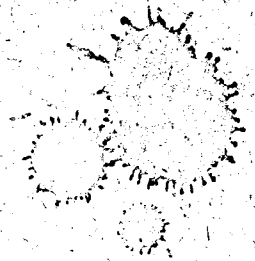


M. E. Meché-Jacobi



PLANKTONONDERZOEK IN HET
LOOSDRECHTSE PLASSENGBIED

door M. E. van der Meché-Jacobi

Deel - verslag : nr 2

14 mei 1982

Toelichting bij de verslagen over het planktononderzoek in het Loosdrechtse Plassengebied

Auteur M.E. van der Meché-Jacobi

Het onderzoek werd verricht in het kader van de Werkgroep Waterkwaliteitsonderzoek Loosdrechtse Plassen (WOL), waarover een reeks van rapporten is verschenen, die in 1992 zijn samengevat door diverse auteurs in *Hydrobiologia* vol. 233 (Developments in Hydrobiology 74).

De basisgegevens zijn door het Rekencentrum van de Rijksuniversiteit Utrecht ingevoerd in computerbestanden en aldaar verwerkt. Bij navraag in 2012 bleken de digitale bestanden te zijn verdwenen.

Wel zijn in het archief van de Hydrobiologische Vereniging (gehuisvest als archief 1446 in het Stadsarchief Amsterdam) afdrukken van de bestanden opgenomen. Het betreft de volgende mappen:

- 292: *Resultaten planktononderzoek Werkgroep Onderzoek Loosdrechtse Plassen (WOL) 1979-1988*
- 293: *Achtergrondgegevens planktononderzoek WOL 1979-1988, Computerverwerking 1986*
- 294: *Computerverwerking planktongegevens WOL 1979-1981*
- 295: *Verwerking planktongegevens en determinatieliteratuur WOL 1979-1981*
- 296: *Logboek WOL 1979-1981*
- 297: *Deelverslagen planktononderzoek WOL 1979, 1982, 1986 (met tekeningen taxa)*

Herman van Dam, 19 september 2014

Verantwoording

Al vanaf april 1979 worden maandelijks lijsten vervaardigd van het in de Loosdrechtse Plassen voorkomende netplankton.

Ter ondersteuning van het eigen geheugen en om anderen in de gelegenheid te stellen gemaakte determinaties te verifiëren zijn van vrijwel alle aangetroffen vormen tekeningen vervaardigd.

Soorten die niet op naam konden worden gebracht zijn voorzien van een nummer waarin datum en monsterpunt zijn gecodeerd; bijv.

1079-5/7 betekent soort 7 in monster 5 van oktober 1979.

In deel-verslag nr 1 d.d. 23 oktober 1979 werd een eerste serie tekeningen aangeboden.

In dit verslag treft men de aanwinsten uit latere jaren aan.

Het is de wens van ondergetekende dat zij samen met de maandtabellen een vruchtbare basis zullen zijn voor verdere hydrobiologische analyses.

Amsterdam, 14 mei 1982

M.E. van der Meché-Jacobi

C. van Alkenadestraat 41

1065 AB Amsterdam

LIMNOLOGISCH INSTITUUT

van de Koninklijke Nederlandse Akademie van Wetenschappen

No.:
Uw brief:

NIEUWERSLUIJ, 25 mei 1982
"Vijverhof"
Tel. (02943) 3251-3252

Mw. M. E. v. d. Meché-Jacobi
C. van Alkemadestraat 41
1065 AB Amsterdam

Beste Miep,

Waar je de tijd vandaan haalt om al die tekeningen te maken is mij een raadsel.

Ik heb ze doorgekeken, en net als de vorige keer heb ik van de planten weinig te zeggen.

Wel vraag ik me af of IV, 2 en 7 geen groenalgen kunnen zijn, resp. Schroederia en Actinastrum?

XIX, 2 en 3 zijn m.i. beide cysten van Ceratium hirundinella.
XXVI, 1 is misschien eerder een incomplete Errerella bornh.

Wat de dieren betreft, het volgende:

XXXV, 2 (en mogelijk 1) en XXXVII, 6 zijn vast wel (misvormde) Pompholyx cf. sulcata. *Vorm der beide openingen karakteristiek*

XXXVI, 7: aan naam Noth.squ. m.i. weinig twijfel

XXXV, 3 is m.i. eerder Brachionus urceolaris, ondanks de uitgetrokken hoekjes van de voetopening. Op afbeeldingen in Koste komen zulke vormen wel voor. Het hele pantser is niet Leydigia-achtig (tenzij dat niet op de tekening is weergegeven) en het 3e tandje bij de voetopening ontbreekt.
XXXVI, 3 is merkwaardig: bij de in M-Europa zeer zeldzame Keratella tropica is altijd de linker doorn rudimentair. Hetzelfde bij K.valga, die overigens ook in aanmerking zou kunnen komen. Of zijn je tekeningen gespiegeld? Zou het toch niet een vorm of afwijking van K.quadrata kunnen zijn?
XXXIX, 9 is een ciliaat

XXXIX, 10 is een peritriche ciliaat (Vorticella of zo)

XXXX, 2a is eerder een samengetrokken ongepantserde rotatoor, want ciliaten zijn niet symmetrisch

XXXX, 4 kan toch geen Ankistrodesmus zijn, die vormen ~~toch~~ geen dwarswanden.

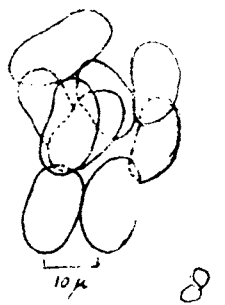
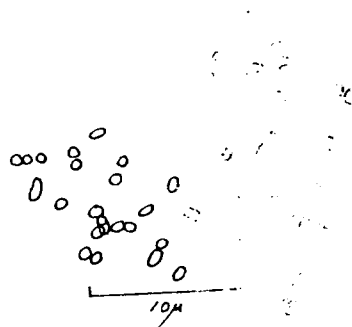
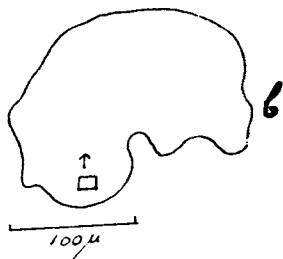
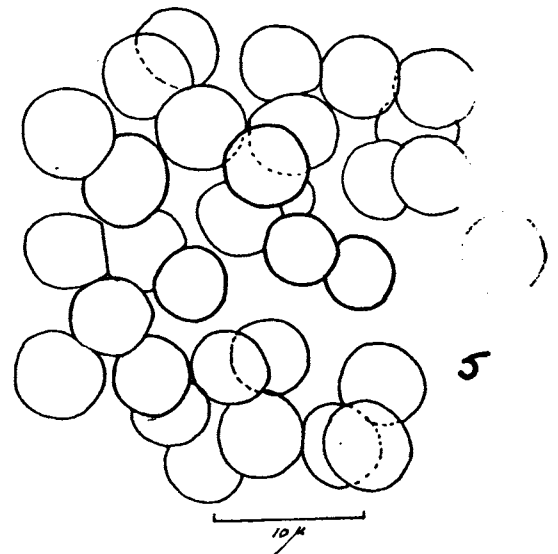
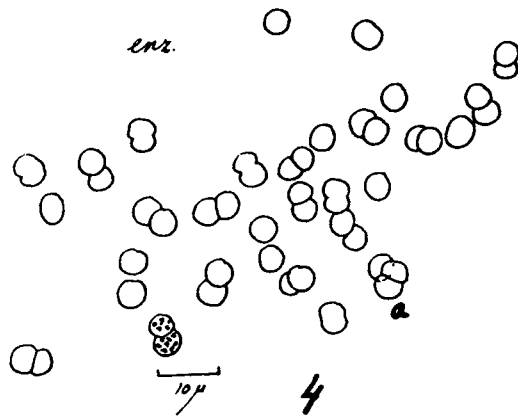
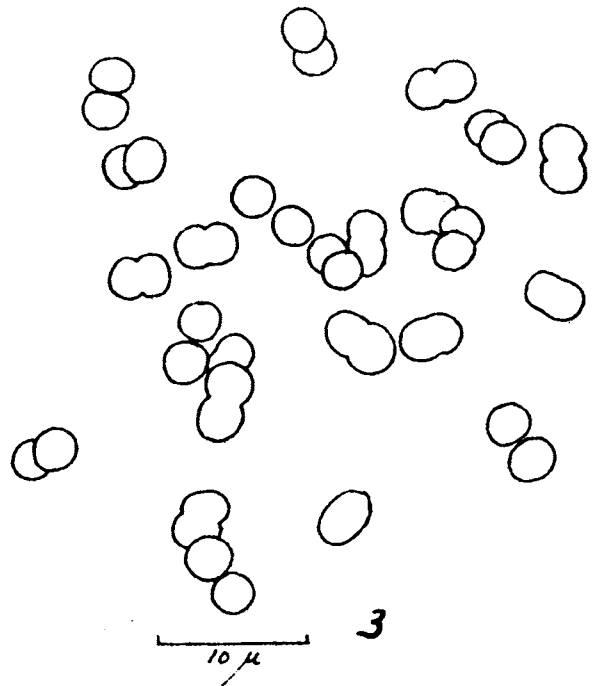
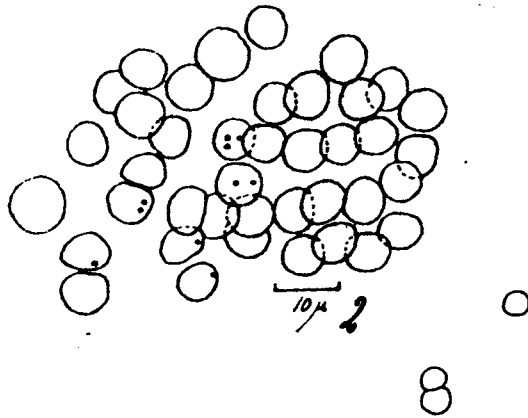
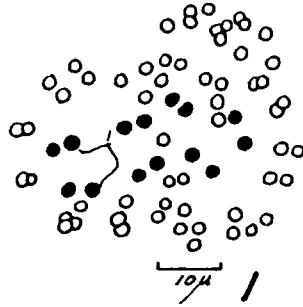
XXXX, 12 is een ciliaat uit de familie Urceolariidae (*genera urceolaria, Cyclochaeta, Trichodina*). Ze leven epizoïsch op vissen, sponzen, Hydra, etc.

P

P L A A T I

1. *Aphanocapsa elachista*
2. *Aphanocapsa* cf. *rivularis*
3. *Aphanocapsa elachista*
4. *Aphanocapsa grevillei* b. kolonievorm
5. *Aphanocapsa rivularis*
6. *Aphanothece nidulans*
7. *Aphanothece gelatinosa*
8. *Aphanothece heterospora* - rustsporen *Anabaena lemmermannii*

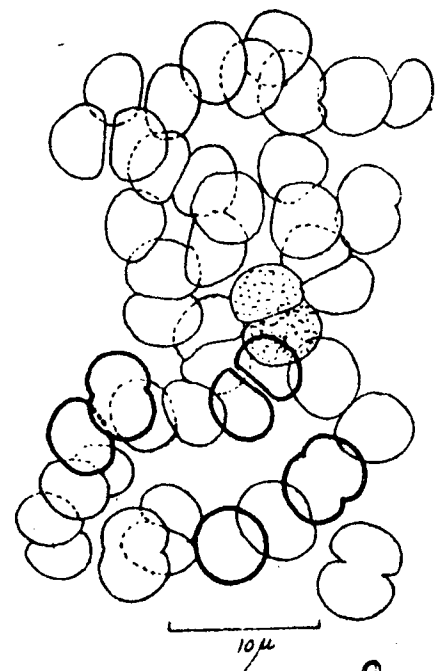
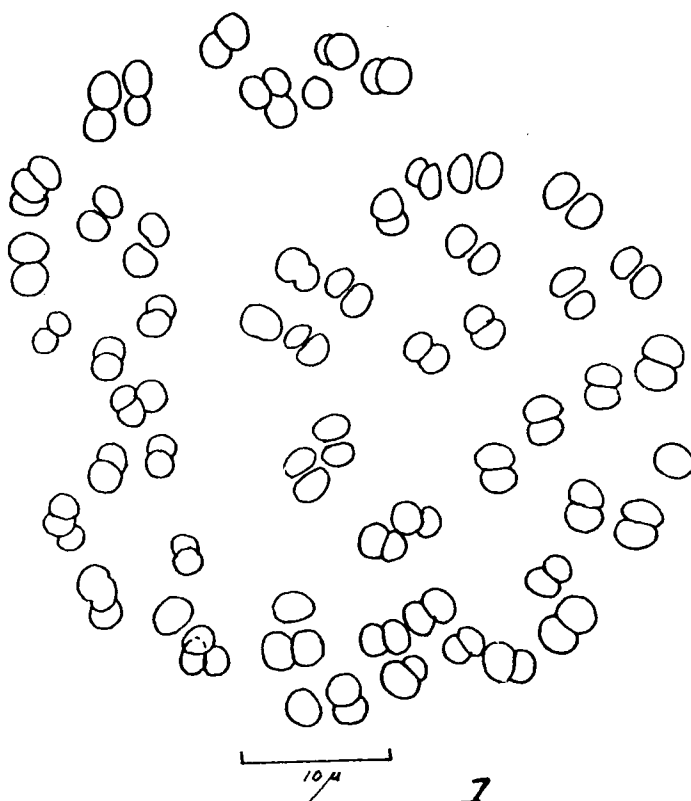
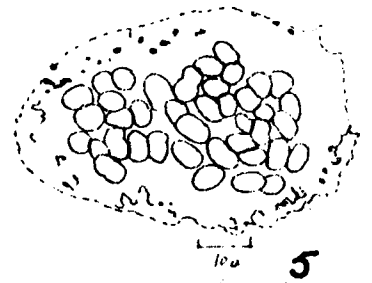
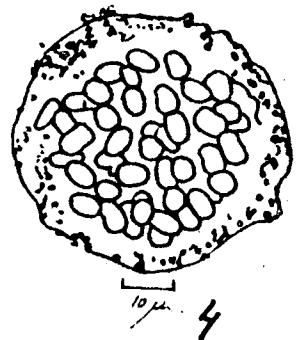
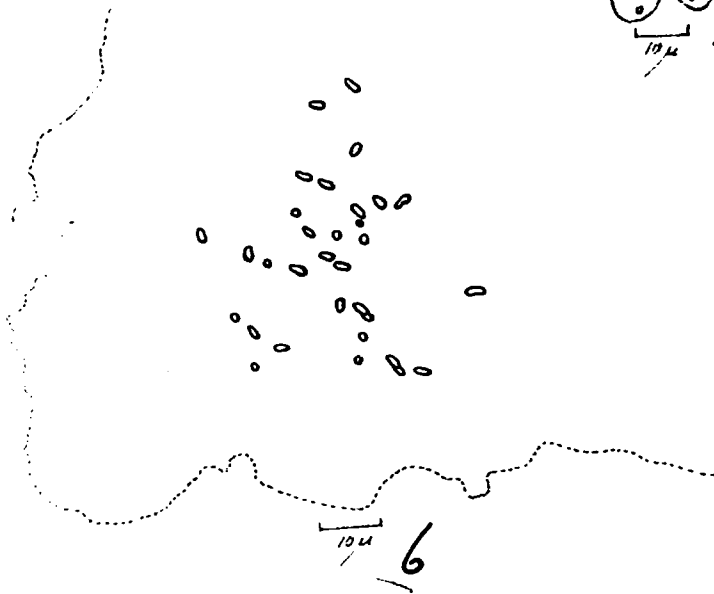
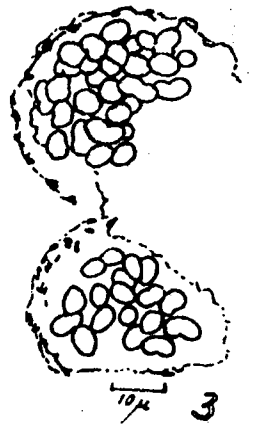
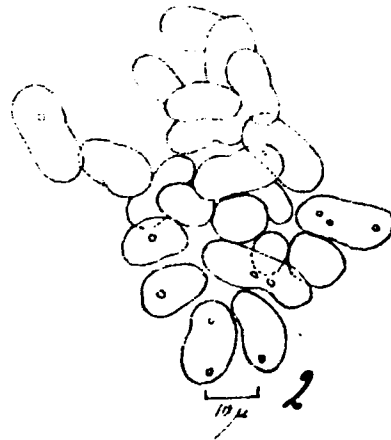
PLAAT I



PLAAT II

1. cf. *Chroococcus* spec. 979-2/2
2. cf. *Aphanothece* spec. 680-2/1
3. *Aphanothece stagnina*
4. *Aphanothece stagnina*
5. *Aphanothece stagnina*
6. *Aphanothece saxicola*
7. *Coelosphaerium kützingerianum*
8. *Chroococcus dispersus*
- 9.

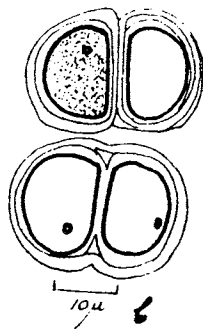
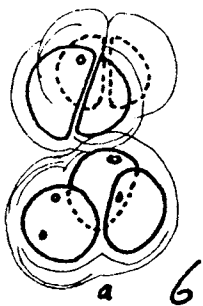
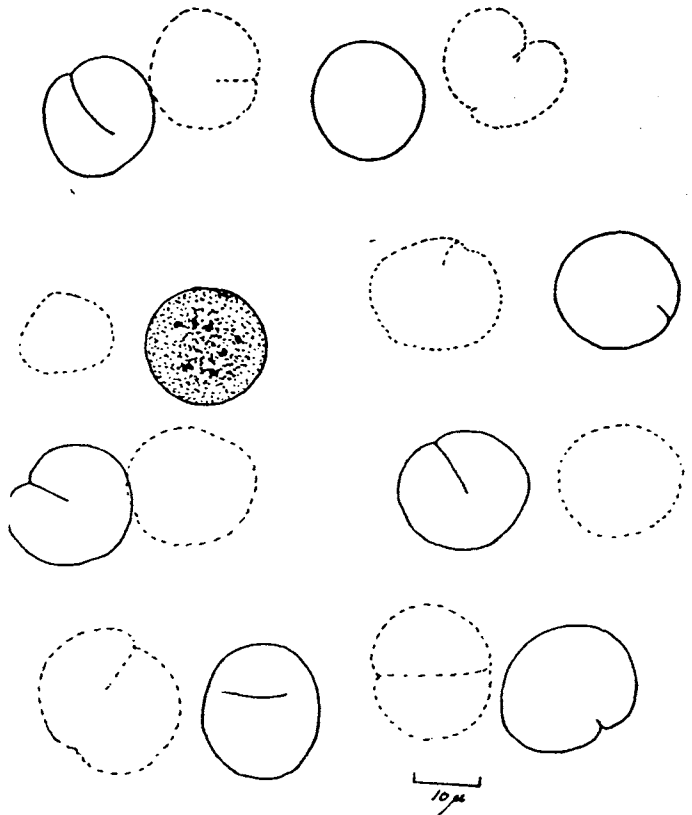
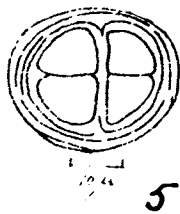
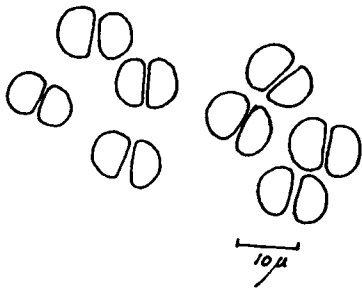
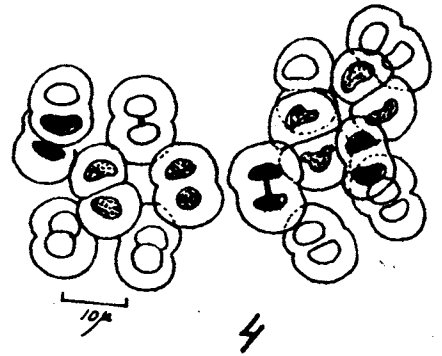
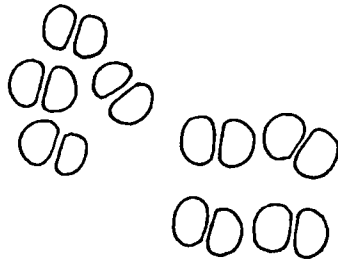
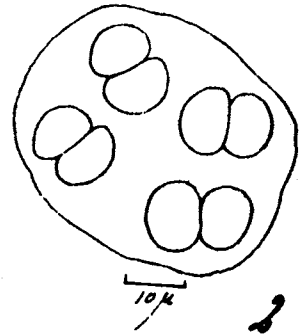
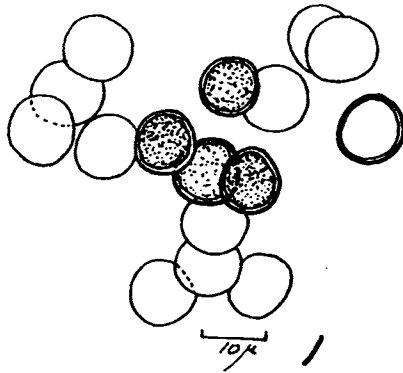
PLAAT II



P L A A T I I I

1. cf. *Blauwier spec.* 779-2/1
2. *Chroococcus limneticus*
3. *Chroococcus limneticus*
4. cf *Blauwier spec.* 979-2/1
5. *Chroococcus turgidus*
6. *Chroococcus turgidus*
7. cf *Blauwier spec.* 679-8/4

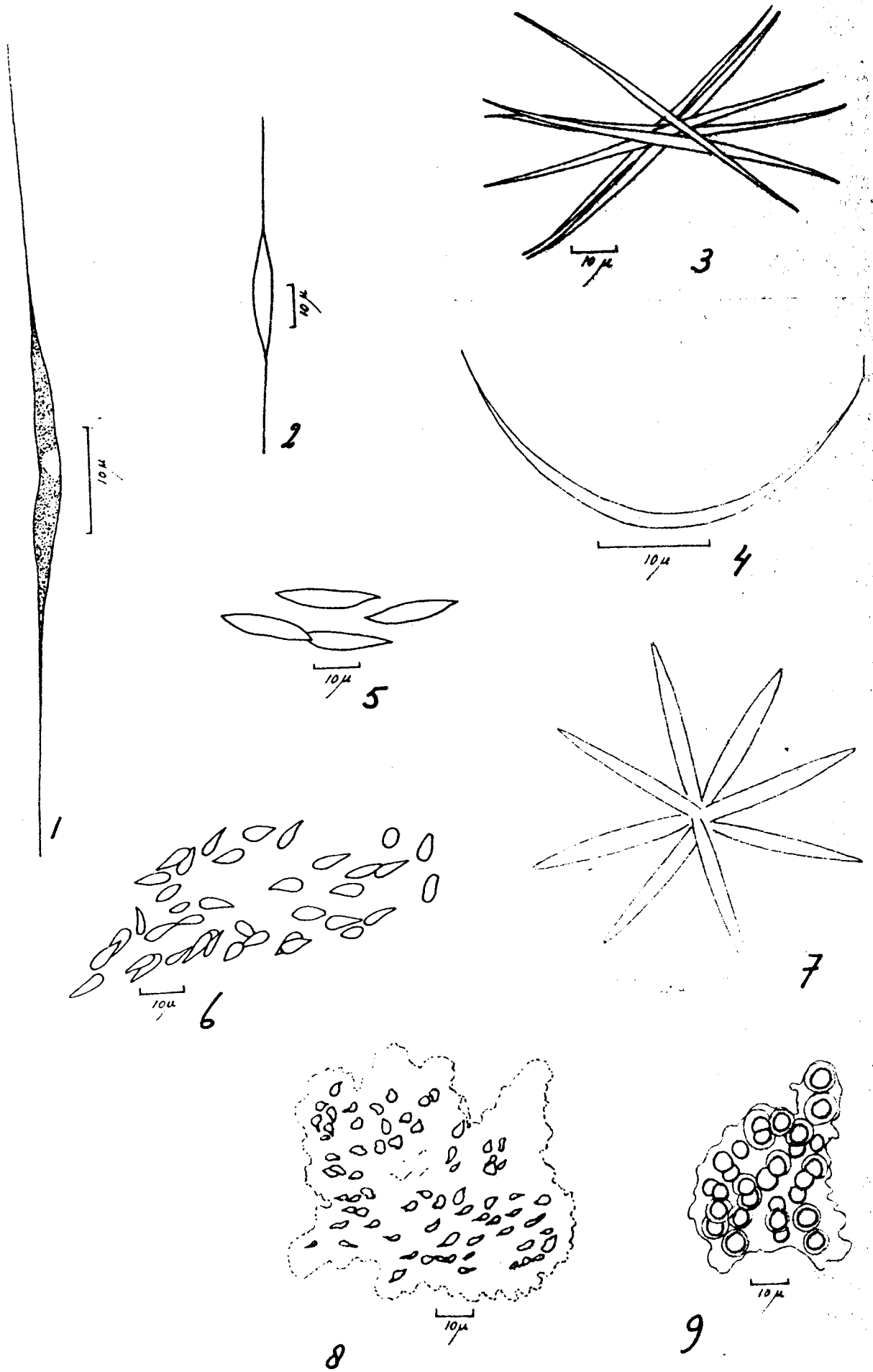
PLAAT III



PLAAT IV

1. *Dactylococcopsis acicularis*
2. *Blauwier spec. 1179-3/1* cf. *Schroederia* (Salomé)
3. *Dactylococcopsis africana*
4. *Dactylococcopsis raphidioides*
5. *Dactylococcopsis Smithii*
6. *Dactylococcopsis Smithii*
7. cf. *Dactylococcopsis spec. 779-5/2* cf. *Retinostium* (Salomé)
8. *Dactylococcopsis spec. 1080-8/1*
9. *Gloeocapsa spec. 181-1/1*

PLAAT IV



LIMNOLOGISCH INSTITUUT

van de Koninklijke Nederlandse Akademie van Wetenschappen

No.:
Uw brief:

NIEUWERSLUIS, 30 mrt. 1983
"Vijverhof"
Tel. (02943) 3251-3252

Beste Miep,

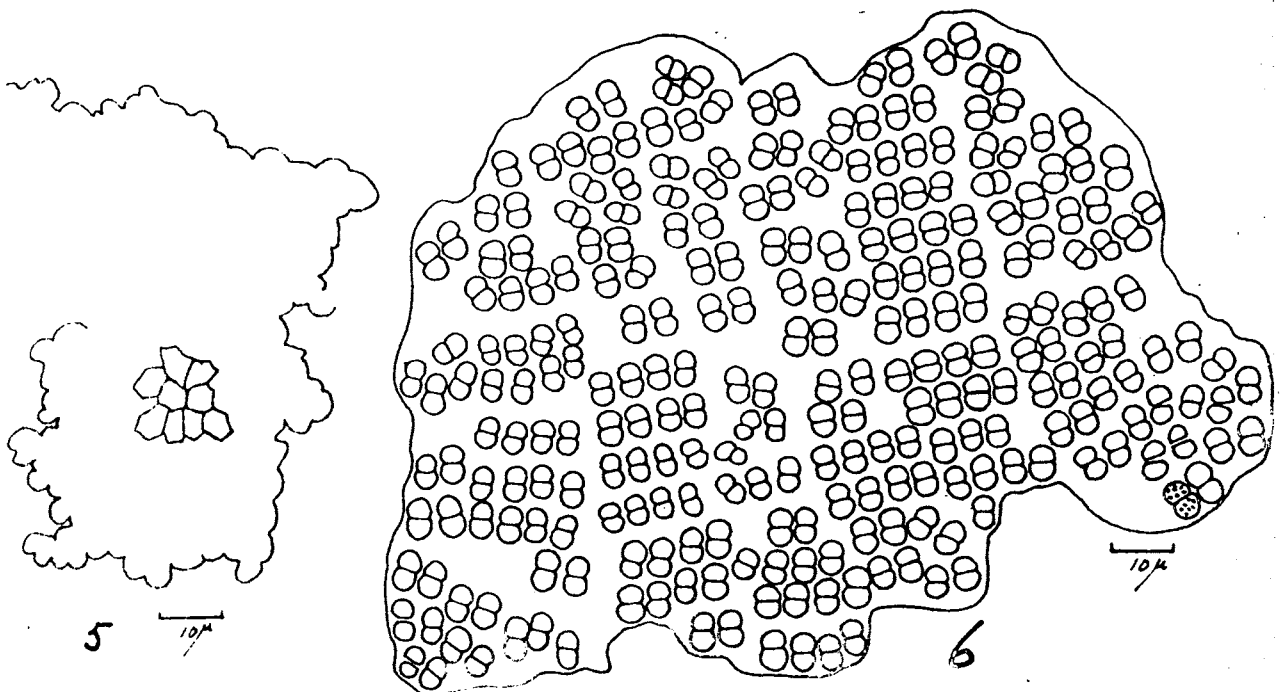
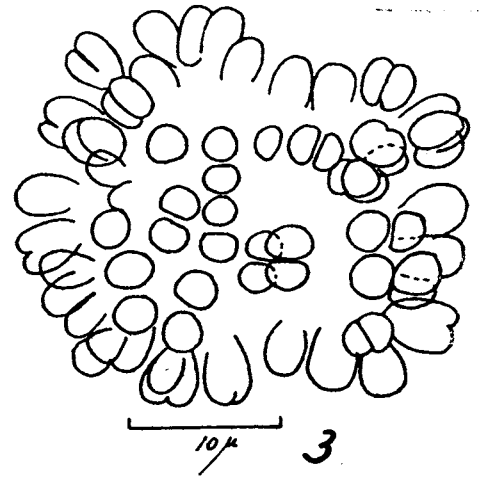
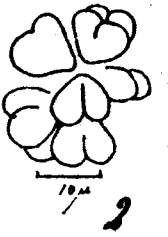
Enige tijd geleden was Mannie Geelen hier. Zij heeft bij v. Heusden ± 1952 planten van Loosdrecht bekeken, en was erg geïnteresseerd, ook in jouw lijst. *Microcystis aeruginosa* was toen erg algemeen, en wij zochten ernaar in je tekeningen. Zo kwamen we bij Plaat II, 4 van de nieuwe reeks. Is dat geen *Micr. aerug.*? Holopedium heeft geen gasvacuolen en grotere cellen. Het rapport van Nel moet nog vermenigvuldigd worden, het

Mond. commentaar: deze soort is plat. Kruisel heb. inwendend niet erg overtuigend is.

PLAAT V

1. Gloeotheca distans
2. Gomphosphaeria aponina var. cordiformis
3. Gomphosphaeria aponina var. delicatula
4. Holopodia disteli
5. Blauwviertkolonie spec. 480-1/2 *Micrococcis*
6. cf. Merismopedia elegans

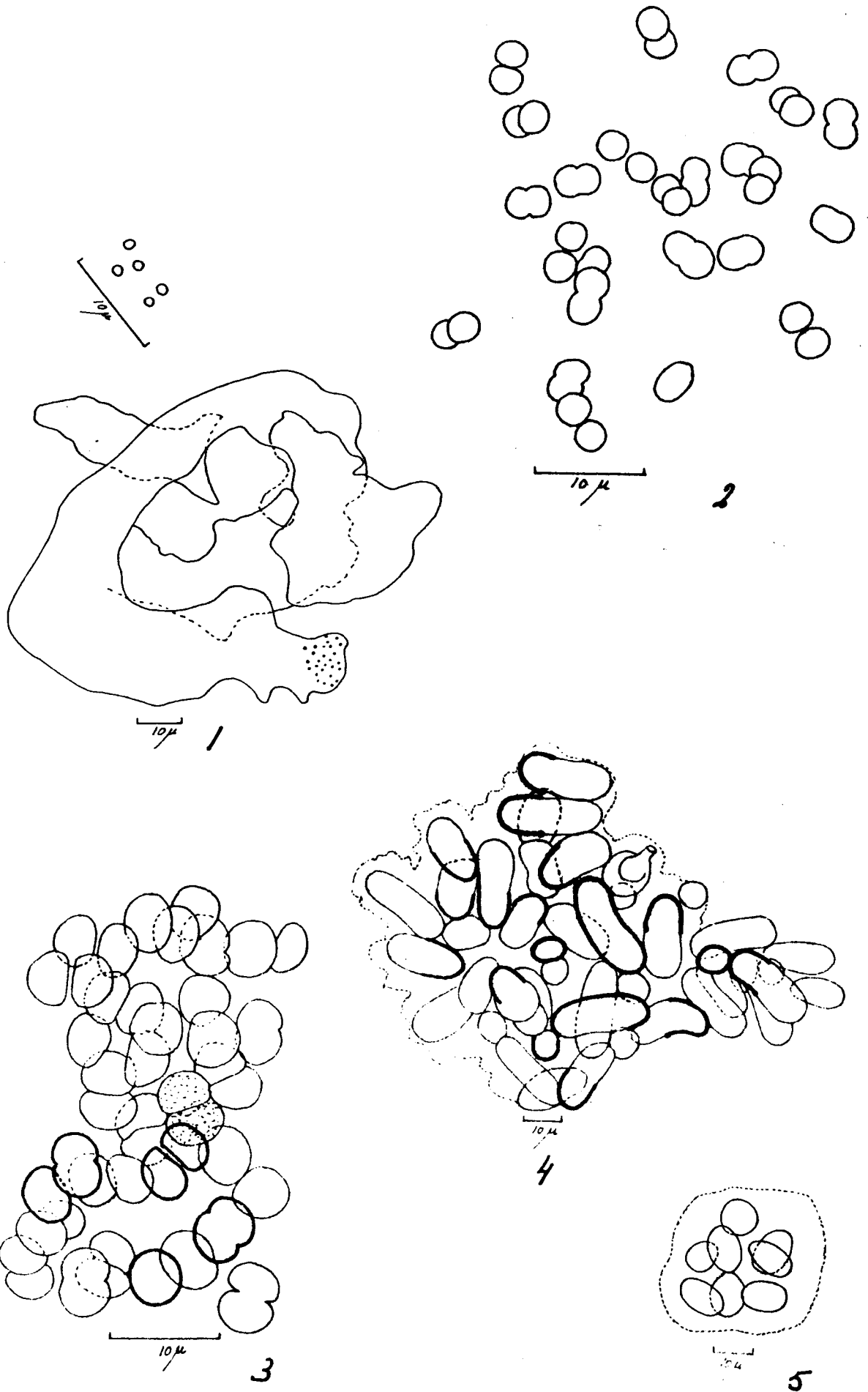
PLAAT V



PLAAT VI

1. *Microcystis incerta*
2. *Aphanocapsa elachista* (dubbel, zie Pl. I-3)
3. *Chroococcus dispersus* (dubbel, zie Pl. II-8)
4. Blauwier spec. 780-1/1 *Scenedesmus communis*
5. *Gloeocystis ampla* (groenwier)

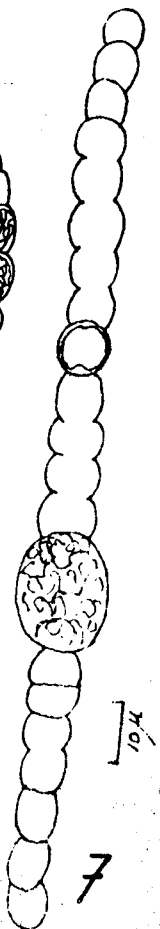
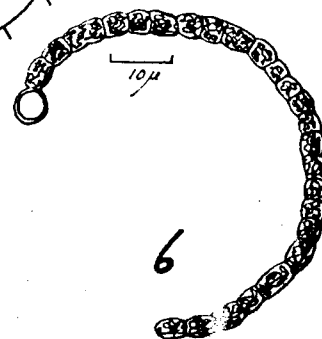
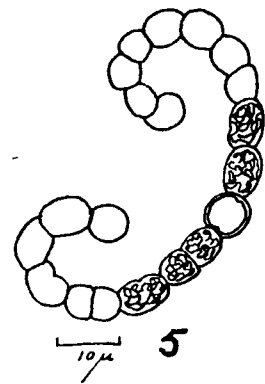
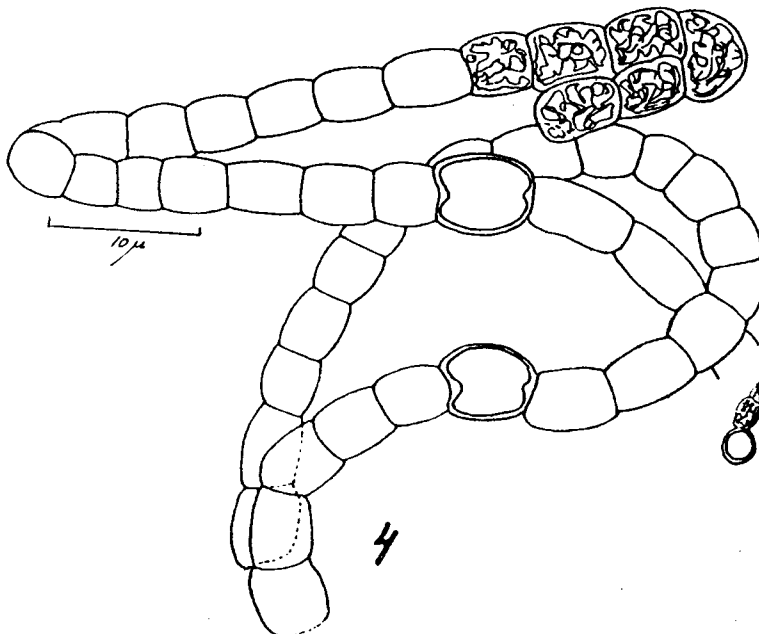
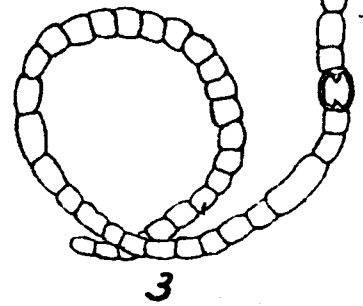
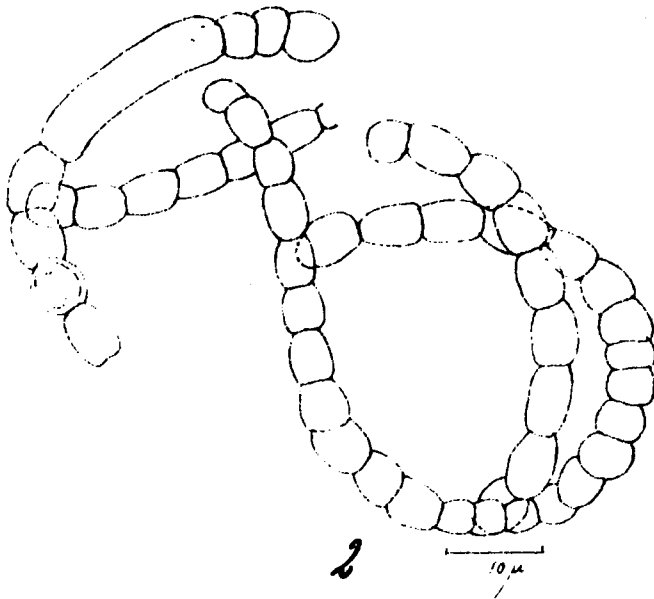
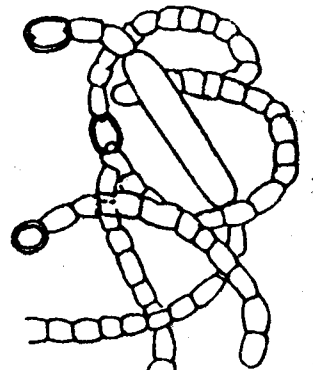
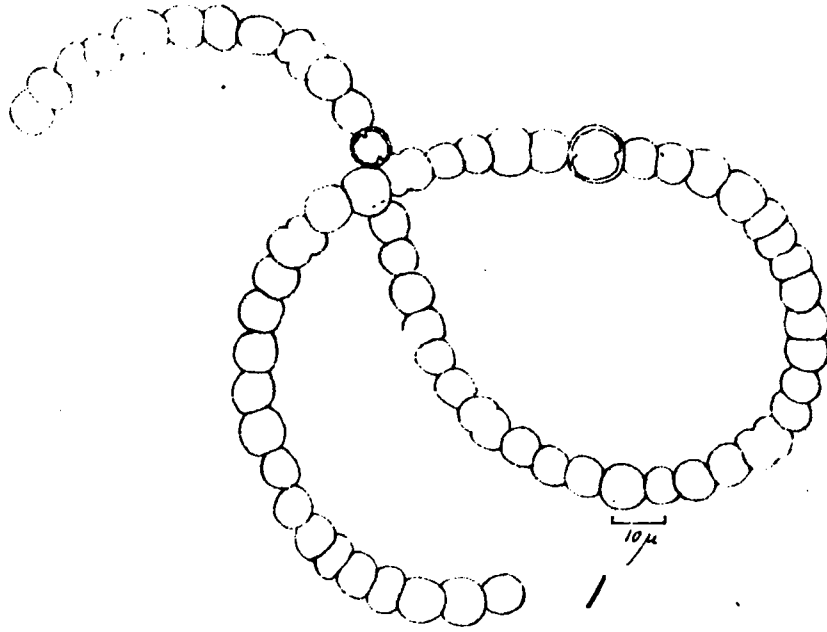
PLAAT VI



P L A A T VII

1. **Anabaena cf Hassalii**
2. **Anabaena spec. 680-4/1**
3. **Anabaena flas-aquae**
4. **Anabaena flos-aquae v. treleasi**
5. **Anabaena contorta**
6. **Anabaena cf. circinalis**
7. **Anabaena cf. affinis**

PLAAT VII

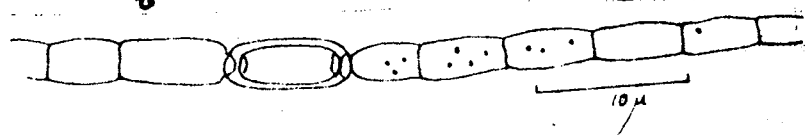
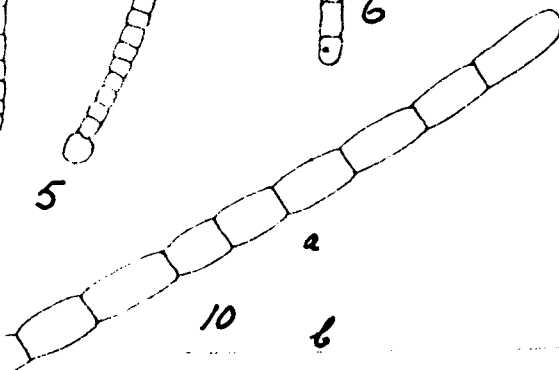
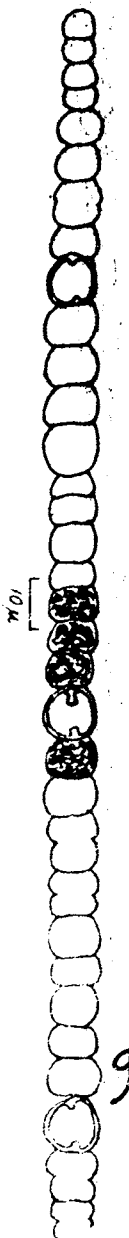
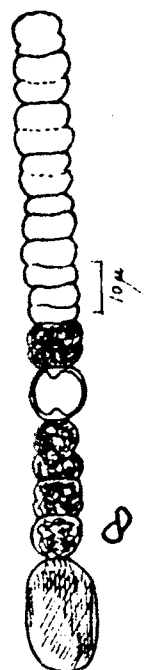
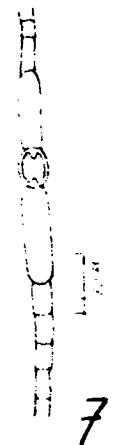
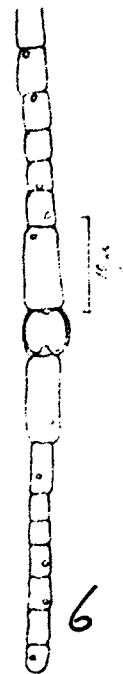
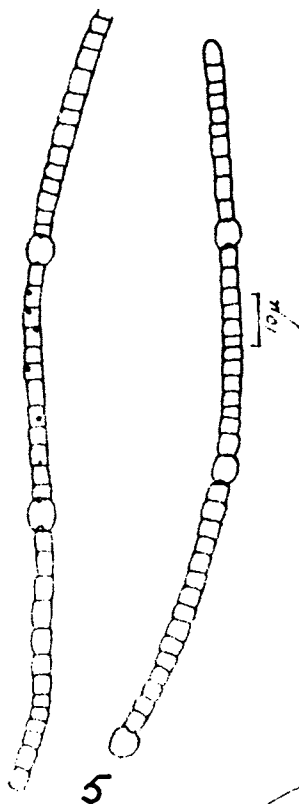
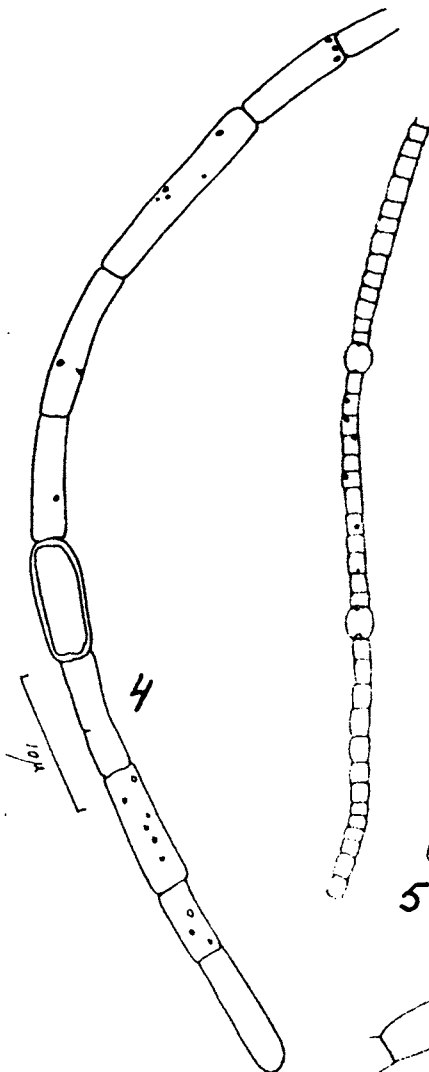
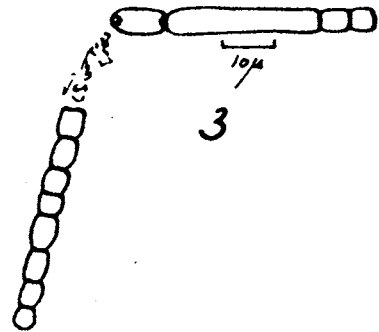
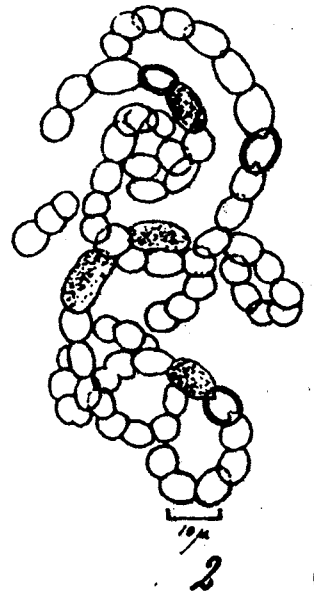
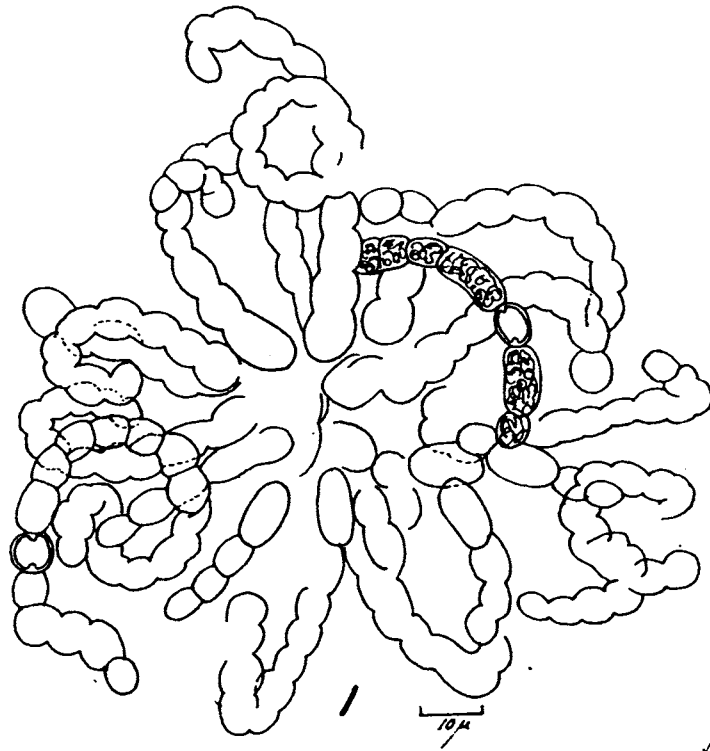


P L A A T

VIII

1. *Anabaena lemmermanni*
2. *Anabaena spec.* 680-1/1
3. *Anabaena spec.* 1180-1/1
4. *Anabaena spec.* 579-6/1 - *Sphaerocapsa* ?
5. *Anabaena spec.* 880-3/1
6. *Anabaena cf. oscillaroides v. tenuis*
7. *Anabaena spec.* 879-3/A
8. *Anabaena planctonica*
9. *Anabaena cf. solitaria spec.* 880-3/2
10. *An*
10. *Anabaena spec.* 979-2/5 *Sphaerocapsa*

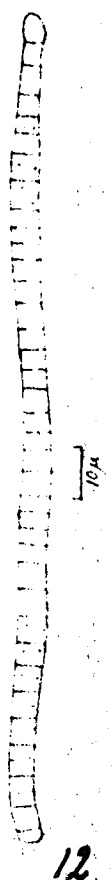
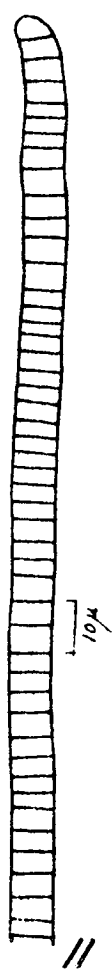
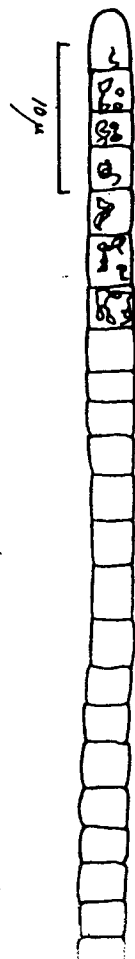
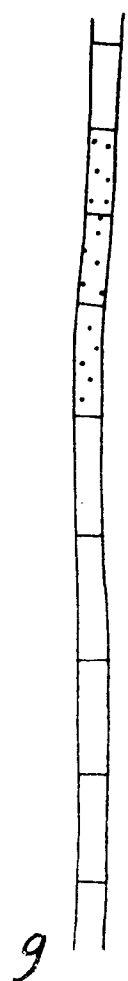
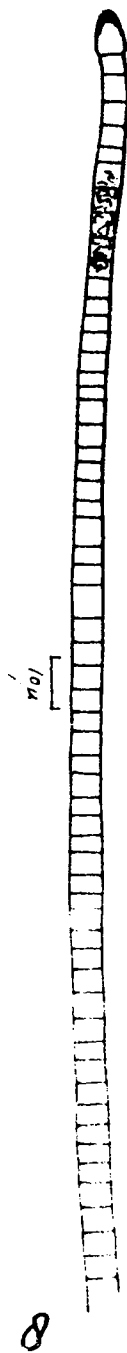
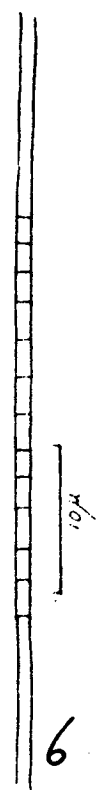
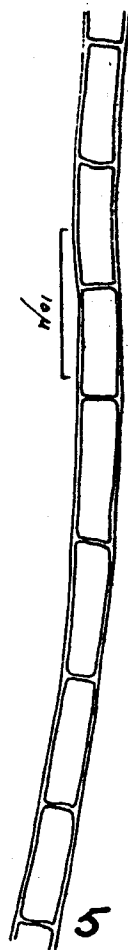
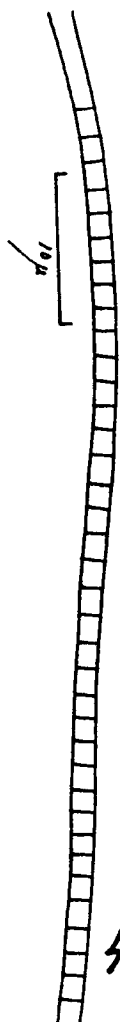
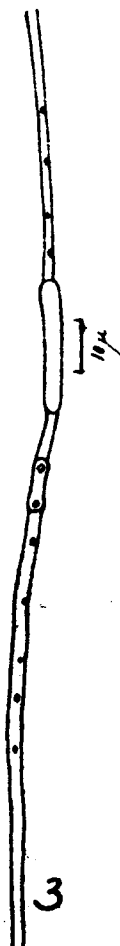
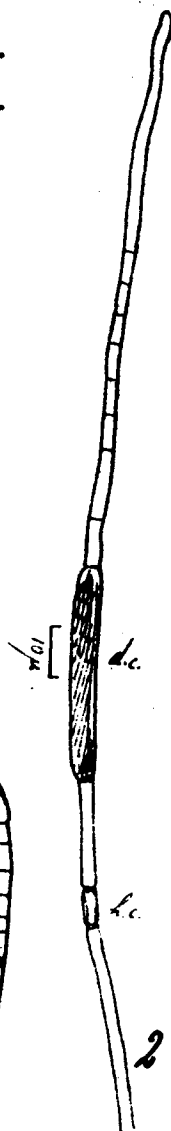
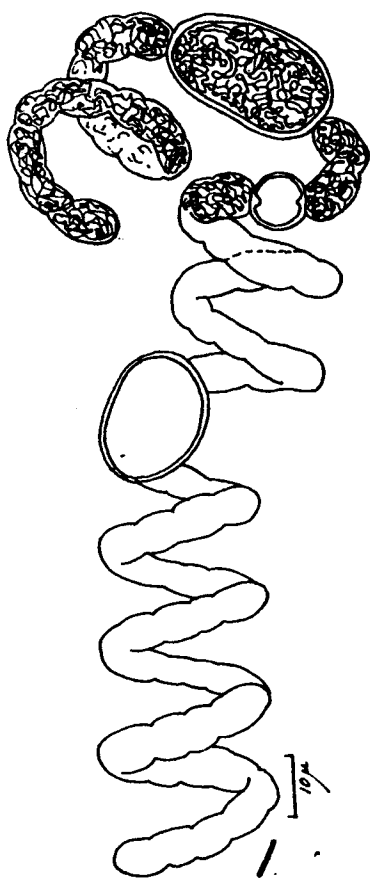
PLAAT VIII



P L A A T I X

1. *Anabaena spiroides*
2. *Aphanizomenon flos-aquae*
3. *Anabaena spec. 580-6/1*
4. *Lyngbya limnetica*
5. *Lyngbya limnetica*
6. *Lyngbya limnetica* kleincellig
7. *Lyngbya limnetica*
8. cf. *Oscillatoria agardhii*
9. *Oscillatoria cf. amphibia*
10. *Oscillatoria tenuis*
11. *Oscillatoria chalybea*
12. *Oscillatoria cf. chlorina*

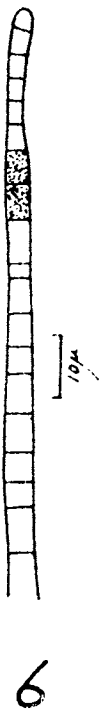
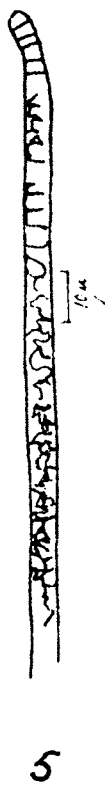
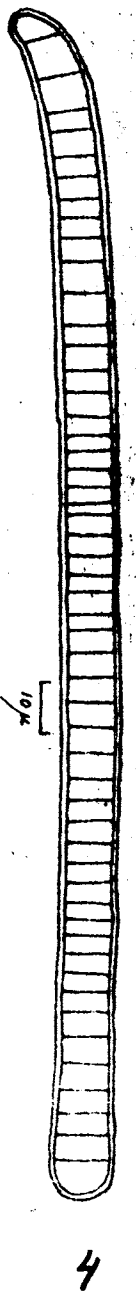
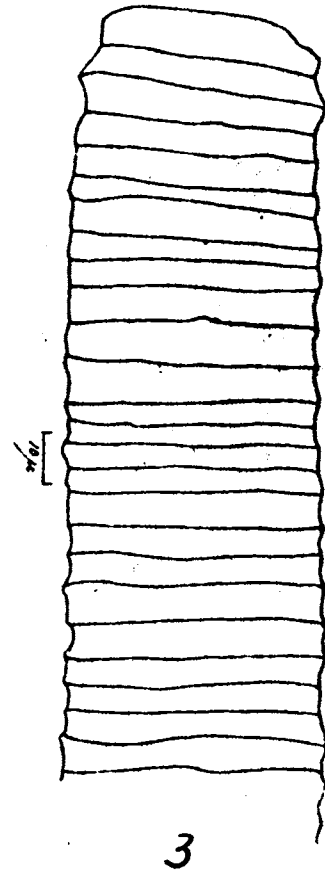
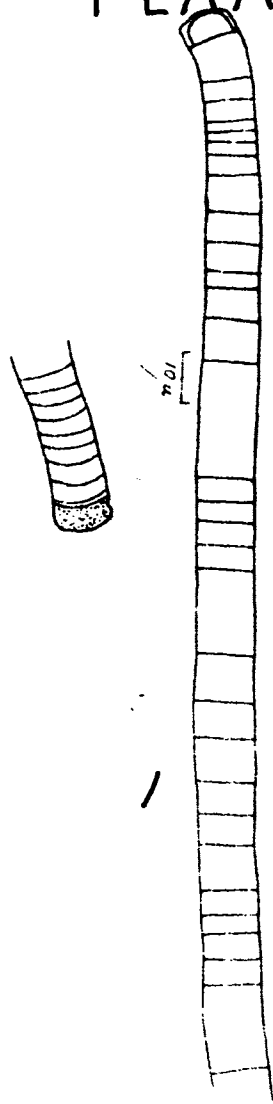
PLAAT IX



P L A A T X

1. *Oscillatoria limosa*
2. cf. *Oscillatoria mougeotii*
3. *Oscillatoria princeps*
4. cf. *Oscillatoria simplicissima*
5. *Oscillatoria spec. 181-1/3*
6. *Oscillatoria spec. 779-5/3*

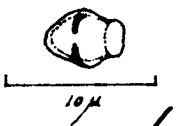
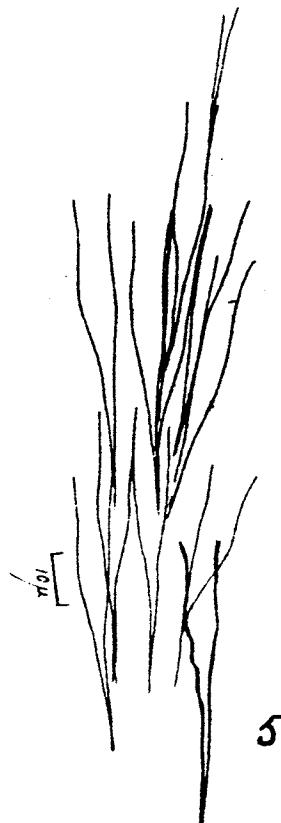
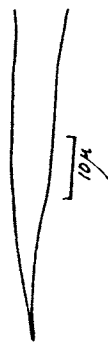
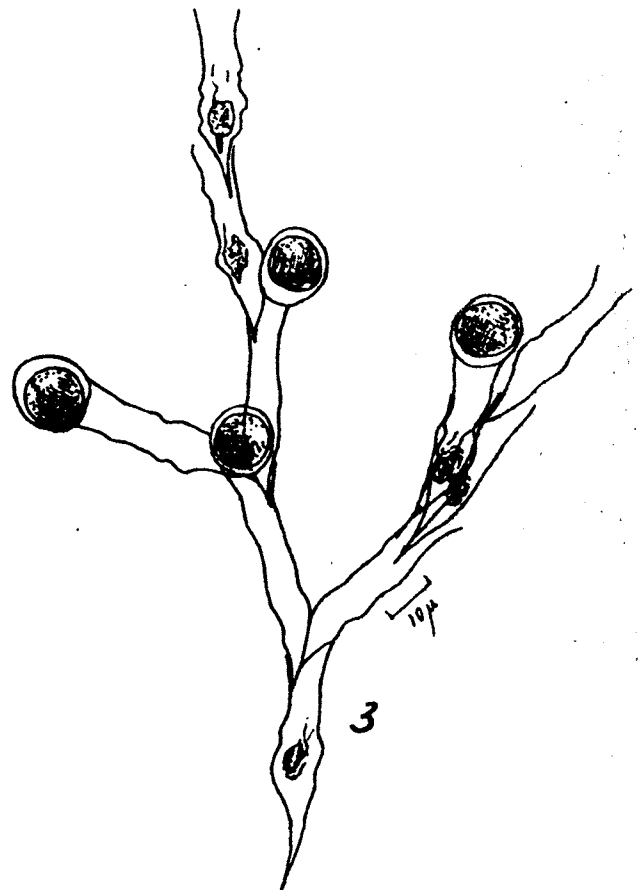
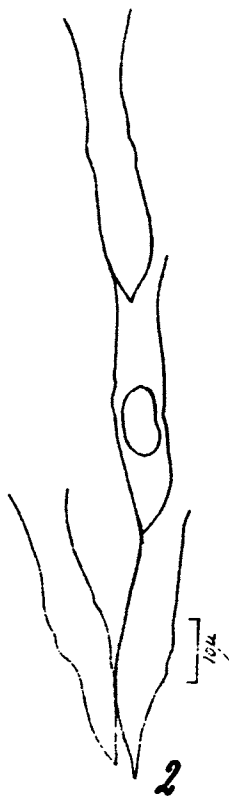
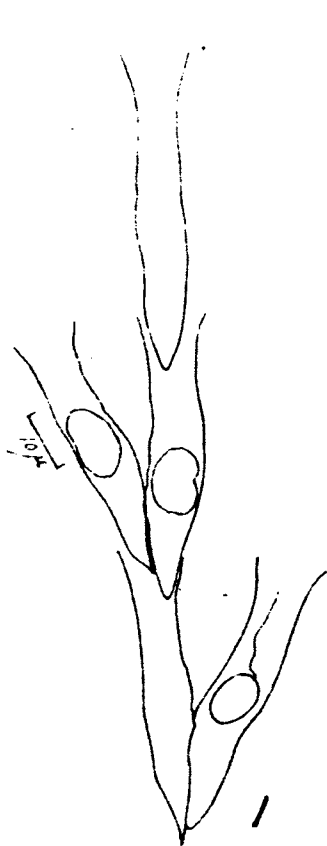
PLAAT X



P L A A T X I

1. **Dinobryon cylindricum**
2. **Dinobryon cylindricum**
3. **Dinobryon divergens**
4. **Dinobryon sociale**
5. **Dinobryon sociale v. stipitatum**
6. **Kephyrion rubri-claustri**
7. **Kephyrion hemisphaericum**
8. **Pseudokephyrion spirale**

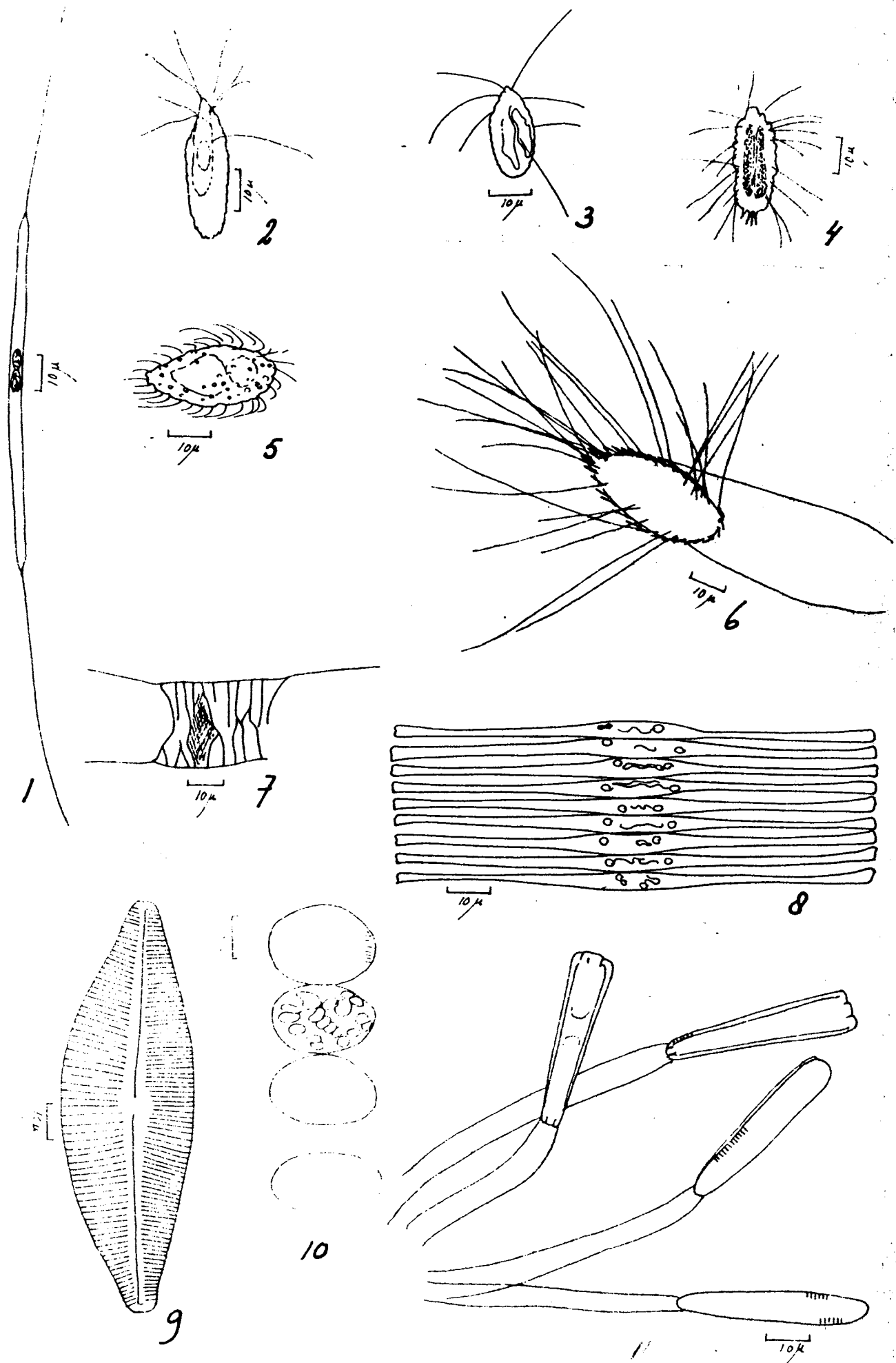
PLAAT **XI**



P L A A T XII

1. *Rhizosolenia longiseta*
2. *Mallomonas* cf. *tonsurata*
3. *Mallomonas* cf. *tonsurata*
4. cf. *Mallomonas* 1181-10/1
5. *Mallomonas* spec. 679-1/4
6. *Mallomonas* spec. 1181-10/2
7. *Attheya zachariasii*
8. *Fragilaria crotonensis*
9. *Cymbella ehrenbergii*
10. cf. *Centricaat* in geleel spec. 280-7/11
11. *Gomphonema* spec.

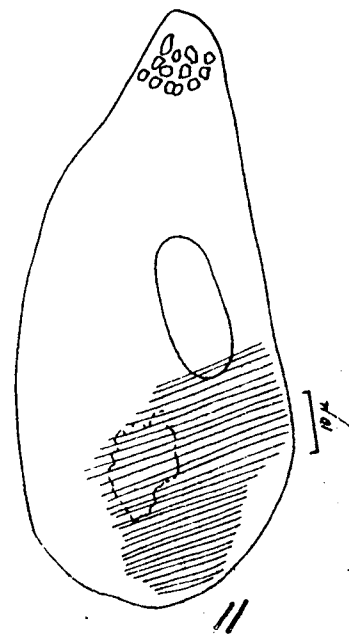
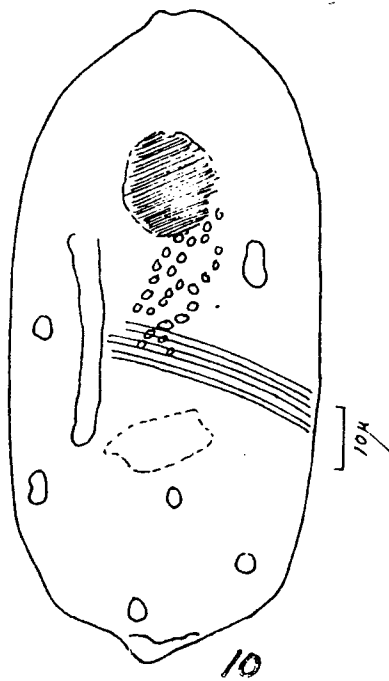
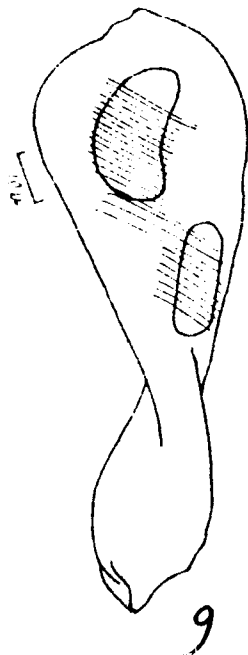
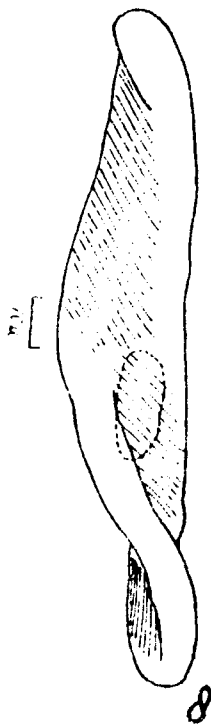
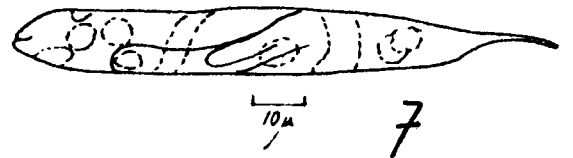
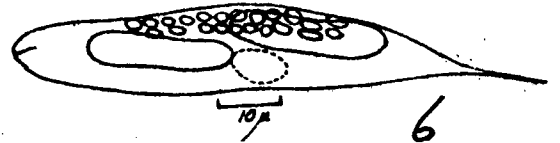
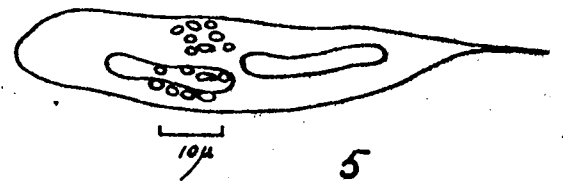
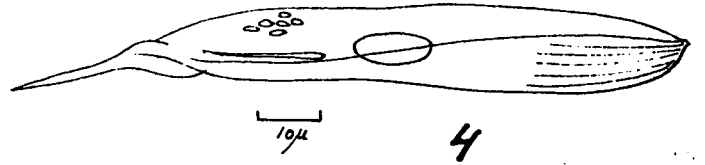
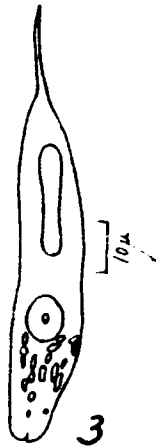
PLAAT XII



P L A A T XIII

1. cf. *Tribonema* spec. 580-8/1 *Microspora?* Theo
2. *Ophiocytium capitatum* v. *longispinum*
3. *Euglena allorgei*
4. *Euglena allorgei*
5. *Euglena* spec. 380-3/2
6. *Euglena allorgei*
7. *Euglena* spec. 881-2/1
8. *Euglena* cf. *ehrenbergii*
9. *Euglena* cf. *ehrenbergii*
10. *Euglena* spec. 879-1/1
11. *Euglena* spec. 779-1/6

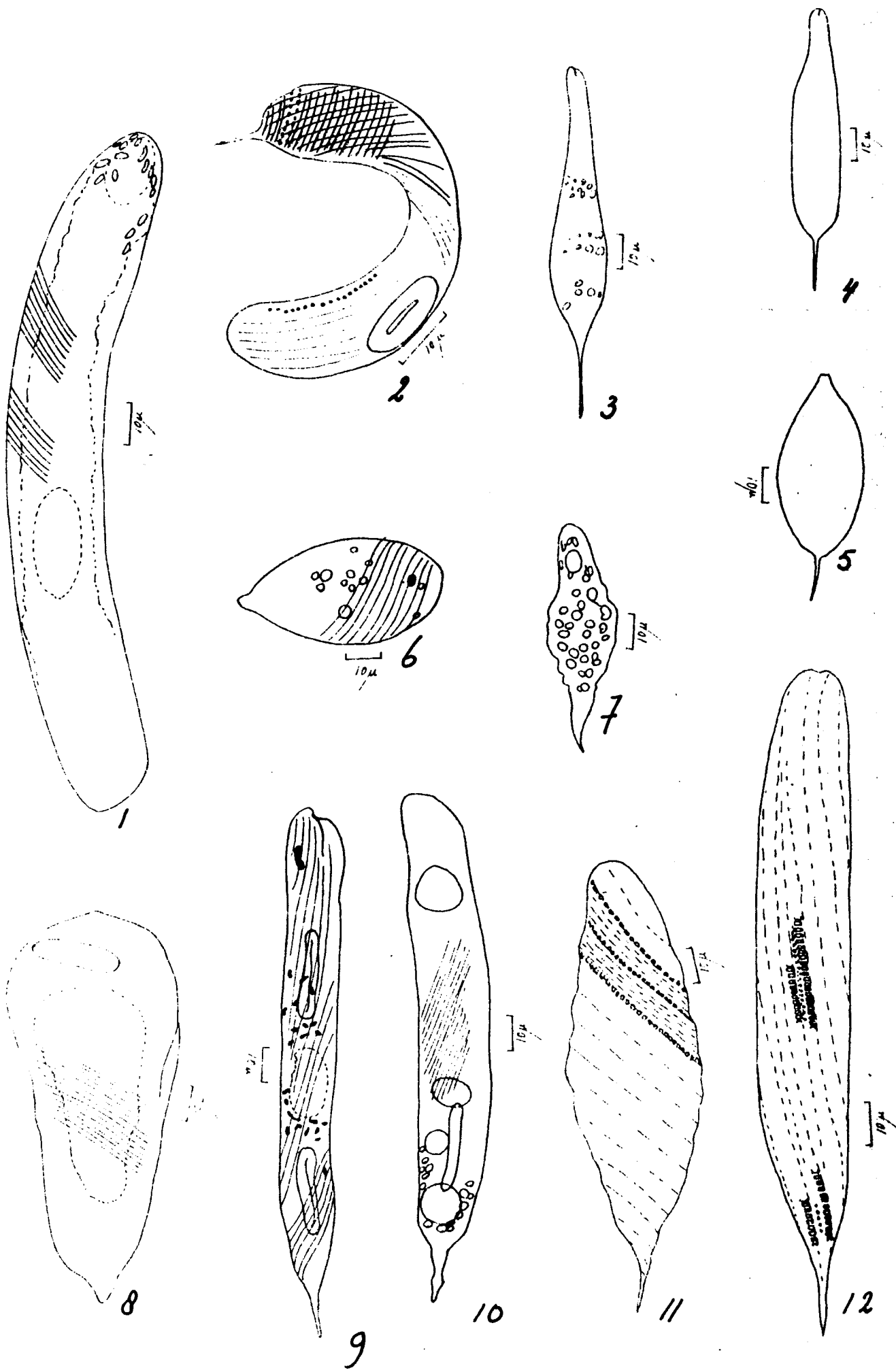
PLAAT XIII



P L A T XIV

1. *Euglena spec.* 779-5/4
2. *Euglena grisoli*
3. *Euglena cf. mutabilis*
4. *Euglena spec.* 381-7/1
5. *Euglena spec.* 381-7/2
6. *Euglena cf. oblonga*
7. *Euglena proxima*
8. *Euglena cf. oblonga spec.* 780-4/1
9. *Euglena oxyuris*
10. *Euglena spec.* 881-10/2
11. *Euglena cf. spirogyra*
12. *Euglena spirogyra*

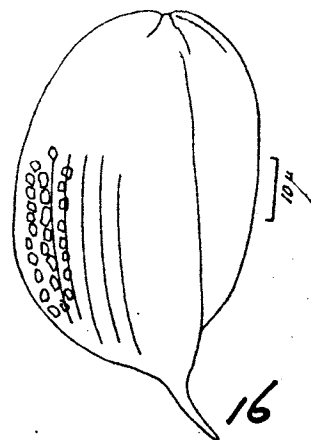
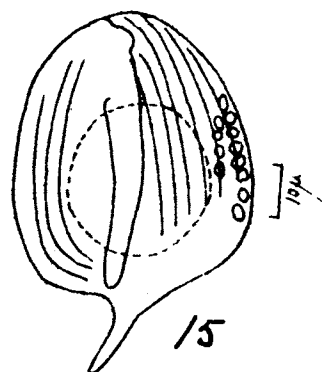
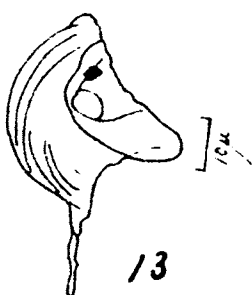
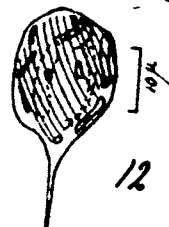
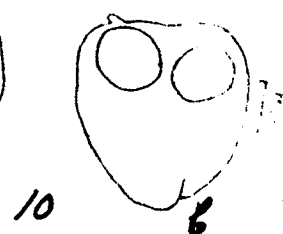
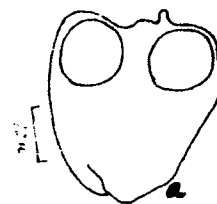
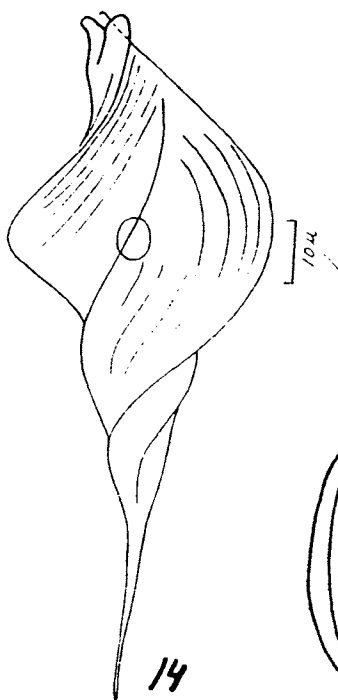
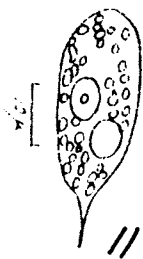
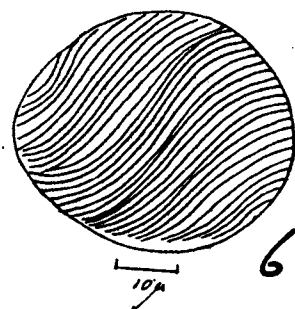
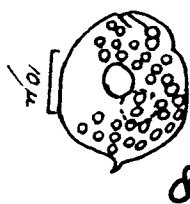
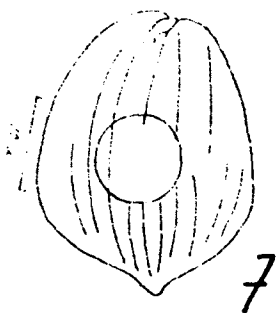
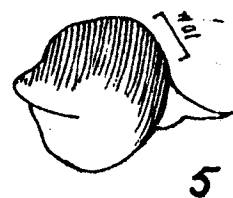
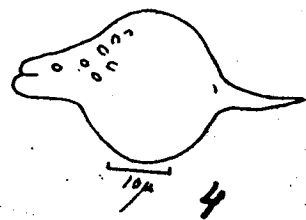
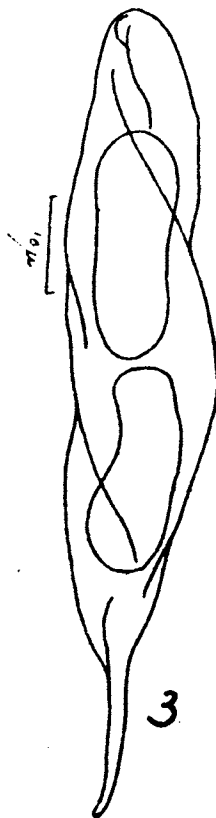
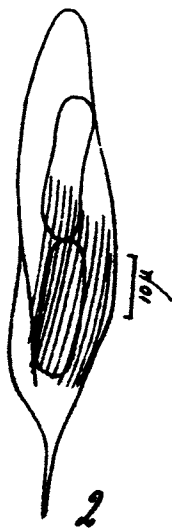
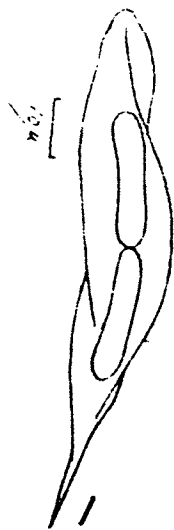
PLAAT XIV



P L A A T X V

1. *Euglena tripteris*
2. *Euglena* cf. *tripteris* spec. 280-8/1
3. *Euglena* cf. *tripteris*
4. *Euglena* spec. 779-1/4
5. *Euglena* spec. 981-7/1
6. *Lepocinclis* spec. 779-1/8
7. *Phacus acuminatus*
8. *Phacus acuminatus*
9. *Phacus acuminatus*
10. *Phacus acuminatus*
11. *Phacus* cf. *caudatus*
12. *Phacus* cf. *mirabilis*
13. *Phacus circumflexus*
14. *Phacus helikoides*
15. *Phacus orbicularis*
16. *Phacus orbicularis*

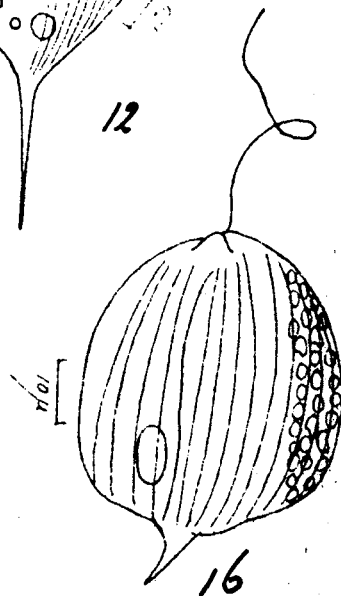
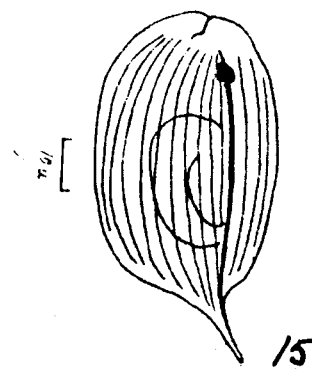
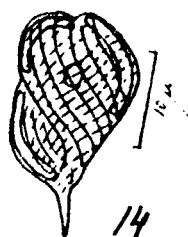
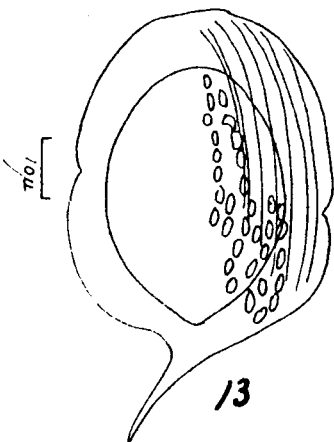
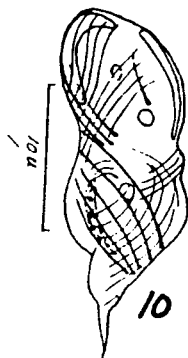
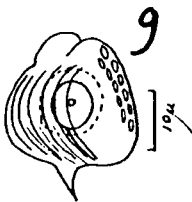
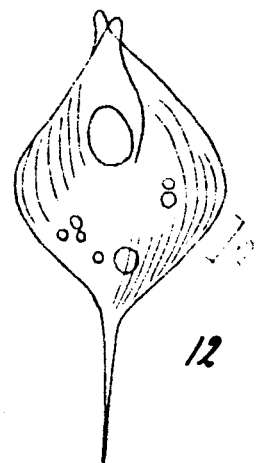
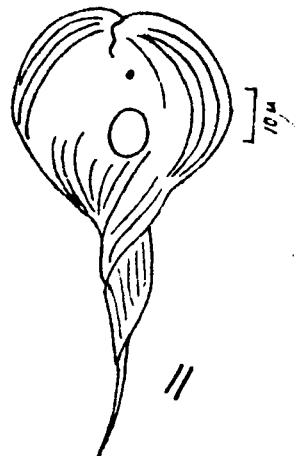
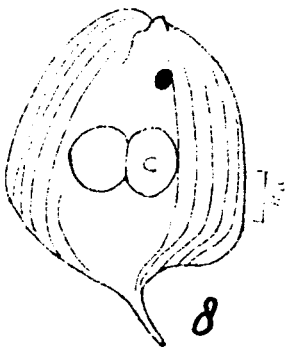
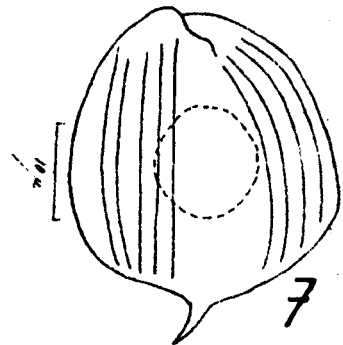
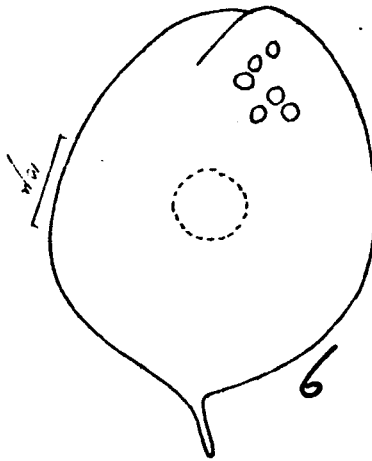
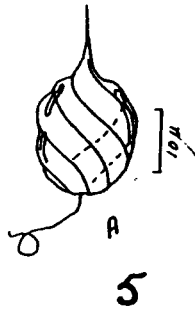
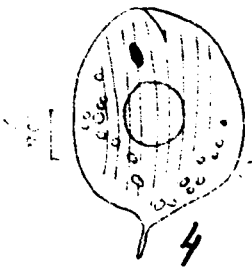
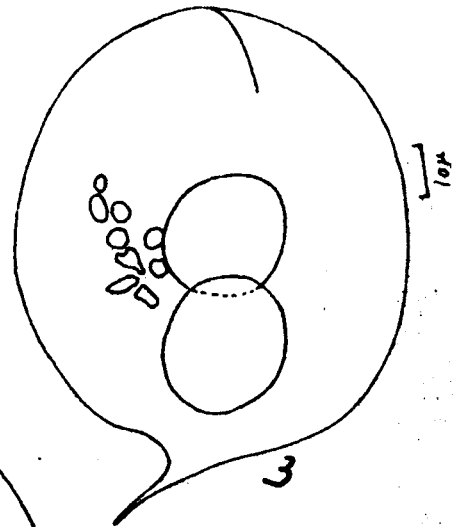
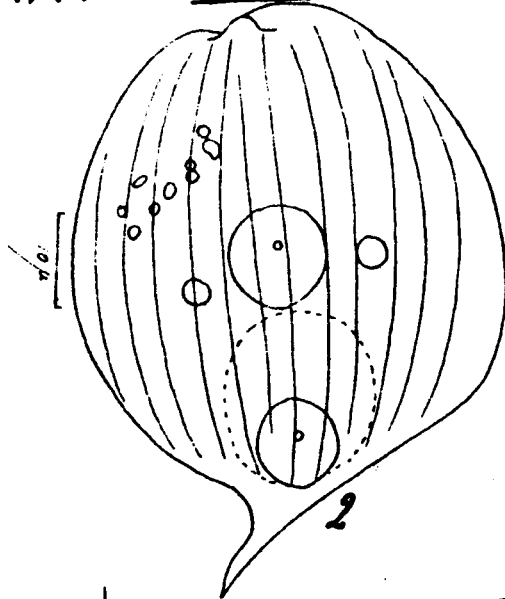
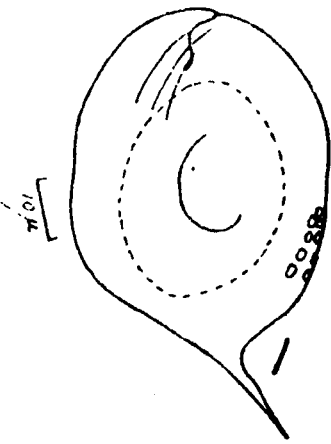
PLAAT XV



P L A A T XVI

1. **Phacus cf. orbicularis**
2. **Phacus orbicularis**
3. **Phacus cf. undulatus**
4. **Phacus cf. platalea**
5. **a. Phacus pseudonordstedtii b. Phacus spec. 779-1/5**
6. **Phacus swirenkoi**
7. **Phacus cf. swirenkoi**
8. **Phacus pleuronectes**
9. **Phacus cf. pseudoswirenkoi**
10. **Phacus spec. 479-7/1**
11. **Phacus tortus**
12. **Phacus tortus**
13. **Phacus cf. undulatus**
14. **Phacus cf. raciborskii**
15. **Phacus cf. triqueter**
16. **Phacus triqueter**

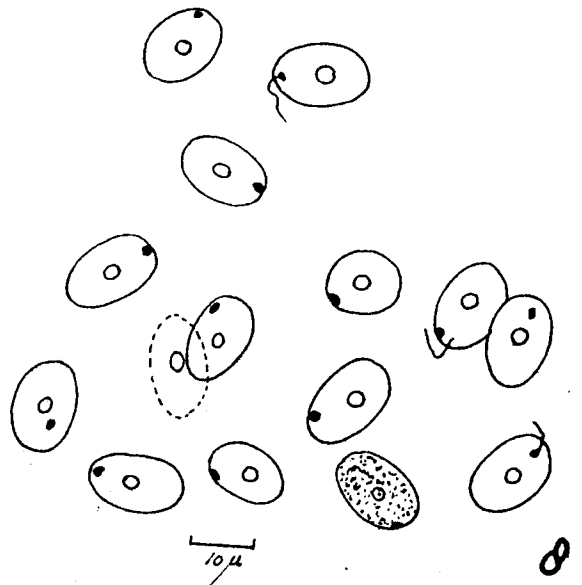
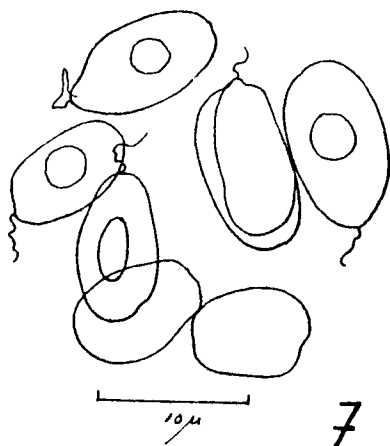
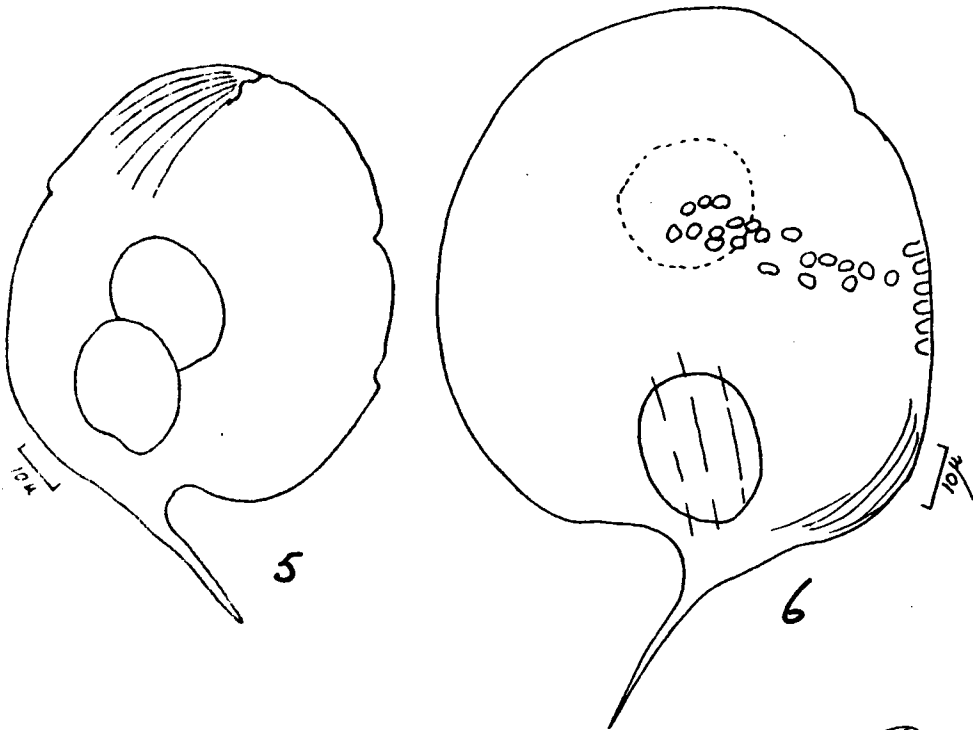
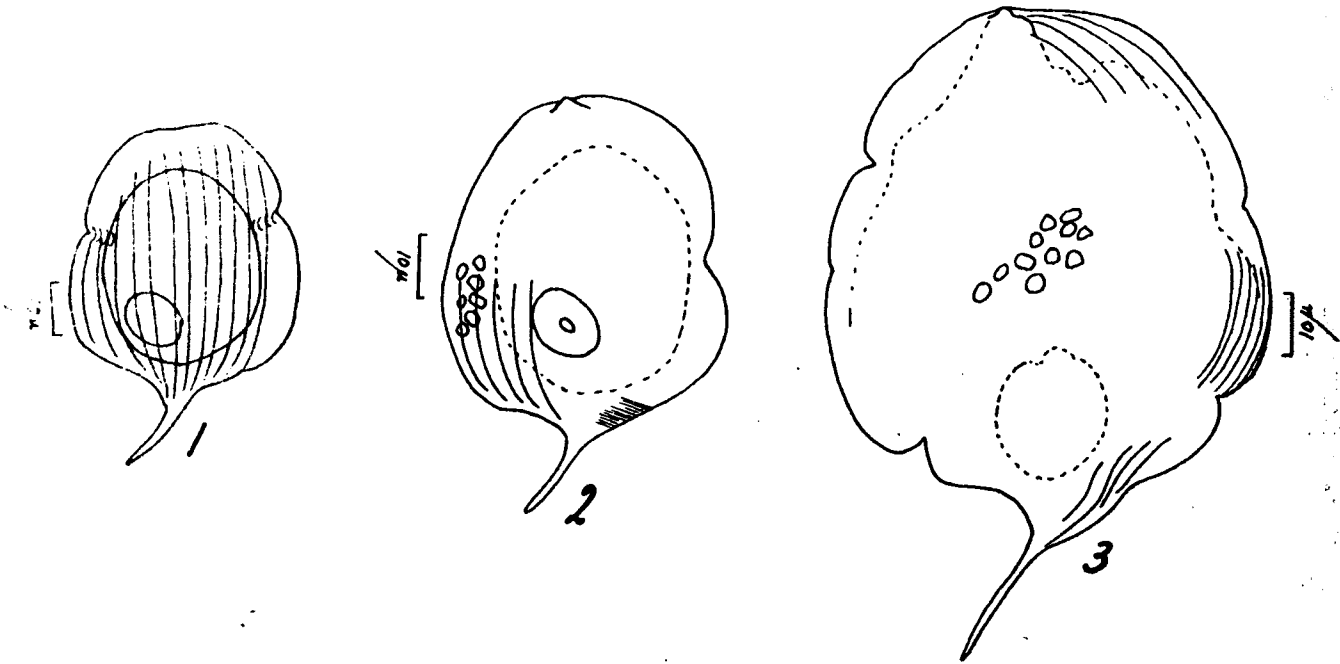
PLAAT XVI



P L A A T XVII

1. **Phacus undulatus**
2. **Phacus cf. undulatus**
3. **Phacus undulatus f. major**
4. **Phacus spec. 280-1/1**
5. **Phacus cf. undulatus f. major**
6. **Phacus spec. 679-1/1**
7. **Flagellaten spec. 579-7/1**
8. **Groenwier spec. 679-5/2**

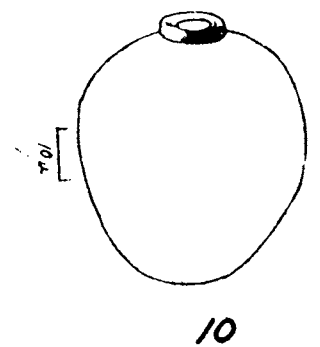
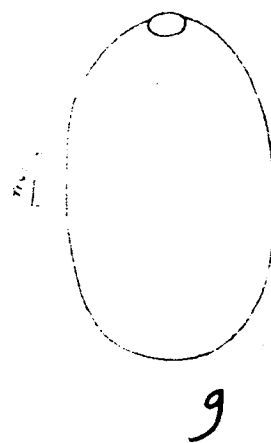
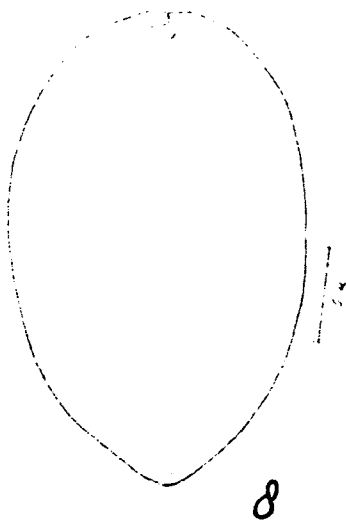
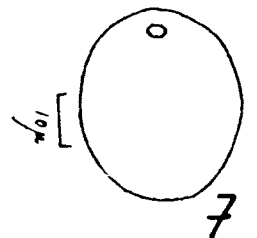
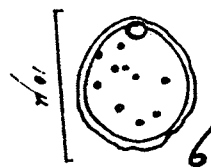
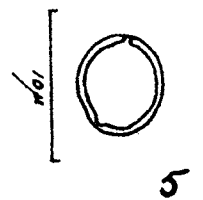
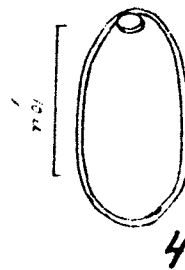
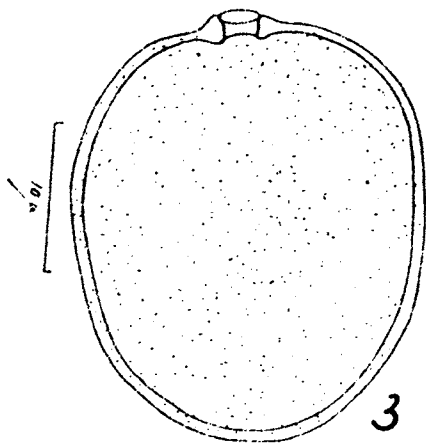
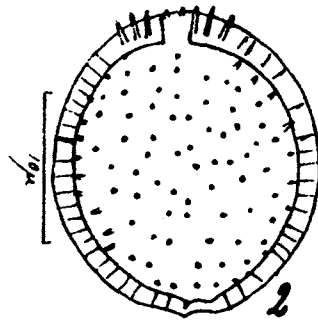
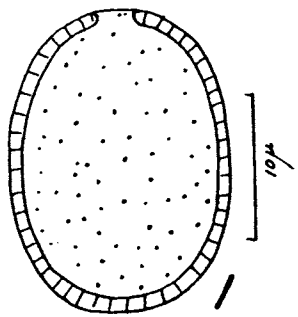
PLAAT XVII



P L A A T XVIII

1. cf. *Trachelomonas hispida*
2. *Trachelomonas hispida*
3. *Trachelomonas* cf. *zorensis*
4. *Trachelomonas oblonga* v. *angusta*
5. *Trachelomonas volvocina*
6. cf. *Trachelomonas xenosoma*
7. *Trachelomonas* spec. 1080-8/2
8. *Trachelomonas* spec. 580-5/1
9. cf. *Trachelomonas* spec. 181-4/1
10. *Trachelomonas* spec. 580-3/1

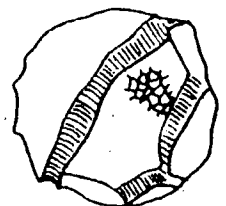
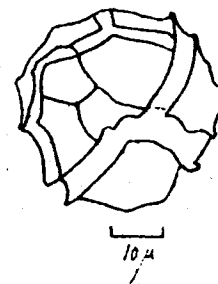
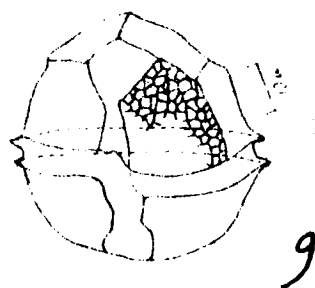
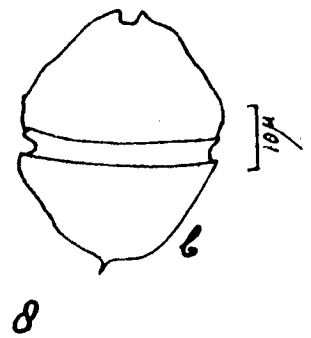
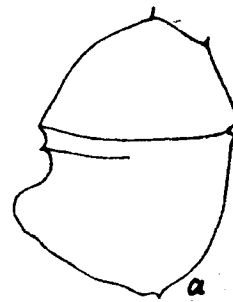
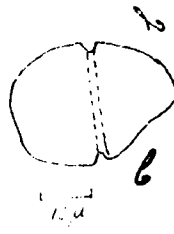
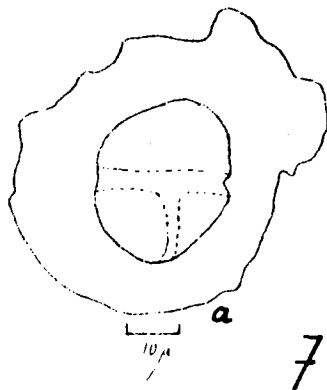
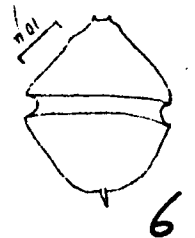
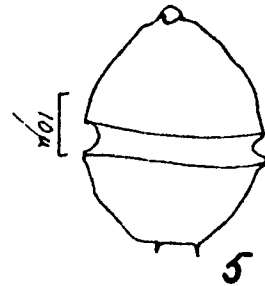
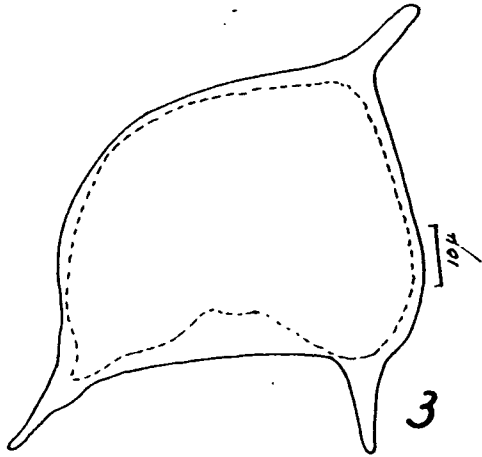
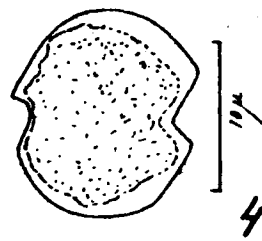
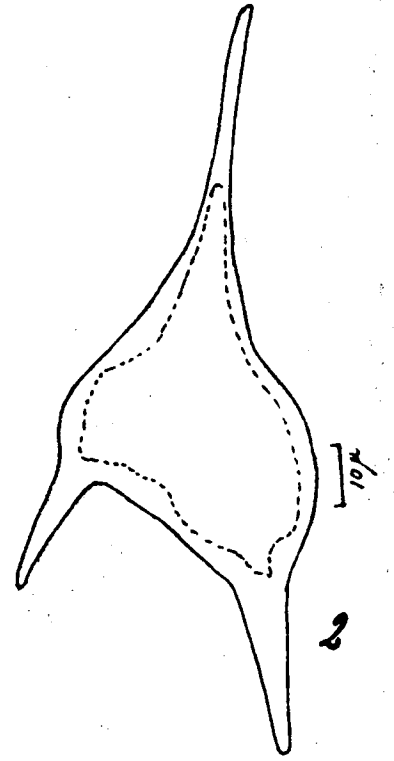
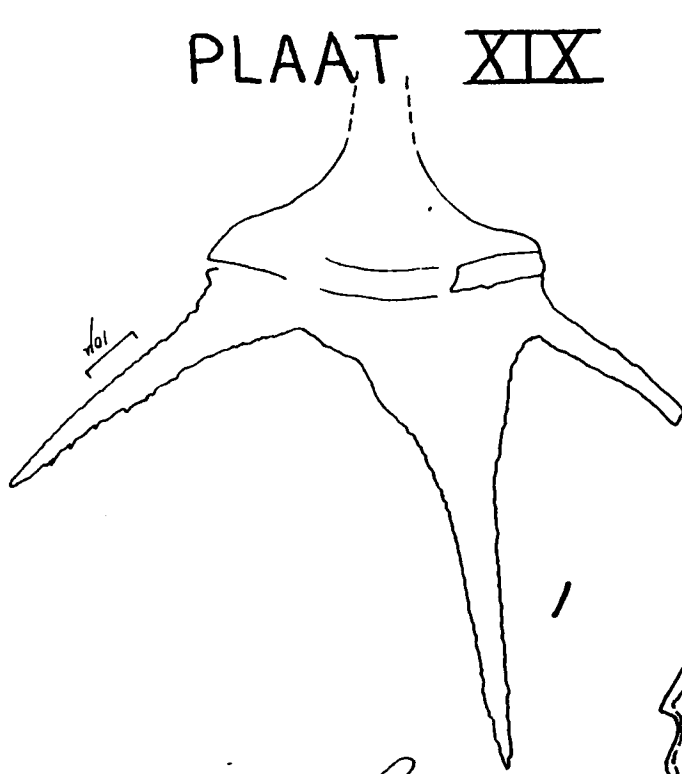
PLAAT XVIII



P L A A T XIX

1. *Ceratium hirundinella* f. *austriacum*
 2. Pantserwercyste
 3. Driehoek spec. 679-10/1
 4. *Glenodinium* spec. 280-2/2
 5. *Glenodinium* spec. 280-3/1
 6. *Glenodinium* spec. 181-8/3
 7. *Glenodinium* cf. *aeruginosum*
 8. *Glenodinium* spec. 280-3/1
 9. *Peridinium* spec. 980-10/1
 10. *Peridinium* spec. 881-2/2
- } cysten v. *Ceratium hirund.* (Salome')

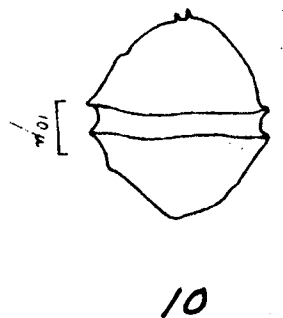
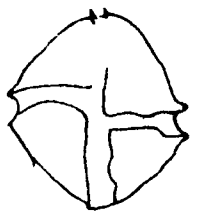
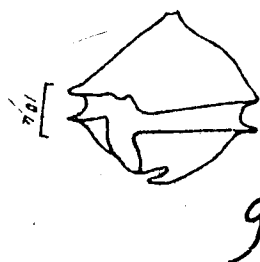
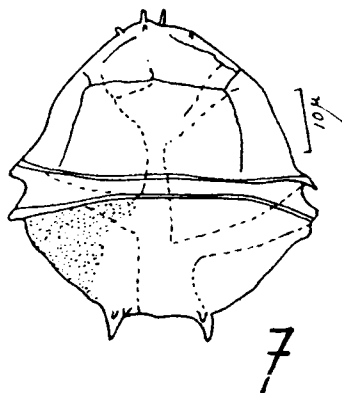
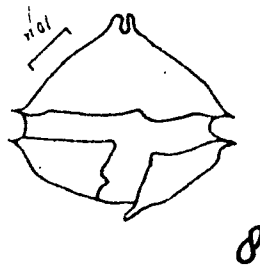
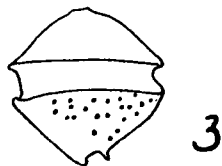
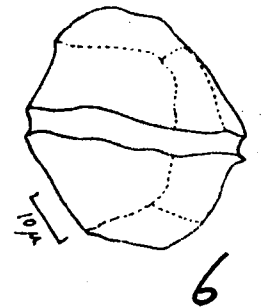
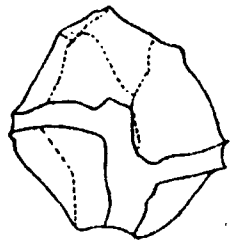
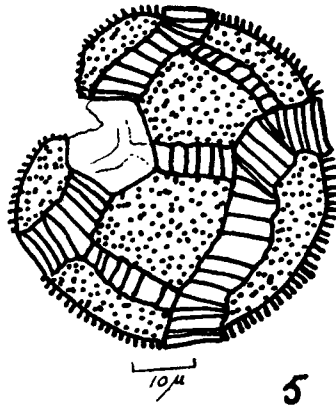
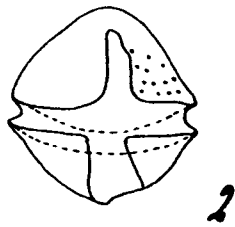
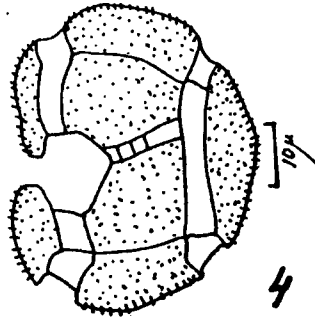
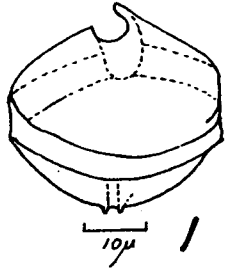
PLAAT XIX



P L A A T XX

1. **Peridinium spec. 679-6/2**
2. **Peridinium spec. 679-6/2**
3. **Peridinium spec. 679-6/2**
4. **Peridinium spec. 679-1/5**
5. **Peridinium spec. 679-2/1**
6. **Peridinium spec. 381-10/1**
7. **Peridinium bipes**
8. **Peridinium spec. 879-5/2**
9. **Peridinium spec. 879-5/1 (puntje)**
10. **Peridinium spec. 780-3/1**

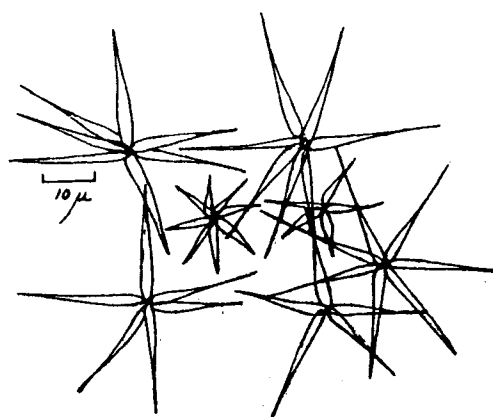
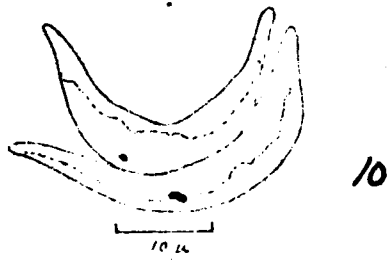
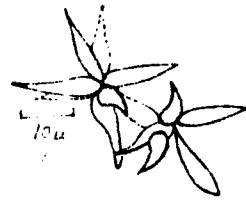
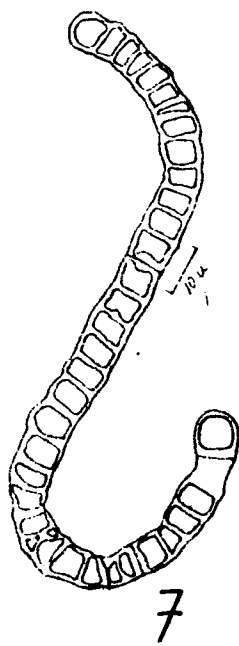
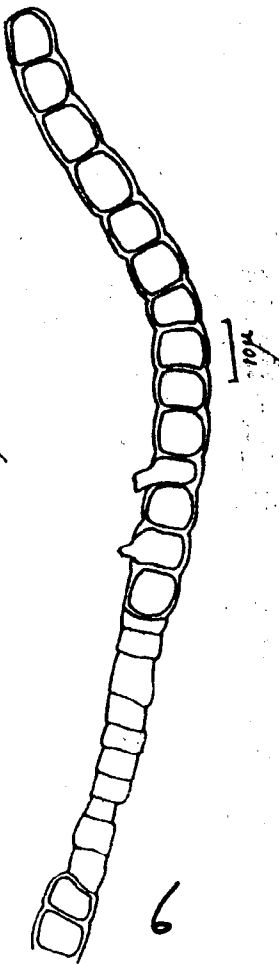
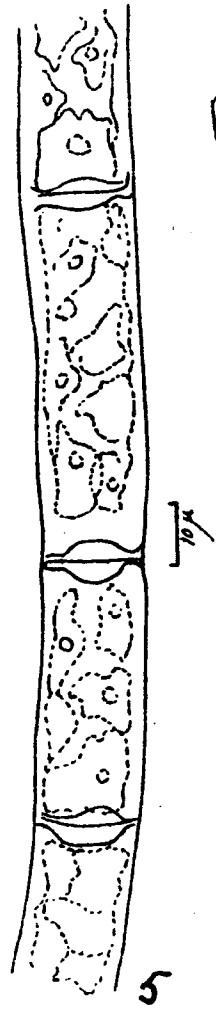
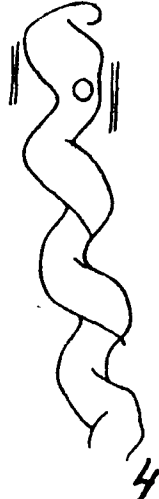
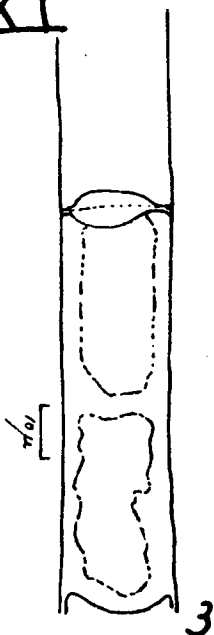
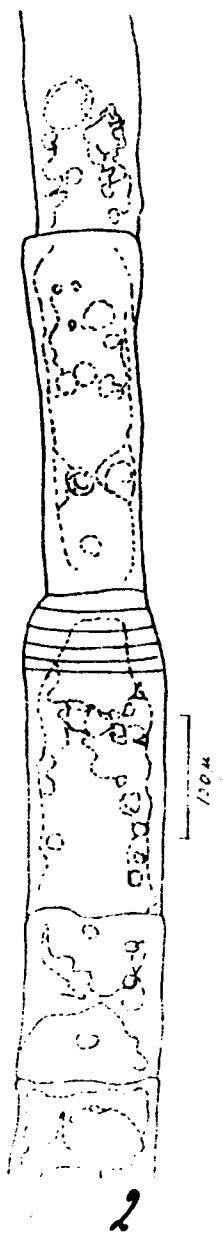
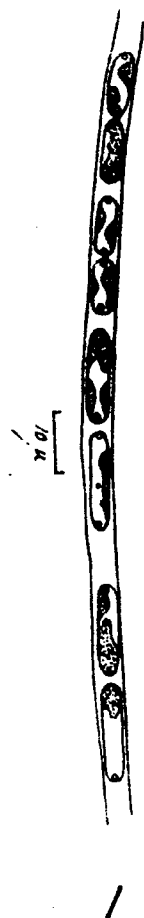
PLAAT XX



P L A A T XXI

1. cf. *Geminella minor* spec. 479-4/2
2. *Oedogonium* spec. 680-4/1
3. cf. *Rhizoclonium* spec.
4. *Spirogyra* spec. 1179-2/1 *cf. conjugatae Mongeotia.*
5. *Spirogyra* spec. 1179-2/1
6. Groen draadwier spec. 380-1/1 *Thes. Fragilaria umbrosa?*
7. *Ulotrichaal wier* spec. 1281-1/2
8. *Actinastrum hantzschii*
9. *Actinastrum gracillimum*
10. *Ankistrodesmus chodatii*
11. cf. *Losse Selenastrum bibraianum*

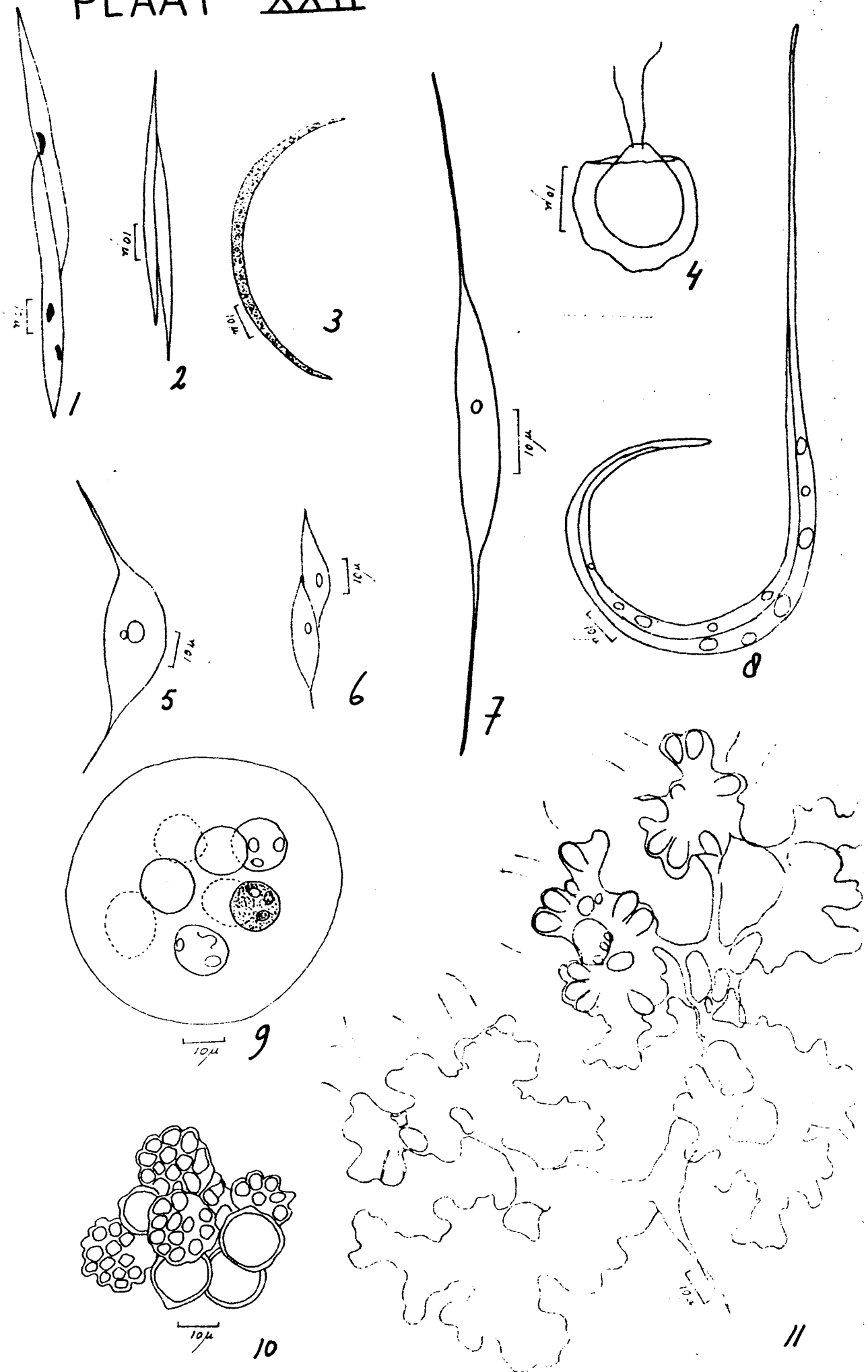
PLAAT XXI



P L A A T XXII

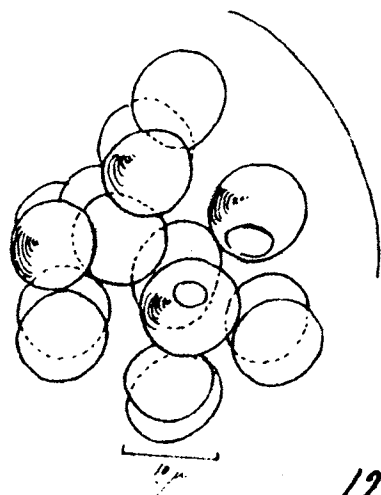
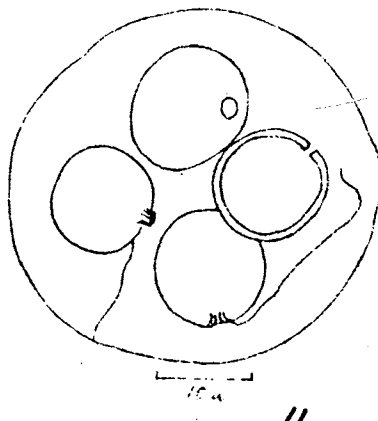
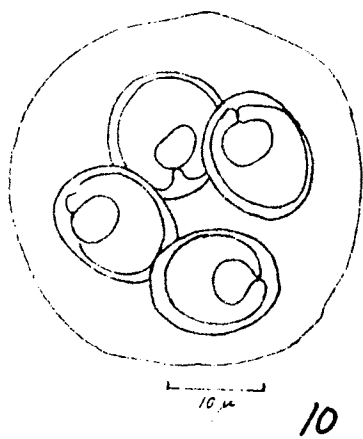
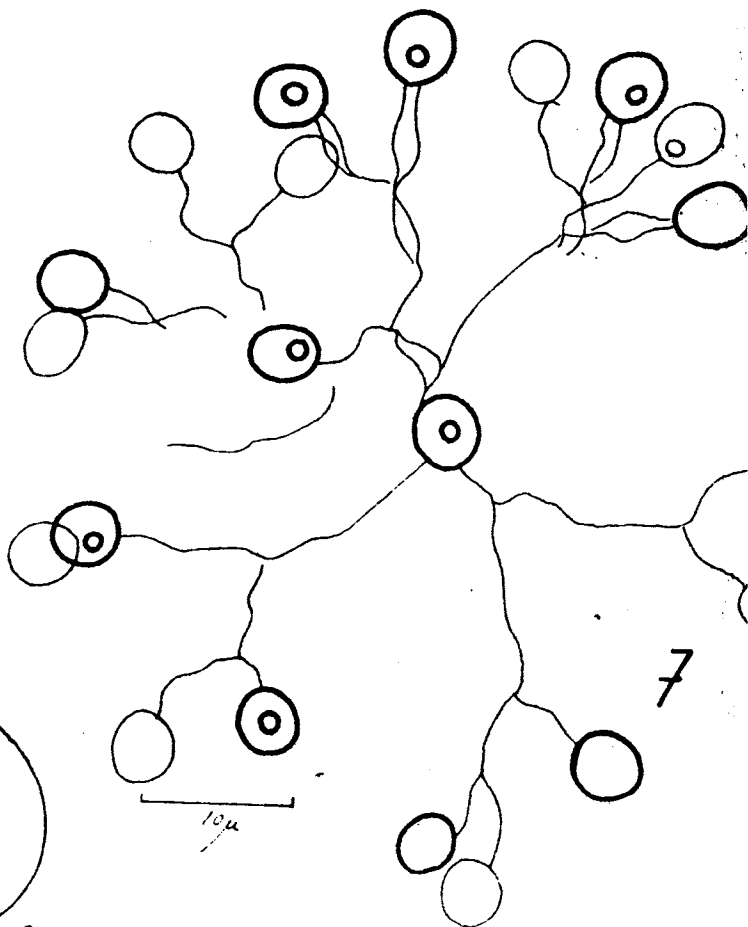
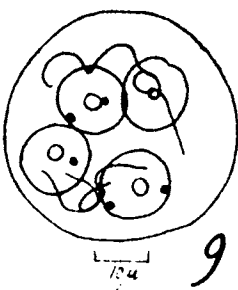
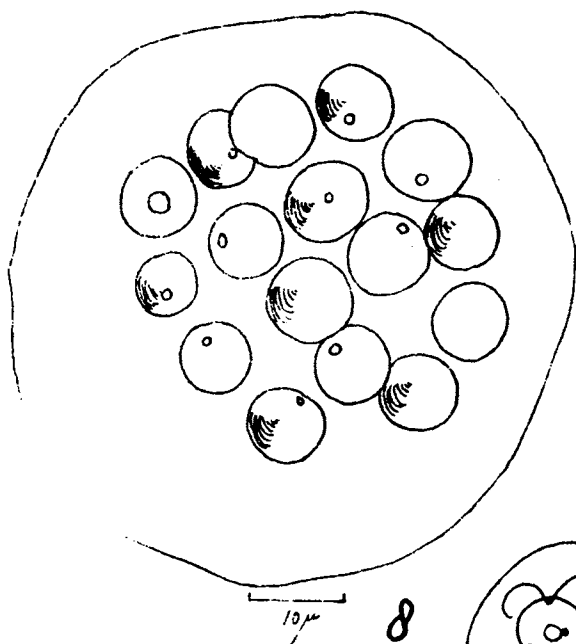
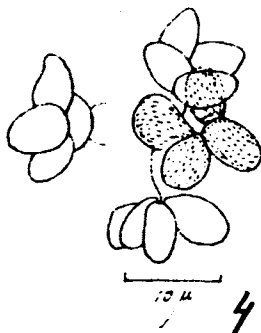
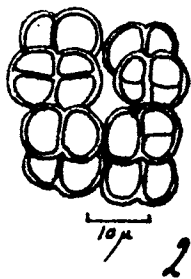
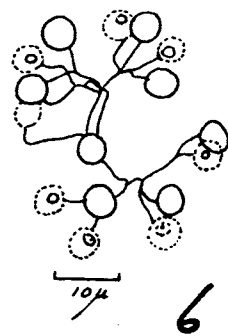
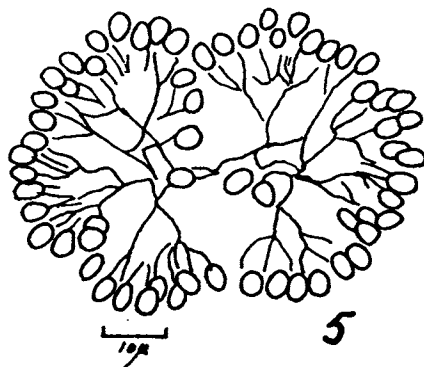
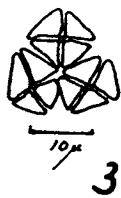
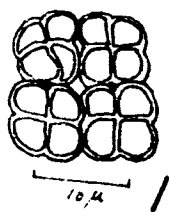
1. Ankistrodesmus falcatus
2. Ankistrodesmus falcatus
3. Ankistrodesmus falcatus v. spirilliformis
4. Groenwiler spec. 1080-5/1
5. cf. Characium limneticum cf. *Scenedesmus cel.*
6. Groenwiler spec. 880-3/3
7. Ankistrodesmus setigerus
8. Ankistrodesmus spec. 1080-8/3
9. cf. Asterococcus limneticus
10. cf. Coelastrum sphaericum
11. Botryococcus protuberans v. minor

PLAAT XXII



1. *Crucigenia quadrata*
2. *Eucapsis* spec. 480-3/1
3. *Crucigenia tetrapedia*
4. *Dimorphococcus cordatus*
5. *Dictyosphaerium ehrenbergianum*
6. *Dictyosphaerium pulchellum*
7. *Dictyosphaerium pulchellum*
8. *Kolonie* spec. 520-2/2
9. *Eudorina elegans*
10. cf. *Eudorina elegans*
11. *Volvocale kolonie* spec. 580-8/1
12. *Kolonie* spec. 580-10/2

PLAAT XXIII

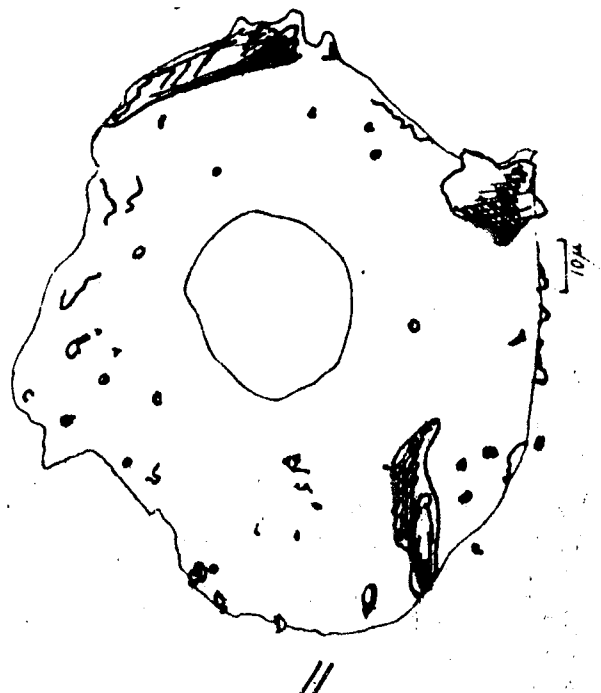
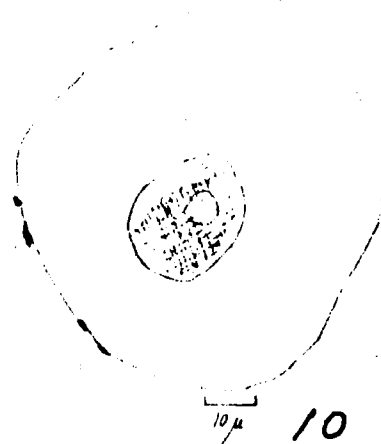
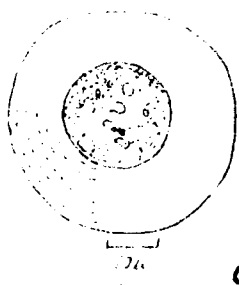
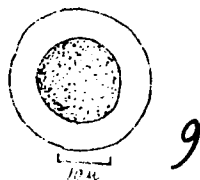
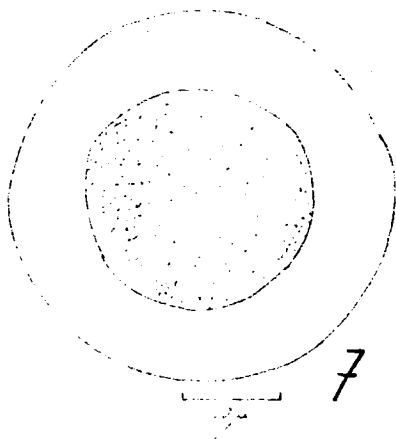
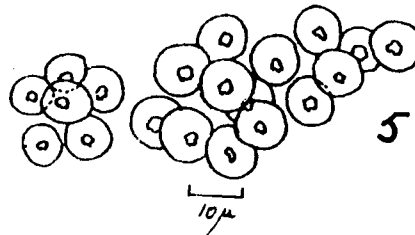
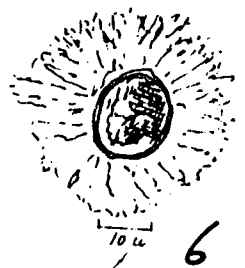
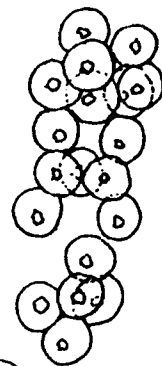
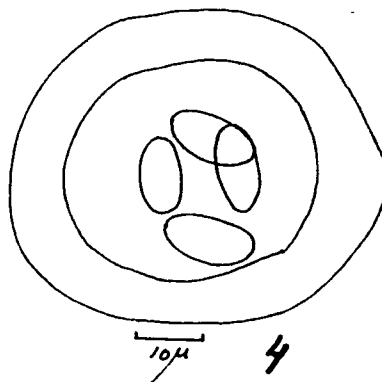
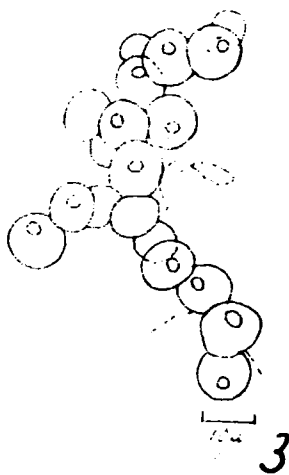
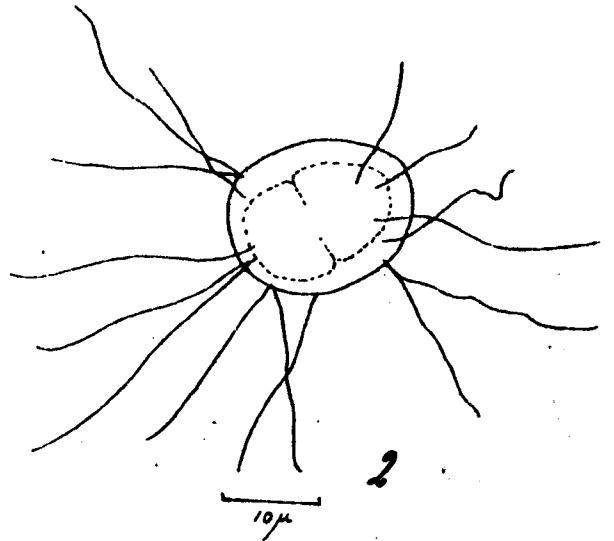
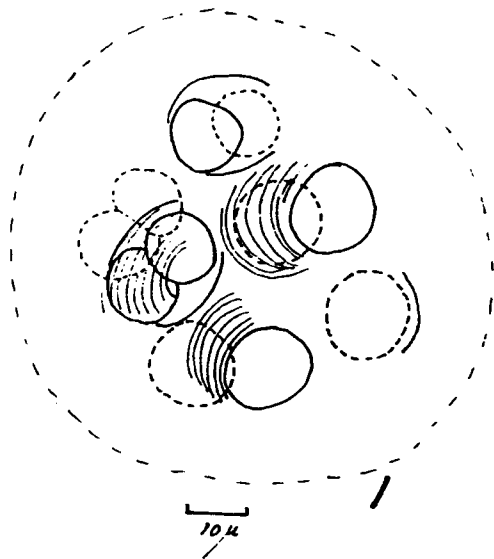


P L A A T XXIV

1. Kolonie spec. 679-2/4
2. *Francia droescheri*
3. Groenwierskolonie spec. 1080-3/1
4. *Gloeocystis ampla*
5. *Gloeocapsa granosa*
6. cf. *Gloeocystis gigas*
7. cf. *Gloeocystis gigas*
8. *Gloeocystis gigas*
9. Groenwier spec. 1281-1/1
10. *Gloeocystis gigas*
11. cf. *Gloeocystis gigas*

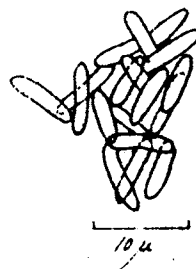
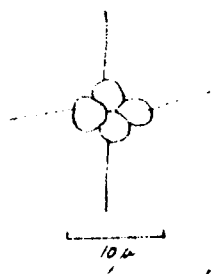
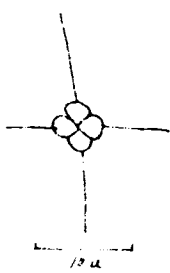
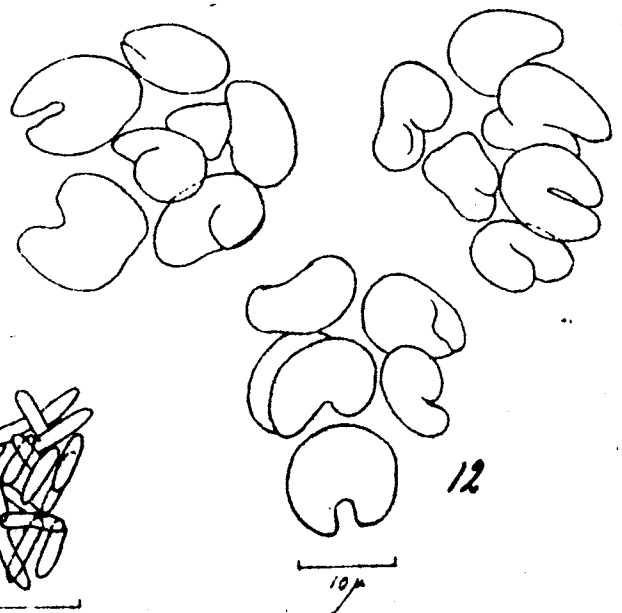
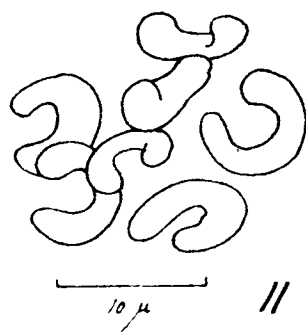
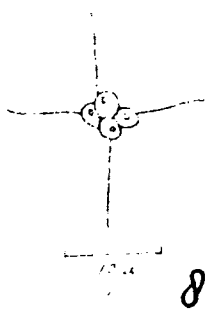
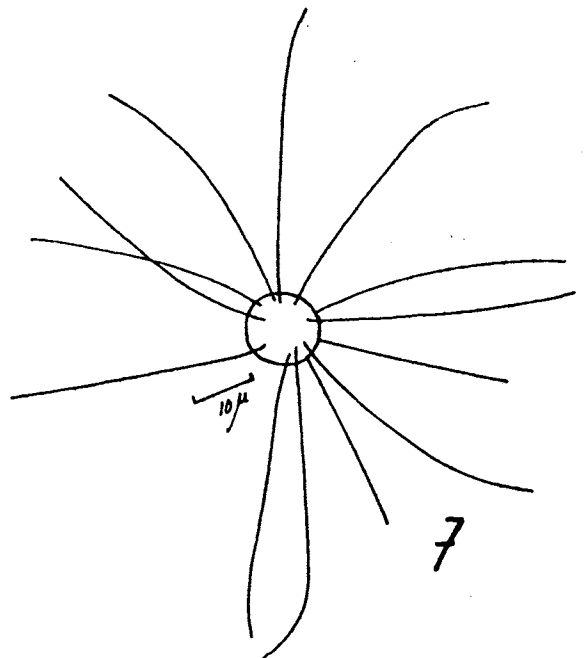
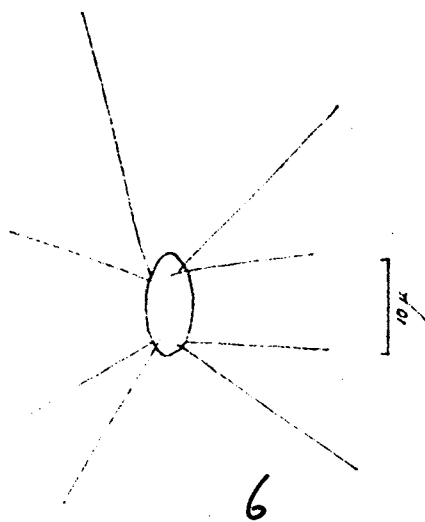
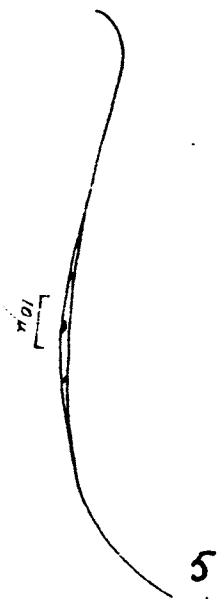
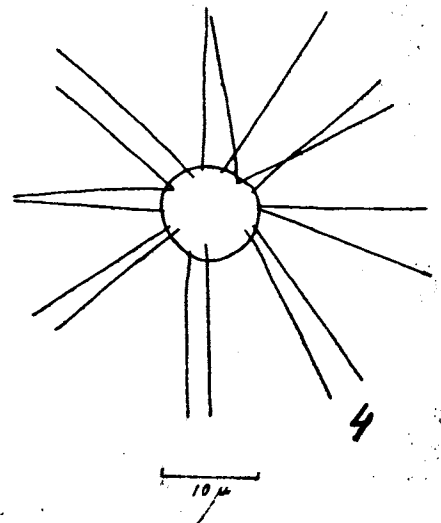
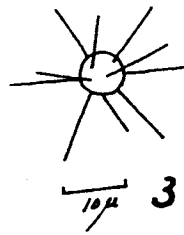
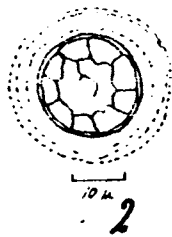
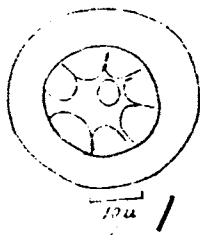
Theo. nifla?

PLAAT XXIV



1. cf. *Gloeocystis major*
 2. cf. *Gloeocystis spec. 1181-1/1*
 3. *Golenkinia radiata*
 4. *Golenkinia radiata*
 5. *Hyaloraphidium contortum*
 6. *Lagerheimia longiseta*
 7. *Golenkinia radiata*
 8. *Groenwier spec. 980-9/1*
 9. *Groenwier spec. 1180-8/1*
 10. *Groenwier spec. 181-8/1*
 11. *Kirchneriella contorta*
 12. *Kirchneriella obesa*
 13. *Kirchneriella contorta*
- } *Tetrahymena (Kornacker)*
elegans Playfair

PLAAT XXV



9

10

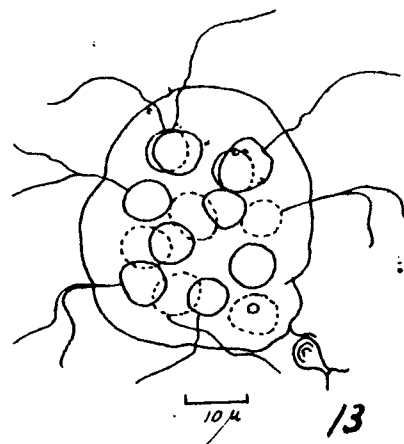
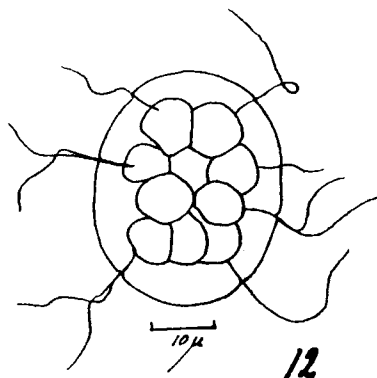
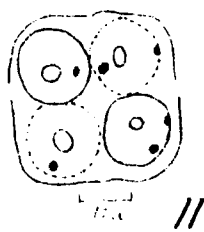
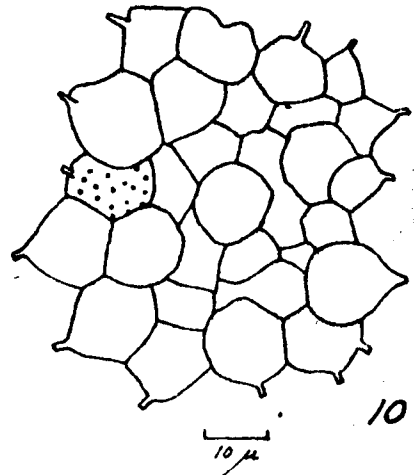
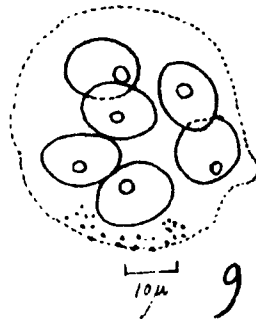
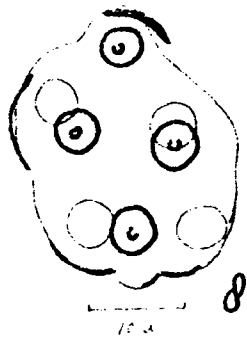
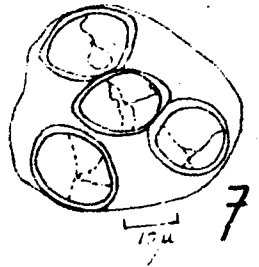
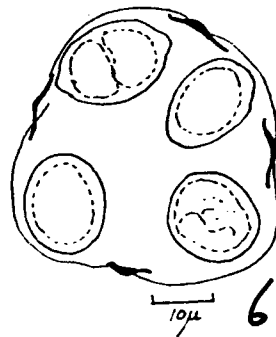
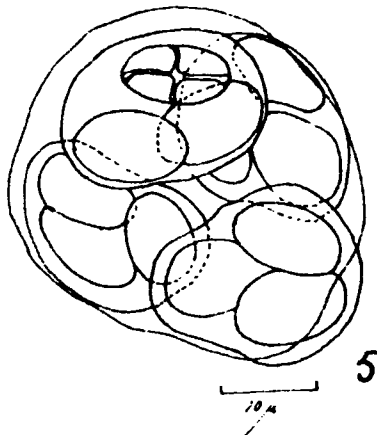
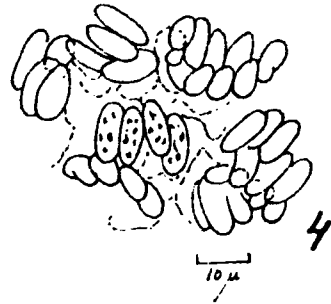
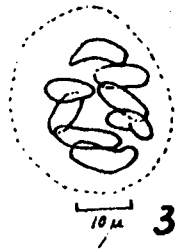
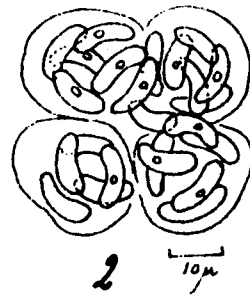
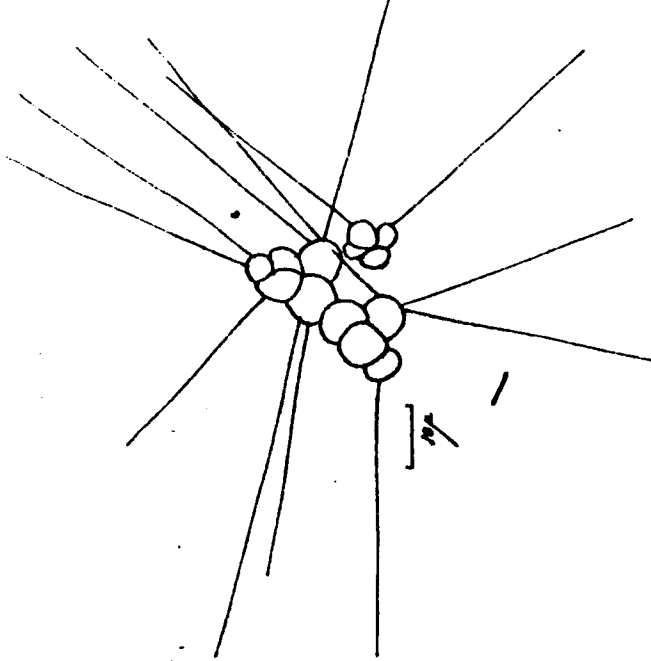
13

P L A A T XXVI

1. Micractinium pusillum *cf. Brachella cornubiniensis* in compl. (Selme)
2. Nephrocytium agardhianum
3. Groenwierkolonie 981-10/1
4. Groenwierkolonie 881-5/1
5. Oocystis parva
6. Oocystis lacustris
7. Oocystis lacustris
8. Groenwierkolonie spec. 680-10/2
9. Groenwierkolonie spec. 680-10/1
10. Pediastrum integrum f. granulata
11. Groenwierkolonie spec. 780-4/3
12. Pandorina morum
13. Pandorina morum

PLAAT

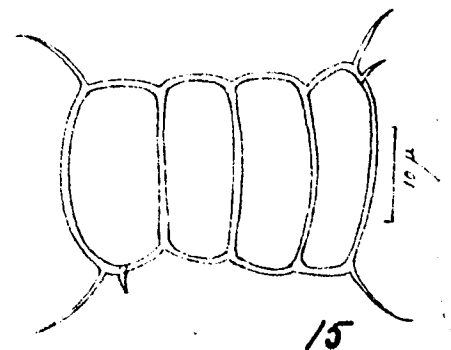
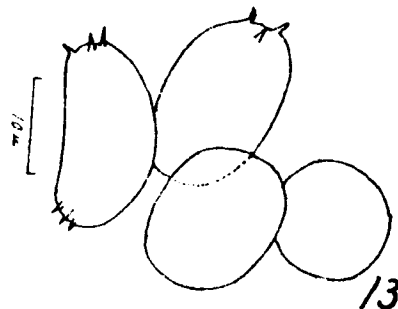
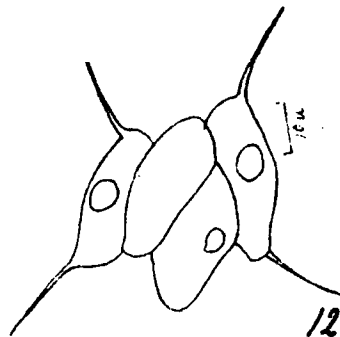
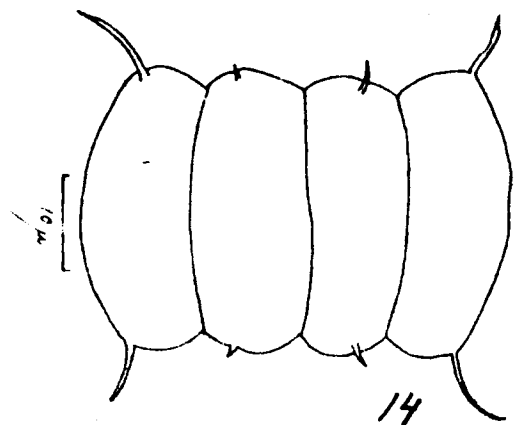
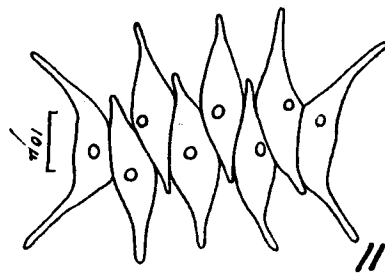
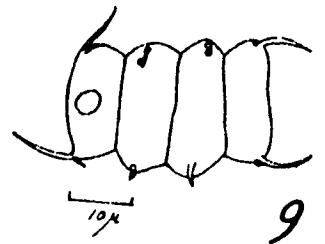
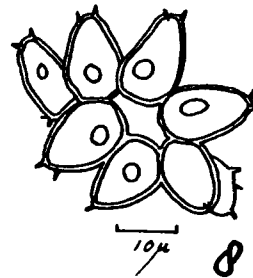
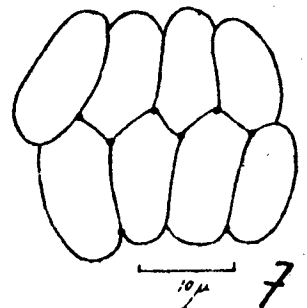
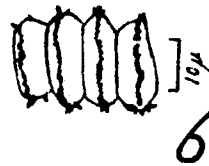
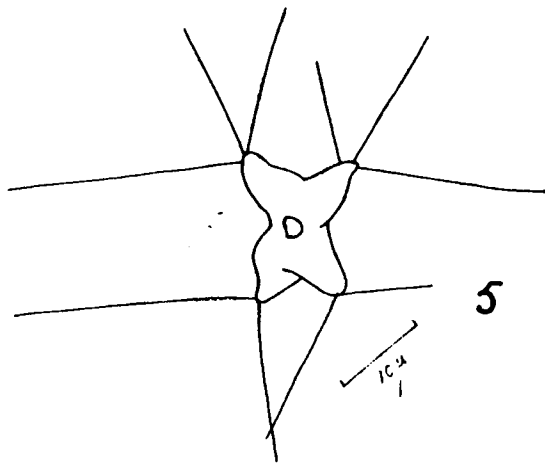
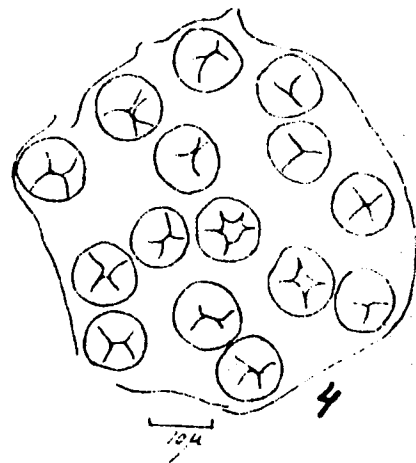
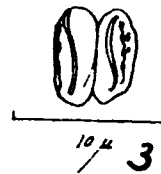
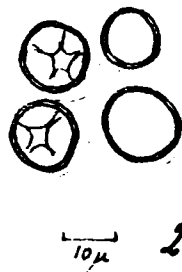
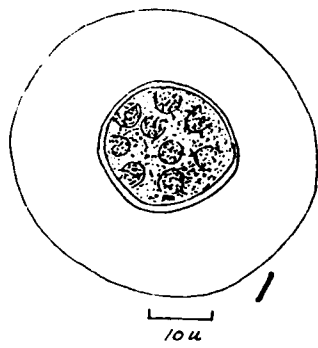
XXVI



P L A A T XXVII

1. Groene cel in gelei spec. 679-2/3
2. Planktosphaeria gelatinosa
3. Scenedesmus granulatus
4. Groenwierkolonie spec. 979-4/1
5. Polyedriopsis spinulosa
6. Scenedesmus circumfusus
7. Scenedesmus ecornis v. disciformis
8. Scenedesmus denticulatus v. fenestratus
9. Scenedesmus armatus cf. v. chodatii
10. Quadrigula chodatii *als hij gelei om zich heeft anders Dubius Scenedesmus.*
11. Scenedesmus acuminatus
12. Scenedesmus intermedius
13. Scenedesmus denticulatus
14. Scenedesmus quadricauda v. quadrispina
15. Scenedesmus quadricauda v. quadrispina

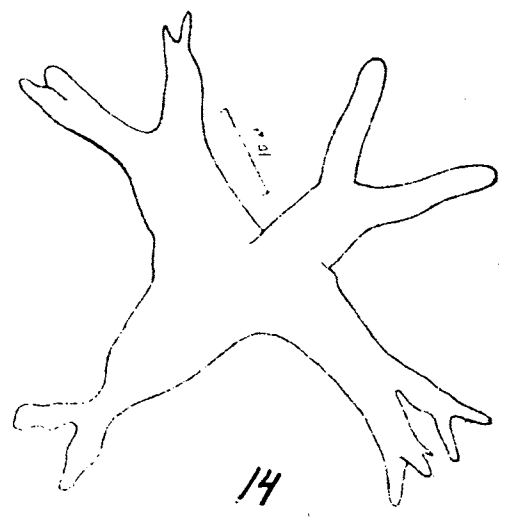
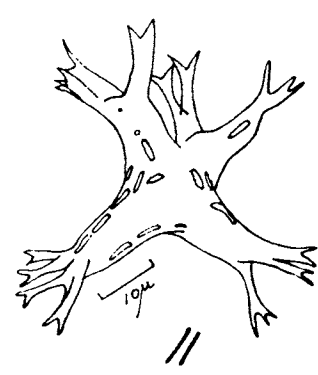
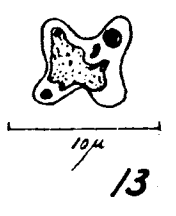
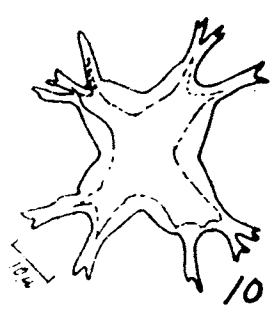
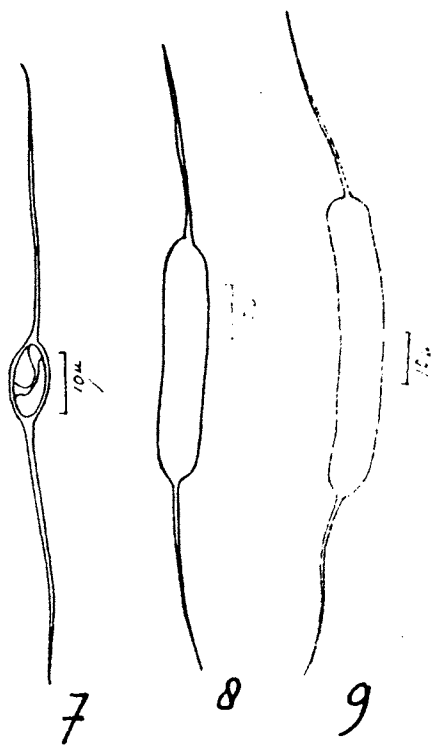
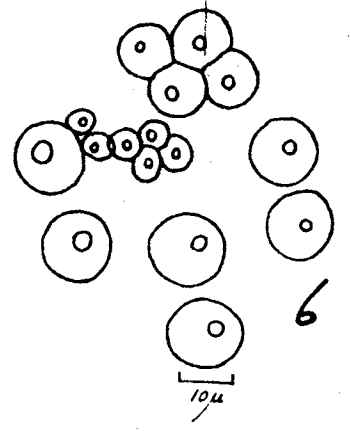
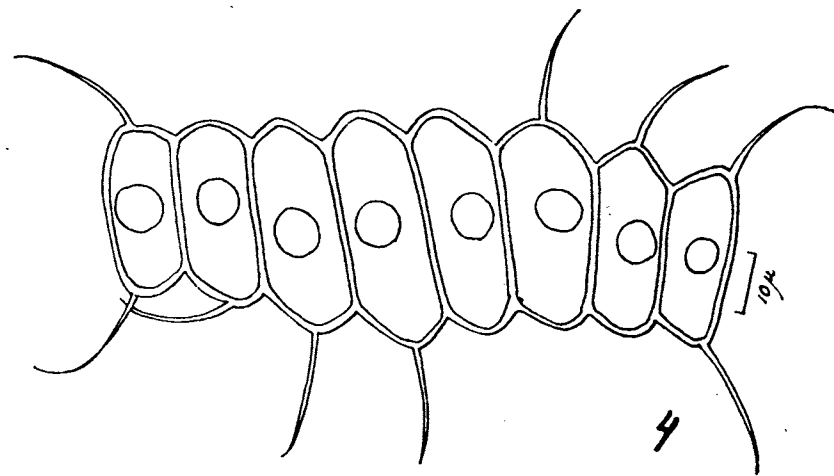
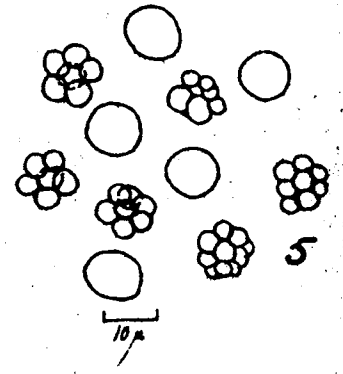
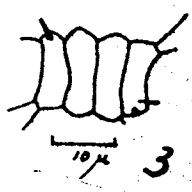
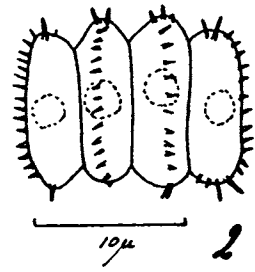
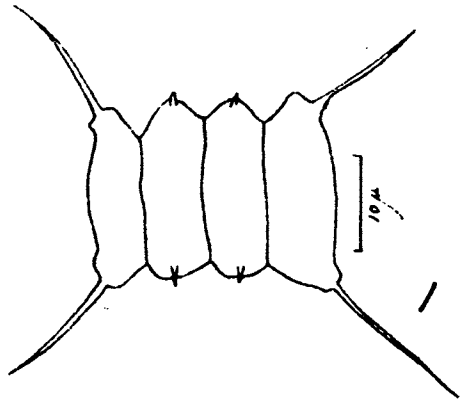
PLAAT XXVII



P L A A T XXVIII

1. Scenedesmus quadricauda
2. Scenedesmus cf. serratus f. minor
3. Scenedesmus spec. 1279-1/1
4. Scenedesmus cf. quadricauda
5. Sphaerocystis schroeteri
6. Groenwielkolonie spec. 780-1/2
7. cf. Schroederia setigera spec. 779-1/3
8. Schroederia setigera *Ophicystium bicuspdatum? Theo*
9. Schroederia setigera
10. Tetraedron cf. constrictum
11. Tetraedron limneticum
12. Tetraedron minimum
13. Tetraedron minimum
14. Tetraedron limneticum

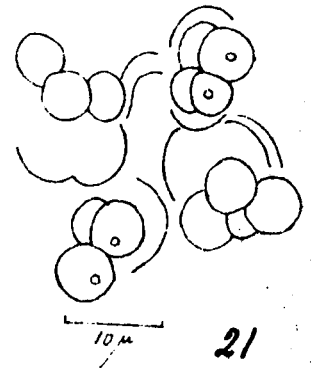
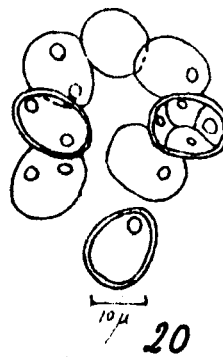
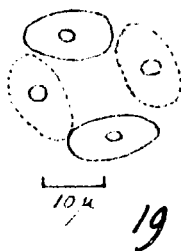
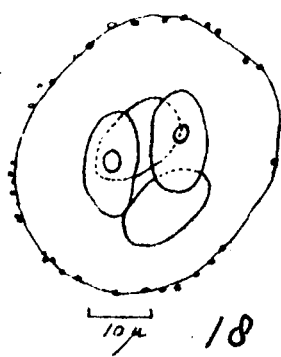
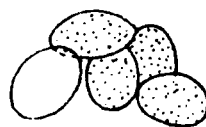
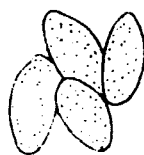
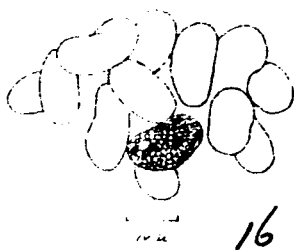
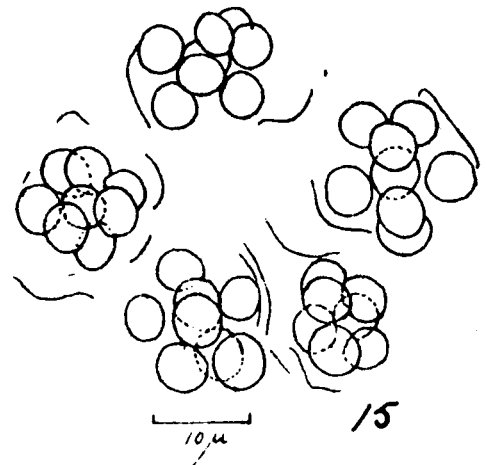
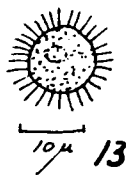
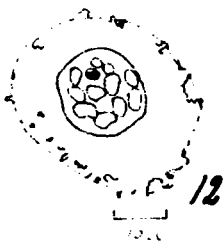
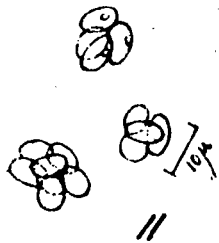
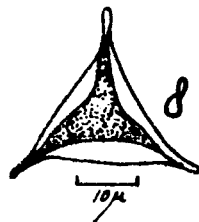
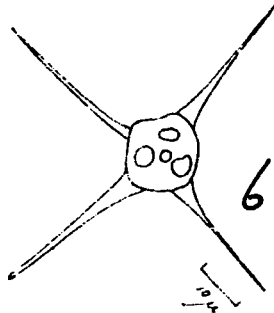
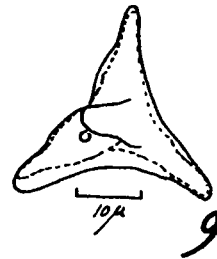
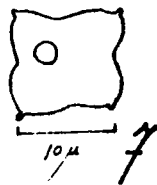
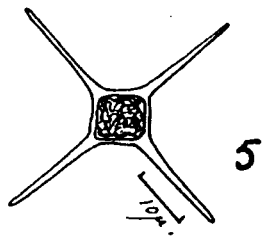
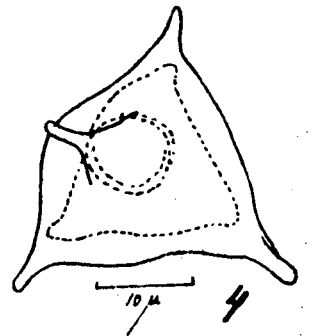
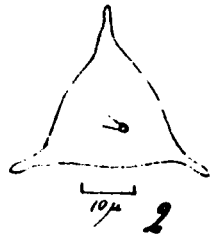
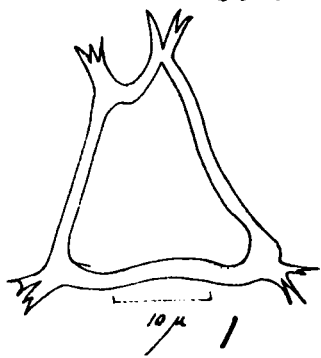
PLAAT XXVIII



P L A A T XXIX

1. Tetraedron planctonicum
2. Tetraedron regulare
3. Tetraedron regulare
4. Tetraedron regulare
5. Tetraedron Schmidlei
6. Tetraedron Schmidlei
7. Tetraedron trigonum v. papilliferum
8. Groene driehoekcel spec. 1079-1/1
9. Tetraedron tumidulum
10. Groene cel spec. 679-2/2 *Tetraedrella (Xanthopleysson)*?
11. Groenwierkolonie spec. 181-4/3 *Palnella*?
12. Groenwier spec. 581-2/1
13. Groene cel spec. 679-7/1
14. Westella botryoides
15. Westella botryoides
16. Groenwierkolonie spec. 1181-5/1 *Hydrocolea spec.*
17. Groenwier spec. 880-10/1
18. Groenwier spec. 1279-2/1
19. Groenwierkolonie spec. 880-1/1
20. Groenwierkolonie spec. 520-2/1
21. Westella botryoides

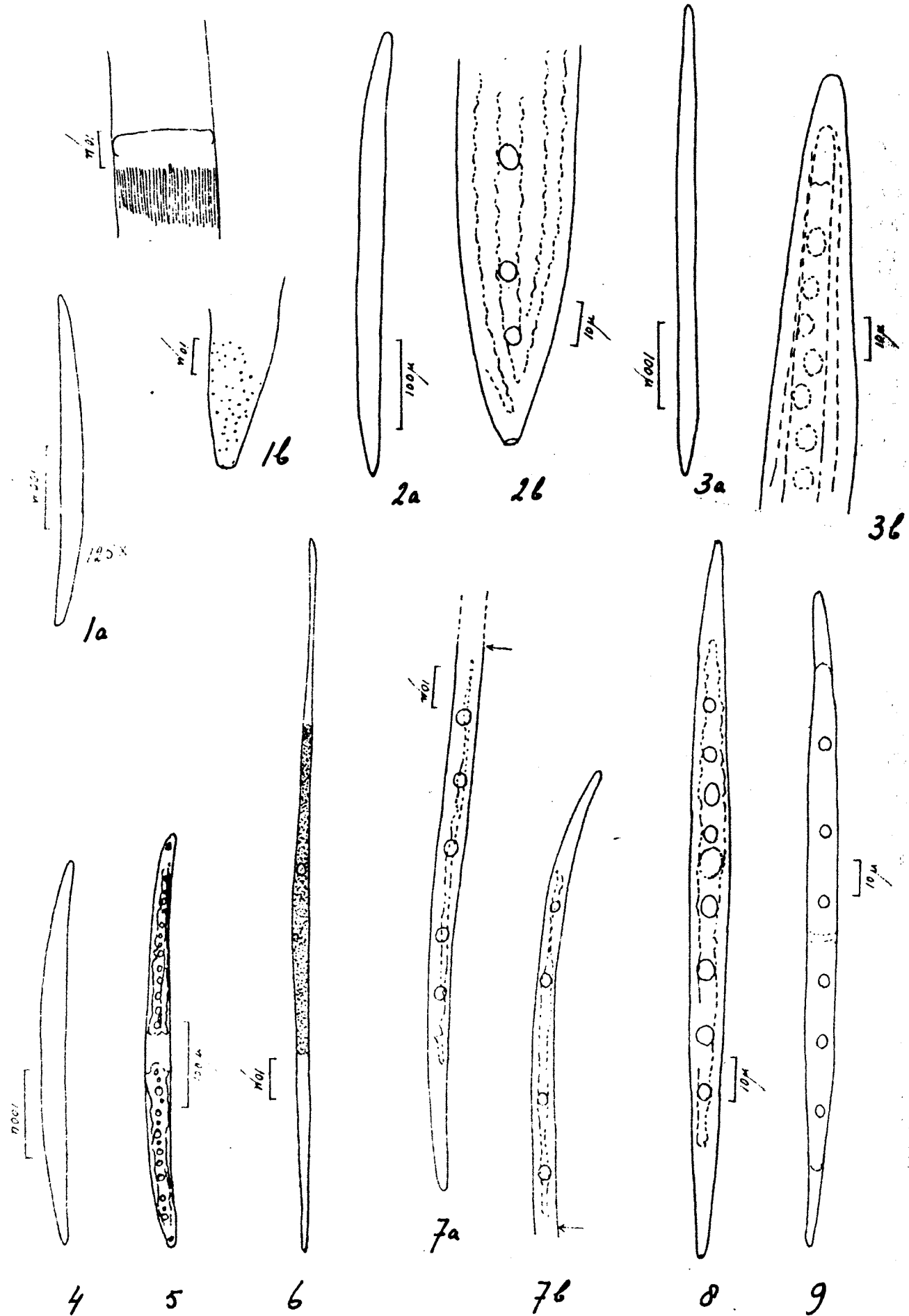
PLAAT XXIX



P L A A T XXX

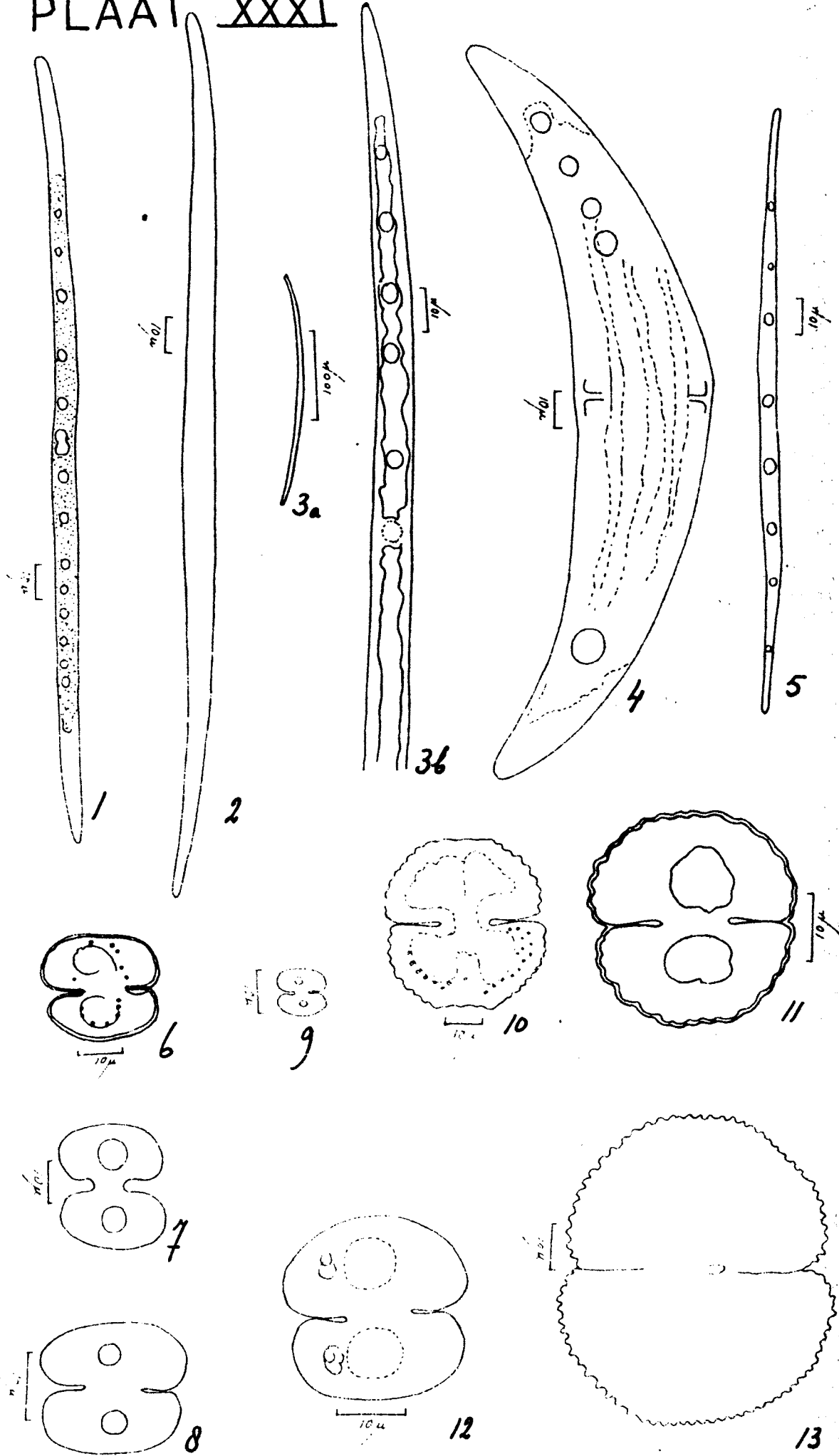
1. Closterium acerosum
2. Closterium spec. 979-2/7
3. Closterium acerosum
4. Closterium acerosum v. elongatum
5. Closterium acerosum v. elongatum
6. Closterium cf. acutum
7. Closterium gracile
8. Closterium spec. 979-4/3
9. Closterium idiosporum

PLAAT XXX



1. Closterium spec. 680-8/1
2. Closterium idiosporum
3. Closterium spec. 779-5/1
4. Closterium moniliferum
5. Closterium cf. subulatum
6. Cosmarium spec. 480-1/1
7. Cosmarium abbreviatum
8. Cosmarium abbreviatum
9. Cosmarium abbreviatum v.minus
10. Cosmarium cf. formulosum
11. Cosmarium spec.
12. Cosmarium abbreviatum
13. Cosmarium cf. botrytis

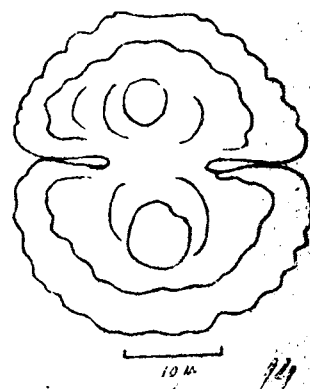
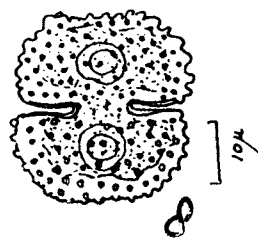
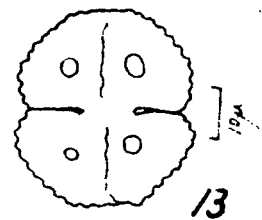
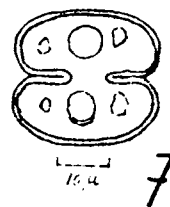
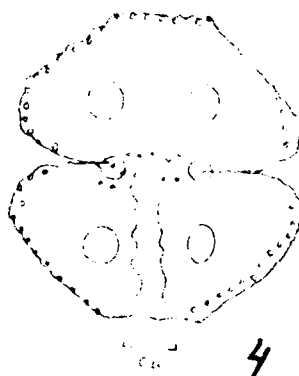
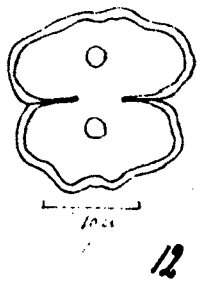
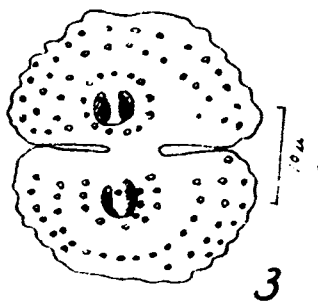
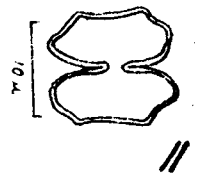
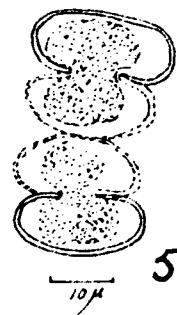
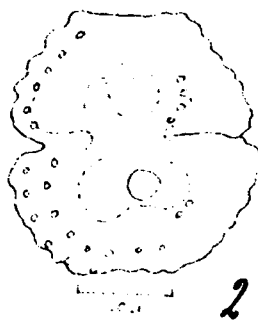
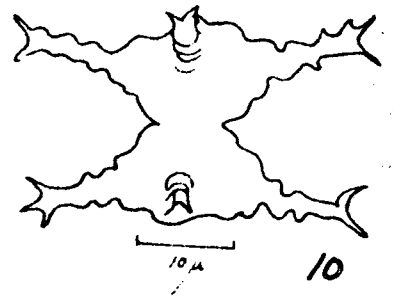
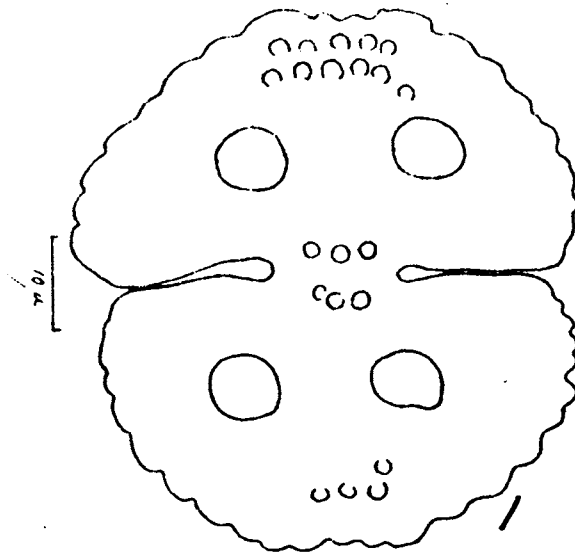
PLAAT XXXI



P L A A T XXXII

1. *Cosmarium* cf. *margaritiferum*
2. *Cosmarium* *subcostatum*
3. *Cosmarium* *subprotumidum* v. *subprotumidum*
4. *Cosmarium* *turpinii* v. *podolicum*
5. *Cosmarium* cf. *phaseolus*
6. *Cosmarium* *subtumidum*
7. *Cosmarium* *subtumidum*
8. *Cosmarium* spec. 679-1/3
9. *Staurastrum* *avicula* v. *exornatum*
10. *Staurastrum* *boreale*
11. *Cosmarium* *regnellii* v. *minimum*
12. *Cosmarium* spec. 680-7/1
13. *Cosmarium* *vexatum* f. *granulatum*
14. *Cosmarium* spec. 580-4/2

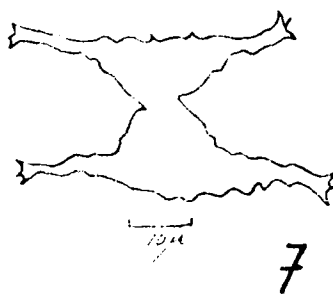
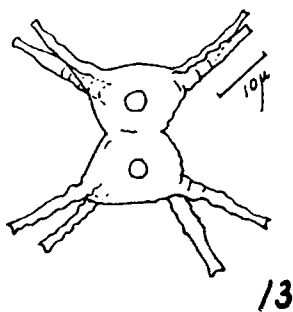
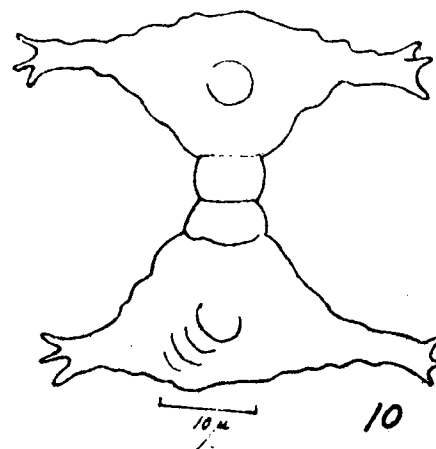
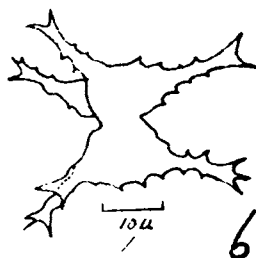
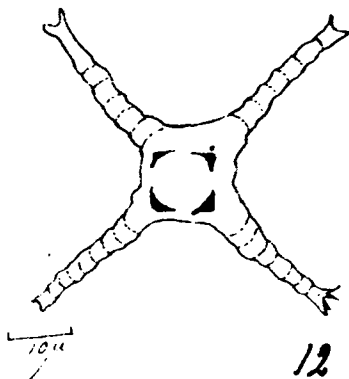
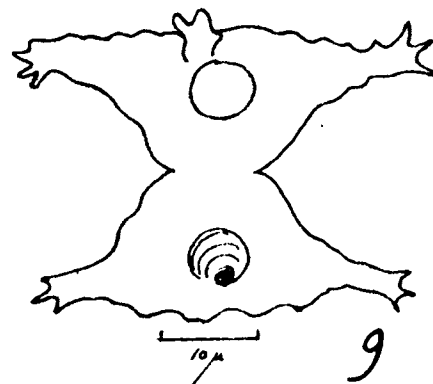
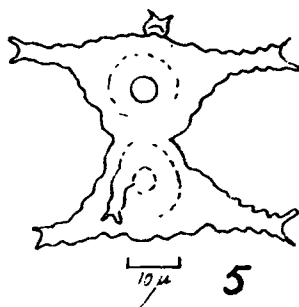
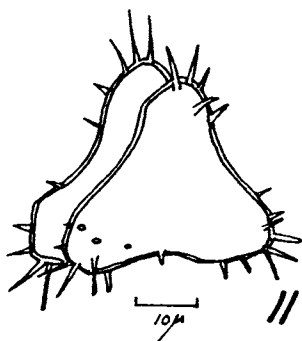
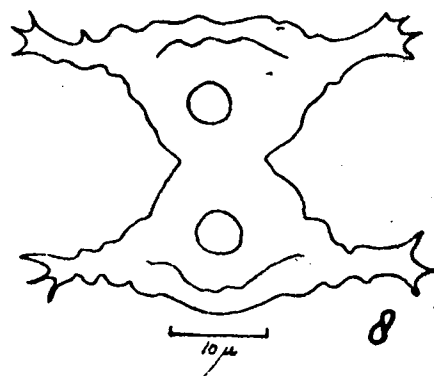
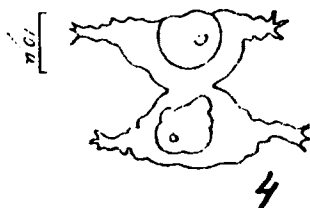
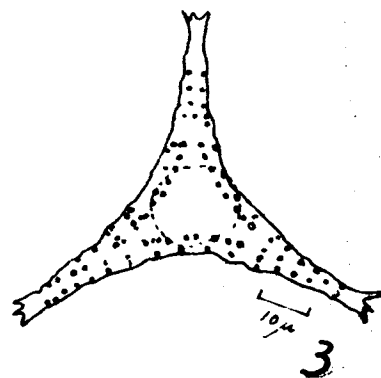
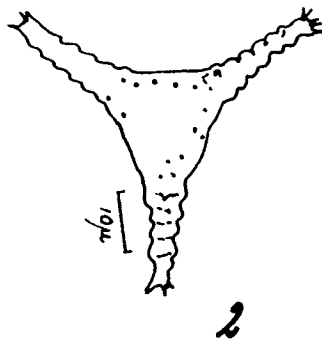
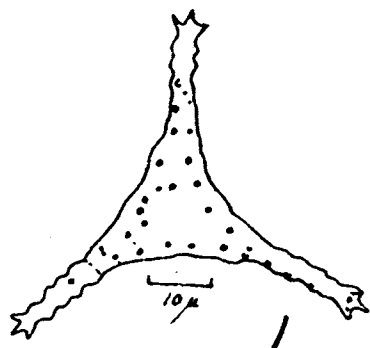
PLAAT XXXII



P L A A T XXXIII

1. *Staurastrum* cf. *cingulum*
2. *Staurastrum* cf. *gracile* spec. 679-2/5
3. *Staurastrum* *manfeldtii*
4. *Staurastrum* *crenulatum*
5. *Staurastrum* *manfeldtii*
6. *Staurastrum* *micron*
7. *Staurastrum* *oxyacanthum*
8. *Staurastrum* *crenulatum*
9. *Staurastrum* *crenulatum*
10. *Staurastrum* *crenulatum*
11. *Staurastrum* cf. *gladiosum* v. *delicatulum* spec. 679-1/2
12. *Staurastrum* *pingue*
13. *Staurastrum* cf. *pingue*

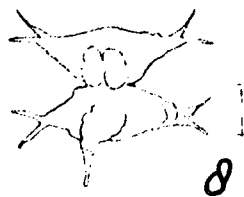
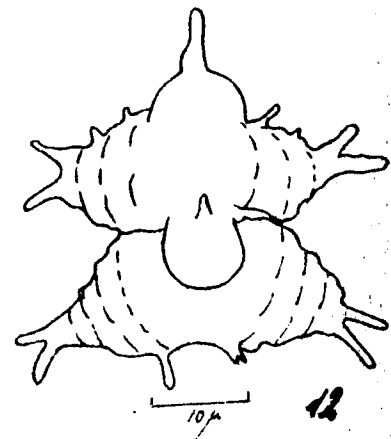
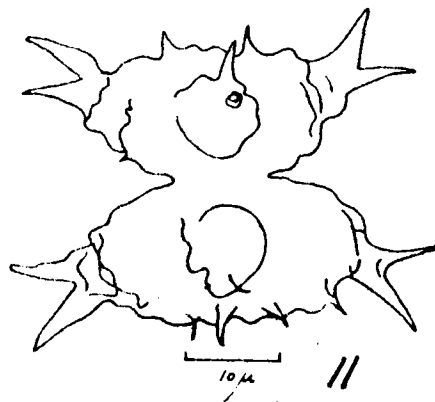
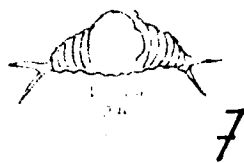
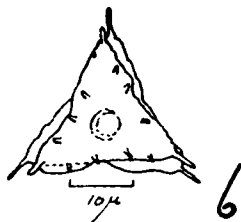
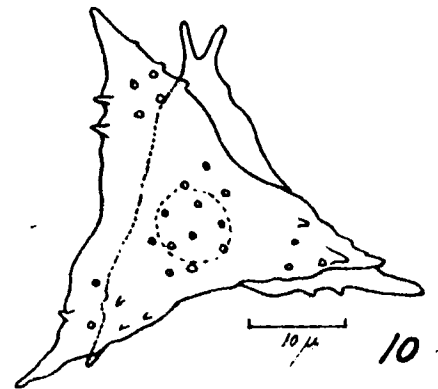
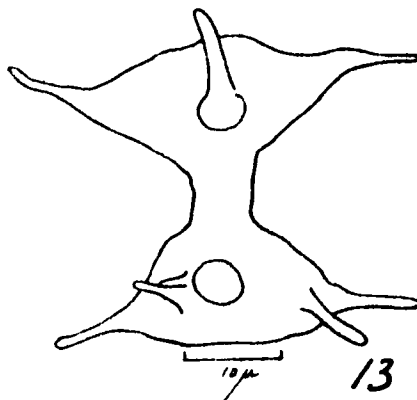
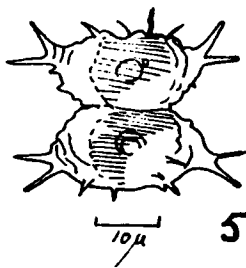
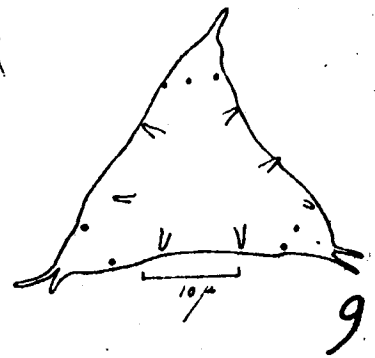
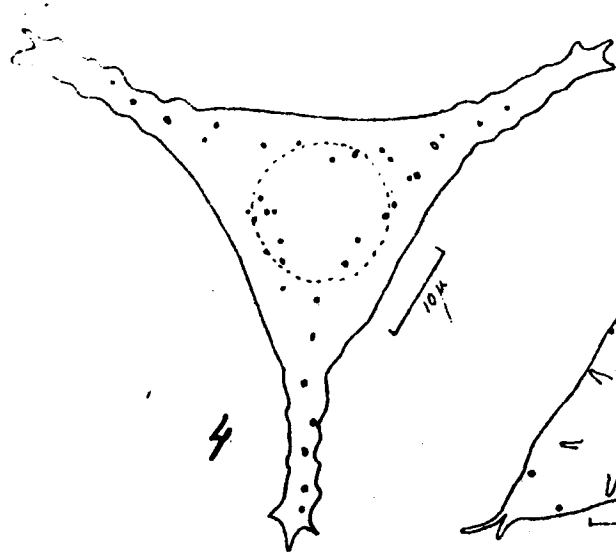
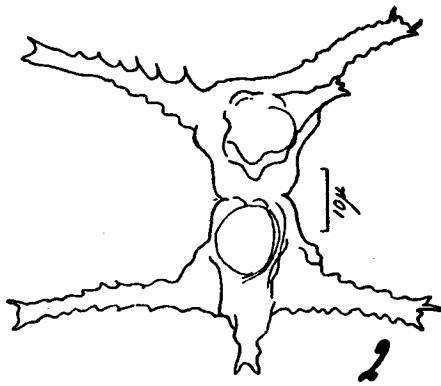
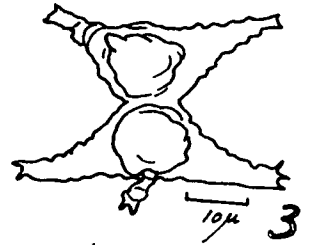
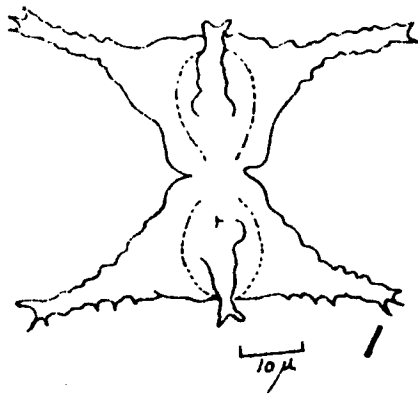
PLAAT XXXIII



P L A A T XXXIV

1. Staurastrum planctonicum v. ornatum
2. Staurastrum cf. planctonicum v. ornatum
3. Staurastrum cf. cingulum
4. Staurastrum planctonicum v. ornatum
5. Staurastrum cf. subavicula spec. 679-3/1
6. Staurastrum cf. subavicula spec. 679-8/1
7. Staurastrum subcruciatum
8. Staurastrum subcruciatum
9. Staurastrum subavicula
10. Staurastrum subcruciatum
11. Staurastrum subavicula
12. Staurastrum subavicula
13. Staurodesmus cuspidatus

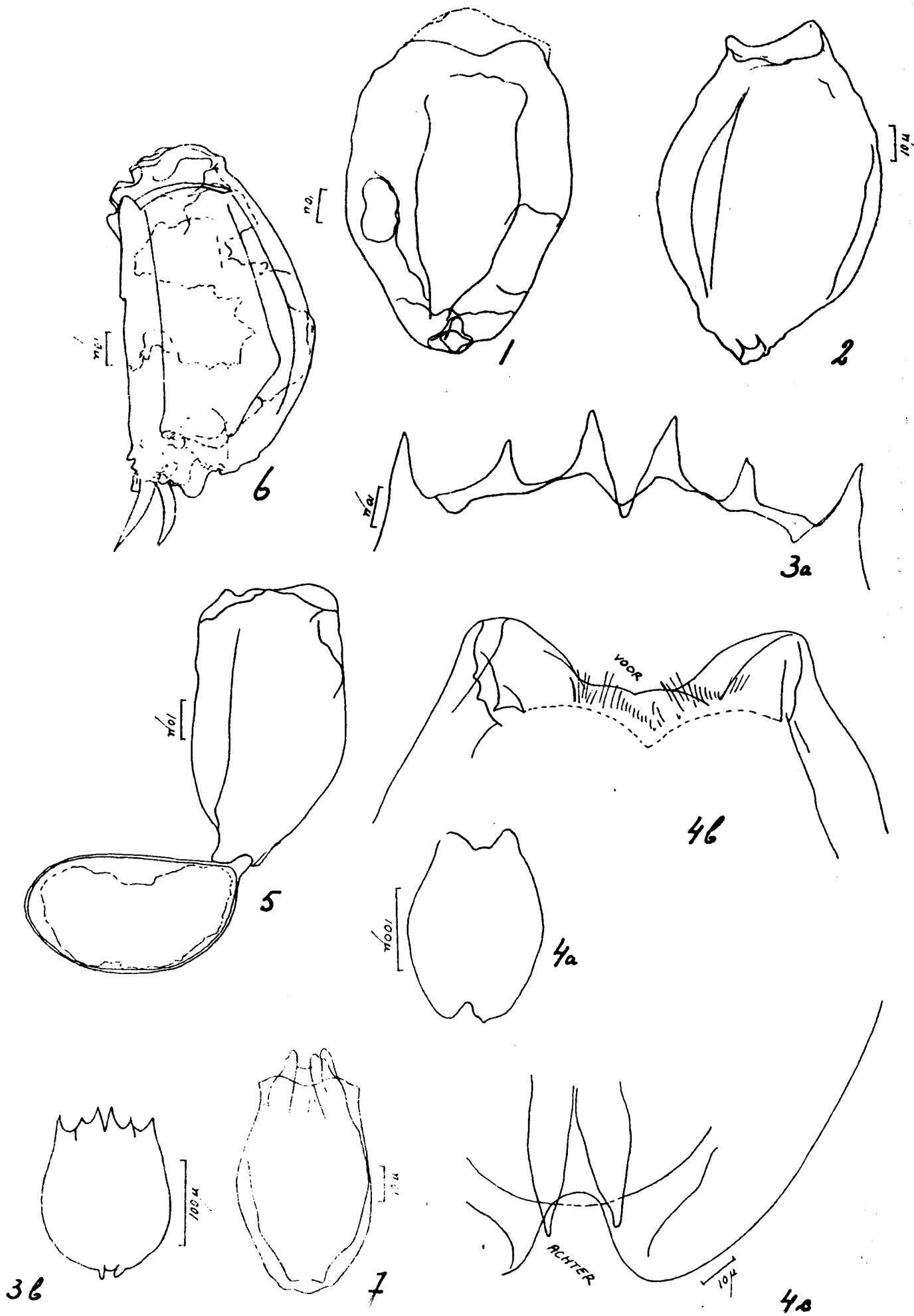
PLAAT XXXIV



1. *Euchlanis* cf. *triquetra* = *Pompholyx cf. sulcata*
2. cf. *Euchlanis* spec. 981-1/1 = *Pompholyx cf. sulcata* (Salome')
3. *Brachionus leydigi* ~~retundatus~~
4. cf. *Euchlanis* *meneta* spec. 679-6/1
5. *Anuraeopsis fissa*
6. cf. *Cephalodella* spec.
7. *Anuraeopsis fissa*

3. *Brachionus urceolaris* (Salome')

PLAAT XXXV

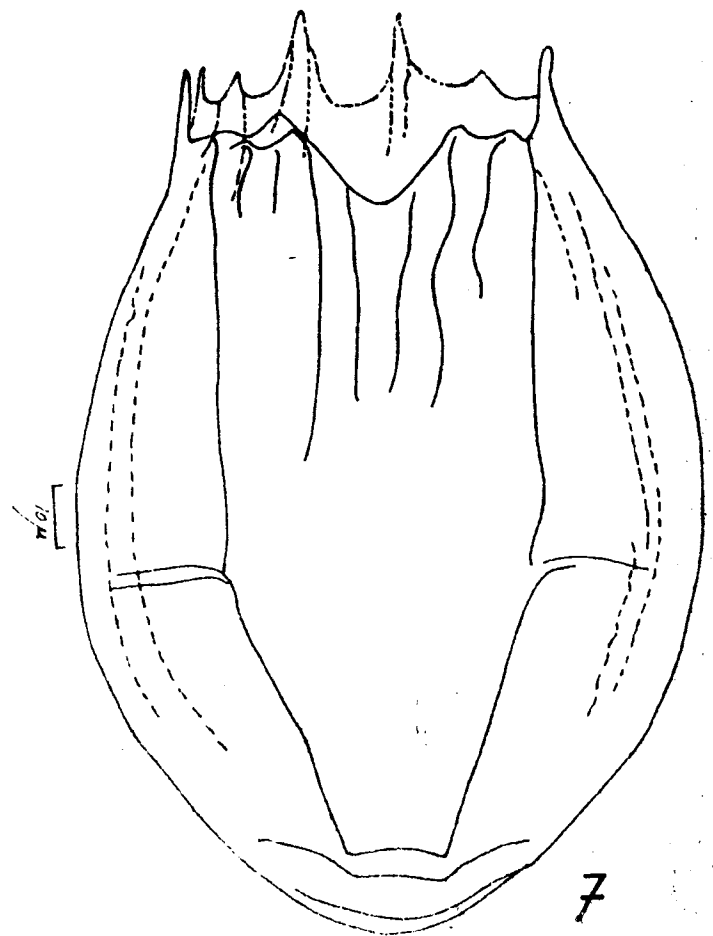
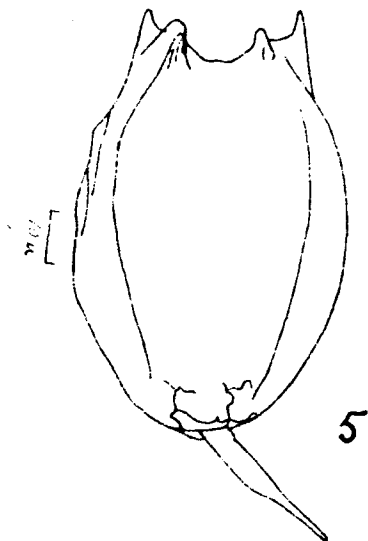
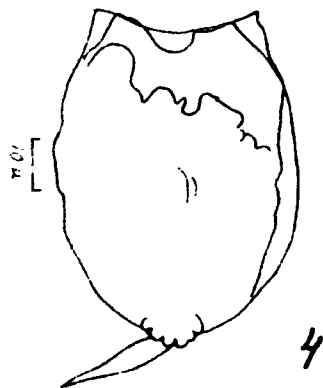
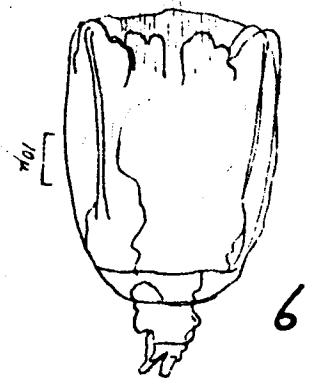
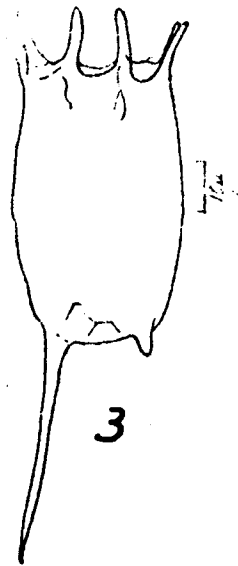
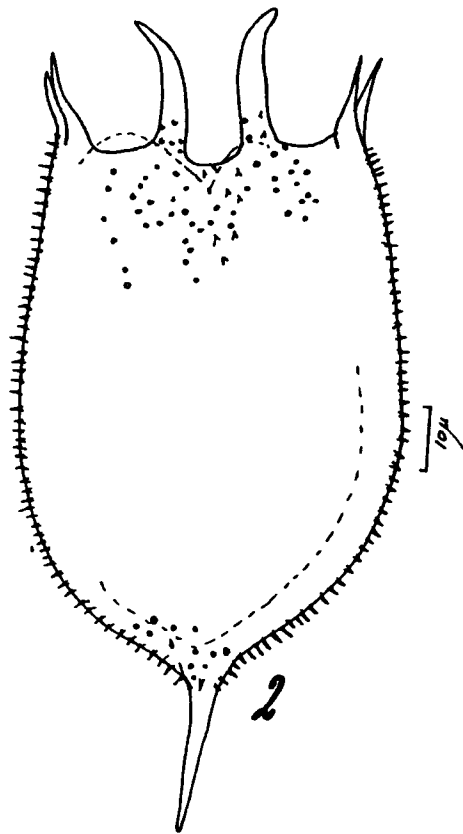
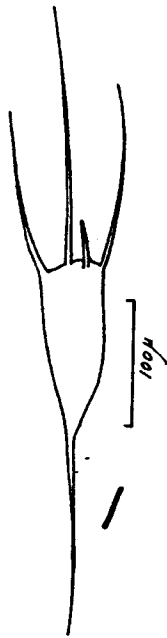


P L A A T XXXVI

1. Kellicottia longispina
 2. Keratella cochlearis v. hispida
 3. Keratella tropica ??
 4. Lecane spec. 1181-10/3
 5. Raderdier spec. 1080-8/3
 6. Mytilina spec. 580-8/1
 7. Notholca ~~of.~~ squamula
- (Salome' zegt: is goed)

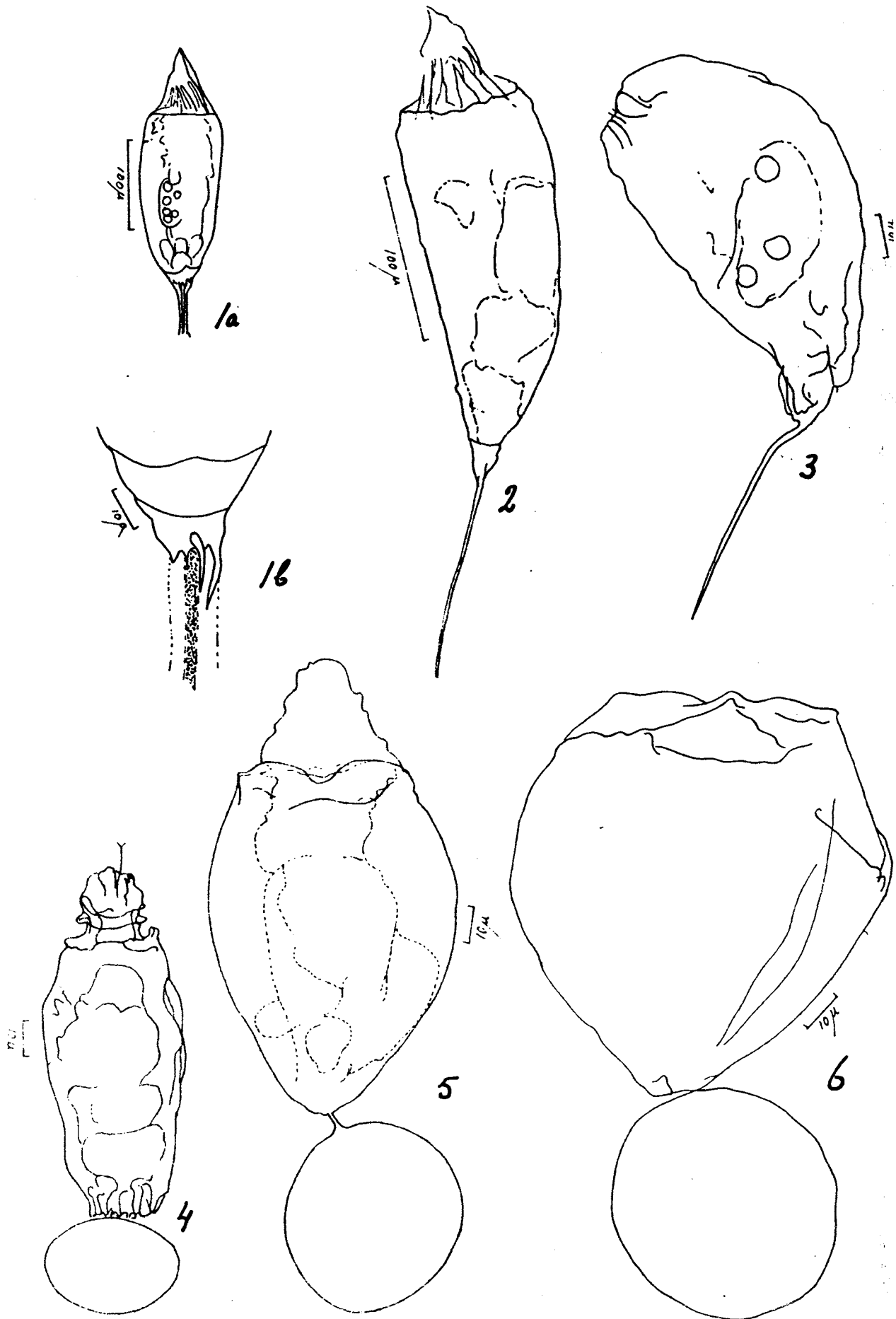
3. Best Salome twijfelt of het toch niet een afspijgende quadrate is.

PLAAT XXXVI



1. *Trichocerca similis* spec. 779-1/7
2. cf. *Raderdier* spec. 680-2/3
3. *Trichocerca* spec. 679-3/2
4. *Pantserloos raderdier* spec. 981-7/2
5. *Pompholyx* spec. 780-4/1
6. *Raderdier* spec. 679-7/2 *Pompholyx cf. sulcata* (Salomé')

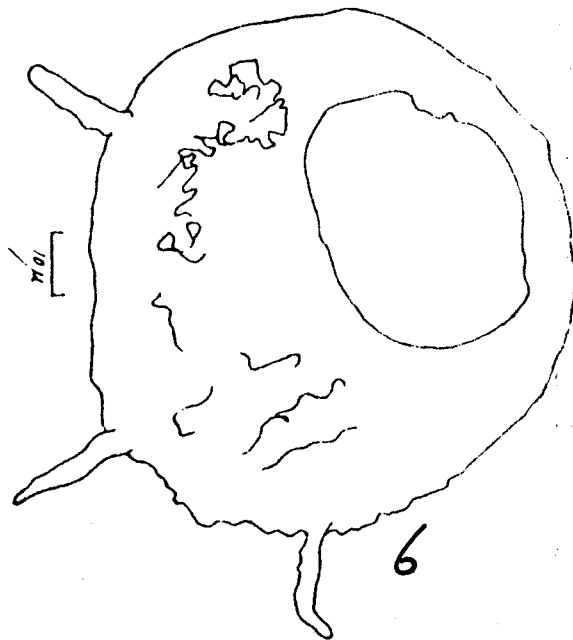
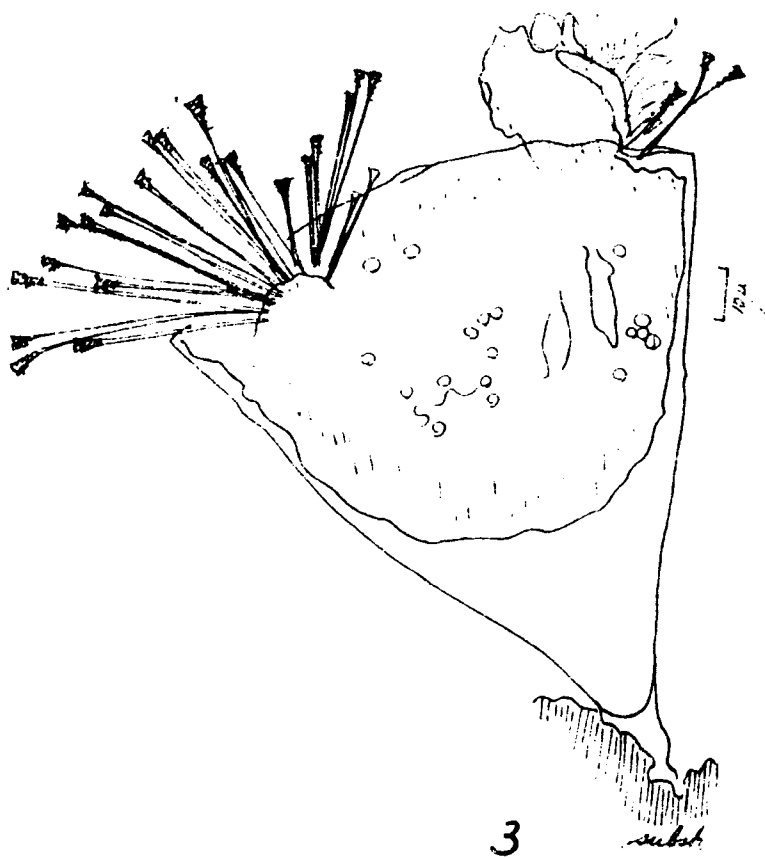
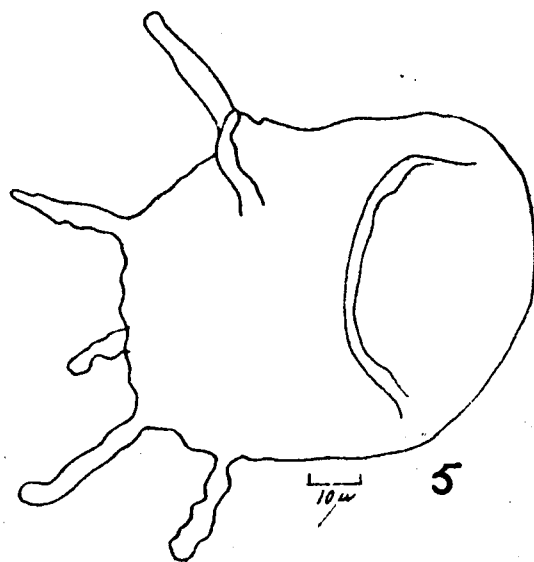
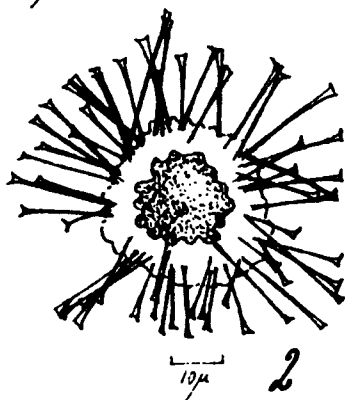
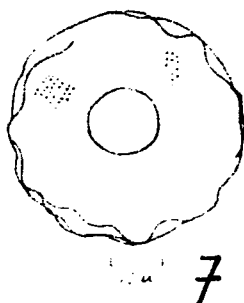
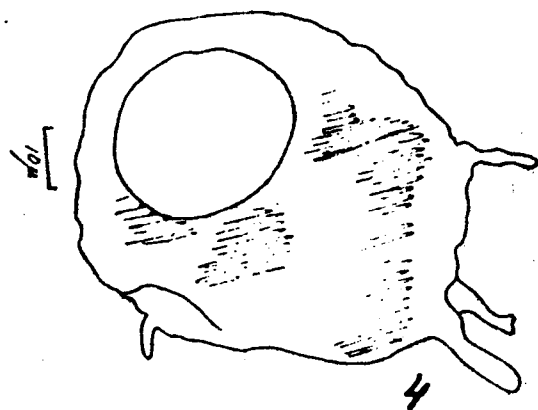
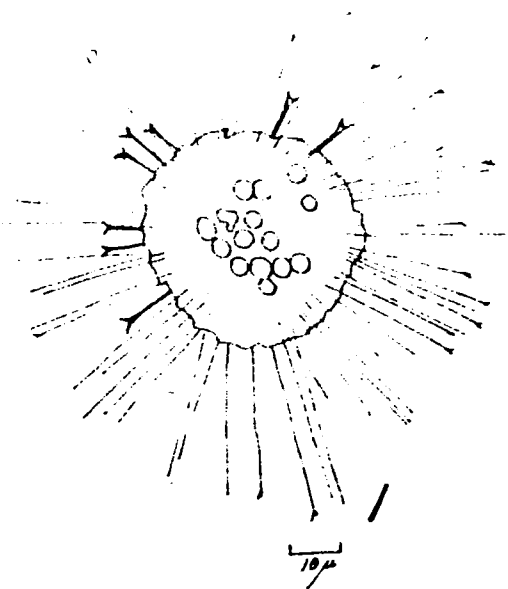
PLAAT · XXXVII



P L A A T XXXVIII

1. *Acanthocystis turfacea*
2. *Zonnedier* spec. 780-4/2
3. *Acineta tuberosa*
4. cf. *Cochliopodium* spec. 1079-8/1
5. *Centropyxis* spec. 580-3/1
6. cf. *Centropyxis* spec. 280-4/1
7. *Arcella gibbosa*

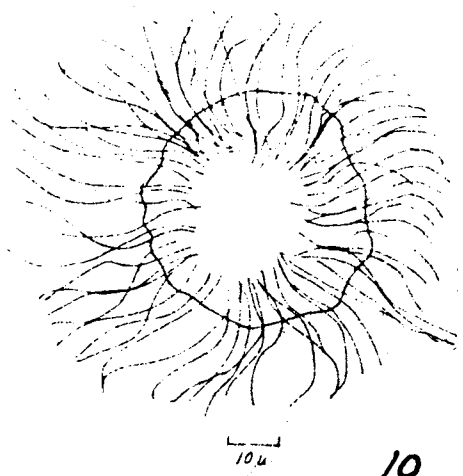
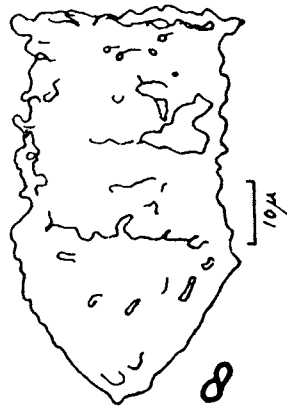
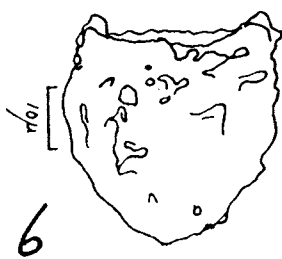
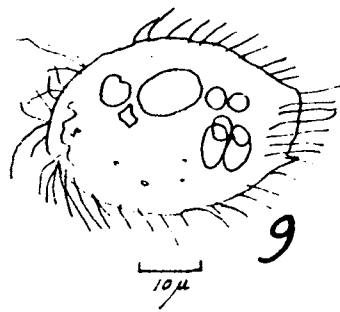
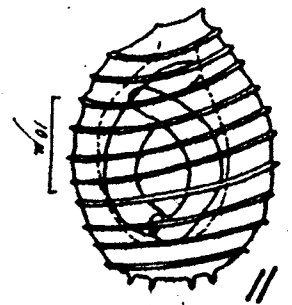
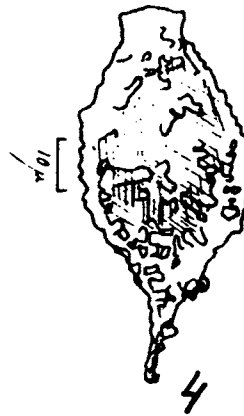
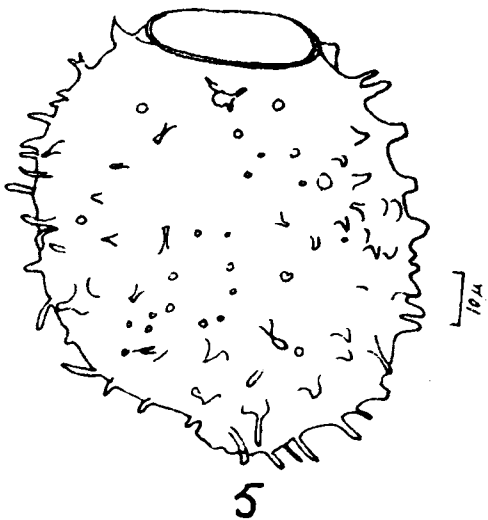
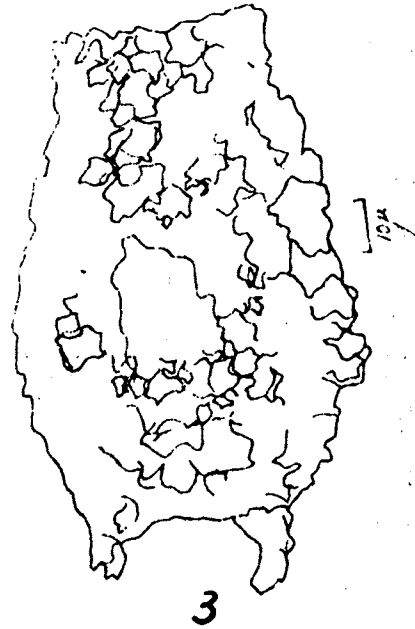
PLAAT XXXVIII



P L A A T XXXIX

1. Diffugia cf. acuminata
2. Diffugia curvicaulis
3. Diffugia varians
4. Huis spec. 181-1/2
5. Huis spec. 580-5/2
6. Tintinnopsis lacustris
7. Tintinnopsis lacustris
8. Tintinnopsis lacustris
9. Harige protozo spec. 679-4/1 *in citiaet (Salomé)*
10. Harige protozo spec. 881-1/1 *ispeitriche citiaet. (Salomé)*
11. Paulinella chromatophora

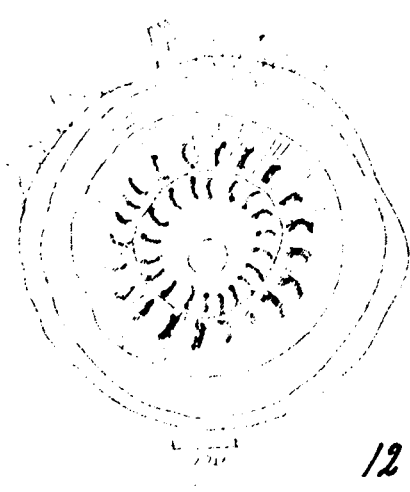
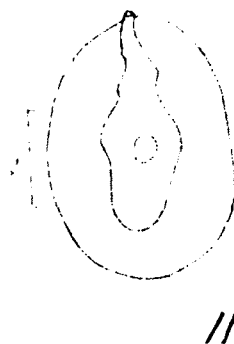
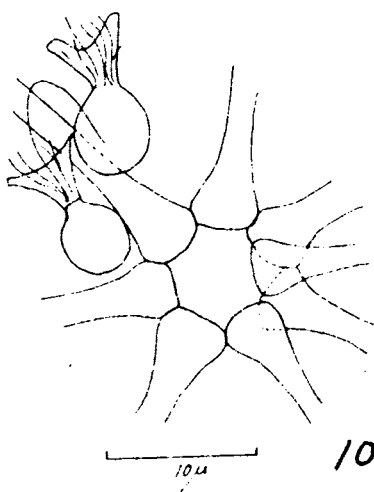
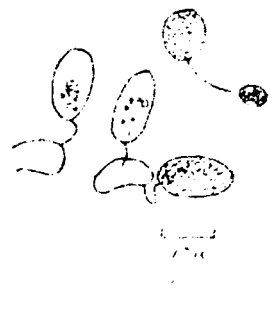
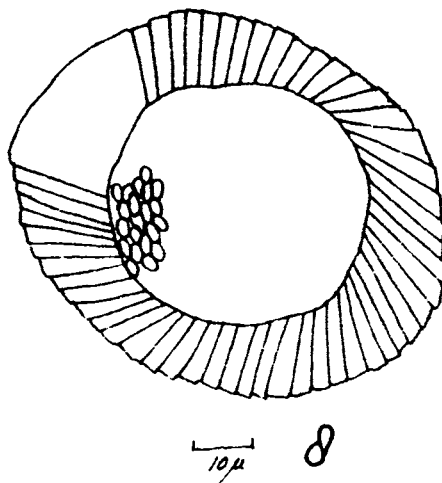
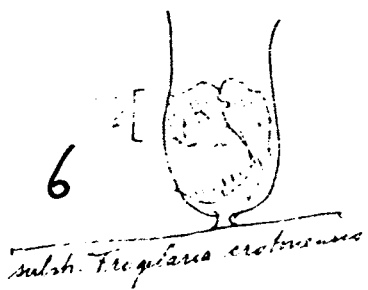
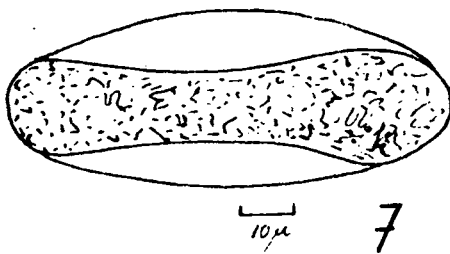
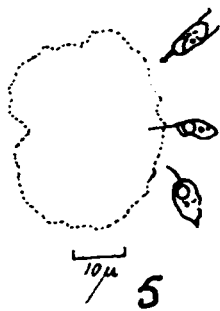
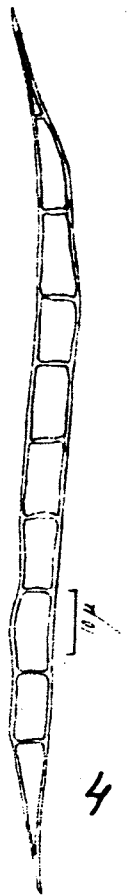
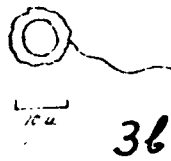
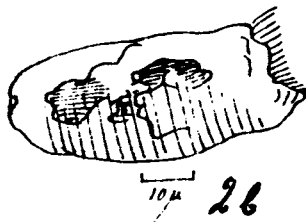
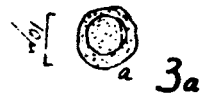
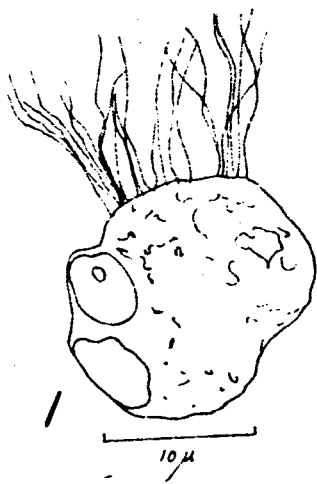
PLAAT XXXIX



P L A A T XXXX

1. Protozo spec. 280-2/1 (type 1)
2. Protozo spec. 580-6/2 *cf. rotatoria (Salome')*
3. Kleine ronde cel spec. 881-10/1
4. ~~cf. Ankistrodesmus longissimus~~ spec. 979-4/4 *onquid, regens
duniscorandem.*
5. Gesteelde algen spec. 880-5/1
6. Spec. 981-2/1
7. Gevouwen schaal spec. 181-4/2
8. Spec. 280-10/1
9. Spec. 880-5/2
10. cf. Monosiga spec. 979-2/4
11. Groenwier spec. 1080-7/1
12. Ronde structuur spec. 1179-5/1 = *epizoa ciliat fam.
Mrecolariidae (Salome')*
Trichodina pediculus grand.

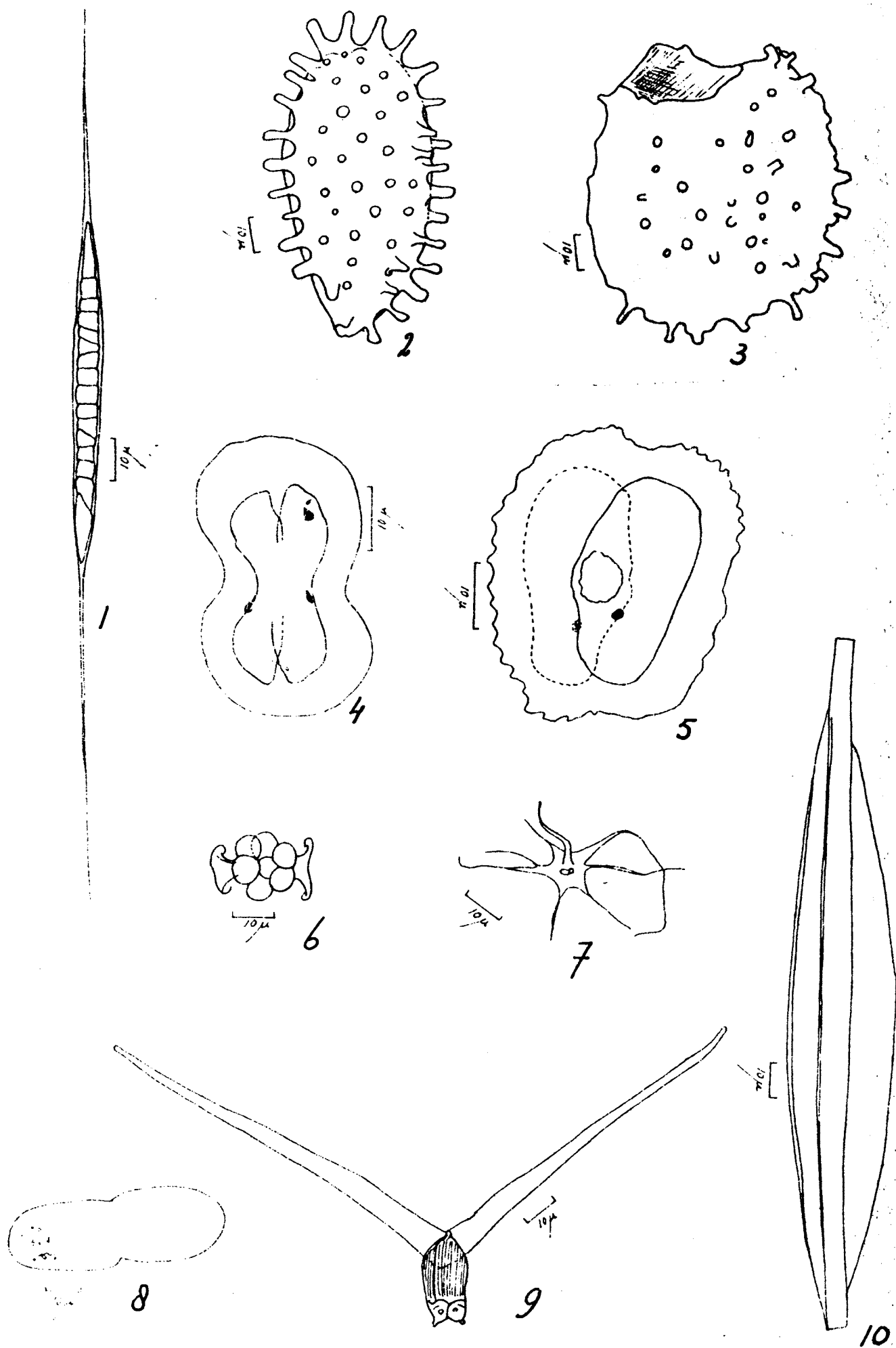
PLAAT XXXX



P L A A T XXXXI

1. Naaldcel spec. 979-4/2
2. cf. Ei spec. 580-7/2
3. cf. Stakelei spec. 181-1/4
4. Spec. 980-3/1a
5. Spec. 980-3/1b
6. Spec. 979-7/1
7. Stercel spec. 1279-2/3
8. Spec. 381-7/1
9. cf. Diceras spec. 580-10/1
10. Figuur spec. 580-8/2

PLAAT XXXXI



P L A A T

XXXII

1. Spec. 1181-2/1
2. Spec. 680-2/2
3. Spec. 1283-1/3
4. Blauwlier spec. 1279-2/2
5. Gesteelde structuur spec. 480-10/1

PLAAT XXXXII

