

СООБЩЕНИЯ

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THE CHECKLIST OF THE MARINE ALGAE FROM SPITSBERGEN

К. Л. ВИНОГРАДОВА. АННОТИРОВАННЫЙ СПИСОК ВИДОВ МОРСКИХ ВОДОРΟΣЛЕЙ ШПИЦБЕРГЕНА

The checklist of all published and new records of marine *Chlorophyta*, *Xanthophyta*, *Phaeophyta* and *Rhodophyta* from Spitsbergen is given. It includes 142 species. 18 species are reported for the first time.

This paper is a compilation of all available knowledge on the species composition of the benthic marine algae of Spitsbergen. It is based on previously published records and on unpublished data. All specimens of the Spitsbergen algae from the Herbarium of the Komarov Botanical Institute (LE), collections of the Institute of Oceanology of the Polish Academy of Sciences from Hornsund fjord and material from Isfjorden, collected by the author during summer 1990 have been studied.

A total of 142 species is listed, consisting of 37 *Chlorophyta*, 1 *Xanthophyta*, 53 *Phaeophyta* and 51 *Rhodophyta*. No taxon below the rank of species is included. 71 species have been found and studied by the author. 18 species are reported for the first time. Thus the present list includes 51 species more than the most detailed catalogue of G. South and I. Tittley (1986). Nevertheless these data should not be considered as final but rather as necessary basis for further taxonomic and floristic investigations on Spitsbergen.

Arrangement of the list. The sequence of families of the *Phaeophyta* and *Rhodophyta* is as in the work of South and Tittley (1986). The green algae are arranged in accordance with К. Л. Виноградова (1979). Genera are listed alphabetically under each family, with species listed alphabetically within genera. A question mark preceding a species name indicates that its taxonomic position is questionable. A question mark after name indicates that an occurrence of the species in Spitsbergen is doubtful. Asterisks (*; **) indicate species studied by author (species found for the first time are marked off by two asterisks). Each species is annotated with literature references, some taxonomic comments and records of distribution (when it is known). Distribution on south (S), west (W), north (N) and east (E) coast of Spitsbergen is given directly following the name. The location is indicated only for species reported for the first time.

*Chlorophyta**Cladophoraceae*

* «*Chaetomorpha melagonium*» (Web. et Mohr) Kütz. S W N. — Kjellman, 1883; Summerhayes, Elton, 1923; Svendsen, 1959, Зинова, 1961a; South, Tittley, 1986; Florczyk, Latała, 1989. *Conferva melagonium* — Agardh, 1868a; Heuglin, 1874; Kjellman, 1875a, 1877.

** *C. tortuosa* (Dillw.) Kleen. Hornsund fjord.

For systematic position of this species see: Виноградова (1986 : 16).

? *Cladophora diffusa* (Roth) Harv. N. — Kjellman, 1877, 1883.

Doubtful name, see: C. Hoek (1963 : 223).

C. hutchinsiae (Dillw.) Kütz. ? — South, Tittley, 1986.

C. laetevirens (Dillw.) Kütz. ? — South, Tittley, 1986.

** *C. sericea* (Huds.) Kütz. Isfjorden.

Rhizoclonium pachydermum Kjellm. W. — Зинова, 1961a.

R. riparium (Roth) Harv. W N. — Kjellman, 1877, 1883; Svendsen, 1959; South, Tittley, 1986. *R. rigidum* — Kjellman, 1883.

Does not include *Rhizoclonium tortuosum* (Dillw.) Kütz. See: Виноградова (1986 : 20).

Chlorochytriaceae

* *Chlorochytrium inclusum* Kjellm. S W N. — Kjellman, 1883; Зинова, 1961a.

Codiolum nordenskjoldianum Kjellm. N. — Kjellman, 1877, 1883.

Probably = *Codiolum gregarium*.

Characiaceae

Characium marinum Kjellm. N. — Kjellman, 1877, 1883.

Ulothrichaceae

? *Ulothrix discifera* Kjellm. N. — Kjellman, 1877.

Probably = *Rosenvingiella polyrhiza*, see: F. Kjellman (1877, figs. 10—14).

* *U. flacca* (Dillw.) Thur. in Le Jol. W. — South, Tittley, 1986; Florczyk, Latała, 1989.

* *U. implexa* (Kütz.) Kütz. W. — Florczyk, Latała, 1989.

U. pseudoflacca Wille. W. — Svendsen, 1959; Florczyk, Latała, 1989.

Probably conspecific with *Ulothrix flacca*, see: G. Lokhorst (1978 : 207).

Chaetophoraceae

? *Chaetophora maritima* Kjellm. W N. — Kjellman, 1877, 1883; South, Tittley, 1986.

Ulvellaceae

** *Acrochaete repens* N. Pringsh. Isfjorden.

Pringsheimiella scutata (Reinke) Hoehnel ex Marchew. W. — Florczyk, Latała, 1989.

** *Pseudopringsheimia confluens* (Rosenv.) Wille. Isfjorden.

** *Syncoryne reinkei* Nielsen et Pedersen. Isfjorden.

Acrosiphoniaceae

Acrosiphonia arcta (Dillw.) J. Ag. S W N. — Florczyk, Latała, 1989. *Conferva arcta* and *C. glomerata marina* — Agardh, 1862, 1868a. *Cladophora arcta* — Heuglin, 1874; Kjellman, 1875a, 1877; Summerhayes, Elton, 1923. *Spongomorpha arcta* — Kjellman, 1883; South, Tittley, 1986.

** *A. flagellata* Kjellm. Isfjorden.

** *A. incurva* Kjellm. Isfjorden.

* *A. sonderi* (Kütz.) Kornm. W. — *A. duriuscula* — Florczyk, Latała, 1989.

* *Urospora elongata* (Rosenv.) Hagem. W. — Florczyk, Latała, 1989.

U. penicilliformis (Roth) Aresch. S W N. — Kjellman, 1877, 1883; Svendsen, 1959; Зинова, 1961a; South, Tittley, 1986; Florczyk, Latała, 1989. *Conferva hormoides* — Agardh, 1862, 1968a; Heuglin, 1874.

U. wormskjoldii (Mert. in Hornem.) Rosenv. W. — South, Tittley, 1986; Florczyk, Latała, 1989.

Monostromataceae

Blidingia marginata (J. Ag.) Dang. — South, Tittley, 1986.

Presumably related to *Blidingia minima*.

B. minima (Näg ex Kütz.) Kylin [incl. f. *subsalsa* (Kjellm.) Vinogr.]. S W N. — Florczyk, Latała, 1989. *B. ? subsalsa* — South, Tittley, 1986. *Enteromorpha clathrata*, *E. confervoides* — Agardh, 1868a. *E. arctica* — Agardh, 1882—1883. *E. clathrata* f. *uncinata* — Kjellman, 1877. *E. micrococca* f. *subsalsa* — Kjellman, 1883.

For comments on taxonomy and nomenclature of f. *subsalsa* see: Виноградова (1974 : 51), of J. Agardh's *E. arctica* — see: C. Bliding (1963 : 39).

? *Monostroma lubricum* Kjellm. W N. — Kjellman, 1877, 1883; South, Tittley, 1986.

Probably this record is related to *Monostroma grevillei* (Thur.) Wittr.

Ulvaceae

Enteromorpha compressa (L.) Grev. W N. — Kjellman, 1883; Svendsen, 1959; South, Tittley, 1986. *E. intestinalis* — Agardh, 1862, 1968a. *E. intestinalis* f. *compressa* — Kjellman, 1877.

Most probably included in *E. prolifera*.

* *E. prolifera* (O. F. Müll.) J. Ag. W. — Florczyk, Latała, 1989.

Percursaria percursa (Ag.) Bory. W. — South, Tittley, 1986. *Enteromorpha percursa* — Postels, Ruprecht, 1840. *Diplonema percursa* — Kjellman, 1883.

* *Ulva lactuca* L. S W N. — Kjellman, 1877; South, Tittley, 1986. *U. latissima* — Kjellman, 1875a. *U. crassa* — Kjellman, 1877, 1883.

See: Kjellman (1883 : 293), Bliding (1968 : 544).

* *Ulvaria obscura* (Kütz.) Gayral. W N. — South, Tittley, 1986; Florczyk, Latała, 1989. *Monostroma fuscum* and *M. blyttii* — Kjellman, 1877, 1883; Зинова, 1961a. *Ulva lactuca* — Agardh, 1868a.

Prasiolaceae

Prasiola crispa (Lightf.) Menegh. — Lagerstedt, 1869; Heuglin, 1874. *Ulva crispa* — Agardh, 1968a?

P. fluviatilis (Sommerf.) Aresch. ? — Lagerstedt, 1869.

Xanthophyta

Vaucheriaceae

** *Vaucheria subsimplex* P. Crouan et H. Crouan. Hornsund fjord.

Phaeophyta

Ectocarpaceae

Ectocarpus confervoides (Roth) Le Jol. W. — Kjellman, 1877, 1883; Simmons, 1906; Зинова, 1953; Svendsen, 1959.

Probably = *Ectocarpus siliculosus*.

* *E. siliculosus* (Dillw.) Lyngb. S W. — Agardh, 1868a; Зинова, 1961a; South, Tittley, 1986; Florczyk, Latała, 1989.

Feldmannia irregularis (Kütz.) Hamel — South, Tittley, 1986.

** *Gononema aecidioides* (Rosenv.) P. Pedersen. Isfjorden.

Hincksia ovata (Kjellm.) Silva. W. — South, Tittley, 1986. *Ectocarpus ovatus* — Kjellman, 1877, 1883; Simmons, 1906.

** *Phaeostroma pustulosum* Kuck. Isfjorden.

* *Pilayella littoralis* (L.) Kjellm. S W N. — Kjellman, 1875a, 1877, 1883; Simmons, 1906; Summerhayes, Elton, 1923; Svendsen, 1959; Зинова, 1961a; Dizerbo, 1969; South, Tittley, 1986; Florczyk, Latała, 1989. *Ectocarpus littoralis* — Agardh, 1868a. *E. firmus* — Heuglin, 1874.

* *P. varia* Kjellm. W N. — Kjellman, 1883; Simmons, 1906; Зинова, 1953; Svendsen, 1959; South, Tittley, 1986. *Ectocarpus vidovichii* — Heuglin, 1874.

See: P. Pedersen (1984 : 16).

Pleurocladia lacustris A. Braun — South, Tittley, 1986.

** *Sorocarpus micromorus* (Bory) Silva. Isfjorden.

Ralfsiaceae

Pseudolithoderma extensum (P. Crouan et H. Crouan) Lund. W N. — South, Tittley, 1986. *Lithoderma extensum* — Зинова, 1953. *L. fatiscens* — Kjellman, 1877, 1883; Simmons, 1906. *Ralfsia* sp. — Kjellman, 1875a.

* *Pseudolithoderma rosenvingii* (Waern) Lund. W. — South, Tittley, 1986.

Myrionemataceae

** *Dermatocelis laminariae* Rosenv. Isfjorden.

** *Myrionema corunnae* Sauv. Isfjorden.

Elachistaceae

* *Elachista fucicola* (Velley) Aresch. W N. — Kjellman, 1877, 1883; Simmons, 1906; Зинова, 1953; Svendsen, 1959 (incl. *E. lubrica*); South, Tittley, 1986 (incl. *E. lubrica*); Florczyk, Latała, 1989 (incl. *E. lubrica*).

* *E. lubrica* Rupr. W N. — Kjellman, 1875a, 1877, 1883; Зинова, 1953.

Systematic position uncertain. Pedersen (1979, 1984) considers this species as conspecific with *E. fucicola*.

Elachista stellaris Aresch. ? — South, Tittley, 1986. *Symphoricoccus stellaris* — Зинова, 1961a.

Presumably record of A. Д. Зинова (1961a) is dubious. One of two specimens that she refers to (N 15) is misidentified, another (N 26) — is absent.

Chordariaceae

* *Chordaria flagelliformis* (O. F. Müll.) Ag. S W N. — Agardh, 1862, 1868a; Kjellman, 1877, 1883; Simmons, 1906; Зинова, 1953; Svendsen, 1959; South, Tittley, 1986; Florczyk, Latała, 1989.

Mesogloia vermiculata (Smith) Le Jol. ? W. — Svendsen, 1959 (?); South, Tittley, 1986.

** *Saundersella simplex* (Saund.) Kylin. Isfjorden. — Виноградова, 1995.

Probably this species was recorded by P. Svendsen (1959) as *Asperococcus* sp.

Tilopteridaceae

* *Haplospora globosa* Kjellm. W N. — Kjellman, 1877, 1883; Svendsen, 1959; South, Tittley, 1986. *Scaphospora arctica* — Simmons, 1906; Зинова, 1961a.

Sphacelariaceae

* *Sphacelaria arctica* Harv. W N. — Kjellman, 1875a, 1877, 1883; Зинова, 1953; Prud'homme van Reine, 1982; South, Tittley, 1986; Florczyk, Latała, 1989. *S. racemosa* — Simmons, 1906 (probably).

* *S. plumosa* Lyngb. S W N. — Agardh, 1862, 1968a; South, Tittley, 1986; Florczyk, Latała, 1989. *Chaetopterus plumosa* — Kjellman, 1875a, 1877, 1883; Simmons, 1906; Зинова, 1953, 1961a; Svendsen, 1959.

S. radicans (Dillw.) Ag. — Зинова, 1953; Prud'homme van Reine, 1982; South, Tittley, 1986.

Desmarestiaceae

* *Desmarestia aculeata* (L.) Lamour. W N. — Postels, Ruprecht, 1840; Agardh, 1862, 1868a,b; Heuglin, 1874; Kjellman, 1875a, 1877, 1883; Reinsch, 1888; Simmons, 1906; Summerhayes, Elton, 1923; Зинова, 1953, 1961a; Taylor, 1954; Svendsen, 1959; Киреева, 1964; Dizerbo, 1969; South, Tittley, 1986; Florczyk, Latała, 1989.

* *D. viridis* (O. F. Müll.) Lamour. W N. — Kjellman, 1875a; Simmons, 1906; Зинова, 1953; Svendsen, 1959; Dizerbo, 1969; South, Tittley, 1986. *Dichloria viridis* — Agardh, 1868b; Kjellman, 1877, 1883.

Striariaceae

Isthmoplea sphaerophora (Carm.) Kjellm. W. — Svendsen, 1959; South, Tittley, 1986.

* *Stictyosiphon tortilis* (Rupr.) Reinke. W N. — Зинова, 1953; South, Tittley, 1986. *S. subarticulatus* — Зинова, 1953. *Phloeospora tortilis* and *P. subarticulata* — Kjellman, 1877, 1883; Simmons, 1906; Summerhayes, Elton, 1923. *Dictyosiphon* sp. — Kjellman, 1875a.

Delamareaceae

Delamarea attenuata (Kjellm.) Rosenv. W N E. — Зинова, 1953, 1954; Svendsen, 1959; South, Tittley, 1986. *Scytosiphon attenuatus* — Kjellman, 1883. *Dictyosiphon (Coilonema) chordaria* f. *simpliciuscula* — Kjellman, 1877.

Punctariaceae

Punctaria latifolia Grev. W. — South, Tittley, 1986. *P. plantaginea* — Kjellman, 1877, 1883; Зинова, 1953; Simmons, 1906.

Pogotrichaceae

Omphalophyllum ulvaceum Rosenv. — А. Зинова, 1953; Е. Зинова, 1956.

Dictyosiphonaceae

Dictyosiphon chordaria Aresch. W. — Kjellman, 1877; Зинова, 1953; Svendsen, 1959; South, Tittley, 1986.

D. cf. corymbosus Kjellm. W. — Svendsen, 1959.

* *D. foeniculaceus* (Huds.) Grev. W N. — Kjellman, 1877, 1883; Simmons, 1906; Summerhayes, Elton, 1923; Зинова, 1953. Svendsen, 1959; South, Tittley, 1986; Florczyk, Latała, 1989.

D. hippuroides (Lyngb.) Kütz. W N. — Kjellman, 1877, 1883; Зинова, 1953.

Probably = *D. foeniculaceus* judging from the specimen of Kjellman from Fairhavn.

* *D. hispidus* Kjellm. W N. — Kjellman, 1883; Simmons, 1906; Зинова, 1953.

D. foeniculaceus subsp. *hispidus* — Kjellman, 1877.

All species of *Dictyosiphon* in the Spitsbergen flora require taxonomic revision.

Scytosiphonaceae

* *Petalonia zosterifolia* (Reinke) O. Kuntze. W. — Florczyk, Latała, 1989.

Scytosiphon lomentaria (Lyngb.) Link. ? — South, Tittley, 1986.

Chordaceae

* *Chorda filum* (L.) Lamour. W N. — Kjellman, 1877, 1883; Simmons, 1906; Зинова, 1953; Svendsen, 1959; South, Tittley, 1986. *Scytosiphon filum* — Agardh, 1862, 1868b.

* *C. tomentosa* Lyngb. W. — Svendsen, 1959; South, Tittley, 1986; Florczyk, Latała, 1989.

Laminariaceae

* *Laminaria digitata* (Huds.) Lamour. W N. — Postels, Ruprecht, 1840; Agardh, 1862, 1868a, b; Kjellman, 1875a, 1877, 1883; Simmons, 1906; Зинова, 1953, 1961a; Dizerbo, 1969; South, Tittley, 1986; Florczyk, Latała, 1989. *L. cucullata* — Dizerbo, 1969; Florczyk, Latała, 1989. *L. hyperborea* — Dizerbo, 1969. *L. fissilis* — Agardh, 1868b; Kjellman, 1877; Зинова, 1953.

L. nigripes J. Ag. — Agardh, 1868b; Kjellman, 1877; Щапова, 1948; Зинова, 1953.

Relationship with *L. digitata* requires further investigation.

* *L. saccharina* (L.) Lamour W N E. — Postels, Ruprecht, 1840; Agardh, 1868a; Heuglin, 1874; Зинова, 1953, 1961a; Svendsen, 1959; South, Tittley, 1986; Florczyk, Latała, 1989. *L. agardhii* — Kjellman, 1877, 1883; Simmons, 1906; Щапова, 1948; Зинова, 1953. *L. caperata* — Agardh, 1868a; Kjellman, 1875a. *L. longicuris* — Agardh, 1862, 1868a.

* *L. solidungula* J. Ag. W N. — Agardh, 1868a,b; Kjellman, 1875a, 1877, 1883; Simmons, 1906; Зинова, 1953; Taylor, 1954; Svendsen, 1959; Dizerbo, 1969; South, Tittley, 1986; Florczyk, Latała, 1989.

* *Sacchorhiza dermatodea* (De la Pyl.) J. Ag. W N. — Agardh, 1868b; Kjellman, 1877; South, Tittley, 1986. *Phyllaria dermatodea* — Kjellman, 1883; Simmons, 1906; Зинова, 1953; Svendsen, 1959. *P. lorea* — Kjellman, 1883; Зинова, 1953; Florczyk, Latała, 1989. *Laminaria dermatodea* — Agardh, 1868a.

Alariaceae

* *Alaria esculenta* (L.) Grev. W N. — Agardh, 1968a; Kjellman, 1875a, 1883;

Simmons, 1906; Зинова, 1953; South, Tittley, 1986. *A. dolichorachis* — Yendo, 1919.

? *A. grandifolia* J. Ag. W N. — Kjellman, 1877, 1883; Simmons, 1906; Yendo, 1919; Зинова, 1953; Svendsen, 1959; Widdowson, 1971; Florczyk, Latała, 1989.

Most probably = *A. esculenta*.

? *A. membranacea* J. Ag. S W. — Kjellman, 1877, 1883; Simmons, 1906; Зинова, 1953, 1961a; Florczyk, Latała, 1989. *A. pylaii* — Agardh, 1868a,b; Зинова, 1953.

Most probably conspecific with *A. esculenta*.

Fucaceae

* *Ascophyllum nodosum* (L.) Le Jol. W N. — Simmons, 1906; Зинова, 1953; Taylor, 1954; South, Tittley, 1986. *Ozothalia nodosa* — Kjellman, 1877, 1883. *Fucodium nodosum* — Agardh, 1868a.

Fucus ceranoides L. S W. — Kjellman, 1883; South, Tittley, 1986. *F. Harveyanus* — Agardh, 1868a,b.

* *F. distichus* L. emend. Powell. W N. — Svendsen, 1959; Dizerbo, 1969; South, Tittley, 1986; Florczyk, Latała, 1989. *F. bursigerus* — Agardh, 1868b. *F. evanescens* — Agardh, 1868b; Kjellman, 1875a, 1877, 1883; Зинова, 1953, 1961a; Taylor, 1954; South, Tittley, 1986. *F. inflatus* — Simmons, 1906. *F. miclonensis* — Agardh, 1868b; Kjellman, 1877; Зинова, 1953. *F. vesiculosus* — Sommerfelt, 1832; Agardh, 1862, 1868a.

F. serratus L. — Agardh, 1868a; Kjellman, 1877, 1883; Simmons, 1906; Summerhayes, Elton, 1923; Зинова, 1953; South, Tittley, 1986.

F. vesiculosus L. ? — Postels, Ruprecht, 1840; South, Tittley, 1986.

See: Kjellman (1883 : 200).

Rhodophyta

Erythropeltidaceae

Erythrotrichopeltis boryana (Mont.) Kornm. — South, Tittley, 1986.

Porphyropsis coccinea (J. Ag. ex Aresch.) Rosenv. — South, Tittley, 1986.

Bangiaceae

Porphyra amplissima (Kjellm.) Setch. et Hus. ? W. — Зинова, 1961a; South, Tittley, 1986.

Specimen (N 16) which Зинова (1961a) refers to is absent. Probably = *P. miniata*. Requires reinvestigation.

* *P. miniata* (Ag.) Ag. W N. — Kjellman, 1875b; Agardh, 1882—1883; Simmons, 1906; Зинова, 1955; Svendsen, 1959; South, Tittley, 1986. *Diploderma miniatum* — Kjellman, 1883.

Audouinellaceae

* *Audouinella efflorescens* (J. Ag.) Papenf. W N. — Зинова, 1955; South, Tittley, 1986. *Chantransia efflorescens* — Kjellman, 1875b; Simmons, 1906.

* *A. membranacea* (Magnus) Papenf. W. — South, Tittley, 1986. *Rhodochorton membranaceum* — Svendsen, 1959.

** *A. parvula* (Kylin) Dixon. Isfjorden.

** *A. polyblasta* (Rosenv.) J. Price. Isfjorden.

* *A. purpurea* (Lightf.) Woelk. W N. — South, Tittley, 1986. *Rhodochorton inter-*

medium — Kjellman, 1883. *R. purpureum* — Зинова, 1955. *R. rothii* — Kjellman, 1883; Simmons, 1906. *Thamnidium intermedium*, *T. rothii* — Kjellman, 1875b.

* *A. spetsbergensis* (Kjellm.) Woelk. W N. — South, Tittley 1986. *Rhodochorton mesocarpum* f. *penicilliformis* — Kjellman, 1875b. *R. penicilliforme* — Simmons, 1906; Зинова, 1955. *R. spetsbergense* — Kjellman, 1883; Florczyk, Latała, 1989. *Thamnidium mesocarpum* f. *penicilliformis*, *T. spetsbergense* — Kjellman, 1875b.

Palmariaceae

* *Devaleraea ramentacea* (L.) Guiry. S W N. — South, Tittley, 1986. *Gracilaria confervoides* — Agardh, 1868a. *Halosaccion ramentaceum* — Agardh, 1862, 1868a; Kjellman, 1875a,b, 1883; Simmons, 1906; Зинова, 1955, 1961a; Svendsen, 1959; Florczyk, Latała, 1989.

Most probably includes *Halosaccion arcticum* A. Zin. recorded for Spitsbergen by А. Д. Зинова (1955) and I. Florczyk, A. Latała (1989).

* *Palmaria palmata* (L.) O. Kuntze. S W N. — South, Tittley, 1986; Florczyk, Latała, 1989. *Halymenia palmata* — Postels, Ruprecht, 1840. *Rhodymenia palmata* — Agardh, 1862, 1868a,b; Kjellman, 1875a,b, 1883; Зинова, 1955, 1961a; Svendsen, 1959; Dizerbo, 1969.

Dumontiaceae

Dilsea carnosa (Schmidel) Kuntze. W. — South, Tittley, 1986. *D. edulis* — Simmons, 1906; Зинова, 1955; Svendsen, 1959. *Sarcophyllis edulis* — Kjellman, 1883. *Schizymenia edulis* — Kjellman, 1875b.

D. integra (Kjellm.) Rosenv. W N. — Simmons, 1906; Зинова, 1955; Svendsen, 1959; South, Tittley, 1986. *Kallymenia? integra* — Kjellman, 1875b. *Neodilsea integra* — Зинова, 1961a,б. *Sarcophyllis arctica* — Kjellman, 1883.

Dumontia contorta (Gmel.) Rupr. W. — Florczyk, Latała, 1989.

Choreocolacaceae

** *Harveyella mirabilis* (Reinsch) Schmitz et Reinke. Isfjorden.

Kallymeniaceae

Euthora cristata (Ag.) Ag. — Agardh, 1862, 1868a; Kjellman, 1875a,b, 1883; Simmons, 1906; Svendsen, 1959. *Callophyllis cristata* — South, Tittley, 1986; Florczyk, Latała, 1989.

Hildenbrandiaceae

Hildenbrandia rubra (Sommerf.) Menegh. W. — South, Tittley, 1986. *H. prototypus* — Зинова, 1955; Svendsen, 1959. *H. rosea* — Kjellman, 1875b, 1883; Simmons, 1906.

Corallinaceae

Clathromorphum compactum (Kjellm.) Foslie — Simmons, 1906. *Lithothamnion compactum* — Зинова, 1955.

Leptophytum foecundum (Kjellm.) Adey. ? — *Lithothamnion foecundum* — Зинова, 1955.

Lithophyllum fasciculatum (Lamarck) Foslie — South, Tittley, 1986.

? *Lithothamnion flavescens* Kjellm. — Зинова, 1955.

Lithothamnion glaciale Kjellm. W N. — Kjellman, 1883; Simmons, 1906;

ЗИНОВА, 1955; South, Tittley, 1986. *L. calcareum* — Kjellman, 1875a. *L. colliculosum* — Simmons, 1906; ЗИНОВА, 1955. *L. fasciculatum* — Kjellman, 1875b.

Phymatolithon calcareum (Pall.) Adey. ? — *Lithothamnion calcareum* — ЗИНОВА, 1955.

See: *Lithothamnion glaciale*.

Phymatolithon polymorphum (L.) Foslie — South, Tittley, 1986.

Pneophyllum lejolisii (Rosan.) Chamberlain, N. — South, Tittley, 1986. *Melobesia lejolisii* — Kjellman, 1883. *Melobesia* sp. — Kjellman, 1875b.

Titanoderma pustulatum (Lamour.) Woelk. — South, Tittley, 1986.

Phylloporaceae

* *Ahnfeltia plicata* (Huds.) Fries. W. — Kjellman, 1875b, 1883; ЗИНОВА, 1955; South, Tittley, 1986.

* *Phyllophora truncata* (Pall.) A. Zin. S W N. — South, Tittley, 1986. *P. brodiaei*, *P. interrupta* — Agardh, 1862, 1868a; Heuglin, 1874; Kjellman, 1875a, b, 1883; Simmons, 1906; Taylor, 1954; ЗИНОВА, 1955; Svendsen, 1959.

Furcellariaceae

Furcellaria lumbricalis (Huds.) Lamour. — South, Tittley, 1986. *F. fastigiata* — Agardh, 1868a; Kjellman, 1875b, 1883; Simmons, 1906; ЗИНОВА, 1955.

Solieriaceae

Turnerella pennyi (Harv.) Schmitz. W N. — Simmons, 1906; South, Tittley, 1986. *T. rosacea* — Simmons, 1906. *T. septentrionalis* — ЗИНОВА, 1955. *Halymenia rosacea* — Agardh, 1868b; Kjellman, 1875b. *Kallymenia rosacea* — Kjellman, 1883. *K. septentrionalis* — Kjellman, 1883.

See: G. South and R. Hooper (1972 : 221).

Cystocloniaceae

Fimbrifolium dichotomum (Lepech.) Hansen. S W N. — South, Tittley, 1986. *Rhodophyllis dichotoma* — Kjellman, 1883; Simmons, 1906; Svendsen, 1959; Florczyk, Latała, 1989. *R. veprecula* — Agardh, 1868a; Kjellman, 1875b.

Rhodymeniaceae

Rhodymenia pertusa (P. et R.) J. Ag. ? — Kjellman, 1875b, 1883; Simmons, 1906; South, Tittley, 1986.

Most probably = *Palmaria palmata*.

Ceramiiaceae

** *Ceramium circinatum* (Kütz.) J. Ag. Isfjorden, Hornsund fiord.

Presumably recorded as *C. tenuissimum* — Agardh (1868a), ЗИНОВА (1955) and as *C. rubrum* ex. p.

C. rubrum (Huds.) Ag. [= *C. nodulosum* (Lightf.) Ducl.] — Agardh, 1862, 1868a; Kjellman, 1875b, 1883; Simmons, 1906; ЗИНОВА, 1955; South, Tittley, 1986.

Requires reinvestigation. Probably all records of *Ceramium* belong to one species.

Pterothamnion plumula (Ellis) Nag. ? — South, Tittley, 1986.

Presumably absent in Spitsbergen. See: F. Kjellman (1883 : 180), A. Athanasiadis (1989 : 229).

* *Ptilota plumosa* (Huds.) Ag. (= *P. gunneri* Silva, Maggs et L. Irvine). W N. — Postels, Ruprecht, 1840; Agardh, 1862, 1868a; Heuglin, 1874; Kjellman, 1875b, 1883; South, Tittley, 1986; Florczyk, Latała, 1989.

See: C. Maggs, M. Hommersand (1993 : 39).

P. serrata Kütz. S W N. — Agardh, 1868a; Kjellman, 1875a,b; South, Tittley, 1986. *P. pectinata* — Kjellman, 1883; Simmons, 1906; Зинова, 1955; Svendsen, 1959; Dizerbo, 1969.

See: A. Whittick (1977 : 141).

* *Scagelia pylaisei* (Mont.) Wynne. W N. — South, Tittley, 1986; Athanasiadis, 1989. *Antithamnion boreale* — Kjellman, 1883; Simmons, 1906; Зинова, 1955; Svendsen, 1959. *A. plumula* — Kjellman, 1875a,b. *Callithamnion plumula* — Agardh, 1862, 1868a.

Probably includes *Pterothamnion plumula*.

Delesseriaceae

Membranoptera alata (Huds.) Stackh. W. — Florczyk, Latała, 1989. *Fucus alatus* — Postels, Ruprecht, 1840.

* *Pantoneura baerii* (P. et R.) Kylin. W N. — Зинова, 1955; Svendsen, 1959; South, Tittley, 1989. *Delesseria baerii* — Agardh, 1862, 1868a; Kjellman, 1875b, 1883; Simmons, 1906.

* *Phycodrys rubens* (L.) Batt. S W N. — South, Tittley, 1986; Florczyk, Latała, 1989. *P. sinuosa* — Зинова, 1955, 1961a; Svendsen, 1959. *Delesseria sinuosa* — Agardh, 1862, 1868a,b; Heuglin, 1874; Kjellman, 1875a,b, 1883; Simmons, 1906.

Rhodomelaceae

* *Odonthalia dentata* (L.) Lyngb. S W N. — Agardh, 1862, 1868a,b; Kjellman, 1875b, 1883; Simmons, 1906; Зинова, 1955, 1961a; Svendsen, 1959; South, Tittley, 1986; Florczyk, Latała, 1989.

* *Polysiphonia arctica* J. Ag. S W N. — Agardh, 1862, 1868a; Kjellman, 1875a,b, 1883; Simmons, 1906; Taylor, 1954; Зинова, 1955, 1961a; Svendsen, 1959; South, Tittley, 1986; Florczyk, Latała, 1989. *P. stricta* — Agardh, 1868a (?).

P. atrorubescens (Dillw.) Grev. [= *P. nigra* (Huds.) Batt.]. ? — Agardh, 1868b; Kjellman, 1875b.

P. elongata (Huds.) Spreng. ? — Agardh, 1868a; Kjellman, 1875b, 1883.

P. lanosa (L.) Tandy. ? — Taylor, 1954. *P. fastigiata* — Agardh, 1868a; Kjellman, 1875b, 1883 (?); Зинова, 1955.

Found only washed ashore.

* *P. nigrescens* (Huds.) Grev. W. — Florczyk, Latała, 1989.

* *P. urceolata* (Lightf.) Grev. W. — Heuglin, 1874; Зинова, 1955; Florczyk, Latała, 1989.

* *Rhodomela confervoides* (Huds.) Silva. W. — South, Tittley, 1986. *R. subfusca* — Зинова, 1955; Florczyk, Latała, 1989.

Most probably includes *R. lycopodioides*.

R. lycopodioides (L.) Ag. S W N. — Kjellman, 1875b, 1883; Simmons, 1906; Summerhayes, Elton, 1923; Taylor, 1954; Зинова, 1955; Svendsen, 1959; South, Tittley, 1986; Florczyk, Latała, 1989. *R. cladostephus* — Agardh, 1868b. *R. subfusca* — Agardh, 1862, 1868a; Kjellman, 1875b. *R. tenuissima* — Kjellman, 1875a,b. *Aphanarthron cladostephus* — Agardh, 1868b.

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РЕЗЮМЕ

Аннотированный список морских водорослей Шпицбергена (*Chlorophyta*, *Xanthophyta*, *Phaeophyta* и *Rhodophyta*) содержит 142 вида, из них 18 видов отмечены впервые.