

Repertorium.

W. F. R. Suringar, Algarum Japonicarum Musei Botanici L. B. index praecursorius. (Separat-Abdruck aus den Annales Bot. Musei Bot. Lugd. Bat. 1867, m. sept.)

Diatomaceae.

Cyclotella meneghiniana Kg. — *C. sinensis* Ehr. var.? *C. annulata*, duplo major, diametro $70 \mu = \frac{1}{32}''$, spatio intramarginali depresso lato, inaequaliter concentrica lineolato. Inter algas aquae dulcis Japoniae. — *Arachnodiscus ornatus* Ehr. — *Liparogryra circularis* Ehr. — *Nitzschia communis* Rabh. — *N. sigmoidea* (Nitzsch.) Sm. — *N. linearis* (Ag.) Sm. — *N. amphioxys* (Ehr.) Sm. — *N. cuneata* n. sp. linearis vel rarius medio leviter attenuata, apicibus subito cuneatis, $50 \mu = \frac{1}{45}''$ longa, nodulis 16—18, striis saepissime obscuris 35 in 25μ , pro majori parte valvis ($11-12 \mu = \frac{1}{210}-\frac{1}{190}''$ latis) latera aliquanto superantibus, incumbens. Syn. *Surirella multifasciata* Kg. pro parte. Inter algas aquae dulcis Japoniae. — *Nitzschia palea* (Kg.) Sm. — *N. tenuis* Sm. var. *parva* Rabenh. — *N. flexella* n. sp. e facie carinali visa levissime sigmoidea, nodulis 18—20 in 25μ ; $47 \mu = \frac{1}{48}''$ longa. Inter *N. flexam* Schumann et *N. Clausii* Hantzsch media. — *Nitzschia arculus* n. sp. (an varietas *N. vermicularis* Hantzsch?) leviter arcuata, exacte linearis, apicibus obtusis, nodulis 15 in 25μ ; $66 \mu = \frac{1}{34}''$ longa, $4 \mu = \frac{1}{564}''$ lata. — *Navicula appendiculata* Gg. — *N. cuspidata* Kg. — Nav. eiusdem forma longicollis; apicibus longius protractis levissime capitatis. — *N. producta* Sm.? — Nav. *affinis* Ehr. Eiusdem? forma minor $32 \mu = \frac{1}{18}''$ longa. — Nav. *firma* Kg. a major Grunow. — Nav. ejusdem forma triundulata. — *Pinnularia major* (Kg.). — *P. viridis* (Ehr.). — *Pleurosigma Spenceri* Sm. — *Scoliopleura ornata* n. sp. valvis elliptico-rhomboideis longitudine $125 \mu = \frac{1}{18}''$ latitudinem quinquies superantibus valde convexis, costa mediana leviter utrinque arcuata, striis obliquis cruciatis validis facile in granulorum series solutis 25 in 25μ , lateribus late linearibus obtusis truncatis, membranula connexiva paullum et curvata et obliqua. Identica fortasse cum illa *Surirella?* ornata Kg. Bacill. — *Stauroneis fenestra* Ehr. — *Cymbella maculata* Kg. — *Cymbella ventricosa* Kg. — *Amphipleura Japonica* n. sp. leviter sigmoidea a medio utrinque sensim attenuata apicibus obtusa triplicata pellucida subtilissime transverse striata, striis circa 60 in 25μ . $85-105 \mu = \frac{1}{27}-\frac{1}{22}''$ longa, medio $14 \mu = \frac{1}{160}''$ lata. Observ. Amphi-

pleurae pellucidae formae & mensuris proxima, at flexura diversa. — *Tetracyclus lacustris?* Ralfs. — *Cocconeis consociata* Kg. — *Gomphonema capitatum* Ehr. — *Comphonema curvatum* Kg.

Desmidiaceae.

Closterium Japonicum n. sp. anguste fusiformis latitudine 18—20es longior levissime arcuata pallide viridula, striis longitudinalibus tenuissimis circa 23 in 25 μ , suturis transversis 3—5; 0,4—0,6 mm. = $^{1/6}$ — $^{1/4}''$ longa. Observ. Closterio intermedio Ralfs proxima, at major et striis fere duplo densioribus diversa.

Confervoideae.

Oscillariinae.

Sirosiphon vermicularis n. sp. repens parce et vage ramosus, ramis patentibus aut rectangularibus elongatis cum trichomate flexuosis, cellulis 1—2-, in apicibus ramorum clavato-tumidis 2(-pluri)seriatis aerugineis tubo gelineo crasso trichomatis primarii lamellosa fuscescente ramorum hyalino cinctis, diametro 7.6—15 μ = $^{1/295}$ — $^{1/150}''$ s. v. 13—25 μ = $^{1/175}$ — $^{1/90}''$ c. v. brevioribus. — *Hypheothrix anguina* n. sp. trichomatibus chalybeo-aerugineis tortuosis, cellulis minute granulatis diametro 5—6.5 μ = $^{1/420}$ — $^{1/350}''$ $^{2/3}$ brevioribus, vaginis inconspicuis, apiculis paullum attenuatis simpliciter obtusis. Parasitica in *Spirogyra lineata* n. sp.

Zygnemaceae.

Spirogyra lineata n. sp. Caespite atro-viridi, cellulis (sterilibus) cylindraceis, diametro (70 μ = $^{1/33}''$) $1\frac{1}{2}$ —3plo longioribus dense longitudinaliter lineolatis, fasciis chlorophyllophoris tribus parallelis subrectis.

Confervaceae.

Chaetomorpha macrotona n. sp. Pallide viridis flaccida crispata cellulis cylindricis diametro 137—150 μ = $^{1/16}$ — $^{1/15}''$ 2—5-plo longioribus, parietibus fibroso-striatis. — *Cladophora insignis* Kg. γ *fluviatilis* Kg. — *Cladophora tomentosa* n. sp. Caespite sordide viridi tomentoso-intricato expanso humiliissimo trichomatibus basi scutelliformi affixis flaccidis crassis subsimplicibus, ramis ramulisque parcis conformibus, patentibus vel angulo recto e mediis cellulis egredientibus elongatis varie curvatis, cellulis diametro sensim decrescente = 27 μ —11.5 μ = $^{1/34}$ — $^{1/200}''$ —2—3-plo longioribus, contentis tenissimis. — *Bulbotrichia botryoides* Kg.

Dermatoblasteae.

Phycoseris smaragdina Kg. — *Enteromorpha intestinalis* Link. — *Enteromorpha complanata* Kg.

Coeloblasteae.

Codium latum n. sp. e basi cuneata valde dilatata plana passim pertusa medio bifurcata, laciniis ex axillo rotundato divergentibus sursum paullum angustatis apice bilobis obtusis. Color atroviridis; cellulae periphericae 0.38 mm. = $\frac{1}{6}$ " longae, 0.07 mm. = $\frac{1}{30}$ " latae; frons sicca 24 c.m. longa, infra bifurcationem $3\frac{1}{2}$ c.m. lata, basis laciniarum 3 et 4 c.m.

Acanthocodium, nov. genus.

Habitus et structura Codii, at cellulis periphericis apice acuminatis spinescentibus.

Acanthocodium fragile; fronde cylindrica 2 mm. crassa subdichotome ramosa cinereo-viridis fragilissima. Cellulis periphericis 1,57 mm. = $\frac{1}{4}$ " longis, 0.075—0.115 mm. = $\frac{1}{30}$ — $\frac{1}{20}$ " crassis.

Fucoideae.

Hydroclathrus cancellatus Bory. — *Spathoglossum multipartitum* (Sukr.) Kg. — *Chnoospora atlantica* (Ag.) Kg.? — *Phyllitis debilis* (Ag.) Kg. — *Alaria pinnatifida* Harvey, forma junior. — *Laminaria?* *saccharoides* Lenormand in literis, radice ramosa, stipite firmo breviusculo compresso superne cuneato plano in frondem transiente giganteam linearilanceolatam coriaceam, costis 1—3 spuriis latis diffusis saepius evanidis percursam, passim pertusam, apice longe productam ibique margine undulatam. — *Sargassum carpophyllum* Ag. — *Sargassum gracile* Ag. — *S. Horneri* Ag. — *Sarg. pinnatifolium* Ag. — *Sarg. scoparium* Ag. — *Sarg. serratifolium* Ag. — *Sarg. Siliquastrum* Ag. — *Sarg. sisymbrioides* Ag. — *Cystophyllum Swartzii* Ag.

Florideae.

Hormoceras flaccidum Harvey. — *Campylaephora hypnoides* J. Ag. — *Porphyra vulgaris* Ag. — *Schizymenia ligulata* n. sp. frondibus ex apice stipitis brevis filiformis prodeuntibus 2—4 longe ligulatis e basi linearis sensim dilatatis paullulum undulatis et curvatis simplicibus aut supra medium subdichotomis passim ramulosis, apicibus denuo angustatis in pluribus abruptis. Color coccineo-fuscus; frondes ad 22 c.m. longae, ad 2 c.m. latae, madefactae carnosae. — *Chondrus punctatus* n. sp., fronde membranacea repetitive (ad 4) dichotoma flabellata, segmentis cuneatis superne dilatatis, apicibus obtusis bilobis passim latissimis proliferis, cystocarpiis in inferiore frondis parte sub-immersis minimis punctiformibus. Color purpurascens, structura Chondri crispi, cuius speciei insuper habitu exemplar parvum simulat. — *Gigartina tenella* Harvey. — *Gigartina intermedia* n. sp. fronde filiformi

compressa subdichotoma ramis patentibus bipinnatis, apicibus ramulisque lanceolato-dilatatis complanatis sulcatis. Color purpurascens; 6 c.m. alta, 1— $1\frac{1}{2}$ mm. crassa. — *Gloeopeltis tenax* (Turner) Agardh. — *Gloeopeltis furcata* (Postels et Rupr.) Ag. — *Gl. coliformis* Harvey. — *Gl. intricata* n. sp., repetitive et dense dichotome ramosa, axillis rotundatis, ramis patentibus et divaricatis e basi plerumque capillari sensim dilatatis paullum compressis cubsaccatis, superioribus sensim tenuioribus et magis approximatis, summis tenuissimis acutis recurvis saepe alternis aut subsecundis passim bifurcatis aut dentatis. Color fusco-purpurascens. — *Gloeopeltis cervicornis* n. sp., pusilla pulvinata dura, caulomate compresso alterne (passim dichotome) ramoso, ramis ex axillis rotundatis adscendentibus, ramulis superne creberrimis dense 2—3 pinnatis, ultimis spinescentibns. Cystocarpia in ramulis. Caulomatis primarii diam. maximus 1 mm.; 1 c.m. alta; color fusco-ruber. — *Gelidium corneum* Lamouroux. — *Sphaerococcus* (*Gracilaria*) *confervoides* Ag. — *Sphaerococcus* (*Rhodymenia*) *Tectorii* n. sp., e basi cuneata plana cartilagineo-membranacea crassa, alterne passim subdichotome sparse ramosa, ramis ramulisque sursum angustatis demum linearibus acutiusculis, cystocarpiis per frondem sparsis, cellulis medullaribus maximis. Specimina 15 c.m. longa, laciniis ad 1 c.m. latis. — *Gymnogongrus* (*Oncotylus*) *flabelliformis* Harvey. — *Gymn.* (*Oncotylus*) *japonicus* n. sp. gracilis repetitive dichotoma flabellata compressa, laciniis angustissimis superne paullum dilatatis complanatis apicibus obtusis vel bifurcatis. — *Polysiphonia fragilis* n. sp. parva (*pollicaris*) nigrescens fragilissima alterne ramosa, ramis ramulisque rigidiusculis patentibus vel varie divergentibus, apicibus bifurcatis nudis, articulis diametro brevioribus 5-siphoneis, siphone centrali tenui. Fructus non vidi. — *Polysiphonia tapinocarpa* n. sp. *Spithamea* flaccida mucosa fusco-purpurea reptite alterne ramosa, ramulis confertis penicillatis, ramellis pulchre fibrosis, tetrachocarpiis in articulis ramorum penultimorum et antepenultimorum tumidis seriatis articulis diametro in ramis duplo longioribus 9-siphoneis, siphone centrali ceteris conformi. — *Digenea Wulfeni* Kg.

In Summa 78 Species.

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