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#### *About the Institute*

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.





Crossed to Lebrun

No 51 Margarita cca (short)

- *Cyrtocarpus* *brachymeris* ✓ with to use = collection
- *Walteria* *rigida*
- *Panicum* *cyrtocarpus* ✓ *Tetrum* *brachymeris* *brachymeris*  
     " *prostratum* *prostratum*

- Stem.* *angustatum* ✓ *brachymeris*
- *brachymeris* (1/4 in 7)
- *brachymeris* "
- *brachymeris* *brachymeris*
- *brachymeris* "
- *brachymeris* "

*Hyalotheca* *brachymeris* & *brachymeris* (loc 30)  
 ✓ in 2. 7. 1934

No 6 Diatom cca

- loc 4?
- loc 5 - c. loc 45 ✓ *Cyrtocarpus* *brachymeris*
- ~~loc 6~~
- brachymeris*
- brachymeris* ✓ *Stem* *brachymeris* loc 32  
     " *brachymeris* ✓ *brachymeris* loc 34
- " *brachymeris* ✓ *brachymeris*

- Panicum* *brachymeris* ✓ *Panicum* *brachymeris*
- Stem* *brachymeris* ✓ *Tetrum* *brachymeris*  
     " *brachymeris* ✓ *brachymeris*

- Stem* *brachymeris* (loc 2) ✓ *Hyalotheca* *brachymeris*
- c. loc 16 ✓ *brachymeris* *brachymeris*
- c. loc 18 ✓ *brachymeris* *brachymeris*
- c. loc 18 ✓ *brachymeris* *brachymeris*
- c. loc 24 ✓ *brachymeris* *brachymeris*



Oroundale, Labrador

No 10) Pictou: etc

~~Montana~~ <sup>montana</sup> ~~subulata~~

lycia des septis barbison

coron. comitate circa 188

Pictou 1882

mont. montana

Monte f.

No 11) Pictou: etc

sporadicis comitate

Mont. des septis barbison

lycia des septis barbison

Monte f.

coron. comitate circa 188

Monte f.

Monte f.

Monte f.

Monte f.

Monte f.

Monte f.

Monte f.

Monte f.

Monte f.

Monte f.

Monte f.

Teton, Canada

Monte f. circa 30

Monte f. circa 26

Monte f. circa 24

Monte f. circa 22

Monte f. circa 20

Monte f. circa 18

Monte f. circa 16

Monte f. circa 14

Monte f. circa 12

Monte f. circa 10

Monte f. circa 8

Monte f. circa 6

Monte f. circa 4

Monte f. circa 2

Monte f. circa 0

Monte f. circa -2

Monte f. circa -4

Monte f. circa -6

Monte f. circa -8

Monte f. circa -10

Monte f. circa -12

Monte f. circa -14

Monte f. circa -16

Monte f. circa -18

Monte f. circa -20

Monte f. circa -22

Monte f. circa -24

Monte f. circa -26

Monte f. circa -28

Monte f. circa -30

Monte f. circa -32

Monte f. circa -34

Monte f. circa -36

Monte f. circa -38

Monte f. circa -40

Monte f. circa -42

Monte f. circa -44

Monte f. circa -46

Monte f. circa -48











*Euastrum* *hiale* var. *gutinivitt* icon 4  
*diversatum*  
*elegans*  
*montanum* icon 3  
*ubereum* v. *exicatum*  
*tuffalense*

*Cosmarium* *leoculatum* (11.5 x 11.5  $\mu$ )  
*contractum* v. *contractum*  
 - - - *aliporiense* f. *minus*  
*cucurbita*  
*depressum*  
*diploporum* (?)  
*sinostegos* ? f. icon 12  
*calcaratum* f. icon 9  
*subtenuatum* f. icon 70  
*trium*  
 sp. - icon 6  
 sp. - icon 7  
 sp. - icon 10

*Arthrodesmus* *intus* v. *extensus*  
 - - v. *parvus* icon 13  
 - - v. *subhexagonus* icon 14  
*octocornis*

*Staurastrum* *asteroidum* v. - (cf. *Graveland*)  
*brachiatum*  
*capitulatum*  
*capitatum*  
*diacanthum*  
*margaritaceum*  
*monticulorum*  
*omacanthum* icon 4  
*parvulum* (S. G. Smith)  
*reticulatum* f. icon 72  
*polygonophorum* (i. G. G. 1921)  
 sp. - icon 8  
 sp. - icon 69

*Hyalotheca* *dissiliens* v. *dissiliens*  
 - - v. *latricea* (Det. 23  $\mu$ )

*Bambusina* *brettonii*

5

*Cylindrocapsa trebissonii**Nectium digitatus**Panicum cylindricum*

silvae-nigrae v. parallelum

*Tetaneuron trebissonii* (v. *trebissonii*)*Eriostachys montanum**Lithospermum incisum* v. *subhexagonum**Stauractium asteroides* v. *ornatum**trebissonii*

cypselocarpum / fac 4/

*trebissonii*? (arabum?)[marcaritica v. *distans* or  
gracile v. *menum* Wittm.]

parvum (S. G. Smith)

*Hyalotheca distans* var. *distans* (Kot 30 p)- a - var. *tetricea*

6

*Cylindrocapsa trebissonii**Panicum spirostictatum**Closterium acutum**bilobata* (Long 232, Jul 24)*Tetaneuron granulatum**laeviss**Eriostachys didatta* (i. *serotina* *centroli*)*montanum**subulatum*sp - non 15*Cosmarium obliquum**reniforme*sp - non 17*Stauractium* <sup>cypselocarpum</sup> / fac 4 and fac 5*margaritaceum* / fac 3sp - non 18sp - non 74*Hyalotheca distans* v. *tetricea**mucosa*

7

*Mesotium kametari* non 20*Cylindrocapsa trebissonii**Nectium digitatus* v. *lamellosum**Panicum polycephalum**spirostictatum**Closterium acutum**curva* (Krieger 1932)

*Tetramesorus areolata*  
*Eriochloa deltoidea* v. *quadriloba*  
montanum  
Kubitzkiaceae (vel *calcepinum*)  
Sp. - = icon 15

*Arthrodesmus incus* v. *subhaerens*

*Stachyotum brachycomi*  
margaritaceum

*Dryadocloa dissidens* v. *hians* (?) icon 19

8] *Cylindrocapitum brachycomi*

*Heliosium digitum*

*Pennisetum polymorphum*  
*Silvaea nigrae* icon 24

*Cladonia lebellata*

*Tetramesorus brachycomi* v. *minor*  
laevis

*Eriochloa binale* f. icon 21  
→ f. icon 22  
didelta

montanum

*Cosmoneuron* sp. icon 23

*Stachyotum margaritaceum* fac. 5  
omarii  
scaberrimum

9] *Mesotachium Kraskei*

*Cylindrocapitum brachycomi*

*Pennisetum polymorphum*  
*spirostylotum*

*Eriochloa binale* f. section  
montanum

*Tetramesorus laevis*

*Cosmoneuron contractum* v. *ellipsoideum* (small)  
*occumbens* var. - icon 25

*quadricarinum* v. *hexastichum*

*Requisi*

*subterminatum*

*Arthrodesmus incus* v. *subhaerens*

*Stachyotum margaritaceum*  
*polymorphum* (s. l. l. l.)

sp. - (only one cell)

10

*Melotania barnebyi*  
*Cylin. dioxyctis brachymeris*  
*Panicum cylindricum*  
*Eragrostis binata* f.  
                   *montanum*  
*Cosmariina cucurbita* icon 25

11

*Spiratocenia condensata*  
*Cylin. dioxyctis brachymeris*  
*Nelium dioxyctis* v. *lanellatum*  
                                   v. *rhomboidum*  
*Panicum* sp. -  
*Westerw. cristatum*  
                   *decurrens*  
                   *intermedium*  
                   *fronens*  
                   *Kuntzei*  
                   *libellula*  
                   *resolutes* var. *pubescens*  
                   *peruvianum* v. *angustum*  
                   *meibomia*  
                   *prolatum* (v. *erectum*)  
*Tetaneura* *barnebyi*  
*Eragrostis ampullacea* icon 28  
                   *delicta*  
                   *elegans*  
                   *pectinata* (v. *brachylobra*?)  
                   sp. - icon 31

*Microrhiza angulosa* icon 67  
*Cosmariina* *ancum*  
                   *angulosum*  
                   *hyalinum*  
                   *cucurbita*  
                   *norimburgense* icon 26  
                   *uvae - sambucis*  
                   *ovatum* f.  
                   *portianum*  
                   *pseudovinnatum*  
                   *prelongum* *detum*

subumbellatum icon 27  
subtamidum  
tinctum  
nigerianum var. ? icon 10  
venustum  
sp - icon 30  
sp - icon 32

Spinocarpium gustidens icon 29

Kanthidium antilogacum (ad v. laeve ad membrana  
micromita pubescentia cum trichobolus normalis?)  
armatum

Anthriscus incul f.

Stearastem anatum v. curtum

apiculatum icon 33

lappinum ? icon 34

megacanthum

paradoxum (G.M. Smith)

sp - icon 8

Hyalotheca Bidiviana v. Tatraica

12

Panicum cylindricum

ulvae-nigras v. parallelum ?

sp - icon 37

Urosterium intermedium

juniperi

presudeticum

Eriostem. anatum

bibratatum

binale (f. hians)

elegans

pectinatum var. pennicum icon 38

turmerici

Cosmariium katayticum

contractum

difficile

massum

exiguum

formosum

mageritiformum

pygmaeum icon 35

quadricatum  
subochroleas  
subtenuis dries  
t. Frag. th. Holman

t. nodosum

Arthrodesmia incas v. rufipila

johnsonii Icon. 13 b

Stauractium istanbuli Icon. 36

lapponicum

lunatum

13

Cylin dros cyathis bruticorii v. bruticorii  
" v. minor

Pennisium cylin dros

epi v. rotundatum

Chrosterium acutum

cornu

costatum

cyathia

decorum

dianae

gracile v. elongatum

incurvum

jensenii

knuti ingii

maricula

perochina

rostratum

retaleum

Eucetium auratum

bidentatum

binale v. hians

denticulatum

didactyla

elegans

pectinatum fac 3

puberulum v. reticulatum

turneri

verrucosum v. verrucosum

*Muraetia* *conferta* v. *hemata*

*perfoliata*

*venucosa* icon 39

*Cosmarium* *bicuculatum*

*bleytrii*

*leptotricha* (?)

*depressum*

*difficile*

*granatum*

*humile*

*logense* f. *expansum*

*margaritiferum*

*meneghinii*

*ornatum* var. icon 59

*pseudonitidulum* v. *valdeolum*

*rubricornis*

*subtenuatum*

*tetraphylloides* icon 62

*tractum*

sp. - icon 68

*Xanthidium* *antilypaeum* f. icon 64

*Anthrodorimus* *convexus*

*incus* v. *extensus*

*octocornis*

*Staarctium* *alternans*

*anatinum* v. *curtum*

*cyrtocernum*? (fac 3)

*fraxigerum*

*macroarthrum* v. *epinulatum*? icon 66

*inflexum*

*isotomum*

*lappaceum* icon 63

*lunatum* / *ovicula* "janus"

*margaritaceum*

*micronatum* icon 61

*natatum*

*pseudosubalti* v. *simplex*? icon 65

*vestitum*

*Spondylosium* *planum*

*Sphaerosoma* *excavatum*

*granulatum*



venustum

Staurastrum uncinatum var. cuneatum  
brachiatum (fac 4)  
cylindricum (fac 3)  
megacanthum  
omnium

Hyalotrichia dissoluta v. totolica

16

Penium spirorbolatum

Closterium angustatum  
divisum  
intermedium  
junceum  
macilentum  
parvulum

Pleurotaenium ohrenbergii  
truncatum (apex verrucosus)

Tetramorus granulatus

Evastrium acutatum  
bidentatum  
denticulatum  
didelta  
elegans  
gemmatum  
oblongum v. oblongum  
- " v. cephalophorum"  
pectinatum v. brachylobum  
verrucosum var. vallesiicum? icorn

Cosmarium binum

boergesoni (= Leon 32)  
difficile  
hexalobum (?)  
humile  
marginiferum  
pseudocostatum?  
quadricatum  
quadricatum v. hexastichum  
quadrum  
sex notatum  
subochthodes  
subcuneolatum

tetracophthalmeum

Xanthidium antilopaceum f.

Staurastrum anatum f. minus

dilatatum

fuscigerum

megacanthum

varians

vestitum

sp - icon 43

17

Pennium exiguum

Closterium angustatum

gracile v elongatum

jenneri

Kuetzingii

parvulum v angustum

pseudodiamac

striolatum

ultra

Euastrom auratum

bidentatum

delta

divaricatum

elegans

pestitatum var -

hammeri icon 49

Cosmarium blythii

diploporum

granatum

isthmicum icon 47

margaritifera

pseudopyramidatum

rectangulare (ad v hexagonum) icon 51

subcucumis icon 48

subtumidum icon 50

tinatum

venustum

Xanthidium antilopaceum v polymazum icon 52

Staurastrum japonicum

lunatum

megacanthum  
setigerum  
*Hyalotheca discoliens* v. *discoliens*  
- - - var minor

*Bambusina torreyi*

18

*Cylindrocystis bobisoonii*

*Nelium digitus*

*Clitorium baileyana*

*dianae*

*gracile* v. *elongatum*

*jenneni*

*libellula*

*parvulum*

*nelsoni* v. *hybridum*

*tristatum*

*Tetameorus bobisoonii* v. *bobisoonii*  
" v. *minor*

*Eriostroma bidentatum*

*denticulatum*

*didyma*

*divaricatum*

*elegans*

*montanum*

*Cosmariom recurvata*

*depressum*

*subturnidum*

*recurvatum* v. *recurvatum*

" v. *excavatum*

*Xanthidium antilopacum* f. icon 55

*armatum*

*crispatum* f. icon 54

*Bambusina torreyi*

19

*Cylindrocystis bobisoonii*

*Panicum polymorphum*

*Clitorium dianae*

*Tetameorus bobisoonii* v. *minor*

*Eriostroma ansatum*

*binale* f. *gutwinski*

" v. *rectum*

sp. - icon 57

*Cosmarium asphaerosporum* v. *strigatum* icon 58

*contractum* v. *ellipsoideum* (m. n. s.)

*obliquum*

*Anthrodesmos incisus* v. *subhexagonus* (= icon 14)

*octocornis*

*Sphaerostomum asterioides* v. *ornatum*

*brachiatum*

*cyrtocorum*

*micricatum*

*vestitum* f.

sp. - icon 58

*Hyalotheca distans* v. *minor* (fac. circularis) [lat = diam = 23  $\mu$ ]

*Sphaerozona granulatum*

20

nihil!

Sample 1.

- Euastrum binale v. hians (long. 20.7) icon 20  
elegans  
turneri  
Cosmarium asphaerosporum v strigosum icon 71  
granatum f.  
punctulatum (?)  
venustum  
Stauroastrum dickiei ? icon 69

Sample 2.

- Closterium decorum (s. W&W, Mngr fig. 1) icon 74  
dianae  
lineatum (s. Krieger 32:1) icon 1  
Cosmarium subtumidum  
Hyalotheca dissiliens (fac. circularis and fac. bidentula) chromatophores  
are in end view 8- or 6-radiate. Lat. cell. 21  
zygospore icon 75.  
Bambusina borreri

Sample 3.

- Tetmemorus granulatus (long. 186 )  
Euastrum bidentatum  
montanum  
Cosmarium reniforme icon 2a, 2b.  
Stauroastrum dilatatum  
margaritaceum (fac. 3)  
muricatum (long 53, lat. 49)  
sexcostatum (fac. 5) icon 68.

Sample 4.

- Netrium oblongum  
digitus  
Penium cylindrus icon 11  
sp. -  
Closterium acutum  
costatum icon 71  
dianae  
gracile (?)  
parvulum v angustatum  
pseudodianae  
sp. icon 73  
Tetmemorus brebissonii v brebissonii  
Euastrum binale v. gutwinskii icon 4  
divaricatum  
elegans  
montanum icon 3  
sibiricum v exsectum  
tuddalense (?)  
Cosmarium (11.5 x 11.5 u) bioculatum  
contractum v contractum  
v ellipsoideum f minus  
cucurbita  
depressum  
diplosporum (?)  
sinostegos ? f. icon 12  
subcucumis f. icon 9  
subtumidum f. icon 70  
sp. - icon 6  
sp. icon 7

Arthrodesmus incus v extensus  
v parvus icon 13  
v subhexagonus icon 14  
    octocornis  
Staurostrum asterioideum v ornatum  
    brachiatum  
    capitulum  
    cyrtocerum  
    diacanthum  
    margaritaceum  
    monticulosum  
    omearii icon 4  
    paradoxum (s.G.M.Smith)  
    pileolatum f. icon 72  
    polymorphum (s Grönb1.1921)  
    sp. - icon 8  
    sp. - icon 69  
Hyalotheca dissiliens v dissiliens  
    v tatica (lat .23u)

Bambusina brebissonii

Sample 5.

Cylindrocystis brebissonii  
Netrium digitus  
Penium cylindrus  
    silvae-nigrae v parallelum  
Tetmemorus brebissonii v brebissonii  
Euastrum montanum  
Arthrodesmus incus v subhexagonus  
Staurostrum asterioideum v ornatum  
    brebissonii  
    cyrtocerum (fac 4)  
    erasum ? or brebissonii?  
    gracile var. nanum Wille - or margaritaceum v hirtum?  
    paradoxum (s GMSmith) <sup>(Arthrodesmus)</sup>  
Hyalotheca dissiliens v dissiliens (lat 30)  
    v tatica

Sample 6

Cylindrocystis brebissonii  
Penium spirostriolatum  
Closterium acutum  
    libellula (long 232, lat 34)  
Tetmemorus granulatus  
    laevis  
Euastrum didelta  
    montanum  
    subalpinum  
    sp- icon 15  
Cosmrium obliquum  
    reniforme  
    sp. - icon 17  
Staurostrum cyrtocerum (fac 4 and fac 5)  
    margaritaceum (fac 3)  
    sp. icon 18  
    sp. icon 74  
Hyalotheca dissiliens v tatica  
    mucosa

Sample 7

Mesotaenium kramstai icon 20  
Cylindrocystis brebissonii  
Netrium digitus v lamellosum  
Penium polymorphum  
    spirostriolatum  
Closterium acutum  
    cornu (s Krieger fig 2)  
    libellula  
Tetmemorus granulatus  
Euastrum doliforme v groenbladii  
    montanum  
    tuddalense (or subalpinum)  
    sp. - icon 15  
Arthrodesmus incus v subhexagonus  
Staurationem brebissonii  
    margaritaceum  
Hyalotheca dissiliens v hians (?) icon 19

Sample 8

Cylindrocystis brebissonii  
Netrium digitus  
Penium polymorphum  
    silvae-nigrae icon 24  
Closterium libellula  
Tetmemorus brebissonii v minor  
    laevis  
Euastrum binale f icon 21  
    " " icon 22  
    didelta  
    montanum  
Cosmarium sp. - icon 23  
Staurationem margaritaceum (fac 5)  
    omearii  
    scabrum

Sample 9

Mesotaenium kramstai  
Cylindrocystis brebissonii  
Penium polymorphum  
    spirostriolatum  
Euastrum binale v sectum  
    montanum  
Tetmemorus laevis  
Cosmarium contractum v ellipsoideum (small)  
    cucurbita f. - icon 25  
    quadrifarium v hexastichum  
    regnesii  
    subtumidum  
Arthrodesmus incus v subhexagonus  
Staurationem margaritaceum  
    polymorphum (s Grönb.-21)  
    sp ? (one cell only)

Sample 10

Mesotaenium kramstai  
Cylindrocystis brebissonii  
Penium cylindricum  
Euastrum binale f.  
    montanum  
Cosmarium cucurbita icon 25b



elegans  
pectinatum v fennicum icon 38  
turneri

Cosmarium botrytis  
contractum  
difficile  
erasum  
exiguum  
formosulum  
margaritiferrum  
pygmaeum icon 35  
quadratum  
subochthodes  
subtumidum  
tetraophthalmum  
tinctum

Arthrodesmus incus v ralfsii  
phimus icon 13b

Staurostrum iotanum icon 36  
lapponicum  
lunatum

Sample 13

Cylindrocystis brebissonii v brebissonii  
v minor

Penium cylindrus  
spirostriolatum

Closterium acutum  
cornu  
costatum  
cynthia  
decorum  
dianae  
gracile v elongatum  
incurvum  
jenneri  
kuetzingii  
navicula  
parvulum  
rostratum  
setaceum

Euastrum ansatum  
bidentatum  
binale v hians  
denticulatum  
didelta  
elegans  
pectinatum fac.3  
pulchellum v retusum  
turneri  
verrucosum v verrucosum

Micrasterias conferta v hamata  
papillifera  
verrucosa icon 39

Cosmarium bioculatum  
blyttii  
botrytis (?)  
depressum  
difficile  
granatum  
humile

logiense f expansum  
margaritifерum  
meneghinii  
ornatum var. icon 59  
pseudonitidulum v validum  
subcucumis  
subtimum  
tetraophthalmum ico 62  
tinctum  
sp. - icon 68

Xanthidium antilopaeum f icon 64

Arthrodesmus convergens  
incus v extensus  
octocornis

Staurastrum alternans  
anatinum v curtum  
cyrtocerum (?) fac.3)  
furcigerum  
heimerlianum v spinulosum? icon 66  
inflexum  
iotanum

lapponicum icon 63

lunula//avicula (dichotypical cell, or "Janus" which name I do  
not like) icon 60

margaritaceum  
mucronatum icon 61

natator  
pseudosebaldi v simplicius? icon65  
vestitum

Spondylosium planum

Sphaerososma excavatum  
granulatum

#### Sample 14

Penium exiguum  
silvae-nigrae v parallelum

Closterium striolatum ?

Tetmemorus brebissonii v minor  
laevis

Euastrum ansatum  
sinuosum var.  
tuddalense (?)

Cosmarium asphaerosporum v strigosum (@blad, Lappl. II:16)  
contractum v ellipsoideum (small)  
novae-semiliae  
obliquum

Arthrodesmus incus v subhexagonus  
octocornis

Staurastrum cyrtocerum ? (fac 4) icon 41  
hirsutum  
insigne  
margaritaceum (fac 6) icon 42  
sexcostatum (fac 6)  
vestitum  
sp. - icon 40

Sphaerososma granulatum

Hyalotheca dissiliens v hians

Sample 15

Closterium cynthia  
decorum  
dianae  
ralfsii v hybridum  
Tetmemorus brebissonii  
Euastrum ansatum  
bidentatum  
binale v hians  
didelta  
elegans  
oblongum  
pectinatum (fac 2, fac 3)  
verrucosum v alatum  
Cosmarium granatum  
praemorsum  
subundulatum  
venustum  
Stauroastrum anatinum v curtum  
brachiatum (fac 4)  
cyrtocerum (fac 3)  
megacanthum  
omearii  
Hyalotheca dissiliens v tetrica

Sample 16

Penium spirostriolatum  
Closterium angustatum  
dianae  
intermedium  
jenneri  
macilentum  
parvulum  
Pleurotaenium ehrenbergii  
truncatum (apex verrucis ornatus)  
Tetmemorus granulatus  
Euastrum ansatum  
bidentatum  
denticulatum  
didelta  
elegans  
gemmatum  
oblongum v oblongum  
"v cephalophorum"  
pectinatum v brachylobum  
verrucosum v vallesiacum icon  
Cosmarium binum  
boergesenii (=icon 32)  
difficile  
hexalobum (?)  
humile  
margaritifera  
pseudoornatum (?)  
quadratum  
quadrifarium v hexastichum  
quadrum  
sexnotatum  
subochthodes  
subundulatum  
tetraophthalmum  
Xanthidium antilopaeum f

dilatatum  
furcigerum  
megacanthum  
varians  
vestitum  
sp.- icon 43

Sample 17

Penium exiguum  
Closterium angustatum  
    gracile v elongatum  
    jenneri  
    kuetzingii  
    parvulum v angustum  
    pseudodiana  
    striolatum  
    ulna  
Euastrum ansatum  
    bidentatum  
    didelta  
    divaricatum  
    elegans  
    pectinatum var -  
    turneri icon 49  
Cosmarium blyttii  
    diplosporum  
    granatum  
    isthmium icon 47  
    margaritiferum  
    pseudopyramidatum  
    rectangulare (ad v hexagonum) icon 51  
    subcucumis icon 48  
    subtumidum icon 50  
    tinctum  
    venustum  
Xanthidium antilopaeum v polymazum icon 52  
Staurostrum lapponicum  
    lunatum  
    megacanthum  
    setigerum  
Hyalotheca dissiliens v dissiliens  
    v minor  
Bambusina borreri

Sample 18

Cylindrocystis brebissonii  
Nerium digitus  
Closterium baillyanum  
    diana  
    gracile v elongatum  
    jenneri  
    libellula  
    parvulum  
    rafsii v hybridum  
    striolatum  
Tetmemorus brebissonii v brebissonii  
    v minor  
Euastrum bidentatum  
    denticulatum  
    didelta  
    divaricatum  
    elegans  
    montanum

Cosmarium cucurbita  
depressum  
subtumidum  
venustum v venustum  
v excavatum  
Xanthidium antilopaeum f icon 55  
armatum  
cristatum f icon 54  
Eambusina borreri

Sample 19

Cylindrocystis brebissonii  
Penium polymorphum  
Closterium diana  
Tetmemorus brebissonii v minor  
Euastrum ansatum  
binale f gutwinskii  
v sectum  
sp. - icon 57  
Cosmarium asphaerosporum v strigosum icon 56  
contractum v ellipsoideum (small)  
obliquum  
Arthrodesmus incus v subhexagonus (= icon 14)  
octocornis  
Staurastrum asterioideum v ornatum  
brachiatum  
cyrtocerum  
muricatum  
vestitum f.  
sp. - icon 58  
Hyalotheca dissiliens v minor (fac circulare) lat.23u  
Sphaerososma granulatum

Sample 20

(nihil!)