0I85, I0I86, I0I93, I0I94, I02I8, I023I, I0244, I0363, I0644, I0646, I0690, I0869, I0870, I0875, I0975, IIII2, IIII3, III90(o), II223, II537, II670, II790, II859, II864, II866, II88I, II965, I2049, I2075, I2I22, I2I75, I2I78(p), I2I79, I2280, I2324, I2327, I2336, I2347, I24I4, I24I6, I2478, I2482, I2483, I2505, I2577-I2580, I2667(o), I2863, I2932, I2933, I2935, I2940, I3009, I30I3, I30I4, I3026, I3027, I3I27, I3I48, I3I56, I3I59, I3I97, I3202, I3246, I3249, I3250, I328I, I3287, I3497, I3537, I3583, I3695, I3699, I37I3, I3736, I3747
- var. cerviculata Lemm. 980I
- var. compessa Dreż. I3736
- var. derephora Conr. 7306, 73I0, 73II, 73I6, 7332, I0220, III90(o), II670, II866, I2I76(o,p), I2I77, I2I78(p), I3747
- var. papillata Lemm. 7327(o,p), 980I
- var. punctata Playf. 800I, I0008, I0220, I2I78(p), I2480(o), I2947(o)
- f. punctata (Roll) Popova 9749(o,p)
- var. subglobosa Lemm. 7307, 73I0, 73II, 73I4, 73I6, 73I8, 7325, 7326, 7330, 7332, 800I, 9749(o), 980I, I0I33, I0220, I0646, II670, II866, II967, I2I76(o,p), I2I77, I2480(o),

I2932, I2933, I2935, I2940, I30Io, I3246, I3249, I327I, I3274, I3736, I3747
- var. volvocina I0I33, I0220, I2I76(o,p), I2I77, I2I78(p), I2480(o), I327I, I3274
- - f. volvocina I2939
- f. volvocina I0008
volvocinopsis Swir. 7309, 7469, 800I, 8038, 87I0, 89I6, 9252, 9298, 980I, I0046, III90(o), II670, II932, II935, I2I75, I2I76(o,p), I2I77, I2I78(p), I2I79, I2323, I2327, I233I, I2932, I2933, I3537
- var. punctata (Roll) Popova 9749
- var. volvocinopsis 7462, I0008
volzii Lemm. 73II, 73I3
wermelii Skv. 7306, 73II, 73I3
wislouchii Skv. I2480(o)
woronichiniana Popova I0046, I0220, II670, I2I75, I2I76(o,p), I2I77
woycickii Koczw. 980I, I2327, I3009, I30I0, I3736, I3747
- var. pusilla Dreż. 7306, II866, I3246
zingeri var. obesa Safon. II670
zmiewika Swir. 9568, I3736
zuberi Koczw. 7307, 7328(o,p), 980I, I2I75, I2I76(o,p), I2I77, I2480(o)

Trachelostomum Freng.
sp. sp. 7829

Trachyminuscula
minuta Naum. I0674

Trachyneis Cl.
sp. sp. I2223
antarctica M.Perag. 9000
antillarum Cl. 97II
aspera (Ehr.) Cl. 7287, 749I, 7530, 753I, 8384, 8738, 898I(p), 9000, 9002, 9087(p), 9I95, 9204, 97II, 9972, I0I0I, I0384, II085, II424, II442, I3I60, I3I63, I3I64, I3495, I3706
- var. aspera I0I02, I0226, II083
- var. intermedia Grun. 7597, 8737, 8738, 9029, 972I, I0I02, I0468, I3I62, I3353

Trachysphenia Petit
australis Petit 898I(p)

Tranolithus Stover
gabalus Stover I0427(p), I0434
lobatulus Luljewa I0427(o,p), I0434
similis Luljewa I0427(o,p), I0434
variatus Caratini I0427(p), I0432-I0434

Trebouxia Puym.
sp. sp. 8584, 99I5
arborescens Puym. I2I95
arboricola Puym. IIII7, I2449

Tremalithus Kampt. ex Defl.
sp. sp. 8254, I0427(p), I29I8(p)
biforatus Orech. II257(o,p)
biperforatus Wall. I3297(o,p)
consuetus Luljewa I0427(o,p), I0433, I0434
corrugatus Orech. II257(o,p)
enodis Górka II257(o,p)

eopelagicus Braml. et Ried. I3297(o,p), I3474
heteroforatus Orech. II257(o,p)
hexaperforatus Orech. II257(o,p)
impressus Orech. II257(o,p)
infrequens Górka I0433
laevis Schamr. I0427(p), I0428, I0433, I3297(o,p)
monstrosus Orech. II257(o,p)
perfoliatus Orech. II257(o,p)
similis Górka I0427(p), I0433, I0434
triperforatus Orech. II257(o,p)
Trentepohlia Martius
sp. sp. 7I56, I0970, I2758, I28I0, I2875
aurea (L.) Martius 785I, I2449, I2657(o), I3657
gobii C.Meyer I0956, I2809, I28I0
jolithus (L.) Wallr. 728I, I2657(o), I35I4
odorata (Wigg.) Wittr. I0945(o)
piceana C.Meyer I0945(o), I28I0
rigidula (O.F.Müll.) Hariot I0945(o)
umbrina (Kütz.) Born. 785I, I07I5, I28I0, I3657
uncinata (Gobi) Hansg. I0I29, I0963
Trepomonas Duj.
agilis Duj. 8266
rotans Klebs 8266
Treubaria Bern.
sp. sp. 7I02, 7I04, 7303, 762I, 950I, I3026
crassispina G.Sm. I3736
euryacantha (Schmidle) Korsch. 980I, II866, I3246, I3270, I327I
planctonica (G.Sm.) Korsch. 7628, 800I, I0046, II967
triappendiculata Bern. 800I, 8038, 87I8, 980I, I0043(o,p), I0046, I0I32, I0220, I022I, I0646, III84, II866, II967, I2I22, I30I3, I3246, I3249, I328I, I3287, I3586
varia Tiffany et Ahlstr. 800I, 9289, II967
Tribonema Derb. et Sol.
sp. sp. 7I87, 7375, 7676, 7805, 796I, 7984, 8584, 9292, 9648, 9670, 999I, I0008, I0I04, I0III, I022I, I0280, I04I9, I0548, I0646, I0845, II480, II537, II670, II88I, I2I75, I30I0, I30I2, I30I3, I3I27, I3I29, I3I78, I3453, I3496, I358I, I3657
aequale Pasch. I0I26, I0I27, IIII7, II720
affine West 7992, 800I, 8778(o), I0008, I2575, I2577, I2579, I2580
ambiguum Skuja I0008, I0220
angustissimum Pasch. 9438, I0008, I2680
bombycinum Derb. et Sol. 8777, II866, II904
depauperatum (Wille) Woronich. 7507, 8700, 8960, 9568, 9932, 9938, I0292, I0866, II087, II45I, II452, II879, II88I, I22I7, I2/I0
- f. sevani Wlad. I074I
elegans Pasch. 7804, 975I, I0I27, I07I5, IIII7
gayanum Pasch. 8569, 8570, 858I, 8778(o), 9446
glaciale Kütz. I0I69
minus (Wille) Hazen 7225, 7376, 7507, 7750, 8038, 9024, 9448, 9476, 9749(o), I0008, I0077, I0080, I0I26, I0I27, I07I4, I07I5, I0963, IIII7, II7I9, II720, I2I95, I2575, I2577, I2579-I258I, I2638, I2809

monochloron Pasch. et Geitl. III84
obsoletum West II878
pyrenigerum Pasch. IIII7, I3009
pyrenoidosum Pasch. I30I0
subtilissimum Pasch. I0I27, I0218, I0220
tenerrimum Heering 8038
ulotrichoides Pasch. 7749, IIII7, I2449
viride Pasch. 8038, 8778(o), 9024, 9298, 9499, 9748(o), 9749(o,p), 9932, I0I27
vulgare Pasch. 7376, 7383, 8778(o), 9476, 9689, 9749(o), I0090, I0955, II076, IIII2, IIII3, III84, II866, I2356, I2357, I2359, I2449, I2482, I276I, I2762
Tribrachiatus Schamr.
orthostylus Braml. et Ried. 847I, 8472, I3297(o,p), I3298(p), I3300(p)
Triceratium Ehr.
sp. sp. 7287, 7597, 7824, 8II0, 8365, 8370, 8636, 8738, 8990, 9087, 97I3, 9874, 9965, I0379, I0380, I0904, I0980-I0982, II083, I2004, I2223, I253I, I2534, I3064, I3I60, I3I62, I3353, I3393
abyssorum Grun. 8364, II334
alatum Jousé 9952
anissimovae (Jousé) Streln. I2534
antediluviatum (Ehr.) Grun. 9220, 9720, I0I02, II537, I3I65
archangelskianum Witt 7824, 9952, II334
arcticum Bright. 898I, 9000, 9002, I00I7(o), II334, I3353
- var. arcticum 972I
- f. baleanum Ehr. II085
barbadense Grev. 8I49, 8364(p), 8365, 8370(p), 8990, 8994, I0978, I0982, I3369
basilica Brun II334, I3369
capitatum Grev. I3369
castellatum var. majus A.S. 8370
caudatum Witt 9952, II334
cellulosum Grev. 82I9, 8365, 8370, 9952(p), II334, I2534
chenevieri Meist. 8364, II334, I2039
cinnamomeum Grev. 8982, 8990, 8999, 9002, 97II, 97I3, I0976, I0978, I0982(p), I0983
- var. minus Grun. 7534(o), 7536, 97II
coelatum Jan. II085
condecorum Bright. 8I49, 8365, 8370, I04I4
- var. condecorum 8364(p)
- var. neogradense Grun. 8364
crenulatum Gr. et St. I3369
excavatum (Heib.) Streln. I2534
exornatum Grev. 7824, 7826, 8365, 8370, 845I, 9952(p), II334, I2536, I32I6, I3369, I3707
favus Ehr. 706I, 753I, 898I, 97II, I2I50
fenestratum Witt 82I8, 9952(p), II334, I2529, I2536, I3369, I3707
firthii Hanna et Brigger 8990
flos Ehr. 8364, 8365, 8370, II334, I2039, I2529, I2536
formosum Bright. 7530, 898I, 9I4I, 97II, I00I7(o)
- f. formosum 972I
- f. quadrangularis Grev. I00I7(o)

- f. quinquelobatum (Grev.) Hust. 9721(p), I0001I7(o)
heibergii Grun. 7824, 9952(p), II334
hertleinii Hanna II334
inconspicuum Grev. 8365, 8370, 8990
indefinitum (Jousé) Streln. I2534
jensenianum Grun. II334
kanayae Streln. I2529
kinkeri A.S. 8364, 9952(p), II334, I3369, I3707
kinkerianum Witt 9952
mirabile Jousé 7699, 7824, 9952(p), II334, I2039, I32I6, I3707
mucronatum A.S. I330I
notabile O.Korotk. 9872(o,p)
obesum Grev. 8368(o,p), 8370(p)
orbiculatum Schibcova 9952
planum Streln. 82I9
polycystinorum Pant. 8365, 9952, II334, I3369
praeturgidum Schibcova II334
reticulum Ehr. 753I, 898I
robertsianum Grev. 706I
rugosum Gr. et St. 8365, 8370
schulzii Jousé 7824, 82I9, 9952(p), II3II, II334, I2534, I2536, I3369
shadboltianum Grev. 7063
sparsimpunctatum Jousé 8365
spinosum (Ehr.) Bail. 9720, II696(o)
subcapitatum Grev. 8365, 8370(p), 9952, I037I, II3II
synicum Streln. I2529, I2532(o,p)
tabellarium var. areolatum Schibcova II334
triorbicum A.S. 8370
trisulcum Bail. I3707
uralense Streln. I2529, I2532(o,p)
ventriculosum A.S. 7824, 9952(p), II334, I2039, I32I6, I3369, I3707
weissii Grun. 7975, 82I8, 9952(p), II334, I2529, I3369

Trichodesmium Ehr. ex Gom.
sp. sp. I2669
erythraeum Ehr. I0II9, I3076
lacustre Kleb. 8457
thiebautii Gom. 9I4I, 922I, 9228, I089I

Trichodinium Eis. et Cook.
pellitum Eis. et Cook. 8048-8049(o)

Trigonopyxis Cook. et Eis.
ginella Cook. et Eis. 8048-8049(o,p)

Trinacria Heib.
sp. sp. 7287, 7824, 8365, I0904, II3II, I253I, I2534, I3I7I, I3358, I3707
anissimovae Jousé 7824, 82I9, 9952(p), I2529, I2536
aries A.S. 7824, 9952
coronata Witt 82I9, I2536
deciusi Hanna I2534
excavata Heib. 7824, 8364, 8365, 8370, 9000, 9952(p), I0939, II334, I2536, I3369, I3707
- f. tetragona A.S. II334, I3369
exsculpta (Heib.) Hust. 7826, 8355, 8364, 9952(p), I0939, II334, I2039, I3369, I3707

- f. pentagona Jousé II334
grunowii Witt 8365, 8370, 9952
heibergii Kitt. I3707
indefinita Jousé 7824, 82I9, 9952(p), II334, I2529, I2536, I3367
insipiens Witt 7824, 82I9, 9952, I3369
insolita Sheshuk. I3362
media Jousé 8370, 9952
pileolus Ehr. 7824, 9952(p), II3II, I2039, I3369, I3707
- var. josephina Grun. 8365, 9952(p), II334, I3369
- var. jutlandica Grun. II334
- var. media Grun. 8365, II334
- var. pileolus 8365, 8370, II334
regina Heib. 7824, 7826, 8364, 8370, 9952, II334, I2039, I3369, I3707
- var. obtusa Witt 7824, 9952
subcoronata Sheshuk. et Gles. 8365, 8370, I3364(o,p)
tessella Krotov 9952
ventricosa Gr. et St. 8365, 8370(p)

Triploceras Bail.
spinulosum I.Kiss. I3526

Triploporella Steinmann
sp. sp. 9823

Triposolenia Kof.
ambulatrix Kof. I2228
bicornis Kof. I2228
depressa Kof. I2I53, I2228
fatula Kof. I2228
intermedia Kof. et Skogsb. I2228
longicornis Kof. I2228
ramiciformis Kof. I2228
truncata Kof. I2223, I2228

Trochia
aciculifera (Lagerh.) Hansg. 7620

Trochiliscus Karpinsky
sp. sp. I03II
altaiensis Samoilova I2I48(o,p)
bulbiformis Karpinsky I2I46, I2I47
ingricus Karpinsky I2I46, I2I47
maslovii Samoilova II723(o,p)
oscolensis Samoilova I2I45(o,p)
sexcostatus Prinada I2I46, I2I47, I2I48(o,p)
surmilovae Pojarkov II723(o,p)

Trochiscia Kütz.
sp. sp. 7373, 9220, I2I53, I3655, I3736
aciculifera (Lagerh.) Hansg. 800I, 8700, 9749(o,p), 980I, II45I, II452, II537, I2I75, I2680
aspera (Reinsch) Hansg. 980I, I0968, II878, I3736
brachiolata (Moeb.) Lemm. 9220
centrota Schill. 9220
clevei Lemm. I27I0
dictyon (Jörg.) Lemm. I089I, I2892
granulata (Reinsch) Hansg. 72I5, 7222, 7754, 800I, 9433-9434, 980I, I0967, I0968, IIII7, II583, III584, II866, I2449, I3439, I3453
multispinosa (Moeb.) Lemm. I089I, I2I53, I27I0

pauscispinosa Cl. 9220
reticularis (Reinsch) Hansg. II720, I3666
spinosa (Reinsch) Hansg. 8700, II451
vanhoeffenii (Jörg.) Lemm. I2892
Trochosira Kitt.
ornata Kitt. 8370
spinosa Kitt. 8370, 9720, 972I, I3353(p), I3358, I3362, I3363(o,p)
Tropidoneis Cl.
sp. sp. 7536, 898I, 9I4I, 9703, 97I6, I089I, II083, I3649
antarctica (Grun.) Cl. 9000, 9002, 9598, 9703, 9705, I0890, I0892, I2I53
belgica Heid. 9703, 9704, 9705(p)
elegans W.Sm. 8738, 92I4, II57I
fusiformis Manguin 9703, 9704, 9705(p)
glacialis Heid. 9703, 9705(p)
lepidoptera (Greg.) Cl. 9220, 9649, II442, II537, I2597
- var. intermedia I.Kiss. 8034, 9649, 965I, II579, I35I7(o), I3524
- var. lepidoptera 9457, 9459
maxima var. dubia Cl. et Grun. I0083, II085, II442
Tschestnowia Pant.
sp. sp. I2534
Tubercularia Vologd.
latiuscula Vologd. 8II3(o,p)
Tubiphytes Masl.
sp. sp. 868I, II983, I3233
obscurus Masl. II560
Tubomorphophyton Korde
botomense Korde 9833
cristatum Korde 9833
nubilum Korde 9833
Tubophyllum Krasnop.
sp. sp. 8096, 9833
Tubophyton
victoris Krasnop. 9833
Tubulistroma Vologd.
sp. sp. 8I35(p)
curtunicum Vologd. et Titor. 8I35(o,p)
obliquedirectum Vologd. 8II2
scrofulosum Vologd. 8II2
Tubulophyllum Vologd.
asiaticum Vologd. 7788
Tubulophyton
sp. sp. I2077, I3700
Turbinaria Lamour.
sp. sp. I0492, I0908
conoides Kütz. 8056, 8057(o)
dentata Bart. 8056, 8057(o)
murrayana Bart. 8056, 8057(o)
ornata (Turn.) J.Ag. 8056, 8057(o)
Turnerella Schmitz
sp. sp. 8059, 8070, 9I69, II96I, I3403
mertensiana (Post. et Rupr.) Schnitz 7636, 8054, 9I58, II384, I2604, I2607

pennyi (Harv.) Schmitz 8054, 8055(o), 8065(o), I3708
septentrionalis (Kjellm.) Schmitz 9I24
Tussetia Pasch.
polytonoides Pasch. I2776, I2784
Tylochrysis Matv.
globosa Matv. 9580, 9749(o), II866
Udotea Lamour.
petiolata (Turra) Börg. I0058, I0I43
Ulothrix Kütz.
sp. sp. 7080, 7I56, 7I64, 7I73, 7I86, 7222, 7383, 7400, 7506, 76I0, 7676, 8266, 829I, 8324, 8326, 8430, 8452(p), 8860, 8960, 9I04, 9II8, 9I23, 9I24, 9I49, 9203, 9220, 9227, 9568, 9580, 9690, 9904, 999I, I0008, I0I29, I0276, I0280, I0282, I0307, I0372, I0563(o), I0644, I0690, II859, II866, II88I, II897, I2I27, I2338, I2346, I2383, I2563, I2653, I2673, I2937, I2939, I30I3, I30I4, I3023, I3269, I3274, I3488, I3499, I3508, I35I4, I35I9, I358I, I3747
aequalis Kütz. 7I85, I0I26, I0I27, I0956, III86, II730, II736, I35I2, I35I4, I3529
australis 7064
flacca (Dillw.) Thur. 7I6I, 7435, 7606, 8054, 8550, 8899, 8902, I0II0, II378, II379, II438(o), I2664, I3720
flaccida Kütz. IIII6
implexa (Kütz.) Kütz. 8899, 9245, 9420, 9756(o), I0222(o), II279, II570, II579, I2664
limnetica Lemm. 7049, 7050, 8450, 8777, 90I8(o), 902I, 958I, I0968, I2680, I35I7(o)
moniliformis Kütz. 9664, I0080, I35II
mucosa Thur. 9448, I0008, I0I53, I0956, I0973, I3522
oscillarina Kütz. 8778(o), III85
pseudoflacca Wille 7435, 7606, 7937(o), 7942, 8054, 8060, 8070, 8550, 8899, 8902, 9030(o), 9033(o,p), I0II0, II378, II42I, II572, I2664, I3633
subflaccida Wille II438(o)
subtilis Kütz. IIII7, I2776, I2784
- var. tenerrima f. antarctica Wille I0I69(p)
subtilissima Rabenh. 7225, 8778(o), 90I8(o), I07I5, I0975, IIII2, IIII3, IIII7, II866, I30I3
tenerrima Kütz. 7049, 7050, 7I8I, 7I84, 7I85, 7225, 7507, 7992, 800I, 8257, 8778(o), 90I9, 9448, 9580, 96I7, 9749(o), 975I, 9932, I0080, I0I27, I0I29, I0I53, I02I8, I0220, I0280, I0548, I07I5, I0956, I0968, I0970, IIII7, III84, II479, II480, II483, II720, II736, II878, I2I92, I2I95, I2560, I2652, I2809, I2877, I2938, I2939, I2945, I3373, I3453, I35II, I35I2, I35I4, I35I7(o), I35I9, I3522, I3524, I3529, I3656, I3657, I3666
tenuis Kütz. I0I29
tenuissima Kütz. 8700, I0I26, I0I27, I0248, III85, II730, II866, I2652
variabilis Kütz. 7I85, 7I87, 7225, 800I, 8634, 8778(o), 9289, 9298, 9580, 9932, I0080, I0I26, I02I8, I0220, I0327, I0548, I0646, I07I4, I07I5, I0956, I0964, I0965, I0967, I0968, IIII2, IIII3, IIII7, II478, II479, II483, II720, II878, I2637, I2638, I2809, I2938, I2945, I3373, I3482, I3506, I3508, I35I7(o), I35I9, I3657, I3666

zonata Kütz. 7185, 7295, 7296, 7383, 7507, 7547, 7548, 7626, 7989, 7993, 8001, 8184, 8187, 8266, 8304, 8309, 8700, 8777, 8778(o), 8809(p), 8859, 8917, 8942, 9048, 9051, 9261, 9263, 9297, 9568, 9580, 9664, 9670, 9684, 9688, 9689, 9748(o), 9749(o), 9932, 10080, 10087, 10126, 10127, 10129, 10148, 10151-10153, 10185-10187, 10190, 10191, 10218, 10220, 10241, 10242, 10247, 10248, 10255, 10280, 10548, 10549, 10877, 10918, 10951, 10955, 10956, 10975, 11094, 11213, 11214, 11451, 11452, 11455, 11688, 11866, 12049, 12095, 12121, 12122, 12154, 12247, 12329, 12341, 12368(p), 12420, 12522, 12637, 12645, 12650, 12652, 12680, 12710, 12906, 13497, 13500, 13506, 13508, 13511, 13514, 13517(o), 13520, 13522, 13529, 13583, 13656, 13679
- var. zonata 11184-11186

Ulva L.
sp. sp. 7156, 7911, 7967, 8059, 8527, 8533, 8860, 8863, 9413, 10224, 10372, 10409, 10806, 11219, 11385, 12564, 12664, 13029, 13688, 13720
fenestrata Post. et Rupr. 7636, 7948, 11384, 12664, 12751
lactuca L. 7118(p), 7161-7163, 7172, 7282, 7413, 7608, 7612, 7614, 7947, 7948, 8054, 8060, 8070, 8073, 8829, 8864, 8899, 8901, 8902, 9124, 9162(o), 9405, 9407, 9409, 9417, 10058, 10140, 10143, 10145, 10496, 11142, 11409(o), 11423, 11570, 11605-11606, 11626, 11627, 11629, 11630, 12589, 12590, 12593, 12607, 12664, 13035, 13151, 13640, 13645, 13750
- f. lactuca 7613
- var. rigida (Ag.) Le Jolis 10808
- f. rigida Le Jolis 7613, 8565, 8899, 10804, 11408, 11409(o), 11412, 11420, 11423
latissima L. 8054, 13633
pertusa Kjellm. 7786(o), 8051, 8054, 8590-8592, 9384, 12604, 12606-12609, 12664, 13633
rigida Ag. 7440-7443, 7445, 7446, 7474, 7948, 8054, 8901, 9147, 9148, 9266, 10055, 10059, 10421, 10422, 11343-11347, 11600-11602, 11605-11606, 11614, 12664, 13633

Ulvaria Rupr.
blytii (Wittr.) Vinogr. 7945(o,p)
fusca (Post. et Rupr.) Rupr. 7945(o,p), 8064, 8070, 12607
obscura (Kütz.) Gayral 7948
splendens Rupr. 7947, 7948

Umbella Masl.
sp. sp. 7268, 11722, 13233, 13237(p)
bashkirica E.Byk. 10572, 11723(o,p), 11909, 13236
- var. magna Pojarkov 11723(o,p)
bella Masl. 7269, 10572, 11722, 11723(o,p), 11909, 13235(o,p), 13236, 13237
borcoldoica Pojarkov 11723(o,p)
bykovae Reitl. 11909
- var. grandis Reitl. 11909
effusa Tchuv. 13235(o,p), 13236, 13237
elliptica Reitl. 11909(o,p)
famena E.Byk. 11722, 11909
globula Reitl. 11909(o,p)
grandis E.Byk. 11909, 13235(o,p), 13237
hemisphaerica Pojarkov 11723(o,p)

lageniformis Reitl. 11909(o,p)
- var. decurta 11909
mica Pojarkov 11723(o,p)
minima Pojarkov 11723(o,p)
nana Reitl. 11909
ollaria E.Byk. 11909, 13235(o,p), 13237
ornata E.Byk. 11909
patella E.Byk. 11909
polonica Ozonk. 11909
pugatchovensis E.Byk. 11909, 13235(o,p), 13237
radiata Konoplina 11909
rotunda E.Byk. 11722, 11909
saccamminiformis E.Byk. 11909, 13235(o,p), 13236, 13237
sanctacrucensis Ozonk. 11909
sumsariensis Pojarkov 11723(o,p)

Umbellula Korde
minuta Korde 9833

Umbilicosphaera Lohm.
mirabilis Lohm. 12921(p), 12922

Undaria Sur.
sp. sp. 7914, 8063, 10409, 10897, 13113
pinnatifida (Harv.) Sur. 7636, 13633

Ungdarella Masl.
sp. sp. 9389, 9823, 10295, 11772, 13233, 13236
conservata Korde 9823
stellata Korde 9826(o,p), 9827, 9828, 9831
uralica Masl. 9823, 13236

Unjaella Korde
sp. sp. 9833
ovata Korde 9389, 9823

Uragiella Pia
sp. sp. 9823, 13236

Uralella Korde
sp. sp. 9833

Uraloporella Korde
sp. sp. 9823, 9833
variabilis Korde 9389, 9823

Uranovia Korde
sp. sp. 9828, 9833
granosa Korde 9821(o,p)
multa Korde 9821(o,p)

Urceolus Mer.
sp. sp. 13010
cyclostomus (Stein) Mer. 7307, 7310, 7311, 7315(o,p), 7317, 10870
gobii Skv. 7311, 7313, 7315(o,p), 7317
pascheri Skv. 7310, 7311, 7315(o,p), 7317
sabulosus Sto

Uroglena Ehr.
sp. sp. 9670, 9674
glabra Matv. 8801, 10646
troitzkajae Korsch. 11881
volvox Ehr. 7992, 8038, 8301, 9801, 11864, 11866, 12175, 12324, 12327, 12710

Uroglenopsis Lemm.
sp. sp. 7245, 7246, 8308, 8353, 9674, 9677, 9679, 9687, II488, I3074
americana Lemm. 83I6, 83I7, 980I, I0080, I0455, I0456, II88I, I2I75, I2482, I363I
apiculata Reverd. I0220
Uronema Lagerh.
confervicolum Lagerh. 8038, II720, II866, I3666
Urospora Aresch.
sp. sp. 8063, I3633
penicilliformis (Roth) Aresch. 7I6I, 7435, 7942, 8054, 8060, 8070, 8550, 8897-8899, 890I, 8902, 903I, 9I2I, 9I54, 9I70(o), 9245, 94I7, I0II0, II378, II379, II384, II570, II573, I2664
sphaerulifera Setch. et Gardn. I3633
wormskioldii (Mert.) Rosenv. 76I3, 8054, 8065(o), II383(o)
Uva Masl.
sp. sp. 9823
suspecta Masl. 7I76(o,p)
Uvatodinium Vozzhen.
nasutum Vozzhen. 8048-8049(o,p)
Vacuolaria Cienk.
virescens Cienk. 7764, 96I7, I0646
Vallacerta Hanna
sp. sp. I3095
hortonii Hanna 7824, 82I8, 8362, 8990, 9952(p), I0946, I2529, I2534
simplex Jouré 9952
tumidula Gles. 8362
Valonia Ag.
sp. sp. I0058
Vaucheria DC
sp. sp. 7I8I, 7I84, 7I86, 7383, 7676, 8038, 830I, 8452(p), 8777, 8778, 8945, 9078, 9I49, 9202, 9289, 9292, 9425, 9664, 9694, 9807, 9959, I0008, I04I8, I0548, I0549, I0644, I0646, I0855, I0920, II077, III35, II720, I2049, I2095, I2368(p), I2673, I3008, I30I0, I30I2-I30I4, I3I37, I3273, I3307, I3503, I3504, I35I9, I3525, I3574, I3666
aversa Hass. 9088(p), I35II, I3526
coronata Nordst. I3645
debaryana Woronin I0I26, I0943(o,p), I0956, I35I7(o), I3526, I3670(o,p)
dichotoma Ag. 9I24, I0943(o,p), III80, I3499, I3507, I35II, I35I7(o)
geminata DC 8778(o), 9088(p), I0I27, I35I7(o)
- f. geminata I0I26
hamata Walz 9088(p), I07I5, II878
intermedia Nordst. I3645
ornithocephala Ag. 9202, I0943(o,p), I35II, I35I7, I3526
pachyderma Walz 8778(o), I0956
sessilis DC 8620, 8778(o), I0956, II720, I3008, I3526
- f. clavata Heering I0955, I0956, I35II
- f. genuina Hansg. 8778(o)
- f. repens Hansg. 8777
sphaerospora Nordst. 83II
- f. dioica Rosenv. 83II, I0080

terrestris Lyngb. 8324, 8326, 8778(o), I3657
thuretii Woronin 975I
uncinata Kütz. 8038, 8620, 8778(o), I0943(o,p), I35I7(o), I3526
woroniniana Heering I0943(o,p), I0955, I35I7(o), I3526
- f. quadripora Rieth I3670(o,p)
Vermiporella Stoll.
sp. sp. 8376, 8378, 868I, 9823, 9824, 9833, I3233
acerosa Gnilovskaja 8375(o,p), 8378, I3636(o,p)
borealis Hoeg 8378
diffluens Gnilovskaja 8375(o,p), 8378, I3636(o,p)
fragilis Stoll. I3636(o)
inconstans Hoeg 8376, I3636(o)
wesenbergensis Moskalenko 8375(o,p), 8376, 8378, I3636(o,p)
Vesicophyton Vologd. et Drosdova
punctatum Vologd. et Drosdova 8I29(o,p)
Vidalia Lamour. ex J.Ag.
volubilis (L.) J.Ag. I0056, I0058, I006I, I0I43, I0I46, II958
Villosoporella Gnilovskaja
sp. sp. 8376
Vologdinella Korde
sp. sp. 9828
fragilis Korde 982I(o,p), 9833, II698
grandis Korde 9833
Vologdinia Korde
verticillata Korde 9833
Volvox L.
sp. sp. 7506, 79I2(p), 8038, 8098, 830I, 83I8, 8452(p), 89II, 9I04, 9I08, 9I49, 9I5I, 9308, 9499, 950I, 9698, 9699, 9755, 988I, 9959, I0044, I0I04, I0I74, I024I, I0252, I0487, II073, III0I, IIIII, II2I0, II223, II329, II406, II67I, II672, II93I, I2I75, I233I, I2368(p), I24I6, I26I7, I2630, I27I0, I3074, I3II8, I3I42, I3537, I364I, I3699, I37I7, I3730, I3744
aureus Ehr. 7057, 7249, 7250, 7293, 7462, 7469, 7507, 7688, 7799, 8038, 8308, 8748, 89I3, 89I4, 8927, 8940, 90I8(o), 90I9, 9024, 9I50, 9252, 9257, 9289, 9580, 9648, 9674, 9687, 9724, 9748(o), 980I, 9932, 9938, I0008, I0II3, I0I53, I0I73, I0I78, I0I85, I0I86, I0I90, I05II, I0644, I0798, I0870, I0975, III28, II690, II790, II866, II932, I2I2I, I2320, I2324, I2327, I2336, I2477, I2478, I2482, I2550, I2579, I2580, I2932, I2933, I2939, I2940, I30I2, I30I3, I3I20, I3I98, I32I8, I3373, I3594-I3595, I3699, I3736
globator (L.) Ehr. 7057, 7400, 7469, 7500, 7507, 7732, 8038, 89I3, 89I4, 89I6-89I8, 8927, 8940, 8942, 90I8(o), 9I50, 9257, 9292, 9293, 9297, 9674, 980I, 9899, I0008, I0I07, I0I53, I03I7, I0798, I0876, II077, III28, II866, II932, I2568, I2645, I2650, I2870, I2932, I2939, I2940, I3008, I30I0, I30I2, I3026, I3I97, I3699
polychlamys Korsch. 8700, 9080, 9289, 9448, I0039, II866
tertius A.Meyer 9289, I0024, I2I75
Volvulina Playf.
steinii Playf. 800I
Westella De Wild.
sp. sp. 8807, I0364
botryoides (West) De Wild. 7470, 800I, 8555, 9053, 9749(o),

9801, 9911, 9912, 10080, 10082, 10220, 10280, 10362, 10363, 11739, 11794, 11866, 11966, 11967, 13056, 13177, 13178, 13216, 13250, 13287, 13294, 13352
Wetheredella
conchatiformis Mal. et Tchuv. 13236
tchussovensis Mal. et Tchuv. 13236
Wetzeliella Eis.
sp. sp. 13567(p)
articulata O.We. 8048-8049(o,p), 11155, 13211
clathrata Eis. 11155, 13211
coleothryta Will. et Down. 8538
irregularis Cook. et Eis. 13211
irtyschensis Alb. 8538
similis Eis. 13567(p)
symmetrica Weiler 11155, 13211
Wetzelodinium Defl.
tentaculatum (O.We.) Defl. 8048-8049(o,p)
Wollea Born. et Flah.
sp. sp. 10027
bharadwajae Singh 10031
Woloszynskia R.Thompson
coronata (Wołosz.) R.Thompson 8719, 9882
neglecta (Schilling) R.Thompson 8719
reticulata R.Thompson 8719, 9882
Woronichinia Elenk.
sp. sp. 7754, 10454, 11583
gracilis 8371
naegeliana (Ung.) Elenk. 7467, 7469, 7507, 8038, 8306, 8308, 8313, 8670, 8697, 8700(p), 8888, 8940, 9108, 9289, 9499, 9500, 9568, 9652, 9768, 9801, 9932, 9938, 10006, 10026, 10031, 10046, 10080, 10113, 10114, 10130-10132, 10133(o,p), 10218, 10220, 10455, 10798, 11451, 11452, 11454, 11455, 11457, 11730, 11731, 11734, 11735, 18864-11866, 11881, 12323, 12333, 12477, 12478, 12482, 12710, 12808, 13249, 13323, 13518, 13631
- f. lemmermannii Elenk. 12481(o)
- f. naegeliana 7462, 7470, 9135, 10008, 12481(o)
Xanthidium Ehr. ex Ralfs
sp. sp. 8038, 8318, 9104, 9108, 9971, 11673, 12175, 12236
aculeatum Ehr. 12479(o)
antilopaeum (Bréb.) Kütz. 7966, 8038, 8301, 8308, 9024, 9088, 9568, 9749(o,p), 9932, 10008, 10134(o,p), 10158, 10218, 10220, 10821, 10866, 11128, 11866, 11881, 12049, 12479(o), 12710, 13631(p)
- var. antilopaeum f. antilopaeum 10160, 11128
- - f. pseudoornatum Kossinsk. 10160
- var. dimazum Nordst. 9749(o), 10160, 13631
- var. groenlandicum Grönbl. 8308
- var. hebridarum W. et G.S.West 10160, 12175(o)
- var. laeve Schmidle 9749(o,p), 10160, 10162
- var. planum Roll 10160
- var. polymazum Nordst. 8038, 8700(p), 9749(o), 10160, 11128
- - f. pseudopolymazum Kossinsk. 9749(o)
- var. triquetrum Lund. 10160

aralense I.Kiss. 9662(o,p)
armatum (Bréb.) Rabenh. 10160, 10218, 10220, 12049, 12175(o,p), 12479(o)
concinnum Arch. 11866
cristatum Bréb. 9242, 11866, 12175(o,p), 12479(o)
- var. cristatum 10160
- var. delpontei Roy et Biss. 10160, 10162
- var. leiodermum (Roy et Biss.) Turn. 10160
- var. spinuliferum West 10160
- var. uncinatum Bréb. 9024, 10160
fasciculatum Ehr. 8301
- var. fasciculatum 10160
- var. oronense W. et G.S.West 10160
robinsonianum var. parvulum Skuja 10160
Xanthiopyxis Ehr.
sp. sp. 8370, 9720, 9721, 9901, 13353
acrolopha Forti 8365, 8370
biscoctiformis Forti 9952(p), 11334
diaphana Forti 9720, 9872(o,p), 9873, 9874, 13353, 13362, 13363
globosa Ehr. 8365, 9720, 10371
lacera Forti 9872(o,p), 9873, 9874
leguminiformis Jousé 9719, 9720, 13363
oblonga Ehr. 8364, 8365, 8370, 9719, 9720, 13363(o,p)
ornata Jousé 9720, 13363
umbonata Grev. 13362
Xenikoon Cook. et Eis.
australis Cook. et Eis. 8048-8049(o,p)
Xenococcus Thur.
chroococcoides Fritsch 13517(o), 13526
cladophorae (Tild.) Setch. 11442
elenkinii Pohreb. 8899
kerneri Hansg. 8035, 10028(o), 12680, 12710, 12800(o)
minimus Geitl. 10026, 11184, 13518
Xystotheca Hanna
hustedtii Hanna 8981(p), 10371
Yakutina Korde
sp. sp. 9833
Yendonia Kylin
commandorensis (Sinova) A.Zin. 9164(o,p)
Yentalia Vologd.
sp. sp. 9833
Zanardinia Nardo ex P. et H. Crouan
sp. sp. 9124
collaris (Ag.) Crouan 8899
prototypus Nardo 8901, 9411, 9418, 9420, 11408, 11409(o), 11410-11412, 11415-11417, 11420, 11423
Zanardinula De Toni
cornea (Okam.) Daws. 8054
Zonotrichites Bornem.
sp. sp. 9833
Zygnema Ag.
sp. sp. 7040, 7041, 7156, 7251, 7295, 7296, 7366, 7376, 7400, 7506, 7507, 7560, 7628, 7676, 7845, 7926, 7929, 8038, 8301, 8452(p), 8700, 8777, 8890, 9018, 9020, 9022, 9024, 9051,

9108, 9202, 9203, 9226, 9274, 9289, 9490, 9491, 9499, 9500, 9643, 9648, 9664, 9689, 9748(o), 9749, 9932, 9944, 9945, 9971, 10008, 10126, 10127, 10148, 10149, 10154, 10236, 10241, 10242, 10255, 10425, 10546, 10644, 10715, 10854, 10918, 10920, 11128, 11214, 11583, 11931, 11932, 11935, 12094, 12155, 12175, 12247, 12318, 12579, 12580, 12646, 12652, 12667, 12680, 12710, 13008, 13197, 13488, 13522, 13631, 13673, 13687, 13699, 13704, 13736

bohemicum Czurda 9939(o,p)
cruciatum (Vauch.) Ag. 8914, 9024, 10975
ericetorum (Kütz.) Hansg. 8170(o,p), 12049, 12050
insigne (Hass.) Kütz. 8016, 10149, 10956
leiospermum De Bary 8016, 10149, 10956, 12175(o,p), 12195
mucigenum Randh. 12121, 12123
pectinatum (Ag.) Czurda 10956, 10975
ralfsii (Hass.) De Bary 10276, 10280, 10956, 10975, 12710
stellinum (Vauch.) Ag. 8107(o,p), 9884, 9935, 11933
synadelphus Skuja 8170(o,p), 11190(o,p)
vaginatum Klebs 8107(o), 9884, 10149, 10975, 13517

Zygnemopsis (Skuja) Transeau
globosa Randh. 10951, 11190(o)
lamellata Randh. 12121, 12123
quadrata Jao 10951, 11190(o)

Zygodiscus Braml. et Sull.
sp. sp. 13473
acanthus Reinh. 13466, 13471(o,p)
elegans Luljewa 10430(o,p)
parvus Luljewa 10430(o,p)

Zygolithus Kampt. ex Defl.
sp. sp. 7825(p), 8539, 12918(p)
bifidus Luljewa 10427(o,p), 10433, 10434
biramiculatus Stover 10434
bussonii Noël 13466, 13471(o,p)
chelmiensis Górka 10428, 10433
chiastus Braml. et Sull. 10434
citimus Luljewa 10434(o,p)
contrarius Luljewa 10427(o,p), 10433
cuneatus Luljewa 10427(o,p), 10433, 10434
diplogrammus Defl. 10427(p), 10430, 10432-10434, 10468(p), 13471(o,p)
dubius Defl. 8149, 8538, 13472
egregius Schumenko 13470(o,p)
erectus Defl. 10434
expressus Luljewa 10434(o,p)
extenuatus Veksch. 7824
fibuliformis Reinh. 13472
fibulus Lec.-Schl. 10428, 10430, 10433
geometricus Górka 10433
initialis Górka 10433
ponticulus Defl. 10434
quadridens Schumenko 13470(o,p)
tenuis Luljewa 10427(o,p)
transformis Górka 10433

variradiatus Stover 10427(p)

Zygrhablithus Defl.
sp. sp. 13473
amphipons Braml. et Mart. 10427(p), 10428, 10430, 10433, 10434
inconditus Luljewa 10427(o,p), 10433, 10434
octoradiatus Górka 10427(p), 10428, 10430, 10434
turriseiffelii Defl. 10428

Алфавитный список родов

Abacella 9
Acanthina 9
Acanthodiscus 9
Acanthoica 9
Acanthopeltis 9
Acanthosphaera 9
Acetabularia 9
Achnanthes 9
Achrodina I3
Acicularia I3
Acinetospora I3
Aclistochara I3
Acrochaete I3
Acrochaetium I3
Acrochasma I3
Acrosiphonia I3
Acrothrix I4
Actidesmium I4
Actinastrum I4
Actinella I4
Actiniscus D5
Actinochloris I5
Actinocyclus I5
Actinodictyon I6
Actinophycus I6
Actinoptychus I6
Actinotaenium I6
Actinotheca I7
Actinotrichia I7
Aegagropila I7
Aeniqmolithus I7
Aeodes I7
Aeolisaccus I7
Agarum I7
Aglaozonia I7
Ahnfeltia I7
Ajakmalajasoria I8
Alaria I8
Aldanella I8
Altochara I8
Amblyochara I8
Amgaella I8
Amganella I8
Amgina I8
Amicus I8
Amorphonostoc I8
Amphidiadema I9
Amphidiniopsis I9
Amphidinium I9
Amphidoma 20
Amphikrikos 20
Amphipleura 20
Amphiprora 20
Amphiroa 20
Amphisolenia 2I
Amphora 2I
Amplectostroma 24
Anabaena 24
Anabaenopsis 3I
Anacystis 3I
Anaulus 32
Angarolaminariopsis 32
Angulocellularia 32
Angulopyxidium 32
Angusticellularia 32
Anisonema 32
Ankistrodesmus 32
Anomalochara 35
Anomoeoneis 35
Anorthoneis 35
Anthomorpha 35
Anthophysa 35
Antithamnion 35
Antracoporella 36
Antracoporellopsis 36
Aphanizomenon 36

Aphanocapsa 37
Aphanochaete 38
Aphanothece 38
Aphroporella 39
Apidium 39
Apiococcus 39
Apiocystis 39
Apoglossum 39
Aptea 39
Apteodinium 39
Arachnochloris 39
Arachnoidiscus 39
Archaeolithothamnion 39
Archaeomonadopsis 39
Archaeomonas 39
Arkhangelskiella 40
Arthrochaete 40
Arthrodesmus 40
Arthrospira 40
Arthrothamnus 40
Ascocyclus 40
Ascodinium 40
Ascoglena 40
Ascophyllum 40
Ascoseira 40
Aseptalia 40
Asparagopsis 4I
Asperococcus 4I
Astasia 4I
Asterionella 4I
Asterococcus 42
Asterocytis 42
Asterolampra 43
Asteromonas 43
Asteromphalus 43
Asterosphaera 43
Atopochara 43
Atractyliopsis 44
Attheya 44
Audouinella 44
Auerbachichara 44
Aulacodiscus 44
Aulakochloris 45
Auliscus 45
Auloclira 45
Auricula 45
Aurosphaera 45
Australiella 45
Azyrtalia 45

Bacillaria 45
Bacteriastrum 45
Bacterosira 46
Ballia 46
Bambusina 46
Bangia 46
Batinevia 46
Batrachospermum 46
Bellerochea 46
Belodinium 46
Belostschelskia 46
Beresella 47
Bevocastria 47
Biantholithus 47
Bicarinellum 47
Bicoeca 47
Bicosoeca 47
Bicuspidellopsis 47
Biddulphia 47
Biechelerella 48
Bifurcaria 48
Bija 48
Binuclearia 48
Biscutum 48
Blastophysa 48
Blepharocysta 48
Blidingia 48
Bodo 49
Bogutschania 49
Bogutschanophycus 49
Bohlinia 49
Bolbocoleon 49
Borodinella 49
Borzia 49
Bostrychia 49
Botomaella 49
Botominella 49
Botrydiopsis 49
Botrydium 49
Botryocarpa 50
Botryochloris 50
Botryococcus 50
Botryosphaera 50
Braarudosphaera 50
Brachiatus 50
Brachiomonas 50
Branchioglossum 50
Brebissonia 50
Brevichara 50
Brightwellia 50
Broomea 50
Bruniopsis 50
Bryopsis 5I
Bulbochaete 5I
Bumilleria 5I
Bumilleriopsis 5I
Burchunella 5I
Bursiphycus 5I

Calcicarpinum 5I
Calcidiscus 5I
Calcifolium 5I
Calcigonellum 52
Calciodinellum 52

Calciogranellum 52
Calciosolenia 52
Calcipterellum 52
Calcisphaerellum 52
Calliarthron 52
Callithamnion 52
Callophyllis 52
Caloglossa 52
Caloneis 52
Calothrix 54
Galyptrosphaera 55
Cambrina 56
Cambroporella 56
Camptylonema 56
Campylaephora 56
Campylodiscus 56
Canningia 57
Canningiopsis 57
Cannopilus 57
Cantulodinium 57
Capsosiphon 57
Carpodinium 57
Carpomitra 57
Carpopeltis 57
Carpophyllum 57
Carteria 57
Catena 58
Catenella 58
Cateniphycus 58
Caulerpa 58
Cayeuxia 58
Cenchridium 58
Centritractus 58
Centroceras 58
Centrodinium 58
Centronella 58
Ceramium 58
Cerasterias 59
Cerataulina 59
Cerataulus 59
Ceratiopsis 59
Ceratium 59
Ceratocolax 64
Ceratocorys 64
Ceratocystidiopsis 64
Ceratolithus 64
Ceratoneis 64
Cercobodo 65
Cercomonas 65
Cerodinium 65
Cestodiscus 65
Chabakovia 65
Chabakovimorpha 65
Chaetangium 65
Chaetoceros 65
Chaetochloris 71
Chaetocladiella 71
Chaetocladus 71
Chaetomorpha 71
Chaetonema 71
Chaetopeltis 71
Chaetophora 71
Chaetopteris 71
Chamaesiphon 71
Champia 72
Chantransia 72
Chara 72
Characidiopsis 75
Characiochloris 75
Characiopsis 75
Characium 75
Charaxis 76
Charcotia 76
Chariella 76
Charites 76
Chilomonas 76
Chiphragmalithus 76
Chlamydoblepharis 76
Chlamydomonas 76
Chlorangiogloea 78
Chlorangiopsis 79
Chlorangium 79
Chlorella 79
Chlorellidium 83
Chloridella 83
Chlorobotrys 83
Chlorochytrium 83
Chlorocloster 83
Chlorococcum 83
Chlorogloea 84
Chlorogonium 84
Chloromonas 84
Chloropedia 84
Chlorophysema 84
Chloroplana 84
Chlorosarcina 84
Chlorosarcinopsis 85
Chlorosphaera 85
Chodatella 85
Chodatellopsis 85
Chondria 85
Chondrus 85
Chorda 85
Chordaria 86
Choreocolax 86
Chovanella 86
Chromochloris 86
Chromulina 86
Chroococcus 86
Chroomonas 86
Chrysamoeba 86
Chrysapsis 86
Chrysochromulina 86
Chrysococcus 86

Chrysopyxis 87
Chrysosphaerella 87
Chrysothallus 87
Chrysymenia 87
Chylocladia 87
Chytridiochloris 87
Cirrifera 87
Cirrulicarpus 87
Citharistes 87
Cladiscothallus 87
Cladochaete 87
Cladodonta 87
Cladogramma 87
Cladophora 89
Cladopyxis 89
Cladosiphon 89
Cladostephus 90
Clastidium 90
Clathrocystis 90
Clathrolithus 90
Clathromorphum 90
Clavaphysoporella 90
Clavator 90
Clavicula 90
Climacodium 90
Clinorhabdus 90
Closterium 95
Clypeator 95
Clypeina 95
Coactilum 95
Coccolithites 95
Coccolithophora 95
Coccolithus 96
Coccomyxa 96
Cocconeis 99
Coccopedia 99
Coccophora 99
Cochlodinium 99
Codiolum 99
Codium 99
Codonia 99
Coelastrella 99
Coelastrum 101
Coelenteratella 101
Coelocladia 101
Coelosphaeridium 101
Coelosphaerium 102
Coenochloris 102
Coenococcus 102
Coenocystis 102
Coenolamellus 102
Coilodesme 102
Colacium 102
Coleochaete 103
Colpomenia 103
Cometodinium 103
Compositus 103
Compsonema 103
Compsopogon 103
Conferva 103
Conradiella 103
Consinocodium 103
Constantinea 103
Copromonas 103
Corallina 104
Corbisema 104
Corbularia 104
Corethron 104
Cornua 104
Cornutula 104
Corollithion 104
Corona 104
Corycium 104
Corynophlaea 104
Coscinodiscus 110
Coscinosira 110
Cosmarium 118
Cosmiodiscus 118
Cosmocladium 118
Costaria 118
Costularia 118
Craspedodiscus 118
Crassiradiatus 118
Cretarhabdus 118
Cribroperidinium 118
Cribrosphaera 119
Cribrosphaerella 119
Cribrosus 119
Croftiella 119
Crossocarpus 119
Crouania 119
Crucigenia 120
Cruoria 120
Cruoriella 120
Cruoriopsis 120
Cryptarchaeodinium 120
Cryptochrysis 120
Cryptoglena 120
Cryptomonas 120
Cuneatochara 121
Cuneatus 121
Curdiea 121
Cutleria 121
Cyanarcus 121
Cyanoderma 121
Cyanodictyon 121
Cyanotheca 121
Cyanothrix 121
Cyathomonas 122
Cyclidiopsis 122
Cyclococcolithus 122
Cyclocrinus 122
Cyclolithus 122
Cyclonexis 122

Cycloplacolithus I22
Cyclotella I22
Cyclularia I25
Cylindralithus I25
Cylindrocapsa I25
Cylindrocystis I25
Cylindrospermum I25
Cylindrotheca I26
Cymathaere I26
Cymatiosphaera I26
Cymatopleura I26
Cymatosira I27
Cymbella I28
Cymbellonitzschia I33
Cymbomonas I33
Cymopolia I33
Cystoclonium I33
Cystococcus I34
Cystodiniopsis I34
Cystodinium I34
Cystophyllum I34
Cystoseira I34
Czinlinella I35

Dactyliosolen I35
Dactylococcopsis I35
Danasphaera I35
Dapcodinium I35
Dasya I35
Dasyopsis I35
Dasyporella I36
Deflandrea I36
Deflandrius I36
Delamarea I36
Delesseria I36
Dendractis I36
Denticula I36
Derbesia I37
Derepyxis I37
Dermatolithon I37
Dermocarpa I37
Desmarestia I37
Desmatractum I37
Desmidium I37
Desmogonium I38
Desmotrichum I38
Detonula I38
Diacanthos I38
Diatoma I38
Diatomella I40
Dicellula I40
Dichotomosiphon I40
Dicladia I40
Diconodinium I40
Dictyocha I40
Dictyochloris I42
Dictyococcus I42

Dictyolithus I42
Dictyoneis I42
Dictyophycus I42
Dictyopteris I42
Dictyopyxis I42
Dictyosiphon I42
Dictyosphaeriopsis I42
Dictyosphaerium I42
Dictyota I43
Didymococcus I44
Didymocystis I44
Didymogenes I44
Didymosphenia I44
Dikimdinella I44
Dilophus I44
Dilsea I44
Dimerogramma I45
Dimorphococcus I45
Dimorphosiphon I45
Dimorphostroma I45
Dingodinium I45
Dinobryon I45
Dinophysis I47
Dinopteringium I47
Diplofusa I47
Diploneis I47
Diplopora I50
Diplosalis I50
Diplotesta I50
Disciferium I51
Discoaster I51
Discolithina I51
Discolithus I51
Discorhabdus I51
Discosphaera I52
Dispora I52
Disporopsis I52
Distephanus I52
Distigma I52
Ditylum I52
Docidium I53
Donezella I53
Donkinia I53
Dracodinium I53
Draparnaldia I53
Draparnaldiella I53
Draparnaldiopsis I53
Dumontia I53
Dunaliella I53
Durvillea I54
Dvinella I54
Dysmorphococcus I54
Dzhulfanella I54

Echaninia I54
Ecklonia I54
Eckloniopsis I54

Ectocarpus I54
Ectochaete I54
Edelsteinia I54
Eisenackia I54
Eisenia I55
Elachista I55
Elakatothrix I55
Elenia I55
Ellipsoidion I55
Ellipsoplacolithus I55
Ellobiopsis I55
Emergosphaeria I55
Emslandia I55
Endictya I55
Endoceratium I55
Endoderma I55
Endoina I55
Endonema I55
Endoscrinium I55
Endosphaera I55
Enelittosiphonia I55
Enteromorpha I55
Entocladia I57
Entogonia I57
Entonema I57
Entophysalis I57
Entophysalites I57
Entopyla I57
Entosiphon I57
Eodinia I57
Eodonezella I57
Eogoniolina I57
Eopseudoceratium I58
Ephippium I58
Epichrysis I58
Epicladia I58
Epimastopora I58
Epiperidinium I58
Epiphyton I58
Epiphytonoides I60
Epithelion I60
Epithemia I60
Epymenia I62
Erbina I62
Eremosphaera I62
Erythrocladia I62
Erythrotrichia I62
Ethmodiscus I62
Ethmorhabdus I62
Euastropsis I63
Euastrum I63
Eucampia I63
Eucapsis I64
Eucheuma I64
Eucocconeis I65
Eudesme I65
Eudorina I65

Euglena I65
Euglenopsis I69
Eunotia I69
Eunotogramma I73
Eupodiscus I73
Euthora I73
Eutreptia I74
Exuviella I74

Falcula I74
Farlowia I74
Feldmannia I74
Fenestrella I74
Fernandinella I74
Filaria I74
Fischerella I75
Fistulella I75
Flabellochara I75
Foliaceria I75
Foliolithus I75
Fortiella I75
Fragilaria I75
Fragilariopsis I80
Franceia I80
Frustulia I80
Fucus I81
Furcellaria I82
Furcilla I82
Fusola I82

Galaxaura I82
Gardodinium I82
Garwoodia I82
Gastanidium I82
Gayella I82
Gayralia I82
Gelidiella I82
Gelidiopsis I82
Gelidium I82
Gemellicystis I83
Geminella I83
Geminocarpus I83
Gemmiphora I83
Genicularia I83
Gephyrocarpus I83
Giffordia I83
Gigartina I83
Ginginodinium I83
Giraudia I83
Girvanella I83
Gladius I83
Glaucocystis I84
Glaucolithus I84
Glaucosphaera I84
Glebosites I84
Glenodiniopsis I84
Glenodinium I84

Globochaete I85
Globulocella I85
Gloeoactinium I85
Gloeobotrys I85
Gloeocapsa I85
Gloeocapsomorpha I87
Gloeochloris I87
Gloeococcus I87
Gloeocystis I87
Gloeodendron I87
Gloeodinium I88
Gloeophyllum I88
Gloeotaenium I88
Gloeothece I88
Gloeotila I88
Gloeotrichia I88
Gloiopeltis I88
Gloiosiphonia I89
Gloxidium I89
Glyphodesmis I89
Glyphodiscus I89
Gobia I89
Goksuella I89
Golenkinia I89
Golenkiniopsis I89
Gomontia I89
Gomontiella I89
Gomphocymbella I89
Gomphonema I89
Gomphonitzschia I94
Gomphopleura I94
Gomphosphaeria I94
Gonamophyton I95
Gonatozygon I95
Gongrosira I95
Goniochloris I96
Goniodoma I96
Goniolinites I96
Goniolithus I96
Goniothecium I96
Goniotrichum I96
Gonium I96
Gonyaulax I96
Gonyostomum I97
Gordonophyton I97
Gorlovella I97
Gossleriella I97
Gracilaria I97
Gracilariopsis I97
Grambastichara I97
Grammatophora I98
Granorhabdus I98
Grateloupia I99
Grenularia I99
Griffithsia I99
Grovesichara I99
Grunowiella I99
Guinardia I99
Guttoporella I99
Gymnaster I99
Gymnastica I99
Gymnocodium I99
Gymnodinium I99
Gymnogongrus 201
Gymnozyga 201
Gyrodinium 201
Gyrodiscus 201
Gyropaigne 201
Gyroporella 202
Gyrosigma 202

Haematococcus 203
Halidrys 203
Halimeda 203
Halopappus 204
Halopteris 204
Halosacciocolax 204
Halosaccion 204
Halosiphon 204
Halosphaera 204
Halothrix 204
Halymenia 204
Hammatoidea 204
Hantzschia 204
Hapalosiphon 205
Haplospora 205
Hapterophycus 205
Harrisichara 205
Harveyella 205
Hecatonema 205
Hedstroemia 205
Heleochloris 205
Heleococcus 205
Heliosphaera 205
Heliodinium 206
Heliodiscoaster 206
Helladosphaera 206
Hemiaulus 206
Hemidinium 207
Hemidiscus 207
Heterocapsa 207
Heterochordaria 207
Heterococcus 207
Heterodendron 207
Heteroderma 207
Heterodinium 208
Heteromastix 208
Heteronema 208
Heteropedia 208
Heterosaundersella 208
Heterosiphonia 208
Heterothrix 208
Hexagonifera 208
Hexasterias 208

Heyneckia 208
Hikorocodium 208
Hildenbrandtia 208
Hillea 208
Histioneis 209
Hizikia 209
Hofmania 209
Holmesia 209
Holopedia 209
Holorhynchus 209
Homoeostroma 209
Homoeothrix 209
Homomorphus 209
Hormidiopsis 209
Hormidium 210
Hormophysa 210
Hormosira 210
Hormospora 210
Hornichara 210
Horniella 210
Horodiscus 210
Huttoniella 210
Hyalobryon 210
Hyalodiscus 210
Hyaloraphidium 211
Hyalosiphonia 211
Hyalotheca 211
Hydrianum 211
Hydrocoleus 211
Hydrocoryne 211
Hydrodictyon 211
Hydrurus 212
Hyella 212
Hymenena 212
Hypnea 212
Hypnodinium 212
Hypnomonas 212
Hypoglossum 212
Hypophyllum 212
Hystrichodinium 212

Ilea 212
Indumentalithus 212
Interpositus 212
Irekiokonia 212
Iridaea 212
Iridophycus 213
Ischadites 213
Isochrysis 213
Isocystis 213
Isoinella 213
Isthmia 213
Isthmochloron 213
Isthmolithus 213
Isthmoplea 213
Ivanovia 213
Izhella 213

Jacutiella 213
Janczewskia 213
Jania 213
Jatuliana 213
Jenisseiphyton 213
Johannesbaptistia 213
Johnsonia 214
Jonssonia 214
Jousea 214
Juresanella 214
Jusella 214

Kadvoya 214
Kallymenia (=Callymenia) . . 214
Kamaena 214
Kamptnerius 214
Kareliana 214
Karpinskya 214
Katagnymene 214
Katangasia 214
Katavella 214
Katodinium 214
Kazakhstanelia 214
Keega 214
Kenella 214
Kentrodiscus 214
Kentrosphaera 215
Kephyrion 215
Kephyriopsis 215
Keratococcus 215
Keratophora 215
Kidstoniella 215
Kirchneriella 216
Kisseleyia 216
Kisseleyiella 216
Kittonia 216
Kjellmania 216
Kjellmaniella 216
Kofoidinium 216
Koivinella 216
Komia 216
Koninckopora 216
Kopetdagaria 216
Kordephycus 216
Kordephyton 216
Kornmannia 217
Korojonia 217
Kosmogyra 217
Kouvophyton 217
Kulikia 217
Kundatia 217
Kylinia 217
Kyzassia 217

Lagenoeca 217
Lagerheimia 217
Lagynion 218

Laingia 218
Lambertia 218
Lambia 218
Laminaria 220
Laminariocolax 220
Lamprothamnium 220
Lamprothamnus 220
Lancicula 220
Langiella 220
Latochara 220
Lauderia 220
Laurencia 220
Laurenciocolax 221
Lauterbornia 221
Lauterborniella 221
Leathesia 221
Leiostroma 221
Lejeunia 221
Lemanea 221
Lemmermannia 221
Lenaella 221
Lepidodiscus 221
Lepochromulina 221
Lepocinclis 221
Leptobasis 222
Leptochaete 222
Leptocylindrus 222
Leptodinium 223
Leptonema 223
Leptosarca 223
Leptosira 223
Lessonia 223
Letterstedtia 223
Licmophora 223
Ligolithus 223
Ligulatium 224
Linoporella 224
Liostephania 224
Liradiscus 224
Liriogramma 224
Litanaia 224
Litharchaeocystis 224
Lithastrinus 224
Lithochrysites 224
Lithoderma 224
Lithodesmium 224
Litholepis 224
Lithoperidinium 224
Lithophyllum 224
Lithosiphon 224
Lithothamnium 224
Lithraphidites 225
Lobatulus 225
Lobomonas 225
Lobulatus 225
Lochmiopsis 225
Lohmannosphaera 225
Lomentaria 225
Longolithes 225
Lophosiphonia 225
Lucianorhabdus 225
Ludlovia 225
Lychnothamnites 225
Lychnothamnus 225
Lyngbya 226
Lyramula 228

Maclaella 228
Macrochloris 228
Macrocystis 228
Macroporella 228
Maedlerisphaera 229
Mallomonas 229
Mallomonopsis 229
Marenita 229
Marginariella 229
Marinella 229
Marpoli 229
Marssoniella 229
Marthasterites 230
Martjanowskia 230
Maslovichara 230
Massartia 230
Mastigocladus 230
Mastocarpus 230
Mastogloia 230
Mastopora 231
Mediaria 231
Mejerella 231
Melobesia 231
Melosira 239
Membranoptera 239
Mennerius 239
Menoidium 239
Menselina 240
Meridion 240
Meringosphaera 240
Merismopedia 240
Meristotheca 242
Mesocena 242
Mesochara 242
Mesogerron 242
Mesogloia 242
Mesophyllum 242
Mesotaenium 242
Meyeriella 242
Michaelsarsia 242
Micractinium 243
Micrampulla 243
Micrantholithus 243
Microasterias 244
Microchaete 244
Microcladia 244
Microcodium 244
Microcoleus 244
Microcystis 245
Microcystites 249
Microdinium 249
Microrhabdulinus 249
Microrhabduloides 249
Microrhabdulus 249
Microrhinus 249
Microsporium 249
Microspor. 250
Microthamnion 250
Micula 250
Mirandosphaera 250
Nitralifer 250
Mizzia 250
Monallantus 250
Monas 250
Mongoloporella 250
Moniliporella 250
Monodus 250
Monomastix 250
Monomorphina 251
Monopsia 251
Monosiphon 251
Monostroma 251
Morania 251
Morelletina 251
Mougeotia 252
Mougeotiopsis 252
Mucilina 252
Mucostroma 252
Muderongia 252
Muelleriella 253
Muiriella 253
Murandavia 253
Muriella 253
Murrayella 253
Myelophycus 253
Myriactis 253
Myriactula 253
Myriogramme 253
Myrionema 253
Myriotrichia 253
Myxosarcina 253

Nannoceratopsis 253
Nautococcopsis 253
Nautococcus 253
Navicula 254
Naviculopsis 270
Naviculopsis 271
Neidium 271
Nelcanella 272
Nelsoniella 272
Nemacystus 272
Nemalion 272
Nemaphycus 272
Nematonostoc 272
Neochloris 272
Neodilsea 272
Neomeris 272
Neonema 272
Nephelostroma 272
Nephrochlamys 273
Nephrocytium 273
Nephrolithus 273
Nephroselmis 273
Nereia 273
Nereocystis 273
Netrium 273
Neuroglossum 273
Nicholsonia 273
Nienburgia 273
Nitella 274
Nitellopsis 274
Nitophyllum 274
Nitzschia 284
Nocticula 284
Nodosinella 284
Nodosinellina 284
Nodosochara 284
Nodosoclavator 284
Nodularia 284
Nodularites 284
Nostoc 285
Nothyocha 285
Notosolenus 285
Nuia 285
Nylea 285

Obtusochara 285
Ochromonas 285
Odontnalia 286
Odontochitina 286
Odontochitinopsis 286
Odontotropis 286
Oedogonium 286
Oikomonas 288
Omatia 288
Omphalophyllum 288
Oncobyrsa 288
Oncobyrsella 288
Onychonema 288
Oocystidium 288
Oocystis 288
Oodnadattia 290
Opephora 290
Ophiocytium 290
Ornithocercus 290
Ortonella 291
Oscillatoria 291
Oscillatorites 298
Ostreobium 298
Ottonia 298

Ovulites 298
Oxyrrhis 298
Oxytoxum 298

Pachyarthron 299
Pachycladon 299
Pachytheca 299
Padina 299
Palaeocystodinium 299
Palaeoglenodinium 299
Palaeohystrichophora . . 299
Palaeoleptophycus 299
Palaeomicrocoleus 299
Palaeomicrocystis 299
Palaeonites 299
Palaeoperidinium 299
Palaeophalacroma 299
Palaeophyllum 299
Palaeoporella 299
Palaeorivularia 299
Palaeotetradinium 300
Palaeothamnium 300
Palaeotrigonium 300
Palmella 300
Palmellochaete 300
Palmellococcus 300
Palmellocystis 300
Palmellopsis 300
Palmodictyon 300
Pandorina 300
Panomninella 301
Pantoneura 301
Papulophycus 301
Parachabakovia 301
Parachaetetes 301
Paradella 301
Paradictyocha 301
Paradoxia 301
Paraepiphyton 301
Parahistonelis 301
Paralia 301
Pararchaemonas 301
Pareodinia 301
Parhabdolithus 301
Parkerella 301
Pastillus 302
Paulschulzia 302
Paulsenella 302
Pavilardium 302
Peckichara 302
Peckisphaera 302
Pediastrum 302
Pedinella 305
Pedinomonas 305
Pedinopera 305
Pelvetia 306
Penium 306
Pentadinium 306
Pentagonum 306
Pentalithus 306
Peponia 306
Peranema 306
Percursaria 306
Peridiniten 307
Peridinium 307
Perimneste 310
Periphyllophora 310
Periptera 310
Permocalculus 310
Peronia 310
Peroniella 310
Petalomonas 310
Petalonia 310
Petrocelis 311
Petroderma 311
Petschoria 311
Peyssonnelia 311
Phacotus 311
Phacus 311
Phaeococcus 313
Phaeocystis 313
Phaeodactylon 314
Phaeoglossum 314
Phaeophila 314
Phaeostroma 314
Phaeostrophion 314
Phaeothamnion 314
Phaeurus 314
Phalacroma 314
Phanerodinium 314
Phloeospora 314
Phormidium 315
Phycodrys 318
Phyllaria 318
Phyllariella 318
Phyllariomonas 318
Phyllitis 318
Phyllocardium 318
Phyllogigas 318
Phyllophora 318
Phymatolithon 319
Physocytium 319
Physoporella 319
Phytodinedria 319
Phytodinium 319
Pila 319
Pilayella 319
Pinnularia 319
Pirilithion 325
Pithophora 325
Placosphaera 325
Plagiogramma 325
Planctococcus 326
Planctonema 326

Planktoniella 326
Planophila 326
Platyclinia 326
Platycystidia 326
Platydorina 326
Platymonas 326
Platythamnion 326
Plectonema 326
Pleodorina 327
Pleurastrum 327
Pleurocapsa 327
Pleurochloridella 327
Pleurochloris 327
Pleurocladia 327
Pleurococcus 327
Pleuromonas 327
Pleurosigma 327
Pleurotaenium 328
Plocamium 329
Plumaria 329
Pluriarvalium 329
Podolampas 329
Podorhabdus 329
Podosira 329
Poecilophycus 330
Polycoryne 330
Polyedriella 330
Polyedriopsis 330
Polyedrium 330
Polygonalium 330
Polyides 330
Polykrikos 330
Polyneura 330
Polyopes 330
Polyporolithon 330
Polysiphonia 330
Polytoma 331
Pontosphaera 331
Pontothrix 332
Porella 332
Poretzkia 332
Porochara 332
Porodiscus 332
Porolithon 332
Poropila 332
Porosira 332
Porphyra 333
Porphyridium 333
Porphyrosiphon 333
Porterinema 333
Potentillina 333
Praechara 334
Praechroococcus 334
Prasiola 334
Prediscosphaera 334
Primicorallina 334
Pringsheimia 334
Pringsheimiella 334
Prionitis 334
Proaulopora 334
Proninophyton 334
Pronoctiluca 334
Prorocentrum 334
Protoceratium 335
Protococcus 335
Protoderma 335
Protodinium 335
Protomonostroma 335
Protorivularia 335
Protosiphon 335
Protospira 335
Prototaxites 335
Prototheca 335
Protovalonia 335
Protuberantia 336
Prymnesium 336
Pseudanabaena 336
Pseudauliscus 336
Pseudoamphiprora 336
Pseudoaulacodiscus . . . 336
Pseudoceratium 336
Pseudochaetetes 336
Pseudocharacium 336
Pseudochlorothecium . . . 336
Pseudochorda 336
Pseudodeflandrea 336
Pseudoeunotia 336
Pseudogoniolina 336
Pseudogyroporella 336
Pseudohimantidium 337
Pseudoholopedia 337
Pseudokephyrion 337
Pseudolaingia 337
Pseudolithoderma 337
Pseudolithothamnium . . . 337
Pseudoncobyrsa 337
Pseudonitzschia 337
Pseudonostoc 337
Pseudopedinella 337
Pseudophycodrys 337
Pseudopodosira 338
Pseudopolyedriopsis . . . 338
Pseudopyxilla 338
Pseudorocella 338
Pseudorpelaeopogon . . . 338
Pseudosphaerocystis . . . 338
Pseudostaurastrum 338
Pseudostictodiscus . . . 338
Pseudosynerypta 338
Pseudosynura 338
Pseudotetraëdron 338
Pseudovermiporella . . . 338
Pseudulvella 338
Pterocladia 338

Pterodinium 338
Pteromonas 338
Pterosiphonia 339
Pterosperma 339
Pterotheca 339
Ptilota 339
Ptychodiscus 340
Pugetia 340
Pulvinularia 340
Punctaria 340
Pustularia 340
Pyramidomonas 340
Pyrobotrys 340
Pyrocystis 340
Pyrophacus 341
Pyxidicula 341
Pyxidiella 341
Pyxilla 341

Quasiumbella 341

Raciborskiella 341
Radiina 341
Radiococcus 341
Radiopalma 342
Radiosphaera 342
Radiosus 342
Ralfsia 342
Raphidiopsis 342
Raphidium 342
Raphidodinium 342
Raphidonema 342
Raskyella 342
Rattrayella 342
Razumovskia 342
Rectangulina 342
Recteradiatus 343
Reinschia 343
Renalcis 343
Rhabdochara 343
Rhabdoderma 344
Rhabdolithina 344
Rhabdolithus 344
Rhabdomonas 344
Rhabdonema 344
Rhabdoporella 344
Rhabdosphaera 345
Rhabdosphaerites 345
Rhaphoneis 345
Rhizoclonium 345
Rhizosolenia 346
Rhodochorton 348
Rhododermis 348
Rhodoglossum 348
Rhodomela 348
Rhodomonas 349
Rhodophyllis 349
Rhodophysema 349
Rhodosorus 349
Rhodymenia 349
Rhoiconeis 349
Rhoicosphenia 349
Rhombodinium 350
Rhopalocystis 350
Rhopalodia 350
Rhopalosolen 351
Rhynchodiniopsis 351
Rhyniella 351
Richelia 351
Richteriella 351
Riedelia 351
Rivularia 351
Rivularialithus 352
Romeria 352
Roperia 352
Rosenvingiella 352
Rothpletzella 352
Rottnestia 352
Rouxia 352
Roya 352
Rubellophyton 352
Rucinolithus 352
Rutilaria 352
Rytiphlaea 352

Saccorhiza 352
Sajania 352
Salpingoeca 353
Samarella 353
Sarcophyllis 353
Sargassum 353
Saundersella 354
Scaphospora 354
Sceletonema(=Skeletonema) 354
Scenedesmus 354
Sexeptronis 361
Schamovella 362
Scherffelia 362
Scheveligchemia 362
Schimperiella 362
Schizochlamydella 362
Schizochlamys 362
Schizomeris 362
Schizoseris 362
Schizothrix 362
Schizotrichites 362
Schizymenia 362
Schroederia 363
Schroederiella 363
Scoliopleura 363
Scoliotropis 363
Scotiella 363
Scriniodinium 363
Scyphosphaera 363
Scytomonas 363
Scytonema 363
Scytonematopsis 364
Scytosiphon 364
Selenastrum 364
Seletonella 364
Sennia 364
Septalites 364
Serligia 365
Shanganella 365
Shuguria 365
Siberiella 365
Siderocelis 365
Siderocystis 365
Sinzasophyton 365
Siphononema 365
Sirmiodinium 365
Sirocoleus 365
Sirogonium 365
Snowella 365
Sokolovia 365
Solenopora 365
Soranthera 366
Sorapion 366
Sorastrum 366
Sorocarpus 366
Spelaeopogon 366
Spermatochnus 366
Spermothamnion 366
Sphacelaria 366
Sphaerella 366
Sphaerochara 366
Sphaerocystiopsis 367
Sphaerocystis 367
Sphaerodinium 367
Sphaeronostoc 367
Sphaeroplea 367
Sphaeroporella 367
Sphaerothallus 368
Sphaerotrichia 368
Sphaerozosma 368
Sphenomonas 368
Spinidinium 368
Spiraulax 368
Spirogyra 371
Spiromonas 372
Spirotaenia 372
Spirulina 373
Spondylomorum 373
Spondylosium 373
Spongiophyton 373
Spongodinium 373
Spongomorpha 373
Spongonema 373
Spongophycus 373
Sporinula 373
Squamula 373
Staurastrum 374
Staurodesmus 378
Staurolithes 379
Stauroneis 379
Stellaphyton 381
Stellaria 381
Stellatochara 381
Stenochara 381
Stenogrammiella 381
Stenokalyx 382
Stenopterobia 382
Stephanodiscus 382
Stephanogonia 383
Stephanolithion 384
Stephanoon 384
Stephanopyxis 384
Stephodinium 385
Stichococcus 385
Stictodiscus 385
Stictyosiphon 385
Stigeoclonium 386
Stigmaphora 386
Stigonema 386
Stilophora 386
Stipitochrysis 387
Stomatochara 387
Stomochara 387
Stratonostoc 387
Streblonema 388
Streptophyton 388
Striaria 388
Striatella 388
Strombomonas 388
Stschapowia 389
Stylodinium 389
Stylopyxis 389
Stylosphaeridium 389
Stypocaulon 389
Subtilofloria 389
Succodium 389
Sulcosphaera 389
Surirella 389
Svalbardella 393
Swarchewskiella 393
Swirenkoiamonas 393
Sycidium 393
Sykidion 393
Symphoricoccus 393
Symphyocladia 393
Syploca 394
Syncrypta 394
Syndetocystis 394
Synechococcus 394
Synechocystis 394
Synedra 394

Synochromonas 400
Synura 400
Syracosphaera 400
Syringidium 400

Tabellaria 400
Tania 401
Taninia 401
Tannuolaia 402
Tarama 402
Tchentchia 402
Tectochara 402
Tenua 402
Tergestiella 402
Terpsinoë 402
Terquemella 402
Tetmemorus 402
Tetrachlorella 402
Tetracoccus 402
Tetracyclus 402
Tetradesmus 404
Tetraëdriella 404
Tetraëdron 404
Tetrakentron 406
Tetralithus 406
Tetrallantos 406
Tetramitus 406
Tetrapedia 406
Tetraptera 406
Tetrarcus 406
Tetraspora 406
Tetrasporopsis 406
Tetrastrum 406
Tetratomococcus 407
Teutloporella 407
Thalassionema 407
Thalassiophyllum 408
Thalassiosira 408
Thalassiothrix 410
Thamniastrum 411
Thaumatophycus 411
Thaumatoporella 411
Thispina 411
Thoracomonas 411
Thorea 411
Thyrsoporella 411
Thysanoplanta 411
Tichocarpus 411
Timanella 411
Tolypella 411
Tolypellopsis 411
Tolypothrix 412
Tomentula 412
Torodinium 412
Trachelomonas 412
Trachelostomum 419
Trachyminuscula 419
Trachyneis 419
Trachysphenia 419
Tranolithus 419
Trebouxia 419
Tremalithus 419
Trentepohlia 420
Trepomonas 420
Treubaria 420
Tribonema 420
Tribrachiatus 421
Triceratium 421
Trichodesmium 422
Trichodinium 422
Trigonopyxis 422
Trinacria 422
Triploceras 423
Triploporella 423
Triposolenia 423
Trochia 423
Trochiliscus 423
Trochiscia 423
Trochosira 424
Tropidoneis 424
Tschestnowia 424
Tuberculoria 424
Tubiphytes 424
Tubomorphophyton 424
Tubophyllum 424
Tubophyton 424
Tubulistroma 424
Tubulophyllum 424
Tubulophyton 424
Turbinaria 424
Turnerella 424
Tusscetia 425
Tylochrysis 425

Udotea 425
Ulothrix 425
Ulva 426
Ulvaria 426
Umbella 426
Umbellula 427
Umbilicosphaera 427
Undaria 427
Ungdarella 427
Unjaella 427
Uragiella 427
Uralella 427
Uraloporella 427
Uranovia 427
Urceolus 427
Uroglena 427
Uroglenopsis 428
Uronema 428
Urospora 428
Uva 428
Uvatodinium 428

Vacuolaria 428
Vallacerta 428
Valonia 428
Vaucheria 428
Vermiporella 429
Vesicophyton 429
Vdalia 429
Villosoporella 429
Vologdinella 429
Vologdinia 429
Volvox 429
Volvulina 429

Westella 429
Wetheredella 430
Wetzeliella 430
Wetzelodinium 430
Wollea 430
Woloszynskia 430
Woronichinia 430

Xanthidium 430
Xanthiopyxis 431
Xenikoon 431
Xenococcus 431
Xystotheca 431

Yakutina 431
Yendonia 431
Yentalia 431

Zanardinia 431
Zanardinula 431
Zonotrichites 431
Zygnema 432
Zygnemopsis 432
Zygodiscus 432
Zygolithus 433
Zygrhablithus 433

Указатель авторов таксонов
(в сокращенной и полной форме)[1]

A.S. - Schmidt A.
Abé - Abé T.H.
Adanson - Adanson M.
Ag. - Agardh C.A.
J.Ag. - Agardh J.G.
Ahln. - Ahlner K.
Ahlstr. - Ahlstrom E.H.
Alb. - Alberti G.
All. - Allorge P.
T.Allen - Allen T.F.
Ålv. - Ålvik G.
Amb. - Amberg O.
Anach. - Anachin I.K.
Ananiev - Ananiev A.R.
Anders. - Andersson O.F.
V.Andr. - Andreeva V.M.
Angst - Angst E.C.
Anissim. - Anissimova N.V.
Antip. - Antipova N.L.
Antr. - Antropov I.A.
Aptek. - Aptekarj E.M.
Arch. - Archer W.
d'Archiac - d'Archiac E.J.
Ardiss. - Ardissone F.
Aresch. - Areschoug J.E.
Arkh. - Arkhangelsky A.D.
Arn. - Arnott G.A.W.
Arnoldi - Arnoldi V.M.
Artari - Artari A.P.
Asaul - Asaul Z.I.
Auerbach - Auerbach I.B.
Auersw. - Auerswald B.
Awer. - Awerintzev S.V.
Axentijev - Axentijev B.N.

Bachm. - Bachmann H.
Bail. - Bailey J.W.
L.Bail. - Bailey L.W
Balb. - Balbis G.B.
Balech - Balech E.
Barker - Barker J.
Barnes - Barnes B.
Bart. - Barton E.S.
Batt. - Batters E.A.L.
Batur. - Baturina V.N.
Bauer - Bauer W.
Baum. - Baumeister W.
G.Beck - Beck G.
Beck-Mannag.(=G.Beck) - Beck-Mannagetta G.
Beijer. - Beijerinck M.W.
Belyaeva - Belyaeva T.V.
Bennett - Bennett A.W.
A.Berg - Berg A.
Bergh - Bergh R.S.
Bergon - Bergon P.
Berk. - Berkeley M.J.
Bern. - Bernard C.

---

[1] При расстановке в алфавит за основу принималась сокращенная форма фамилии, а при одинаковом написании фамилии и при сокращении фамилии до одной буквы - инициали. Частицы de и van учитывались в алфавите в том случае, когда они фактически уже вошли в состав фамилии.

Berth. - Berthold G.
Bertr. - Bertrand C.E.
Bethge - Bethge H.
Bielokrys - Bielokrys L.S.
Billings - Billings E.
Birina - Birina L.M.
Biske - Biske G.S.
Biss. - Bissett P.
Biswas - Biswas K.
Black - Black M.
Blackman - Blackman V.H.
Bleisch - Bleisch M.
Blid. - Bliding C.
E.Blin. - Blinova E.I.
Blochm. - Blochmann F.
Böcher - Böcher
Bogd. - Bogdanova L.G.
Bohl. - Bohlin K.
Böhm - Böhm A.
Bold - Bold H.C.
Boldt - Boldt R.
Boloch. - Bolochontzev E.N.
Bona - Bona J.
Bonn. - Bonnemaison T.
Börg.(=Børg.) - Börgesen F.
Borge - Borge O.
Borissjak - Borissjak M.A.
Born. - Bornet E.
Bornem. - Bornemann J.G.
Borscz. - Borsczov E.G.
Bory - Bory de St.Vincent,J.B.
Borzi - Borzi A.
Bourr. - Bourrelly P.
Boye-Pet. - Petersen, J.Boye
Boyer - Boyer C.S.
Br. - Brander G.
A.Br. - Braun A.
Braar. - Braarud T.
Braml. - Bramlette M.N.
Brand - Brand F.
Brander - Brander G.
Brasl.-Spect. - Braslavskaja-Spectrova E.P.
Bréb. - Brébisson A. de
Brigger - Brigger A.L.
Bright. - Brightwell T.
Brist. - Bristol-Roach B.M.
Broch - Broch H.
Brock. - Brockmann C.
Bronik. - Bronikovsky N.
Brönn. - Brönnimann P.
Brook - Brook A.J.
R.Brown - Brown R.
Brüg.(=Brueg.) - Brügger C.G.
Brühl - Brühl P.
Brun - Brun J.
Brunnth. - Brunnthaler J.
Brutschy - Brutschy A.
Bruz. - Bruzelius A.
Bull.-Webst. - Bullock-Webster G.R.
Bulnh. - Bulnheim O.
Bush. - Bushenko E.P.
Butch. - Butcher R.W.
Butin - Butin R.V.
Butsch. - Butschli O.
Buttner - Buttner J.
E.Byk. - Bykova E.

Calkins - Calkins G.
Caratini - Caratini C.
Carlson - Carlson G.W.F.
Carm. - Carmichael D.
Cart. - Carter N.
Castr. - Castracane A.F.
Caullery - Caullery M.
Cederc. - Cedercreutz C.
Cedergr. - Cedergren G.R.
M.Čelan - Čelan M.
Ces. - Cesati V.
Chalfina - Chalfina N.A.
Chalil. - Chalilov D.M.
Chamisso - Chamisso A.
Chapm. - Chapmen F.
Chatton - Chatton E.
Chauv. - Chauvin J.
Chén. - Chenevière E.
Chev. - Chevallier F.F.
Chick - Chick H.
Chmiel. - Chmieliewski W.F.
Chod. - Chodat R.
F.Chod. - Chodat F.
R. et F.Chod. - Chodat R. et F.
Cholnoky - Cholnoky B.
Christ. - Christjuk P.M.
Chrustalev - Chrustalev J.P.
Chu - Chu S.R.
Church. - Churchill D.M.
Chvorova - Chvorova I.V.
Cienk. - Cienkowski L.
Cl. - Cleve P.T.
A.Cl. - Cleve-Euler A.
Clap. - Claparède E.
H.Clark - Clark H.J.
Clem. - Clements F.E.
Clerici - Clerici E.
Cohn - Cohn F.
Coll. - Collins F.S.
Comb. - Comber T.
Conr. - Conrad W.
Conti - Conti S.
Cook. - Cookson J.C.
Cooke - Cooke M.C.
Corda - Corda A.C.J.

Cotton - Cotton A.D.
Court. - Courteville H.
Cramer - Cramer C.E.
Croasd. - Croasdale H.
Croft - Croft W.N.
Crouan - Crouan H.M.
Crouan - Crouan P.L.
P. et H.Crouan - Crouan P.L. et H.M.
Crow - Crow W.B.
da Cunha - Cunha da A.M.
Cupp - Cupp E.
Cushm. - Cushman J.
Czurda - Czurda V.

Daday - Daday E.
Dang. - Dangeard P.A.
L.Dang. - Dangeard L.
Danil. - Danilov A.N.
Dannf. - Dannfeldt H.J.
Darbesh. - Darbeshire O.V.
Dastugue - Dastugue G.
Davis - Davis J.S.
Daws. - Dawson E.Y.
DC - De Candolle A.P.
Dcne - Decaisne J.
Deane - Deane H.
De Bary - De Bary A.
Debes - Debes E.
Ded.-Stscheg.(=Deduss.) - Dedussenko-Stschegoleva N.T.
Deduss. - Dedussenko N.T.
Defl. - Deflandre G.
De la Pyl. - Bachelot de la Pylaie, A.J.M.
Delép. - Delépine R.
Delle Chiaje - Delle Chiaje S.
Delp. - Delponte J.B.
Demin - Demin V.M.
Deninger - Deninger C.
Denis - Denis M.
De Not. - De Notaris G.
Derb. - Derbes A.
Desm. - Desmazieres J.B.
Desv. - Desvaux A.N.
Deth. - Detharding G.G.
De Toni - De Toni J.B.
De Wild. - De Wildemann E.
Dewjatova - Dewjatova E.I.
Dick - Dick J.
Dickie - Dickie G.
Dies. - Diesing K.M.
Dill. - Dill O.
Dillw. - Dillwyn L.W.
Dipp. - Dippel L.
Dixit - Dixit S.C.
Dobell - Dobell C.C.

Dofl. - Doflein F.
Dollf. - Dollfus G.F.
Donat - Donat A.
Donk. - Donkin A.S.
Dönz - Dönz C.
Dóre - Dóre F.
Dorogostaicky - Dorogostaisky V.
Doty - Doty M.S.
Down. - Downie C.
Dreź. - Dreźepolski R.
Drosdova - Drosdova H.A.
Drouet - Drouet F.
Duby - Duby J.E.
Ducell. - Ducellier F.
Ducl. - Ducluzeau I.
Dufour - Dufour L.
Duj. - Dujardin F.
Dumetr. - Dumetrica P.
Dur. - Durieu de Maisonneuve M.C.
Dusi - Dusi H.
Dybovsky - Dybovsky V.N.

Ehr. - Ehrenberg C.G.
Eichl. - Eichler A.W.
Eichw. - Eichwald E.
Eis. - Eisenack A.
Elenk. - Elenkin A.A.
Elfv. - Elfving F.
Elliott - Elliott G.F.
Ellis - Ellis J.B.
Endl. - Endlicher S.L.
Endo - Endo R.
Engl. Bot. - English Botany
Entz - Entz G.
Erceg. - Ercegovic A.
Ermol. - Ermolaeva L.M.
Ernst - Ernst A.
Esp. - Esper E.J.
Ether. - Etheridge R.
Ettl - Ettl H.
Eulenst. - Eulenstein T.
Evitt - Evitt W.R.

Faber - Faber F.C.
Fabre-Domer. - Fabre-Domerque P.
Falkenb. - Falkenberg P.
Farl. - Farlow W.G.
Feb. Febiger
Fedor. - Fedorov V.G.
Feld. - Feldmann J.
G.Feldm. - Feldmann G.
Feldm.-Mazoyer(=G.Feldm.) - Feldmann-Mazoyer G.
Fensh. - Fensholt D.E.

Fert - Fert C.
Fig. - Figari A.
Filarszky - Filarszky N.
Fior.-Mazz. - Fiorini-Mazzanti E.
Fisch - Fisch C.
Fl. Dan. - Flora Danica
Flah. - Flahault C.
Florin - Florin M.-B.
Flotow - Flotow J.
Focke - Focke G.W.
Foged - Foged M.
Font. - Fontell C.W.
Forsk. - Forskål P.
Forti - Forti A.
Foslie - Foslie M.
Fott - Fott B.
Francé - Francé R.
Frémy - Frémy P.
Freng. - Frenguelli J.
Fres. - Fresenius G.
Fricke - Fricke F.
Fries - Fries E.
Fritel - Fritel P.H.
Fritsch - Fritsch F.E.
Frollo - Frollo M.M.
Prom. - Fromentel E. de
Fuge - Fuge D.P.
Funk - Funk G.

Gaard. - Gaardner K.R.
Gail - Gail H.I.
Gaponov - Gaponov E.
Gardet - Gardet M.
Gardn. - Gardner N.L.
Garwood - Garwood E.J.
Gay - Gay F.
Gayral - Gayral P.
Geitl. - Geitler L.
Georg. - Georges G.
George - George E.A.
A. et E.S.Gepp - Gepp A. et Gepp E.S.
Gerl. - Gerlach E.
Gerloff - Gerloff J.
Gern. - Gerneck R.
Ghose - Ghose S.L.
Gicklh. - Gicklhorn J.
Giffen - Giffen M.H.
Gles. - Gleser S.I.
Gluchovskaja - Gluchovskaja N.B.
Glück - Glück H.
Gmel. - Gmelin C.C.
Gmel. - Gmelin J.F.
Gmel. - Gmelin J.G.
Gnilovskaja - Gnilovskaja M.B.

Gobi - Gobi C.
Gocht - Gocht H.
Godey - Godey J.
Gojdics - Gojdics M.
Golenkin - Golenkin M.I.
Golubtzov - Golubtzov V.C.
Gom. - Gomont M.M.
Good. - Goodenough S.
Gordon - Gordon W.T.
Gorgul. - Gorgulevskaja E.I.
Gorjatsch. - Gorjatscheva G.I.
Gorjatschev - Gorjatschev P.P.
Górka - Górka H.
Gorosch. - Goroschankin I.N.
Götz - Götz H.
Gough - Gough L.
Gour. - Gourret P.
Gr. - Grove E.
Graham - Graham H.W.
Gramb. - Grambast L.
L. et N.Gramb. - Grambast L. et Grambast N.
Gran - Gran H.H.
Grant - Grant W.
Gray - Gray S.P.
Greg. - Gregory W.
Grev. - Greville R.K.
Griff. - Griffiths B.M.
Grigor. - Grigorovitsch A.S.
Grönbl. - Grönblad R.
Groves - Groves J.
Grun. - Grunow A.
Gründler - Gründler H.
Gudym. - Gudymovich S.S.
Gümbel - Gümbel C.W.
Gunn. - Gunnerus J.E.
Gus. - Guseva C.A.
I.Guss. - Gussarova I.S.
Gutw. - Gutwinski R.
Güvenç - Güvenç T.

H. af R. - Horn af Rantzien H.
Häck. - Häckel H.
Halldal - Halldal P.
Hamel - Hamel C.
Hang - Hang
Hanna - Hanna G.D.
Hansg. - Hansgirg A.
Hantzsch - Hantzsch C.A.
Hardy - Hardy A.D.
Hariot - Hariot P.
Harr. - Harrison M.
Harris - Harris T.M.
Harv. - Harvey W.H.
Hasle - Hasle G.R.
Hass. - Hassall A.H.
Hauck - Hauck F.

Hauptfl. - Hauptfleisch P.
Hay - Hay W.
Häyren - Häyren E.
Hazen - Hazen T.E.
Hedw. - Hedwig J.
Heer - Heer O.
Heering - Heering W.
Heib. - Heiberg P.A.
Heid. - Heiden H.
Heimerl - Heimerl A.
Helmcke - Helmcke J.D.
Hempr. - Hemprich P.G.
Henck. - Henckel A.G.
Hendey - Hendey N.I.
Henfrey - Henfrey A.
Hensen - Hensen V.
Herak - Herak M.
Herdm. - Herdmann E.C.
Herib. - Heribaud J.
Hermann - Hermann J.
Herndon - Herndon W.
Herv. - Hervey A.B.
Hickie - Hickie W.J.
Hieron. - Hieronymus G.
Hilse - Hilse M.
Hirano - Hirano M.
Hirn - Hirn K.
Hobs. - Hobson J.
Hoeg - Hoeg O.A.
Hoek - Hoek C. van den
Hoff. - Hoffman W.E.
Höhnel - Höhnel F.
Hollerb. - Hollerbach M.M.
Holm. - Holmes E.M.
Holmboe - Holmboe J.
Hook. - Hooker W.J.
J.Hook. - Hooker J.
Horn. - Hornemann J.W.
Hornby - Hornby A.J.W.
Hort. - Hortobágyi T.
Howe - Howe M.A.
Hoyt - Hoyt W.D.
Huber - Huber J.
Huber-Pest. - Huber-Pestalozzi G.
Hübner - Hübner E.
Huds. - Hudson G.
Huitf.-Kaas - Huitfeldt-Kaas H.
Hus - Hus H.T.A.
Hust. - Hustedt F.
Huve - Huve H.
Hy - Hy F.

Imh. - Imhof O.E.
Inagaki - Inagaki K.
Issel - Issel R.
Istschenko - Istschenko T.A.
Itz. - Itzigsohn H.
Iwan. - Iwanov L.

Jaag - Jaag O.
Jaasund - Jaasund E.
Jacobs. - Jacobsen H.C.
Jad. - Jadin V.I.
James - James E.J.
Jan. - Janisch C.
Jancz. - Janczewski E.
Jane - Jane F.W.
Jao - Jao C.C.
Jarc. - Jarceva M.V.
Järnef. - Järnefelt H.
Jasnitsky - Jasnitsky W.N.
Jav. - Javornický P.
Jazkul. - Jazkulieva V.E.
Jenn. - Jenner E.
John - John R.P.
J.H.Johns. - Johnson J.H.
L.N.Johns. - Johson L.N.
L.P.Johns. - Johnson L.P.
Jonss. - Jonsson S.
Jörg. - Jörgensen E.
Jouravleva - Jouravleva I.T.
Jousé - Jousé A.P.
Jurilj - Jurilj A.
Jurič - Jurič S.

Kaiser - Kaiser P.E.
Kammerer - Kammerer G.
Kampt. - Kamptner E.
Kanaya - Kanaya T.
Kanno - Kanno R.
Kanoda - Kanoda N.N.
Kar. - Karaeva N.I.
Karpinsky - Karpinsky A.P.
Karst. - Karsten G.
Kasan. - Kasanowsky V.
Kascht. - Kaschtanova A.E.
Keissl. - Keissler K.
Kell. - Kellicott D.S.
Kent - Kent W.S.
Khawk. - Khawkina W.
Khmel. - Khmeleva N.N.
Kiaer - Kiaer J.
Kidston - Kidston R.
Kirchn. - Kirchner O.
Kis. - Kisselevsky F.J.
I.Kiss. - Kisselew I.A.
E.Kissel. - Kisseleva E.I.
Kitt. - Kitton F.
Kjellm. - Kjellman F.
Kleb. - Klebahn H.
Klebs - Klebs G.
Kleen - Kleen E.
Klem. - Klement K.W.

Klyver - Klyver F.D.
Koch. - Kochansky V.
Koczw. - Koczwara M.
Kof. - Kofoid C.A.
Kog. - Kogan S.I.
Kol - Kol E.
Kolbe - Kolbe R.W.
Kolkwitz - Kolkwitz R.
Kolosov - Kolosov P.N.
Kom. - Komarov V.L.
Komárek - Komárek J.
Kondrat. - Kondratjeva N.V.
Kongiss. - Kongisser R.A.
Konishi - Konishi K.
Konoplina - Konoplina O.R.
Koppe - Koppe F.
Korde - Korde K.B.
Kornm. - Kornmann P.
O.Korotk. - Korotkevitsch O.S.
Korsch. - Korschikov A.A.
Kosenko - Kosenko L.V.
Kossinsk. - Kossinskaja E.K.
Kozlova - Kozlova O.G.
Kozyr. - Kozyrenko T.P.
Krasnop. - Krasnopeeva P.S.
Krasnoperova - Krasnoperova L.A.
Krassav. - Krassavina L.C.
Krassil. - Krassilstschik J.
Krassiln. - Krassilnikov N.A.
Krasske - Krasske G.
Kräusel - Kräusel R.
Krauss - Krauss R.W.
Krieg. - Krieger W.
Krock. - Krocker A.J.
Krotov - Krotov A.V.
Krüger - Krüger W.
Kuck. - Kuckuck P.
Kuff. - Kufferath H.
Kühn - Kühn M.
Kukk - Kukk E.
Kul. - Kulik E.L.
Kuntze - Kuntze O.
Kuptz. - Kuptzova I.A.
Kusjmina - Kusjmina A.I.
Kütz.(=Kuetz.) - Kützing F.T.
Kylin - Kylin H.

L. - Linneus C.
Lachm. - Lachmann J.
Lack. - Lackey J.B.
Lacsny - Lacsny J.L.
Lagerh. - Lagerheim G.
Lagerst. - Lagerstedt N.G.W.
Lakowitz - Lakowitz K.
Lamb. - Lambert P.D.
Lamour. - Lamouroux J.V.F.

Laristschev - Laristschev A.A.
Lauby - Lauby A.
Laud. - Lauder H.S.
Laud.-Fort. - Lauduger-Portmorel G.
Laut. - Lauterborn R.
Laz. - Lazareva E.P.
Lebour - Lebour M.
Le Cl. - Le Clerc L.
Lec.-Schl. - Lecal-Schlauder I.
Lecompte - Lecompte M.
Lee - Lee G.W.
Lef. - Lefèvre M.
Lehmann - Lehmann E.
Leibl. - Leiblein
Lejeune-Carpent. - Lejeune-Carpentier M.
Le Jolis - Le Jolis A.
Lemm. - Lemmermann E.
Lemoine - Lemoine P.
Lenorm. - Lenormand R.
Leonh. - Leonhardi H.
Lepech. - Lepechin I.
Lerche - Lerche W.
Less. - Lessing C.F.
Lev. - Levander K.M.
Levi - Levi D.
Levr. - Levring T.
Lewis - Lewis F.W.
Li - Li L.C.
Liebm. - Liebmann F.
Lightf. - Lightfoot J.
Lillier. - Lillieroth S.
Lind. - Lindemann E.
Link - Link H.F.
Lipina - Lipina O.A.
Lisitzyn - Lisitzyn A.F.
Litw. - Litwinenko R.M.
Liventahl - Liventahl V.E.
Lobarz. - Lobarzewsky H.R.
Loeblich - Loeblich A.R., jr.
Loefer - Loefer J.
Lohm. - Lohman K.E.
H.Lohm. - Lohmann H.
Lois. - Loiseur-Deslongchamps J.L.A.
Lombard - Lombard A.
Long - Long J.A.
Loss. - Losseva E.I.
Lu - Lu Y.H.
Luljewa - Luljewa S.A.
Lund. - Lundell P.M.
J.Lund - Lund J.W.G.
S.Lund - Lund S.
Lundb. - Lundberg F.
Lupik. - Lupikina E.G.
Lütkem. - Lütkemüller J.

Lyngb. - Lyngbye H.C.

Machaev - Machaev N.S.
Mädler - Mädler K.
Magn. - Magnus P.
Makar. - Makarova I.V.
Makijenko - Makijenko V.F.
Mal. - Malakhova N.P.
Mamb. - Mambetalieva S.K.
Mangin - Mangin L.
Manguin - Manguin E.
Maniv. - Manivit H.
Mann - Mann A.
Manum - Manum S.
Manza - Manza A.V.
Marschew. - Marschewianka M.Z.
Marsson - Marsson M.
Mart. - Martini E.
Martius - Martius K.F.
Masaki - Masaki T.
Mask. - Maskell W.M.
Masl. - Maslov V.P.
Mason - Mason L.R.
Massart - Massart J.
Massjuk - Massjuk N.P.
Matsubara - Matsubara S.
Matv. - Matvienko A.M.
Matz. - Matzenauer L.
A.Mayer - Mayer A.
Meist. - Meister F.
Melnik. - Melnikova V.
Menegh. - Meneghini G.
Menjajlenko - Menjajlenko P.A.
Mer. - Mereschkowsky C.
Mert. - Mertens G.
Mertz - Mertz D.
Messik. - Messikommer E.
Meunier - Meunier A.
Meyen - Meyen F.J.F.
A.Meyer - Meyer A.
C.Meyer - Meyer C.I.
H.Meyer - Meyer H.
Mich. - Michener J.R.
Michelin - Michelin H.
Middelh. - Middelhoek A.
Mig. - Migula W.
Mikami - Mikami H.
V.Miller - Miller V.
Milov. - Milovanova I.V.
Mink. - Minkiewicz R.
Miq. - Miquel F.A.G.
Missuna - Missuna A.B.
Miyabe - Miyabe K.
Moeb. - Moebius M.
Moew. - Moewus F.
Mohl. - Mohler H.P.
Mohr - Mohr D.M.H.

Moiss. - Moisseeva A.I.
Mölder - Mölder K.
Mont. - Montagne C.
Moore - Moore A.Y.
Mor.-Vod. - Morozova-Vodjanitzkaja N.V.
Mordovez - Mordovez L.F.
Morellet - Morellet L. et J.
Morr. - Morren C.
Moskalenko - Moskalenko B.K.
Muhina - Muhina V.V.
O.Müll. - Müller O.
O.F.Müll. - Müller O.F.
Munier-Chalmas - Munier-Chalmas E.
Mur. - Murray G.
Murchison - Murchison R.I.
Muzaf. - Muzafarov A.M.

Nacc. - Naccari F.L.
Nads. - Nadson G.A.
Näg.(=Naeg.) - Nägeli C.
Nagai - Nagai M.
Nakamura - Nakamura Y.
Nardo - Nardo J.D.
Narozhnych - Narozhnych L.I.
Naum. - Naumann E.
Neale - Neale J.W.
Nees - Nees von Esenbeck (=ab Esenbeck) C.G.
Nich. - Nicholson H.A.
Nielsen - Nielsen E.
Nik. - Nikolaev W.
V.Nikolsk. - Nikolskaja V.D.
Nitzsch - Nitzsch C.L.
Noël - Noël D.
Nordst. - Nordstedt O.
Norm. - Norman G.
Norr. - Norris G.
Nováček - Nováček F.
Nováková - Nováková M.
Novitsch. - Novitschkova L.N.
Nowak. - Nowakowski L.
Nyg. - Nygaard G.
Nyl. - Nylander W.

Obuch. - Obuchova V.M.
Oersted - Oersted S.A. de
Oettli - Oettli M.
Ogilvie-Gordon - Ogilvie-Gordon M.M.
Okam. - Okamura K.
Okuno - Okuno H.
Olivi - Olivi G.
Oltm. - Oltmanns F.
O'Meara - O'Meara E.
Orech. - Orechova V.M.

Orlando - Orlando H.A.
Ostf. - Ostenfeld C.
Östr. - Östrup E.
Ozonk. - Ozonkowa H.

Paasche - Paasche E.
Pal - Pal B.S.
Pal.-Mordv. - Palamar-Mordvintzeva G.M.
Palik - Palik P.
Palla - Palla E.
Pallas - Pallas P.S.
Palmer - Palmer T.
Pant. - Pantočsek J.
Papenf. - Papenfuss G.F.
Param. - Paramonova N.V.
Parke - Parke M.
Pasch. - Pascher A.
Pashkov - Pashkov G.D.
Patrick - Patrick R.
Pauls. - Paulsen O.
Pav. - Pavillard J.
Peck - Peck R.E.
Pellet. - Pelletan J.
Penard - Penard E.
Perag. - Peragallo H. et M.
H.Perag. - Peragallo H.
M.Perag. - Peragallo M.
Perest. - Perestenko L.P.
Peresvetov - Peresvetov A.S.
Perf. - Perfiljev B.V.
Pers. - Persoon C.H.
Perty - Perty M.
Peters - Peters N.
H.Petersen - Petersen H.E.
J.Petersen - Petersen J.
Petit - Petit P.
Ju.Petr. - Petrov Ju.E.
Pevalek - Pevalek I.
Pfender - Pfender J.
Pfitz. - Pfitzer E.
Phillipi - Phillipi P.
Pia - Pia J.
Picc. - Piccone A.
Pitz. - Pitzik G.K.
Playf. - Playfair G.J.
Pochm. - Pochmann A.
Pohreb. - Pohrebnjak I.I.
Poir. - Poiret J.L.M.
Pojarkov - Pojarkov B.V.
J.Poljansk. - Poljansky J.I.
V.Poljansk. - Poljansky V.I.
Ponomar. - Ponomarev A.P.
Popova - Popova T.G.
Popovsk. - Popovskaja G.I.
Poretzky - Poretzky V.S.

Porter - Porter H.C.
Pospelov - Pospelov A.G.
Possn. - Possnova A.N.
Post. - Postels A.
Pott. - Potter M.C.
Pouch. - Pouchet G.
Poucq. - Poucques M. de
Powell - Powell H.T.
Pr.-Lavr.(=Proschk.) - Proschkina-Lavrenko A.I.
Prát - Prát S.
Pres. - Prescott G.W.
Prijm. - Prijmatschenko A.D.
Prinada - Prinada V.D.
Pringsh. - Pringsheim E.G.
Printz - Printz H.
Proschk. - Proschkina A.I.
Prostjakova - Prostjakova L.V.
Pschenin - Pschenin L.N.
Puym. - Puymaly A. de

Queck. - Queckett J.

Raban. - Rabanus B.
Rabenh. - Rabenhorst L.
Racib. - Raciborski M.
Radczenko - Radczenko G.P.
Radugin - Radugin K.Z.
Radzimovsky - Radzimovsky D.
Ralfs - Ralfs J.
Rampi - Rampi L.
Randh. - Randhawa M.S.
Rao - Rao E.B.
Rao - Rao S.R.N.
Rásky - Rásky K.
Rasumov - Rasumov A.
Rattr. - Rattray J.
Reich. - Reichelt H.
Reichenb. - Reichenbach H.G.L.
Reid - Reid C.
Reinb. - Reinbold T.
Reinh. - Reinhardt P.
L.Reinh. - Reinhardt L.
Reinke - Reinke J.
Reinsch - Reinsch P.F.
Reis - Reis O.M.
Reitl. - Reitlinger E.A.
Reker - Reker C.C.
Renault - Renault B.
Reverd. - Reverdin L.
A.Rich. - Richter A.
F.Rich - Rich F.
P.Richt. - Richter P.
Ried. - Riedel W.R.
Rieth - Rieth A.
Ripart - Ripart J.

Roemer - Roemer F.A.
Roll - Roll J.W.
Romaschkina - Romaschkina N.P.
Roper - Roper F.C.S.
Rosan. - Rosanoff S.
Rosenv. - Rosenvinge L.K.
Rostaf. - Rostafinski J.
Roth - Roth A.
Rothe - Rothe
Rothpl. - Rothpletz A.
Rouch. - Rouchijajnen M.I.
Roy - Roy J.
Rub. - Rubina N.V.
Rupr. - Ruprecht F.J.
Ruttn. - Ruttner F.
Rypp. - Ryppowa H.
Rzaeva - Rzaeva S.G.

Sadykov - Sadykov C.
Safon. - Safonova T.A.
Said. - Saidakovsky L.J.
Sakai - Sakai Y.
Saltovsk. - Saltovskaja V.D.
Salzm. - Salzmann P.
Samoilova - Samoilova R.B.
Sandb. - Sandberger G.
Saporta - Saporta L.C.J.G.
Sarj. - Sarjeant W.A.S.
Saund. - Saunders A.
Sauv. - Sauvageau C.
Sav.-Kent (=Kent) - Saville-Kent W.
Savel.-Dolg. - Saveljewa-Dolgowa A.I.
Scagel - Scagel R.F.
Schaarschm. - Schaarschmidt J.
Schadb. - Schadbolt G.
Schafhäutl - Schafhäutl K.E.
Schaikin - Schaikin I.M.
Schamr. - Schamraj I.A.
Schauer - Schauer
Schep. - Schepeleva E.D.
Scherf. - Scherffel A.
Schewiakoff - Schewiakoff W.
Schibcova - Schibcova K.G.
Schiff. - Schiffner V.
Schill. - Schiller J.
Schilling - Schilling A.J.
Schimp. - Schimper W.P.
Schipitz. - Schipitzin V.A.
Schirsch. - Schirschov P.P.
Schkorb. - Schkorbatov L.A.
Schl. - Schleicher J.C.
J.Schm. - Schmidt J.
M.Schm. - Schmidt M.
Schmarda - Schmarda S.K.
Schmid - Schmid G.
Schmidle - Schmidle W.
Schmitz - Schmitz F.
Schmula - Schmula
Schönf. - Schönfeldt H.
Schrank - Schrank F. von Paula
Schröd. - Schröder B.
Schröt. - Schröter C.
Schub. - Schubert R.
Schultze - Schultze M.
Schulz - Schulz P.
Schum. - Schumann J.
Schumenko - Schumenko S.P.
Schussnig - Schussnig B.
Schütt - Schütt F.
Schuttl. - Schuttleworth R.J.
Schvetzov - Schvetzov M.S.
Schwabe - Schwabe G.H.
Schwarz - Schwarz E.H.
Sederh. - Sederholm J.J.
Segi - Segi T.
Sel. - Seligo A.
Semina - Semina H.J.
Senn - Senn G.
Şerban. - Şerbanescu G.
Setch. - Setchell W.A.
Shantz - Shantz H.L.
Shaw - Shaw W.R.
Sheshuk. - Sheshukova V.S.
Sheshuk.-Poretzk.(=Sheshuk.) - Sheshukova-Poretzkaja V.S.
Shihira - Shihira I.
Silva - Silva P.C.
Simonsen - Simonsen R.
Singh - Singh R.N.
Sinova - Sinova E.S.
Sirod. - Sirodot S.
Sjöstedt - Sjöstedt G.
Skabitsch. - Skabitschevsky A.P.
Skogsb. - Skogsberg T.
Skottsb. - Skottsberg C.
Skuja - Skuja H.
Skv. - Skvortzow B.W.
G.Sm. - Smith G.M.
H.L.Sm. - Smith H.L.
J.Sm. - Smith J.E.
W.Sm. - Smith W.
Smirn. - Smirnov S.
Snow - Snow J.
Söderström - Söderström J.
Sol. - Solier A.J.J.
Soland. - Solander D.
Solms-Laub. - Solms-Laubach H.
Sommerf. - Sommerfelt S.C.
Sond. - Sonder W.
Sperk - Sperk G.
Spreng. - Sprengel K.

St. - Sturt G.
Stache - Stache G.
Stackh. - Stackhouse J.
Stanl. - Stanley E.A.
Starmach - Starmach K.
Starr - Starr R.C.
Stein - Stein F.R.
Steinecke - Steinecke F.
Steinmann - Steinmann G.
Step. - Stepanov V.V.
Stepanova(=M.Stp.) - Stepanova M.V.
Step. - Stephens E.
Sternb. - Sternberg G.
Steur - Steur A.
Stizenb. - Stizenberger E.
Stockm. - Stockmayer S.
Stöhr - Stöhr E.
Stokes - Stokes A.C.
Stoll. - Stolley E.
Stoppani - Stoppani A.
Stover - Stover L.E.
Str. - Stradner H.
Straub - Straub E.W.
Streh. - Strehlow K.
Streln. - Strelnikova N.I.
Ström(=Strøm) - Ström K.M.
Strömf. - Strömfelt H.F.
Stuwe - Stuwe W.
Suchlandt - Suchlandt O.
Suchov. - Suchovejeva M.V.
Suhan. - Suhanova I.N.
Suhr - Suhr J.N.
Sull. - Sullivan F.R.
Sur. - Suringar W.F.R.
Suriray - Suriray
Svedelius - Svedelius N.E.
Sw. - Swezy O.
Swatman - Swatman C.C.
Swir. - Swirenko D.O.
Szaf. - Szafer W.

Takano - Takano H.
Takayama - Takayama T.
Takeda - Takeda H.
Tan Sin Hok - Tan Sin Hok
Tandy - Tandy G.
Tappan - Tappan H.
Tarn. - Tarnogradsky D.A.
Taylor - Taylor W.R.
Tchuv. - Tchuvashov B.I.
Teil. - Teiling E.
Temp. - Tempere J.
Teod. - Teodoresco E.C.
W.Thom. - Thomson W.
R.Thompson - Thompson R.H.
Thuill. - Thuillier J.L.
Thunm. - Thunmark S.
Thur. - Thuret G.
Thw. - Thwaites G.H.K.
Tiffany - Tiffany L.H.
Tild. - Tilden J.
Tim. - Timofeev B.V.
Titor. - Titorenko T.N.
Tokida - Tokida J.
Torka - Torka V.
Towe - Towe K.
Transeau - Transeau E.N.
Trentep. - Trentepohl J.F.
Trev. - Trevisan V.B.A.
Troitzk. - Troitzkaja E.N.
Trom. - Tromentel M.E. de
Tschel. - Tschelmokaeva S.S.
Tscher. - Tscheremissinova E.A.
Tschern. - Tschernov V.K.
Tschist. - Tschistjakov L.D.
Tseng - Tseng C.K.
Tsumura - Tsumura K.
D.Turn. - Turner D.
W.Turn. - Turner W.
Turp. - Turpin P.J.F.
Turra - Turra A.

Ueda - Ueda K.
Uherkov. - Uherkovich G.
Ulrich - Ulrich E.O.
Ung. - Unger F.
Uschakova - Uschakova M.G.
Ussatsch. - Ussatschev P.I.
Ustjuzhan. - Ustjuzhanina L.A.
Uterm. - Utermöhl H.

V.H. - Van Heurck H.
Vahl - Vahl M.
Vail. - Vailionis L.
Van Breem. - Van Breemen P.J.
Van Goor - Van Goor A.C.J.
Vanhöffen - Vanhöffen E.
Varma - Varma C.R.
Vauch. - Vaucher J.P.
Vaul. - Vaulina E.N.
Veksch. - Vekschina V.N.
Vell. - Velley T.
Vilh. - Vilhelm J.
Villars - Villars M.
Vinassa de Regny - Vinassa de Regny P.
Vinogr. - Vinogradova K.L.
Vir. - Virieux J.M.
Viret - Viret L.
Visch. - Vischer W.
Vischnevsky - Vischnevsky A.V.
Vladim. - Vladimirova K.S.
Voigt - Voigt M.

Volk. - Volkov L.I.
Vologd. - Vologdin A.G.
Voron. - Voronova L.G.
Vouk - Vouk V.
V.Voz. - Vozzhinskaja V.B.
Vozzhen. - Vozzhennikova T.P.

Waern - Waern M.
Wahlenb. - Wahlenberg G.
Walcott - Walcott C.D.
Wall. - Wallich G.C.
Wallm. - Wallman J.H.
Wallr. - Wallroth F.W.
Walz - Walz J.
Wang - Wang Shui
Ward - Ward N.B.
Warm. - Warming E.
Wartm. - Wartmann F.B.
O.We. - Wetzel O.
Web. - Weber F.
Web. van Bos. - Weber van Bosse
Weiler - Weiler H.
Weisse - Weisse J.F.
Welwitsch - Welwitsch F.
West - West W.
G.S.West - West G.S.
T.West - West T.
W. et G.S.West - West W. et West G.S.
Weth. - Wethered E.
Whitfield - Whitfield R.P.
Whitt. - Whitting P.
Wigg. - Wiggers F.H.
Will. - Williams G.L.
Willd. - Willdenow C.L.
Wille - Wille N.
Williamson - Williamson W.C.
Wills - Wills A.W.
Wisl. - Wislouch S.M.
Witt - Witt O.

Wittr. - Wittrock V.B.
Wlad.(=Vladim.) - Wladimirova K.S.
Wolle - Wolle F.
Wollenw. - Wollenweber W.
Wollny - Wollny R.
Woł.osz. - Woł.oszyńska J.
Wood. - Woodward T.J.
A.Wood - Wood A.
E.Wood - Wood E.J.F.
H.Wood - Wood H.C.
Woronich. - Woronichin N.N.
Woronin - Woronin M.
Wray - Wray J.L.
Wright - Wright E.P.
Wulf. - Wulfen F.X.
Wulff - Wulff A.
Wurtz - Wurtz A.
Wyss. - Wyssotzky A.V.

Yamada - Yamada Y.
Yendo - Yendo K.

Zabelina - Zabelina M.M.
Zaberzh. - Zaberzhinskaja E.B.
Zach. - Zacharias O.
Zaik. - Zaikina N.G.
Zakrz. - Zakrzewsky V.S.
Zalessky - Zalessky M.D.
Zanard. - Zanardini G.
Zederb. - Zederbauer E.
Zender - Zender A.
Zenjuk - Zenjuk V.V.
Z.Zhur. - Zhuravleva Z.
A.Zin. - Zinova A.
Ziz - Ziz J.B.
Zopf - Zopf W.
Zukal - Zukal H.
Zwetkow - Zwetkow W.N.
Zyk. - Zykoff W.P.

ВОДОРОСЛИ

Указатель к "Библиографии советской литературы по водорослям 1961-1970"

Редактор Е.А. Кашкина

* * *

Подписано к печати 29 XII 1982 г. Формат 60x84/16.
Объем 28,75 печ. л.; 41,72 уч.-изд. л. Тираж 800 экз.
Издательский отдел Библиотеки АН СССР (199164, Ленинград, Биржевая л., 1). Зак. № 456. Репродукция ЛПИ Библиотеки АН СССР (199164, Ленинград, Биржевая л., 1). Цена 1 р. 70 к.

1 р. 70 к.

8024