

R E P O R T
ON THE
SCIENTIFIC RESULTS
OF THE
VOYAGE OF H.M.S. CHALLENGER
DURING THE YEARS 1873-76

UNDER THE COMMAND OF
CAPTAIN GEORGE S. NARES, R.N., F.R.S.
AND THE LATE
CAPTAIN FRANK TOURLE THOMSON, R.N.

PREPARED UNDER THE SUPERINTENDENCE OF
THE LATE
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DIRECTOR OF THE CIVILIAN SCIENTIFIC STAFF ON BOARD
AND NOW OF
JOHN MURRAY
ONE OF THE NATURALISTS OF THE EXPEDITION

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PLATES

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1887

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PLATE 51.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families TRIPOCALPIDA, PHÆNOCALPIDA et CYRTOCALPIDA.

PLATE 51.

TRIPOCALPIDA, PHÆNOCALPIDA et CYRTOCALPIDA.

		Diam.	Page
Fig. 1. <i>Tripterocalpis phylloptera</i> , n. sp.,		× 400	1138
Fig. 2. <i>Tripterocalpis conoptera</i> , n. sp.,		× 300	1138
Fig. 3. <i>Tripterocalpis ogmoptera</i> , n. sp.,		× 300	1138
Fig. 4. <i>Tripterocalpis ogmoptera</i> , n. sp.,	A group of confluent pores, more enlarged.	× 500	1138
Fig. 5. <i>Tripterocalpis ogmoptera</i> , n. sp.,	Central capsule. In the centre the striate podoconus, above it four oil-globules, to the right the nucleus.	× 300	1138
Fig. 6. <i>Tripocalpis triserrata</i> , n. sp.,		× 600	1136
Fig. 7. <i>Tridictyopus conicus</i> , n. sp.,		× 300	1145
Fig. 8. <i>Tridictyopus vatillum</i> , n. sp.,		× 400	1145
Fig. 9. <i>Cyrtophormis spiralis</i> , n. sp.,		× 400	1166
Fig. 10. <i>Archicorys ovata</i> , n. sp.,		× 300	1185
Fig. 11. <i>Cyrtocalpis gromia</i> , n. sp.,		× 400	1188
Fig. 12. <i>Archicorys microstoma</i> , n. sp.,		× 400	1185
Fig. 13. <i>Cyrtocalpis urceolus</i> , n. sp.,	The ovate central capsule exhibits in the lower half the podoconus, in the upper half the spherical nucleus and three oil-globules. Between the capsule and the shell numerous xanthellæ, partly protruded through the shell-mouth along the radiating pseudopodia.	× 500	1186

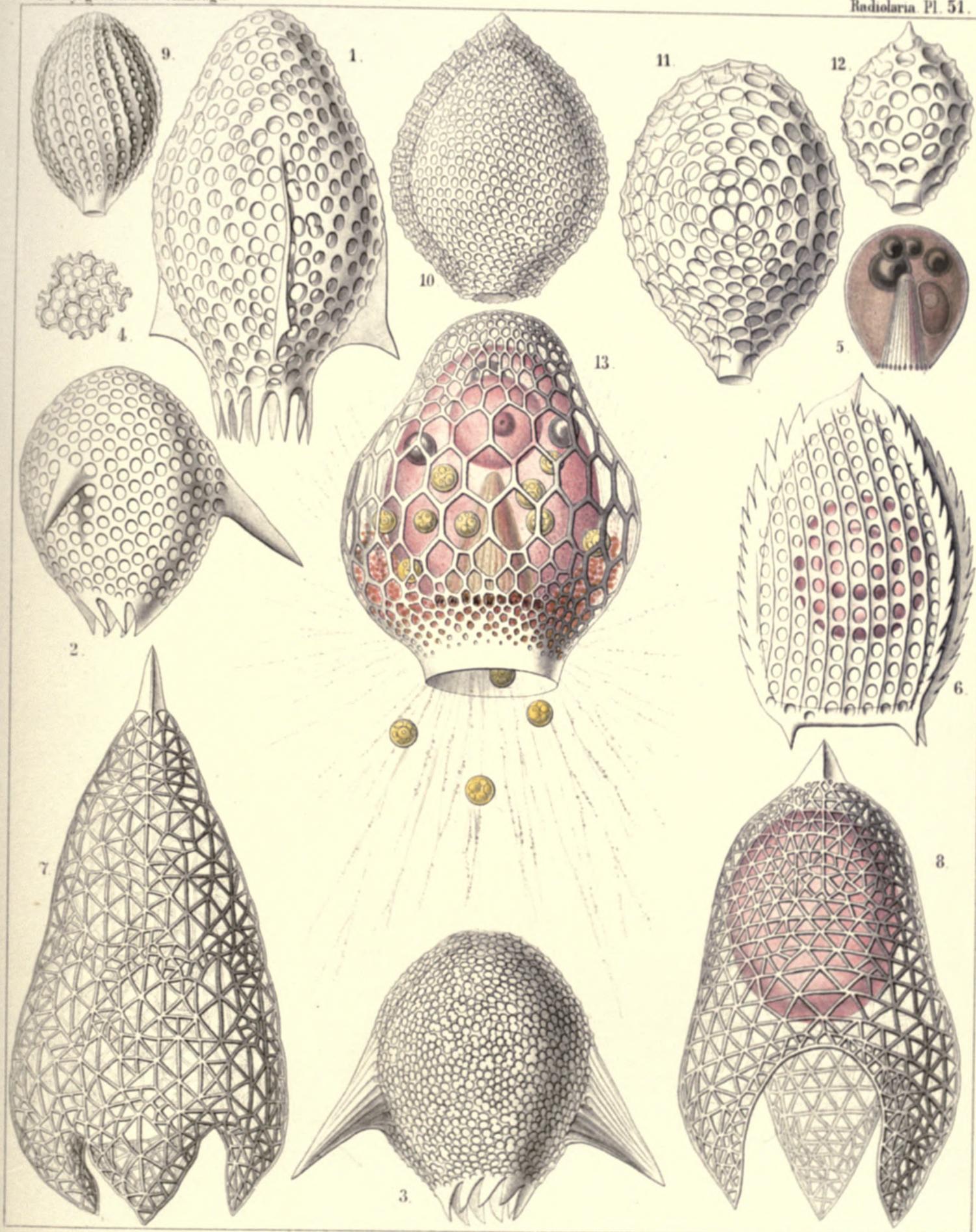


PLATE 52.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families **TRIPOCALPIDA**, **PHÆNOCALPIDA**, **CYRTOCALPIDA**
et **ANTHOCYRTIDA**.

PLATE 52.

TRIOPCALPIDA, PHÆNOCALPIDA, CYRTOCALPIDA et ANTHOCYRTIDA.

		Diam.	Page
Fig. 1.	<i>Cyrtophormis pila</i> , n. sp.,	× 300	1165
Fig. 2.	<i>Cyrtophormis aerostatica</i> , n. sp.,	× 300	1166
Fig. 3.	<i>Cyrtophormis aerostatica</i> , n. sp.,	× 300	1166
	Longitudinal section.		
Fig. 4.	<i>Cyrtocalpis sethopora</i> , n. sp.,	× 600	1187
Fig. 5.	<i>Cyrtocalpis lithomitra</i> , n. sp.,	× 400	1187
Fig. 6.	<i>Cyrtocalpis lithomitra</i> , n. sp.,	× 400	1187
	Longitudinal section.		
Fig. 7.	<i>Cyrtocalpis compacta</i> , n. sp.,	× 400	1187
Fig. 8.	<i>Cyrtocalpis compacta</i> , n. sp.,	× 400	1187
	Longitudinal section.		
Fig. 9.	<i>Carpocanistrum flosculum</i> , n. sp.,	× 400	1171
Fig. 10.	<i>Carpocanistrum cephalum</i> , n. sp.,	× 300	1171
Fig. 11.	<i>Carpocanistrum evacuatum</i> , n. sp.,	× 400	1172
Fig. 12.	<i>Carpocanium verecundum</i> , n. sp.,	× 400	1284
	Vertical section through the top of the shell.		
Fig. 13.	<i>Carpocanium verecundum</i> , n. sp.,	× 400	1284
Fig. 14.	<i>Carpocanium irregulare</i> , n. sp.,	× 400	1284
Fig. 15.	<i>Carpocanium hexagonale</i> , n. sp.,	× 400	1282
Fig. 16.	<i>Carpocanium peristomium</i> , n. sp.,	× 500	1283
Fig. 17.	<i>Carpocanium peristomium</i> , n. sp.,	× 500	1283
	Vertical section.		
Fig. 18.	<i>Carpocanium trepanum</i> , n. sp.,	× 600	1282
	Peristome.		
Fig. 19.	<i>Carpocanium petalospyris</i> , n. sp.,	× 300	1283
Fig. 20.	<i>Carpocanium virgineum</i> , n. sp.,	× 600	1285
Fig. 21.	<i>Tripodiscium sphærocephalum</i> , n. sp.,	× 400	1144
Fig. 22.	<i>Tripodiscium tristylospyris</i> , n. sp. (vel <i>Tristylospyris tripodiscium</i>),	× 600	1143
Fig. 23.	<i>Tripodiscium ramosum</i> , n. sp. (vel <i>Tristylospyris ramosa</i>),	× 600	1144

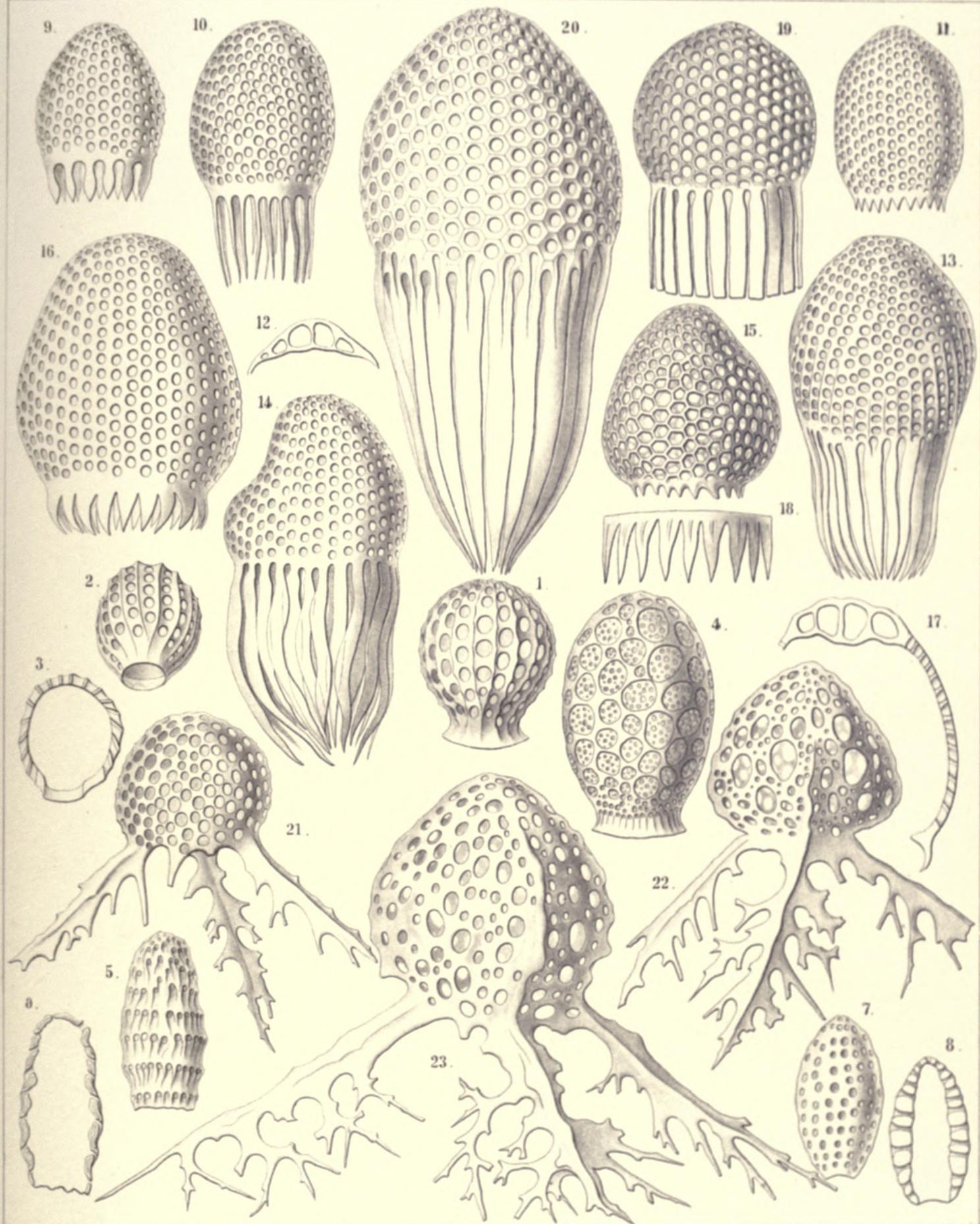


PLATE 53.

Legion NASSELLARIA.

Orders SPYROIDEA ET CYRTOIDEA.

Families ZYGOSPYRIDA, TRIPOCALPIDA, PHÆNOCALPIDA
et CYRTOCALPIDA.

PLATE 53.

ZYGOSPYRIDA, TRIPICALPIDA, PHÆNOCALPIDA et CYRTOCALPIDA.

		Diam.	Page
Fig. 1. <i>Archicapsa triforis</i> , n. sp.,	Lateral view.	× 300	1191
Fig. 2. <i>Archicapsa triforis</i> , n. sp.,	Basal view.	× 300	1191
Fig. 3 <i>Halicapsa triglochin</i> , n. sp.,	Lateral view.	× 200	1190
Fig. 4. <i>Halicapsa triglochin</i> , n. sp.,	Basal view.	× 200	1191
Fig. 5. <i>Halicapsa hystrix</i> , n. sp.,	Lateral view.	× 200	1191
Fig. 6. <i>Halicapsa hystrix</i> , n. sp.,	Basal view.	× 200	1191
Fig. 7. <i>Cantharospyris platybursa</i> , n. sp. (vel <i>Platybursa compressa</i>),		× 400	1051
Fig. 8 <i>Tessarospyris clathrobursa</i> , n. sp. (vel <i>Clathrobursa dictyopus</i>),		× 400	1045
Fig. 9. <i>Peridium spinipes</i> , n. sp.,		× 500	1154
Fig. 10. <i>Peridium palmipes</i> , n. sp.,		× 500	1154
Fig. 11. <i>Archiscenium quadrispinum</i> , n. sp.,	In the spherical central capsule the dark nucleus is visible.	× 500	1150
Fig. 12. <i>Euscenium eucolpium</i> , n. sp.,		× 500	1147
Fig. 13. <i>Cladoscenium ancoratum</i> , n. sp.,		× 400	1149
Fig. 14. <i>Pteroscenium pinnatum</i> , n. sp.,	Lateral view.	× 400	1152
Fig. 15. <i>Pteroscenium pinnatum</i> , n. sp.,	Vertical section.	× 400	1152
Fig. 16. <i>Pteroscenium pinnatum</i> , n. sp.,	Basal view.	× 400	1152
Fig. 17. <i>Calpophaena hexarrhabda</i> , n. sp.,		× 400	1176
Fig. 18. <i>Calpophaena hexarrhabda</i> , n. sp.,	Basal plate.	× 400	1176
Fig. 19. <i>Tetraspyris tetracorethra</i> , n. sp.,	With the four-lobed central capsule, in each lobe an oil-globule.	× 400	1044
Fig. 20. <i>Tetraspyris tetracorethra</i> , n. sp.,	Shell more enlarged.	× 800	1044



PLATE 54.

Legion **NASSELLARIA**.

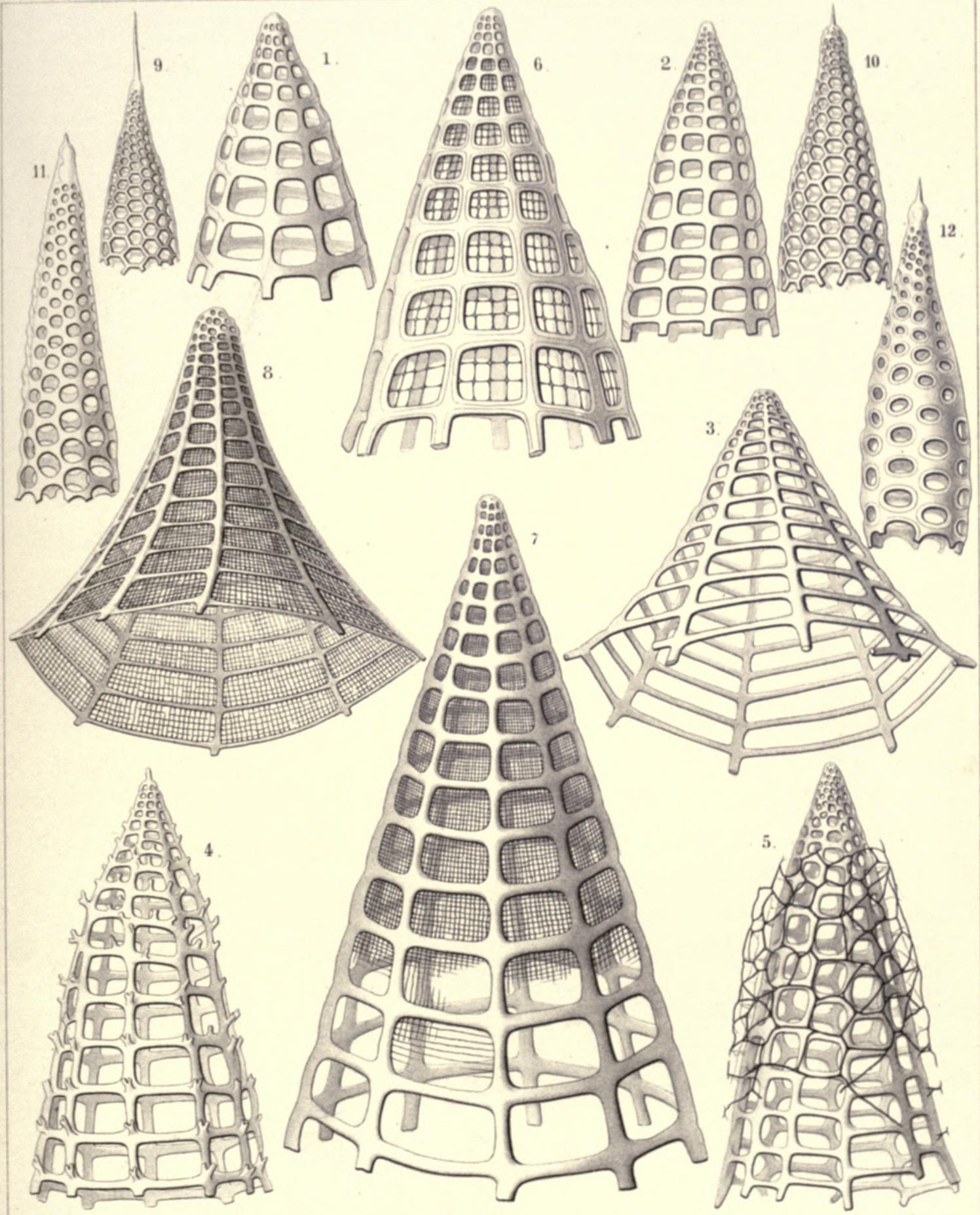
Order **CYRTOIDEA**.

Families **PHÆNOCALPIDA**, **CYRTOCALPIDA**, **ANTHOCYRTIDA**
et **SETHOCYRTIDA**.

PLATE 54.

PHÆNOCALPIDA, CYRTOCALPIDA, ANTHOCYRTIDA et SETHOCYRTIDA.

		Diam.	Page
Fig. 1.	<i>Bathropyramis quadrata</i> , n. sp.,	× 300	1159
Fig. 2.	<i>Sethopyramis quadrata</i> , n. sp.,	× 300	1254
Fig. 3.	<i>Bathropyramis trapezoides</i> , n. sp.,	× 300	1160
Fig. 4.	<i>Bathropyramis ramosa</i> , n. sp.,	× 300	1161
Fig. 5.	<i>Peripyramis circumtexta</i> , n. sp.,	× 300	1162
Fig. 6.	<i>Plectopyramis dodecomma</i> , n. sp.,	× 400	1258
Fig. 7.	<i>Cinclopyramis infundibulum</i> , n. sp.,	× 300	1161
Fig. 8.	<i>Plectopyramis trapezomma</i> , n. sp.,	× 400	1258
Fig. 9.	<i>Cornutella hexagona</i> , n. sp.,	× 400	1180
Fig. 10.	<i>Cornutella sethoconus</i> , n. sp.,	× 400	1180
Fig. 11.	<i>Sethoconus orthoceras</i> , n. sp.,	× 400	1294
Fig. 12.	<i>Sethoconus bimarginatus</i> , n. sp.,	× 400	1295



1-4. BATHOPYRAMIS, 5. PERIPYRAMIS, 6-8. CINCLOPYRAMIS,
9-12. CORNUTELLA.

PLATE 55.

Legion NASSELLARIA.

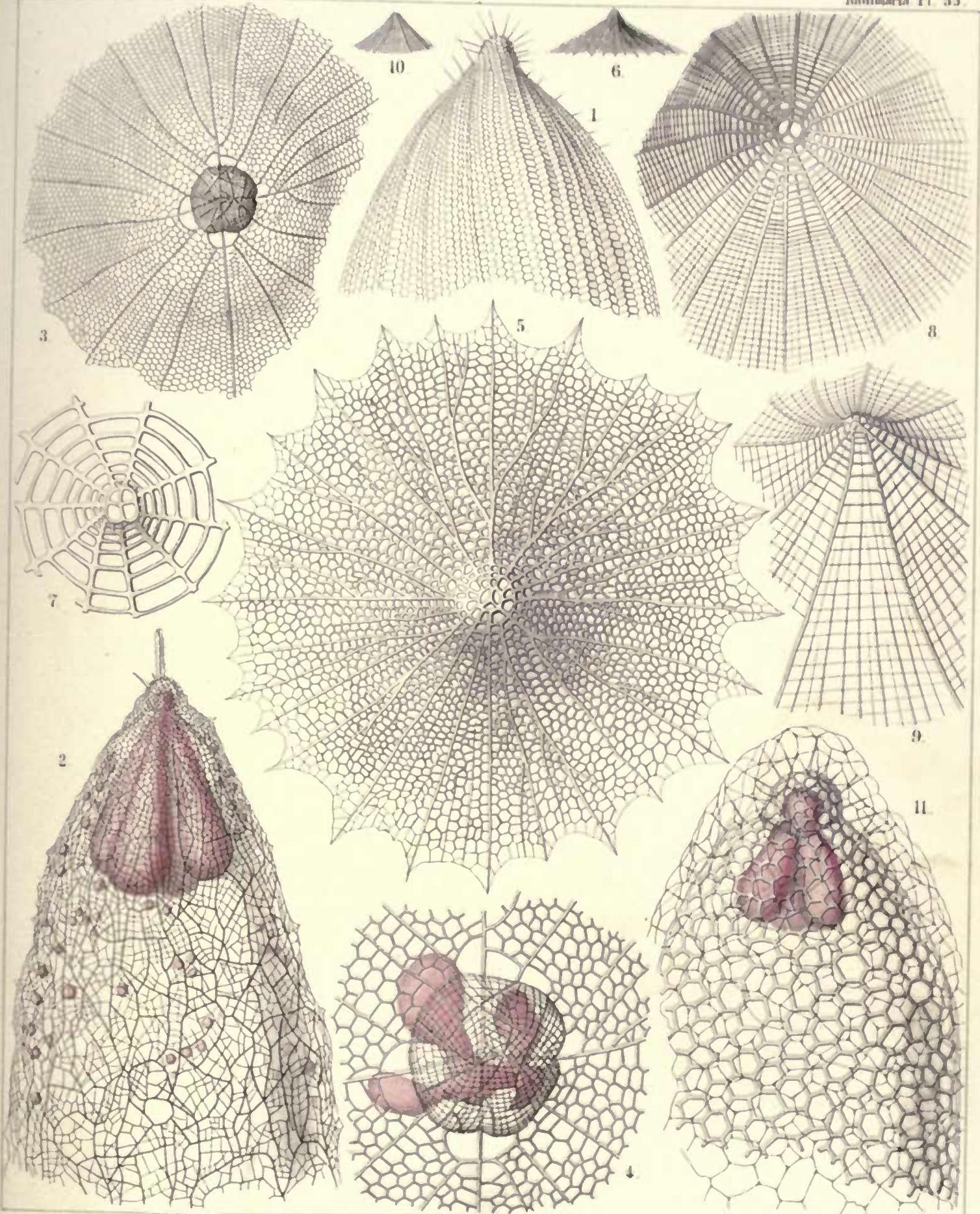
Order CYRTOIDEA.

Families PHÆNOCALPIDA, ANTHOCYRTIDA et SETHOCYRTIDA.

PLATE 55.

PHÆNOCALPIDA, ANTHOCYRTIDA et SETHOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Sethoconus facetus</i> , n. sp. (vel <i>Phlebarachnium facetum</i>),	Upper part of the shell.	× 300	1296
Fig. 2. <i>Sethoconus venosus</i> , n. sp. (vel <i>Phlebarachnium venosum</i>),	Shell including the four-lobed central capsule.	× 250	1297
Fig. 3. <i>Sethophormis aurelia</i> , n. sp. (vel <i>Leptarachnium aurelia</i>),	Shell seen from above.	× 100	1248
Fig. 4. <i>Sethophormis aurelia</i> , n. sp.,	Cephalis more enlarged, with the enclosed four-lobed central capsule.	× 400	1248
Fig. 5. <i>Cladarachnium ramosum</i> , n. sp.,	Apical view.	× 300	1165
Fig. 6. <i>Cladarachnium ramosum</i> , n. sp.,	Lateral view.	× 70	1165
Fig. 7. <i>Bathropyramis interrupta</i> , n. sp.,	Apical part of the shell, from above.	× 300	1160
Fig. 8. <i>Litharachnium araneosum</i> , n. sp.,	Apical part of the shell, from above.	× 300	1163
Fig. 9. <i>Litharachnium epeira</i> , n. sp.,	Oblique view of the shell.	× 500	1164
Fig. 10. <i>Litharachnium araneosum</i> , n. sp.,	Lateral view.	× 50	1163
Fig. 11. <i>Periarachnium periplectum</i> , n. sp.,	Shell enclosing the trilobed central capsule.	× 500	1297



12 PHLEBARACHNIUM. 3 & LEPTARACHNIUM. 5-10 LITHARACHNIUM.
11 PERIARACHNIUM.

PLATE 56.

Legion NASSELLARIA.

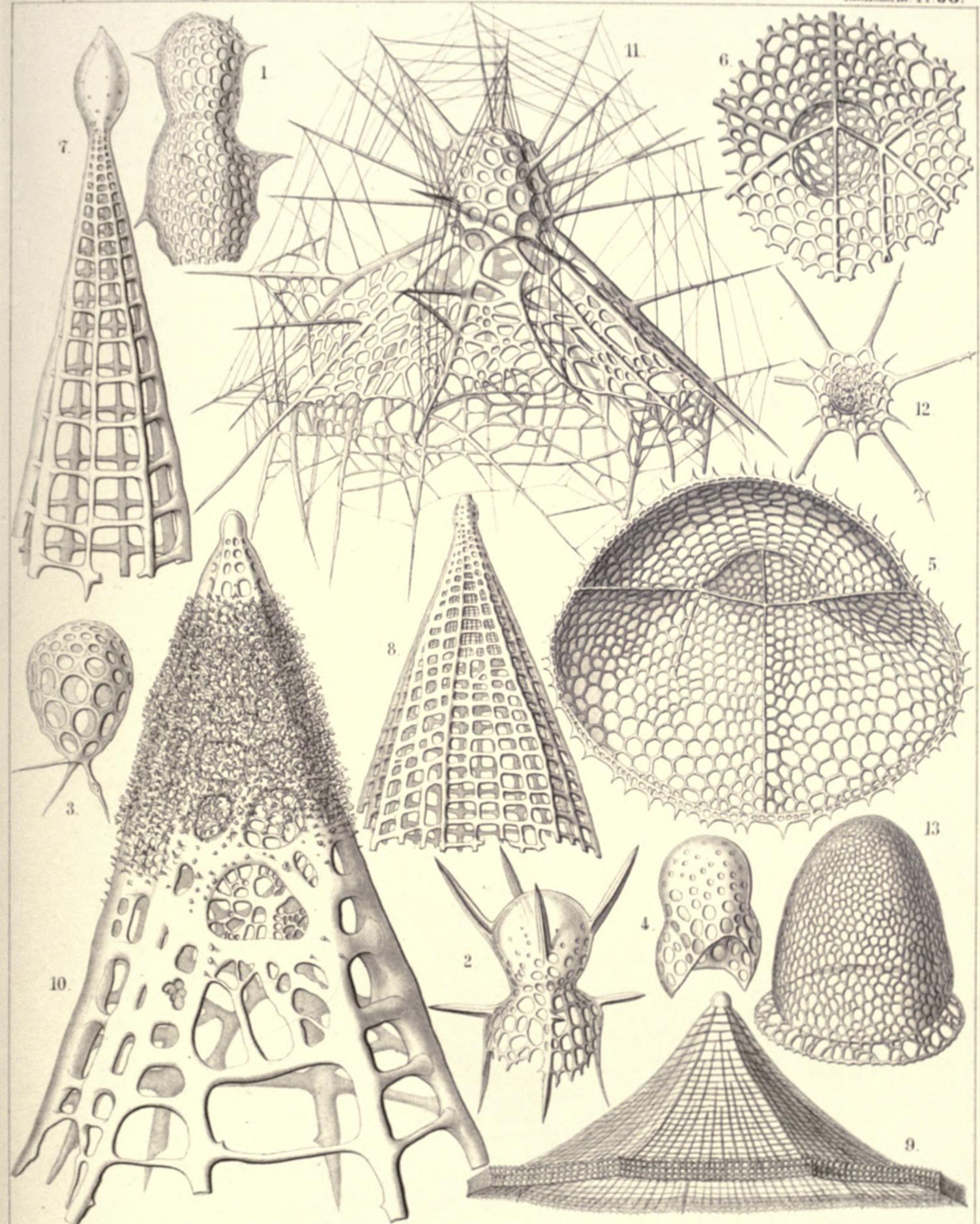
Order CYRTOIDEA.

Families TRIPOCYRTIDA, ANTHOCYRTIDA et SETHOCYRTIDA.

PLATE 56.

TRIPOCYRTIDA, ANTHOCYRTIDA et SETHOCYRTIDA.

		Diam.	Page
Fig. 1.	<i>Lithomelissa bütschlii</i> , n. sp. (vel <i>Sethomelissa bütschlii</i>),	× 400	1207
Fig. 2.	<i>Lithomelissa decacantha</i> , n. sp. (vel <i>Sethomelissa decacantha</i>),	× 400	1208
Fig. 3.	<i>Psilomelissa calvata</i> , n. sp.,	× 400	1209
	The cephalis alone, with the three collar beams.		
Fig. 4.	<i>Lychnodictyum scaphopodium</i> , n. sp.,	× 400	1231
Fig. 5.	<i>Sethophormis pentalactis</i> , n. sp. (vel <i>Pentaphormis pentalactis</i>), × 400		1244
	Oblique view of the shell, from below.		
Fig. 6.	<i>Sethophormis hexalactis</i> , n. sp. (vel <i>Hexaphormis hexalactis</i>), × 400		1245
	Central part of the shell, with the cortinar septum.		
Fig. 7.	<i>Sethopyramis enneactis</i> , n. sp. (vel <i>Cephalopyramis enneactis</i>), × 400		1254
Fig. 8.	<i>Plectopyramis polypleura</i> , n. sp. (vel <i>Sethopyramis polypleura</i>), × 200		1260
Fig. 9.	<i>Sethophormis eupilium</i> , n. sp. (vel <i>Craspedilium eupilium</i>), × 400		1247
Fig. 10.	<i>Plectopyramis spongiosa</i> , n. sp. (vel <i>Spongopyramis spongiosa</i>), × 400		1261
Fig. 11.	<i>Arachnocorys araneosa</i> , n. sp.,	× 500	1266
Fig. 12.	<i>Sethophormis dodecaster</i> , n. sp. (vel <i>Astrophormis dodecaster</i>), × 200		1248
Fig. 13.	<i>Sethocephalus eucecryphalus</i> , n. sp.,	× 400	1298



E. Mackel and J. Gütlich, Del.

E. Gütlich, Jena, Lithogr.

1.2. SETHOMELISSA, 3.4. PSIOMELISSA, 5. PENTAPHORMIS, 6. HEXAPHORMIS,
7. CEPHALOPYRAMIS, 8.9. SETHOPYRAMIS, 10. PLECTOPYRAMIS,
11.12. ARACHNOCORYS, 13. SETHOCEPHALUS.

PLATE 57.

Legion NASSELLARIA.

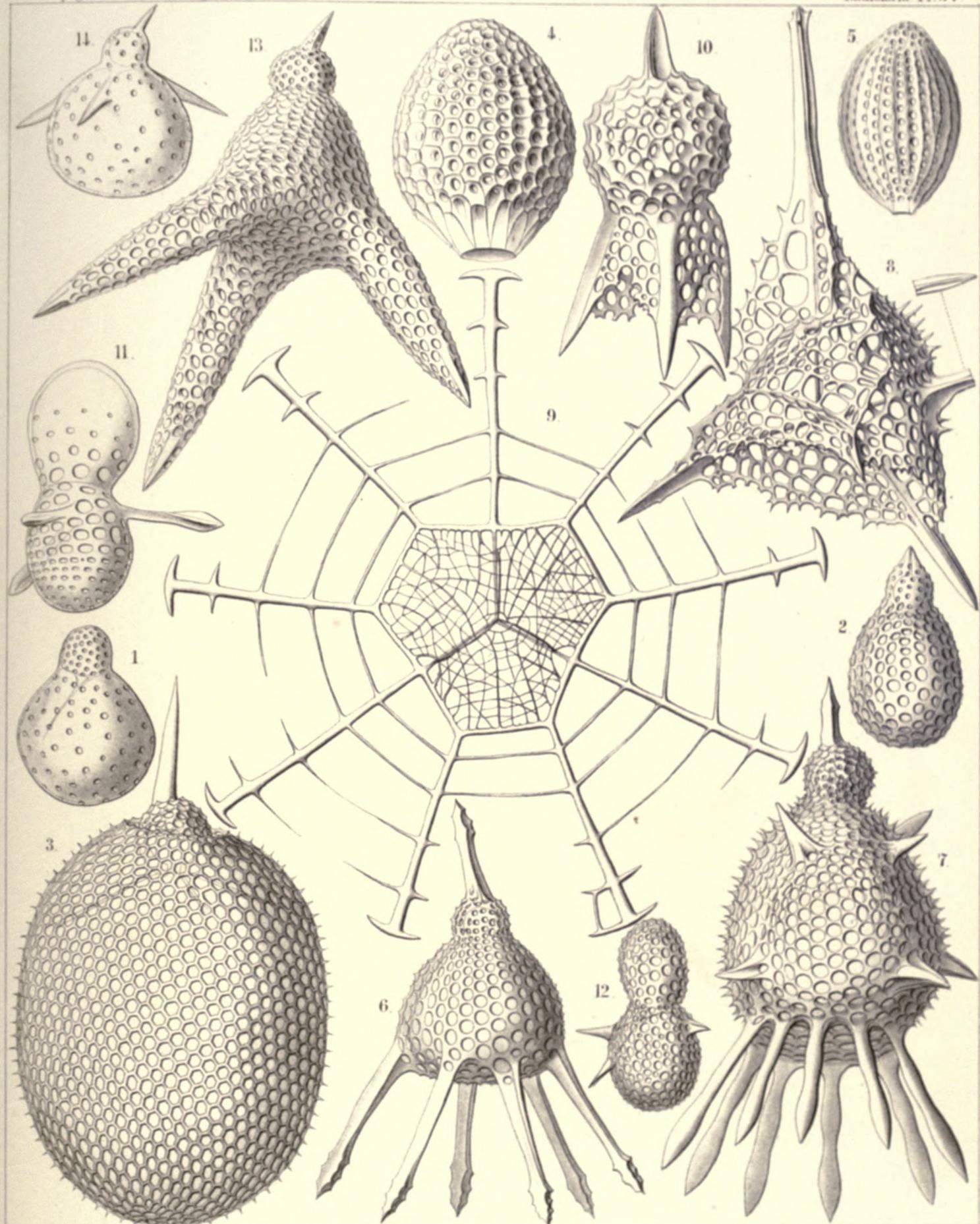
Order CYRTOIDEA.

Families TRIPOCYRTIDA, ANTHOCYRTIDA et SETHOCYRTIDA.

PLATE 57.

TRIPOCYRTIDA, ANTHOCYRTIDA et SETHOCYRTIDA.

		Diam.	Page
Fig. 1.	<i>Dicocolapsa microcephala</i> , n. sp.,	× 400	1312
Fig. 2.	<i>Sethocapsa pyriformis</i> , n. sp.,	× 300	1310
Fig. 3.	<i>Lithopera ananassa</i> , n. sp.,	× 500	1234
Fig. 4.	<i>Sethamphora favosa</i> , n. sp. (vel <i>Cryptoprora favosa</i>),	× 400	1252
Fig. 5.	<i>Sethamphora microstoma</i> , n. sp. (vel <i>Cryptoprora microstoma</i>), × 300	300	1252
Fig. 6.	<i>Clistophæna hexolena</i> , n. sp.,	× 300	1287
Fig. 7.	<i>Clistophæna armata</i> , n. sp.,	× 300	1288
Fig. 8.	<i>Clathromitra pterophormis</i> , n. sp.,	× 400	1219
Fig. 9.	<i>Sethophormis rotula</i> , n. sp. (vel <i>Enneaphormis rotula</i>),	× 400	1246
Fig. 10.	<i>Dictyophimus sphærocephalus</i> , n. sp.,	× 400	1195
Fig. 11.	<i>Peromelissa phalacra</i> , n. sp.,	× 400	1236
Fig. 12.	<i>Peromelissa calva</i> , n. sp.,	× 300	1237
Fig. 13.	<i>Sethochytris triconiscus</i> , n. sp.,	× 300	1239
Fig. 14.	<i>Micromelissa bombus</i> , n. sp.,	× 300	1235



E. Heckel and J. Güttsch Del.

E. Güttsch, Jena, Lithogr.

1. SETHOCAPSA, 2. 3. LITHOPERA, 4. 5. CRYPTOPRORA, 6. 7. SETHOPHATNA,
8. PTEROPHORMIS, 9. ENNEAPHORMIS, 10. DICTYOPHIMUS, 11. 12. PEROMELISSA,
13. SETHOCHYTRIS, 14. SETHOPERA.

PLATE 58.

Legion NASSELLARIA.

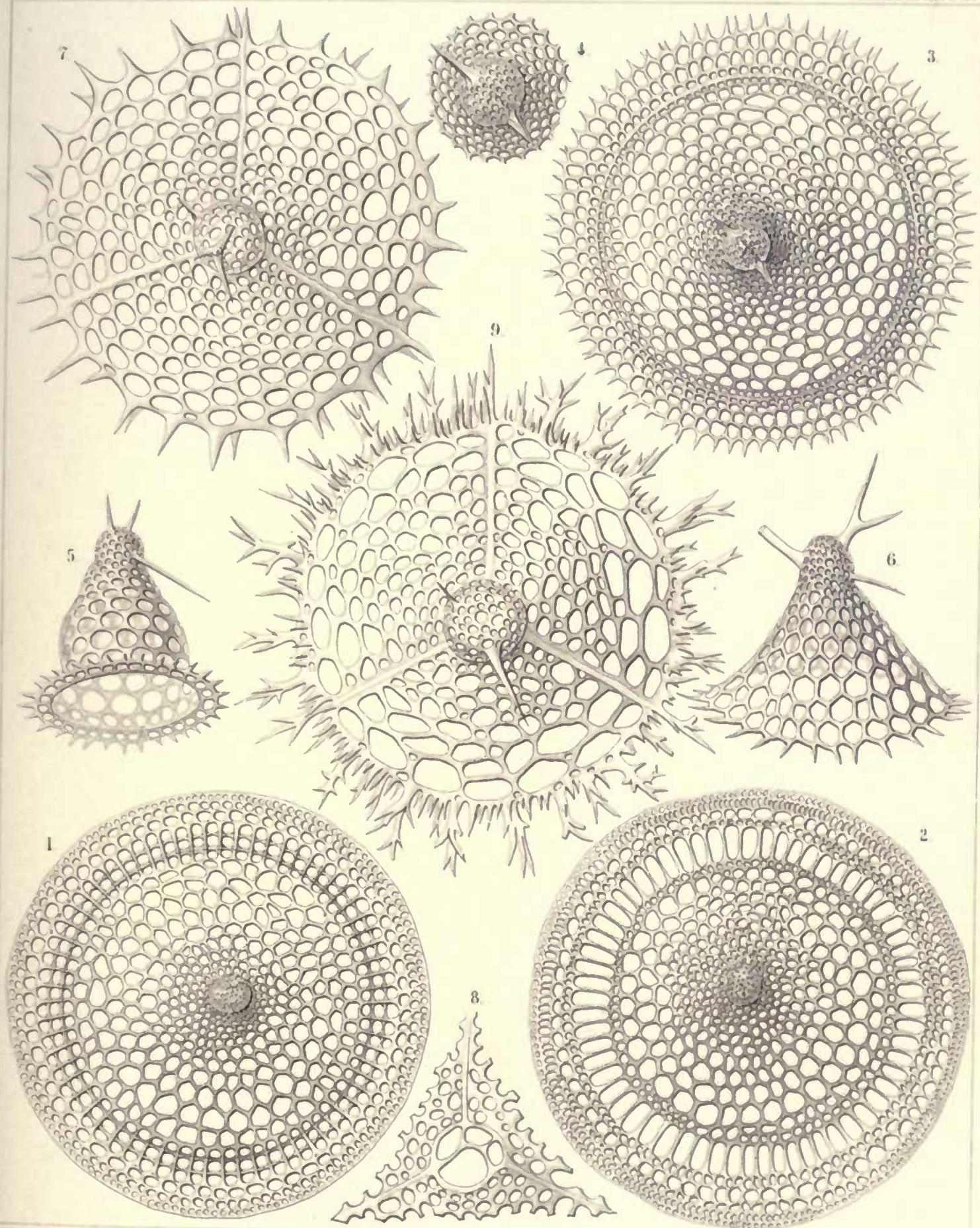
Order CYRTOIDEA.

Families TRIPOCYRTIDA, SETHOCYRTIDA, PHORMOCYRTIDA
et THEOCYRTIDA.

PLATE 58.

TRIPOCYRTIDA, SETHOCYRTIDA, PHORMOCYRTIDA et THEOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Cecryphalium sestrodiscus</i> , n. sp.,		× 400	1399
Apical view.			
Fig. 2. <i>Cecryphalium lamprodiscus</i> , n. sp.,		× 400	1398
Apical view.			
Fig. 3. <i>Clathrocyclas coscinodiscus</i> , n. sp.,		× 400	1389
Apical view.			
Fig. 4. <i>Clathrocyclas coscinodiscus</i> , n. sp.,		× 700	1389
The cephalis alone, with the two horns.			
Fig. 5. <i>Clathrocyclas semeles</i> , n. sp.,		× 400	1388
Lateral view.			
Fig. 6. <i>Sethoconus capreolus</i> , n. sp.,		× 400	1291
Lateral view.			
Fig. 7. <i>Lampronitria quadricuspis</i> , n. sp.,		× 400	1214
Apical view.			
Fig. 8. <i>Lampronitria furcata</i> , n. sp.,		× 400	1215
The collar septum after removal of the cephalis.			
Fig. 9. <i>Lampronitria dendrocorona</i> , n. sp.,		× 400	1216
Apical view.			



12 CECRYPHALIUM. 3-6 EUCECRYPHALUS. 7-9 LAMPROMITRA.

PLATE 59

ANATOLIAN CYRTOIDEA FROM THE MUSEUM OF THE UNIVERSITY OF LEBANON.

881	003		
881	004	x	sp. in Ascidia terebrans 1. 21
881	001	x	sp. in ascidaria membranaceae 2. 21
881	008	x	sp. in Chondrus crispus 3. 21
881	003	x	ascidaria membranacea in sp. 4. 21
ascidaria membranacea ad dura pectinatae strobila ad usculum Riedeli			
881	001	x	sp. in ascidaria membranacea 5. 21
881	001	x	sp. in ascidaria membranacea 6. 21
881	004	x	sp. in ascidaria membranacea 7. 21 var. lempii

PLATE 59.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families TRIPOCYRTIDA, PODOCYRTIDA et PHORMOCYRTIDA.

881	004	x	
ascidaria membranacea ad dura pectinatae strobila ad usculum Riedeli			
881	001	x	sp. in ascidaria membranacea 1. 21
ascidaria ad levigata var. Riedeli ad usculum			
881	003	x	sp. in ascidaria membranacea 2. 21
ascidaria membranacea ad dura pectinatae strobila ad usculum Riedeli			
881	008	x	sp. in ascidaria membranacea 3. 21
ascidaria membranacea ad dura pectinatae strobila ad usculum Riedeli			
881	003	x	sp. in Chondrus crispus 4. 21 Riedeli ad usculum

PLATE 59.

TRIPOCYRTIDA, PODOCYRTIDA et PHORMOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Lampromitra huxleyi</i> , n. sp.,		× 400	1215
Fig. 2. <i>Amphiplecta callistoma</i> , n. sp.,		× 400	1224
Fig. 3. <i>Corocalyptra agnesæ</i> , n. sp.,		× 400	1323
Fig. 4. <i>Corocalyptra emmae</i> , n. sp.,		× 400	1323
	The shell encloses the trilobate central capsule, with the trilobate nucleus.		
Fig. 5. <i>Clathrocyclas cassiopejæ</i> , n. sp.,		× 400	1390
Fig. 6. <i>Clathrocyclas alcmenæ</i> , n. sp.,		× 400	1388
Fig. 7. <i>Clathrocyclas latonæ</i> , n. sp.,		× 400	1389
	Apical view.		
Fig. 8. <i>Diplocyclas bicorona</i> , n. sp.,		× 400	1392
Fig. 9. <i>Clathrocyclas ionis</i> , n. sp.,		× 400	1389
Fig. 10. <i>Corocalyptra elisabethæ</i> , n. sp.,		× 400	1323
	Oblique apical view of the shell, with the quadrilobate central capsule enclosed.		
Fig. 11. <i>Clathrocyclas europæ</i> , n. sp.,		× 400	1388
	Apical view of the shell, after removal of the cephalis.		
Fig. 12. <i>Clathrocyclas europæ</i> , n. sp.,		× 400	1388
	Central capsule, seen from above, with the quadrilobate nucleus.		
Fig. 13. <i>Clathrocyclas danaës</i> , n. sp.,		× 300	1388
	Vertical section through the cephalis and the quadrilobate central capsule, with the quadrilobate nucleus.		
Fig. 14. <i>Clathrocyclas danaës</i> , n. sp.,		× 300	1388
	Apical view of the shell.		

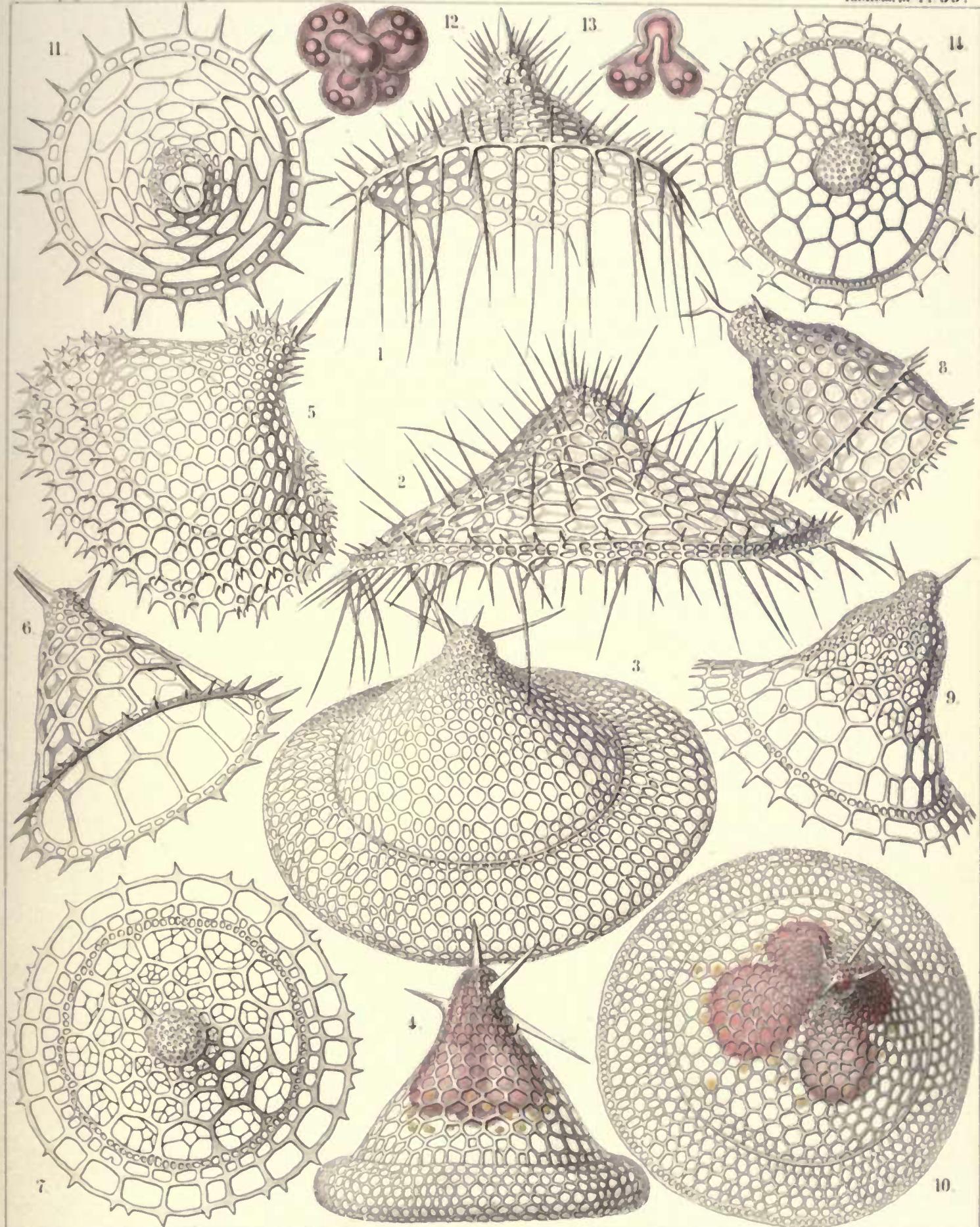


PLATE 59.

- 911 001 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 207
912 002 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 208
913 003 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 209
914 004 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 210
915 005 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 211
916 006 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 212
917 007 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 213

PLATE 60.

- 911 001 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 214
as above. Same locality and date as the species listed.
Legion NASSELLARIA.

Order CYRTOIDEA.

Family TRIPOCYRTIDA.

- 911 001 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 215
912 002 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 216
golden yellow with some light red on the head and neck.
913 003 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 217
914 004 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 218
915 005 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 219
916 006 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 220
917 007 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 221
918 008 X *Leptothrix* sp. *leptothrix* *leptothrix* 1 222

PLATE 60.

TRIPOCYRTIDA.

	Diam.	Page
Fig. 1. <i>Dictyophimus cienkowskii</i> , n. sp. (vel <i>Lamprotricus squarrosus</i>),	× 300	1200
Shell seen from the side.		
Fig. 2. <i>Dictyophimus bütschlii</i> , n. sp. (vel <i>Lamprotricus horridus</i>),	× 300	1201
Fig. 3. <i>Dictyophimus hertwigi</i> , n. sp. (vel <i>Lamprotricus spinosus</i>),	× 400	1201
The cephalis of the shell includes the central capsule, with three lobes depending in the pyramidal thorax.		
Fig. 4. <i>Dictyophimus platycephalus</i> , n. sp.,	× 400	1198
Central capsule with four thoracic lobes, each of which contains an oil-globule; kidney-shaped nucleus in the cephalic lobe.		
Fig. 5. <i>Dictyophimus platycephalus</i> , n. sp.,	× 400	1198
Shell seen from the side.		
Fig. 6. <i>Dictyophimus brandtii</i> , n. sp.,	× 300	1198
Shell seen from the base, with the four large pores of the collar septum, two minor jugular and two major cardinal pores.		
Fig. 7. <i>Lampromitra coronata</i> , n. sp.,	× 400	1214
Shell seen from below, with the quadrilobate central capsule.		
Fig. 7a. A portion of the shell-margin,	× 800	1214
Fig. 8. <i>Lampromitra arborescens</i> , n. sp.,	× 400	1216
Shell from above.		
Fig. 8a. The collar septum with the four crossed rods of the cortina,	× 400	1216
Fig. 9. <i>Tripocytis plectaniscus</i> , n. sp.,	× 400	1202
Fig. 10. <i>Tripocytis plagoniscus</i> , n. sp.,	× 400	1201

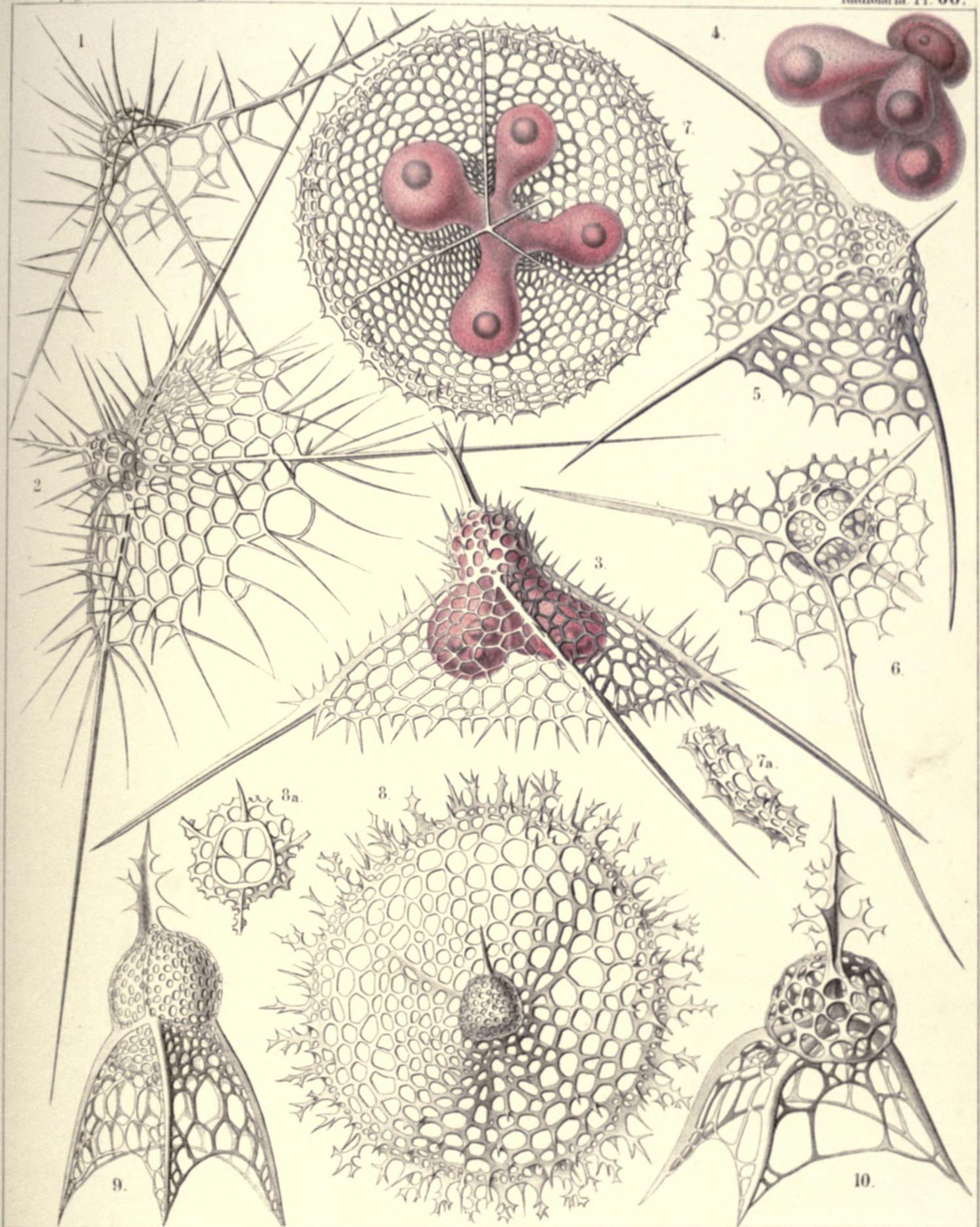


PLATE 61.

Legion NASSELLARIA.

Order CYRTOIDEA.

Family TRIPOCYRTIDA.

PLATE 61.

TRIPOCYRTIDA

		Diam.	Page
Fig. 1. <i>Dictyophimus cortina</i> , n. sp., .	.	×	400 1197
Fig. 2. <i>Lychnocanium pudicum</i> , n. sp., .	.	×	200 1230
Fig. 3. <i>Dictyophimus longipes</i> , n. sp., .	.	×	400 1197
Fig. 4. <i>Lychnocanium clavigerum</i> , n. sp., .	.	×	300 1230
Fig. 5. <i>Dictyophimus lasanum</i> , n. sp., .	.	×	300 1197
Fig. 6. <i>Lychnocanium favosum</i> , n. sp., .	.	×	300 1225
Fig. 7. <i>Lychnocanium lanterna</i> , n. sp., .	.	×	300 1224
Fig. 8. <i>Dictyophimus plectaniscus</i> , n. sp., .	.	×	300 1196
	Apical view.		
Fig. 9. <i>Dictyophimus plectaniscus</i> , n. sp., .	.	×	300 1196
	Lateral view.		
Fig. 10. <i>Lychnocanium fenestratum</i> , n. sp., .	.	×	400 1228
Fig. 11. <i>Lychnocanium pyriforme</i> , n. sp., .	.	×	300 1225
Fig. 12. <i>Lychnocanium fortipes</i> , n. sp., .	.	×	300 1227
Fig. 13. <i>Lychnocanium tuberosum</i> , n. sp., .	.	×	300 1227
Fig. 14. <i>Lychnocanium nodosum</i> , n. sp., .	.	×	300 1225
Fig. 15. <i>Lychnocanium sigmopodium</i> , n. sp., .	.	×	400 1228
Fig. 16. <i>Dictyophimus pyramis</i> , n. sp., .	.	×	300 1196
Fig. 17. <i>Dictyophimus triserratus</i> , n. sp., .	.	×	300 1200

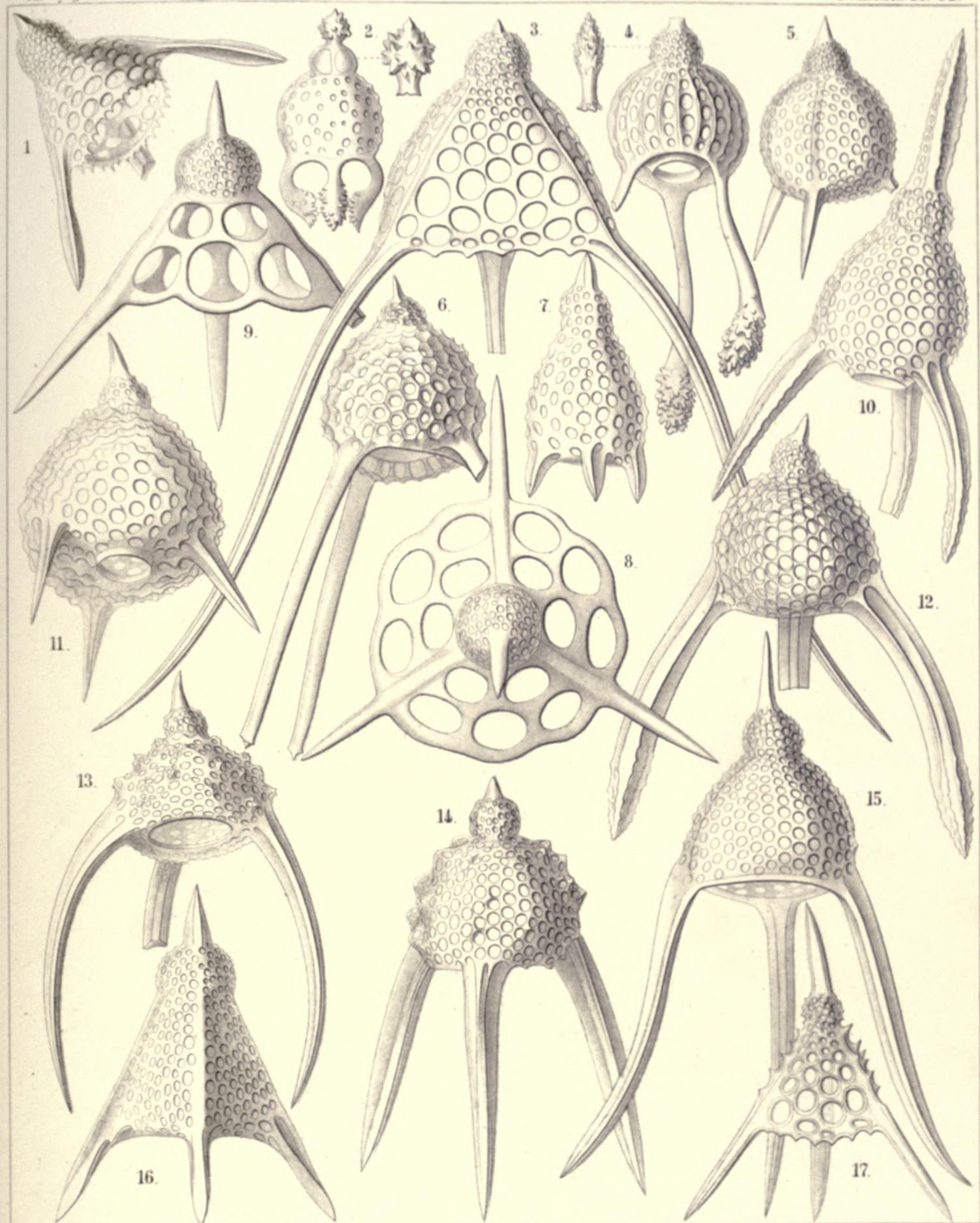


PLATE 62.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families ANTHOCYRTIDA, SETHOCYRTIDA et PHORMOCYRTIDA.

PLATE 62.

ANTHOCYRTIDA, SETHOCYRTIDA et PHORMOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Dictyocephalus australis</i> , n. sp., . . . . .	.	x 300	1306
Fig. 2. <i>Dictyocephalus mediterraneus</i> , n. sp., . . . . .	.	x 300	1307
Fig. 3. <i>Sethamphora costata</i> , n. sp. (vel <i>Dictyocephalus costatus</i>), . . . . .	.	x 300	1251
Fig. 4. <i>Dictyocephalus amphora</i> , n. sp., . . . . .	.	x 400	1305
Fig. 5. <i>Cycladophora</i> (?) <i>favosa</i> , n. sp. (an <i>Dictyocephalus</i> ?), . . . . .	.	x 400	1380
Fig. 6. <i>Cycladophora</i> (?) <i>favosa</i> , n. sp. (an <i>Dictyocephalus</i> ?),	A variety with obliterated ribs (?).	x 400	1380
Fig. 7. <i>Dictyocephalus globiceps</i> , n. sp., . . . . .	.	x 400	1308
Fig. 8. <i>Sethocorys achillies</i> , n. sp., . . . . .	.	x 400	1301
Fig. 9. <i>Sethocyrtis oxycephalis</i> , n. sp., . . . . .	.	x 400	1299
Fig. 10. <i>Sethocorys odysseus</i> , n. sp., . . . . .	.	x 400	1302
Fig. 11. <i>Sethocyrtis agamemnonis</i> , n. sp.,	Seen from above (apical view).	x 300	1300
Fig. 11A. <i>Sethocyrtis agamemnonis</i> , n. sp.,	Seen from above, after removal of the cephalis.	x 300	1300
Fig. 12. <i>Anthocytium pyrum</i> , n. sp., . . . . .	.	x 400	1276
Fig. 13. <i>Anthocytium ovata</i> , n. sp., . . . . .	.	x 300	1272
Fig. 14. <i>Anthocytium chrysanthemum</i> , n. sp., . . . . .	.	x 400	1272
Fig. 15. <i>Anthocyrtidium ligularia</i> , n. sp., . . . . .	.	x 400	1278
Fig. 16. <i>Anthocyrtidium cineraria</i> , n. sp., . . . . .	.	x 400	1278
Fig. 17. <i>Anthocytium campanula</i> , n. sp., . . . . .	.	x 400	1274
Fig. 18. <i>Anthocytium doronicum</i> , n. sp., . . . . .	.	x 300	1276
Fig. 19. <i>Anthocytium flosculus</i> , n. sp., . . . . .	.	x 300	1277
Fig. 20. <i>Anthocytium adonis</i> , n. sp., . . . . .	.	x 300	1273
Fig. 21. <i>Sethoconus anthocyrtis</i> , n. sp. (vel <i>Anthocytium sethoconium</i>), . . . . .	.	x 300	1296

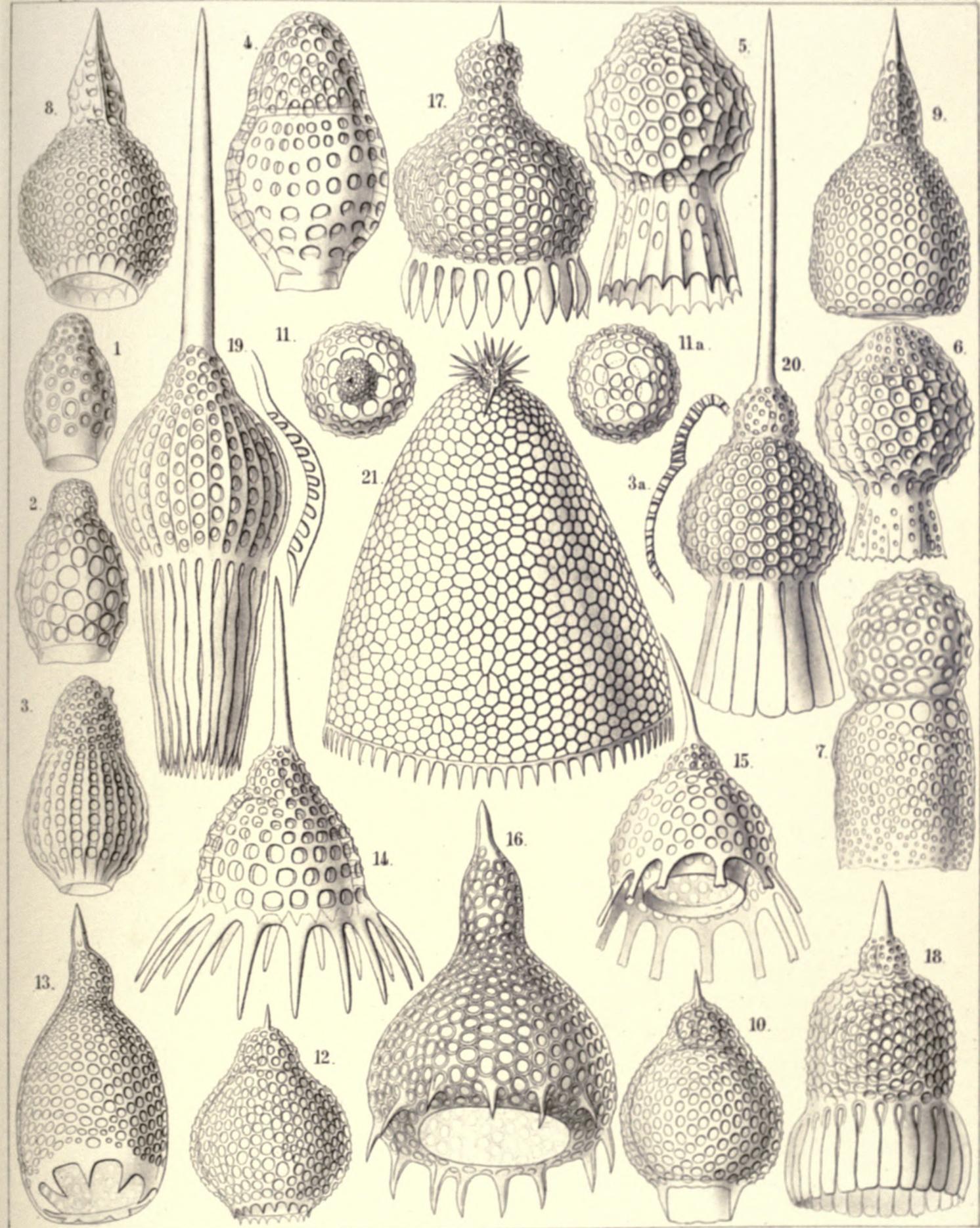


PLATE 63.

Legion NASSELLARIA.

Order CYRTOIDEA.

Family TRIPOCYRTIDA.

PLATE 63.

TRIPOCYRTIDA.

	Diam.	Page
Fig. 1. <i>Callimitra carolotæ</i> , n. sp.,	× 400	1217
Lateral view.		
Fig. 2. <i>Callimitra annæ</i> , n. sp.,	× 400	1217
Dorsal view.		
Fig. 3. <i>Callimitra emmæ</i> , n. sp.,	× 300	1218
Lateral view.		
Fig. 4. <i>Callimitra emmæ</i> , n. sp.,	× 400	1218
Cephalis alone, with the enclosed four-lobed central capsule, and the internal four divergent beams; surrounded by some scattered xanthellæ.		
Fig. 5. <i>Callimitra agnesæ</i> , n. sp.,	× 400	1217
Dorsal view.		
Fig. 6. <i>Callimitra elisabethæ</i> , n. sp.,	× 400	1218
Lateral view.		
Fig. 7. <i>Callimitra carolotæ</i> , n. sp.,	× 200	1217
Seen from above (from the apical pole).		
Fig. 8. <i>Callimitra carolotæ</i> , n. sp.,	× 200	1217
Seen from below (from the basal pole).		

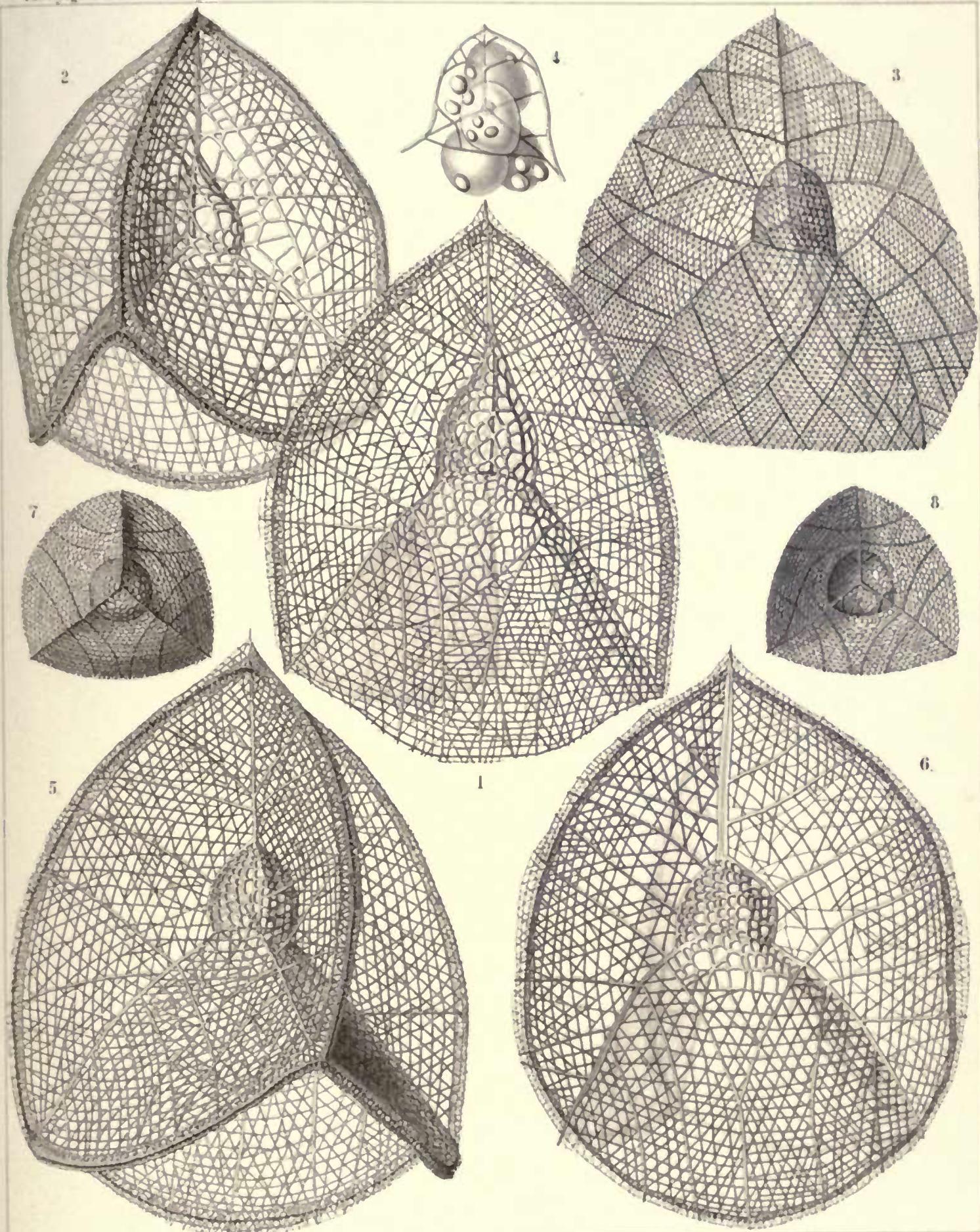


PLATE 64.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families TRIPOCYRTIDA et PODOCYRTIDA.

PLATE 64.

TRIPOCYRTIDA et PODOCYRTIDA.

		Diam.	Page
Fig. 1.	<i>Clathrocanium sphærocephalum</i> , n. sp.,	× 600	1211
Fig. 2.	<i>Clathrocanium diadema</i> , n. sp.,	× 600	1212
Fig. 3.	<i>Clathrocanium triomma</i> , n. sp.,	× 600	1211
Fig. 4.	<i>Clathrocanium reginæ</i> , n. sp.,	× 600	1212
Fig. 5.	<i>Clathrolychnus araneosus</i> , n. sp.,	× 600	1240
Fig. 6.	<i>Clathrolychnus periplectus</i> , n. sp.,	× 600	1241
Fig. 7.	<i>Pteropilum clathrocanium</i> , n. sp.,	× 400	1327
Fig. 8.	<i>Clathrocorys murrayi</i> , n. sp.,	× 600	1219
Fig. 9.	<i>Clathrocorys giltschii</i> , n. sp.,	× 600	1220
Fig. 10.	<i>Clathrocorys teuscheri</i> , n. sp.,	× 600	1220

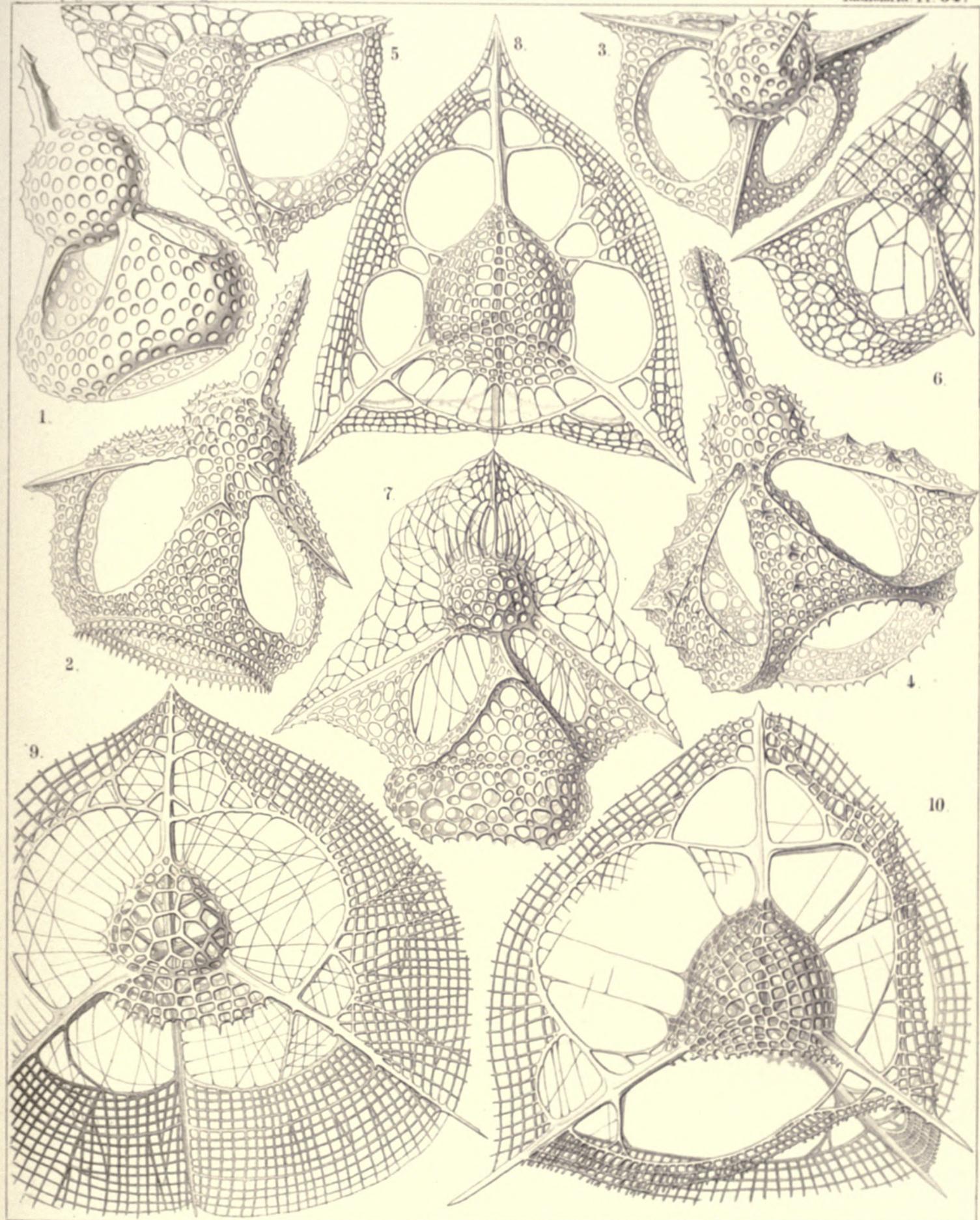


PLATE 65.

Legion NASSELLARIA.

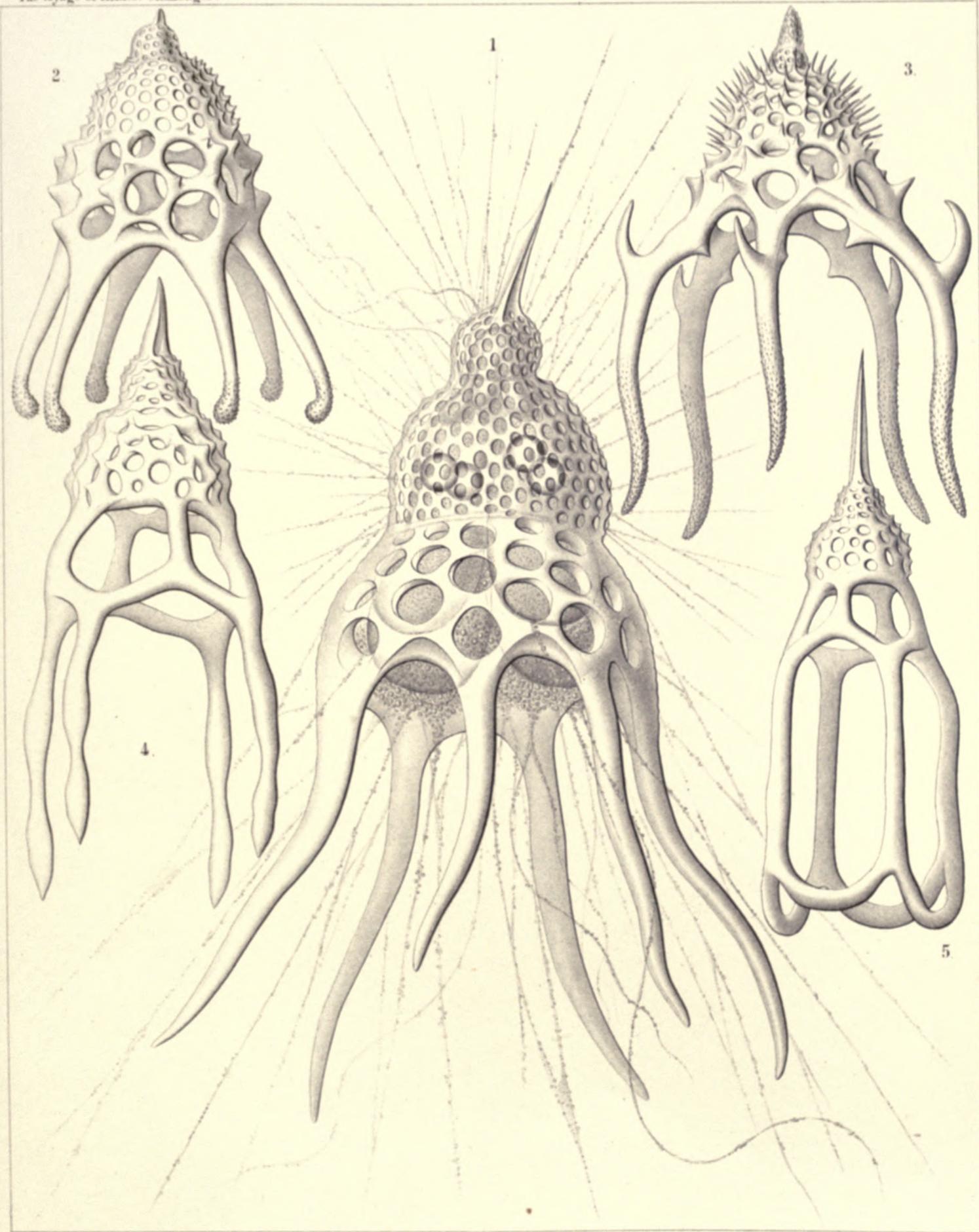
Order CYRTOIDEA.

Family PHORMOCYRTIDA.

PLATE 65.

PHORMOCYRTIDA.

	Diam.	Page
Fig. 1. <i>Alacorys friderici</i> , n. sp. (vel <i>Hexalacorys friderici</i>),	× 400	1372
The central capsule, enclosed in the fenestrated shell, exhibits in its lower half four large club-shaped lobes, each of which includes in its upper part a large oil-globule. The uppermost, undivided part of the capsule includes the nucleus, which protrudes four small nuclear lobes through the four holes of the cortinar septum into the thorax. Numerous long pseudopodia arise from the granular sarcomatrix, which the capsule surrounds, and pass through the pores of the siliceous shell.		
Fig. 2. <i>Alacorys guilelmi</i> , n. sp. (vel <i>Hexalacorys guilelmi</i>),	× 300	1372
Fig. 3. <i>Alacorys bismarckii</i> , n. sp. (vel <i>Pentalacorys bismarckii</i>),	× 200	1372
Fig. 4. <i>Alacorys lutheri</i> , n. sp. (vel <i>Tetralacorys lutheri</i>),	× 400	1370
Fig. 5. <i>Cycladophora goetheana</i> , n. sp. (vel <i>Lampterium goetheanum</i>), × 300		1376



1. 2. HEXALACORYS, 3. PENTALACORYS, 1 TETRALACORYS,
5. THEOPHORMIS.

PLATE 66.

Legion NASSELLARIA.

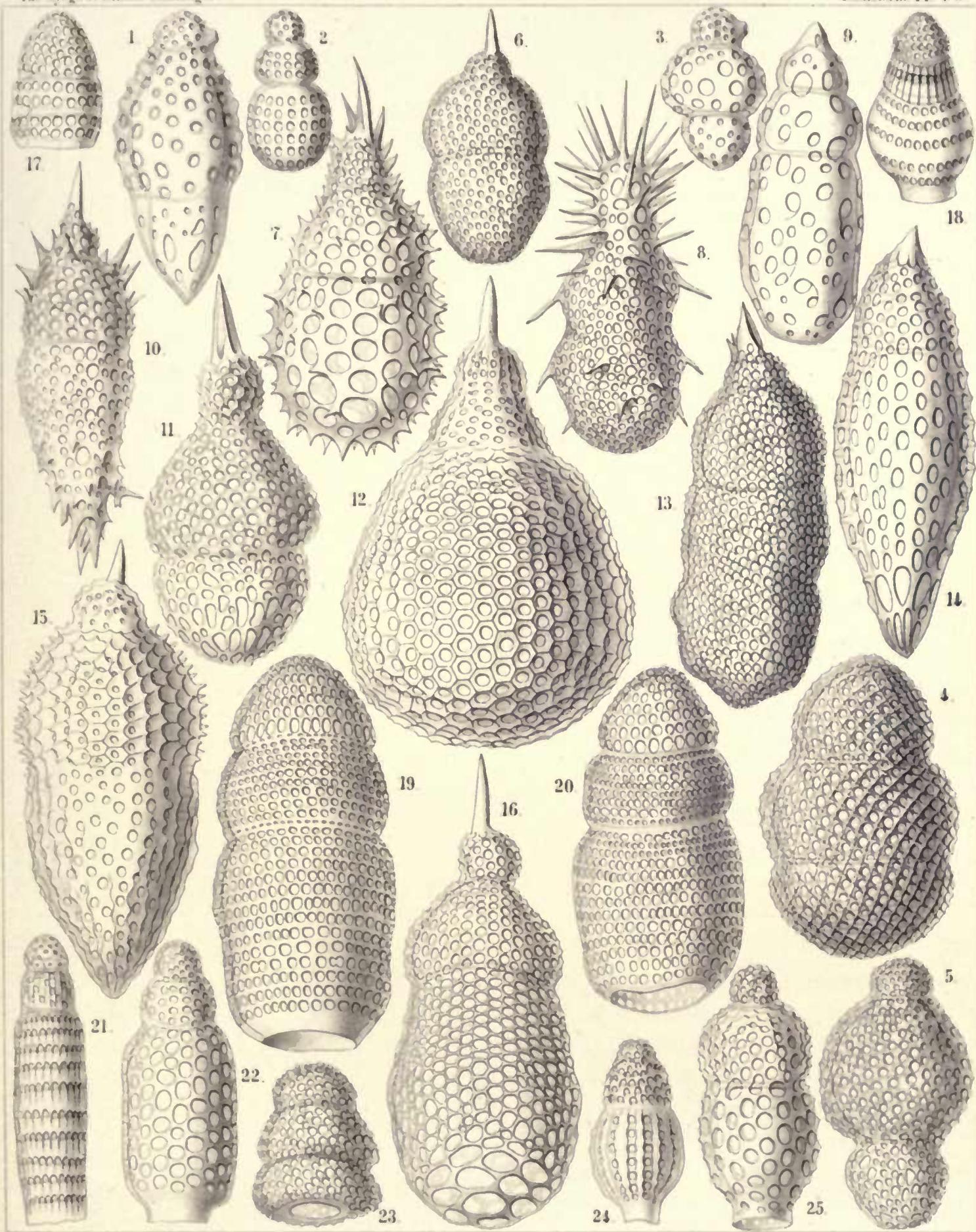
Order CYRTOIDEA.

Family THEOCYRTIDA.

PLATE 66.

THEOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Tricolocapsa theophrasti</i> , n. sp.,	.	× 400	1432
Fig. 2. <i>Tricolocapsa schleidenii</i> , n. sp.,	.	× 300	1433
Fig. 3. <i>Tricolocapsa discoridis</i> , n. sp.,	.	× 300	1432
Fig. 4. <i>Tricolocapsa decandollei</i> , n. sp.,	.	× 300	1433
Fig. 5. <i>Tricolocapsa linnæi</i> , n. sp.,	.	× 400	1432
Fig. 6. <i>Theocapsa aristotelis</i> , n. sp.,	.	× 300	1427
Fig. 7. <i>Theocapsa müllerii</i> , n. sp.,	.	× 400	1431
Fig. 8. <i>Theocapsa democriti</i> , n. sp.,	.	× 400	1427
Fig. 9. <i>Theocapsa forskalii</i> , n. sp.,	.	× 400	1429
Fig. 10. <i>Theocapsa cuvieri</i> , n. sp.,	.	× 400	1430
Fig. 11. <i>Theocapsa wottonis</i> , n. sp.,	.	× 400	1428
Fig. 12. <i>Theocapsa darwinii</i> , n. sp.,	.	× 300	1431
Fig. 13. <i>Theocapsa linnæi</i> , n. sp.,	.	× 400	1429
Fig. 14. <i>Theocapsa wolffii</i> , n. sp.,	.	× 400	1429
Fig. 15. <i>Theocapsa malpighii</i> , n. sp.,	.	× 400	1428
Fig. 16. <i>Theocapsa lamarchii</i> , n. sp.,	.	× 400	1430
Fig. 17. <i>Tricolocampe amphizona</i> , n. sp.,	.	× 400	1413
Fig. 18. <i>Theocampe collaris</i> , n. sp.,	.	× 300	1425
Fig. 19. <i>Tricolocampe polyzona</i> , n. sp.,	.	× 400	1412
Fig. 20. <i>Tricolocampe stenozona</i> , n. sp.,	.	× 400	1413
Fig. 21. <i>Tricolocampe cylindrica</i> , n. sp.,	.	× 300	1412
Fig. 22. <i>Tricolocampe urnula</i> , n. sp.,	.	× 400	1422
Fig. 23. <i>Theocampe stenostoma</i> , n. sp.,	.	× 300	1423
Fig. 24. <i>Theocampe costata</i> , n. sp.,	.	× 300	1424
Fig. 25. <i>Theocampe sphærothorax</i> , n. sp.,	.	× 300	1424



1-5 TRICOLOCAPS, 6-16. TRICOLOPERA, 17-25. TRICOLOCAMPE.

PLATE 67.

Legion NASSELLARIA.

Order CYRTOIDEA.

Family PODOCYRTIDA.

PLATE 67.

PODOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Lithornithium falco</i> , n. sp., .	.	×	400 1355
Fig. 2. <i>Lithornithium fringilla</i> , n. sp., .	.	×	400 1355
Fig. 3. <i>Lithornithium ciconia</i> , n. sp., .	.	×	400 1354
Fig. 4. <i>Lithornithium trochilus</i> , n. sp., .	.	×	400 1355
Fig. 5. <i>Theopera fusiformis</i> , n. sp., .	.	×	400 1357
Fig. 6. <i>Theopera chytropus</i> , n. sp., .	.	×	400 1358
Fig. 7. <i>Theopera prismatica</i> , n. sp., .	.	×	300 1357
Fig. 8. <i>Theopera cortina</i> , n. sp., .	.	×	400 1358
Fig. 9. <i>Rhopalocanium delphicum</i> , n. sp., .	.	×	400 1360
Fig. 10. <i>Rhopalocanium lasanum</i> , n. sp., .	.	×	300 1359
Fig. 11. <i>Lithochytris lanterna</i> , n. sp., .	.	×	300 1364
Fig. 12. <i>Lithochytris cortina</i> , n. sp., .	.	×	300 1362
Fig. 13. <i>Lithochytris pyriformis</i> , n. sp., .	.	×	400 1362
Fig. 14. <i>Lithochytris lucerna</i> , n. sp., .	.	×	300 1364
Fig. 15. <i>Lithochytris pteropus</i> , n. sp., .	.	×	300 1364
Fig. 16. <i>Lithochytris galeata</i> , n. sp., .	.	×	400 1363

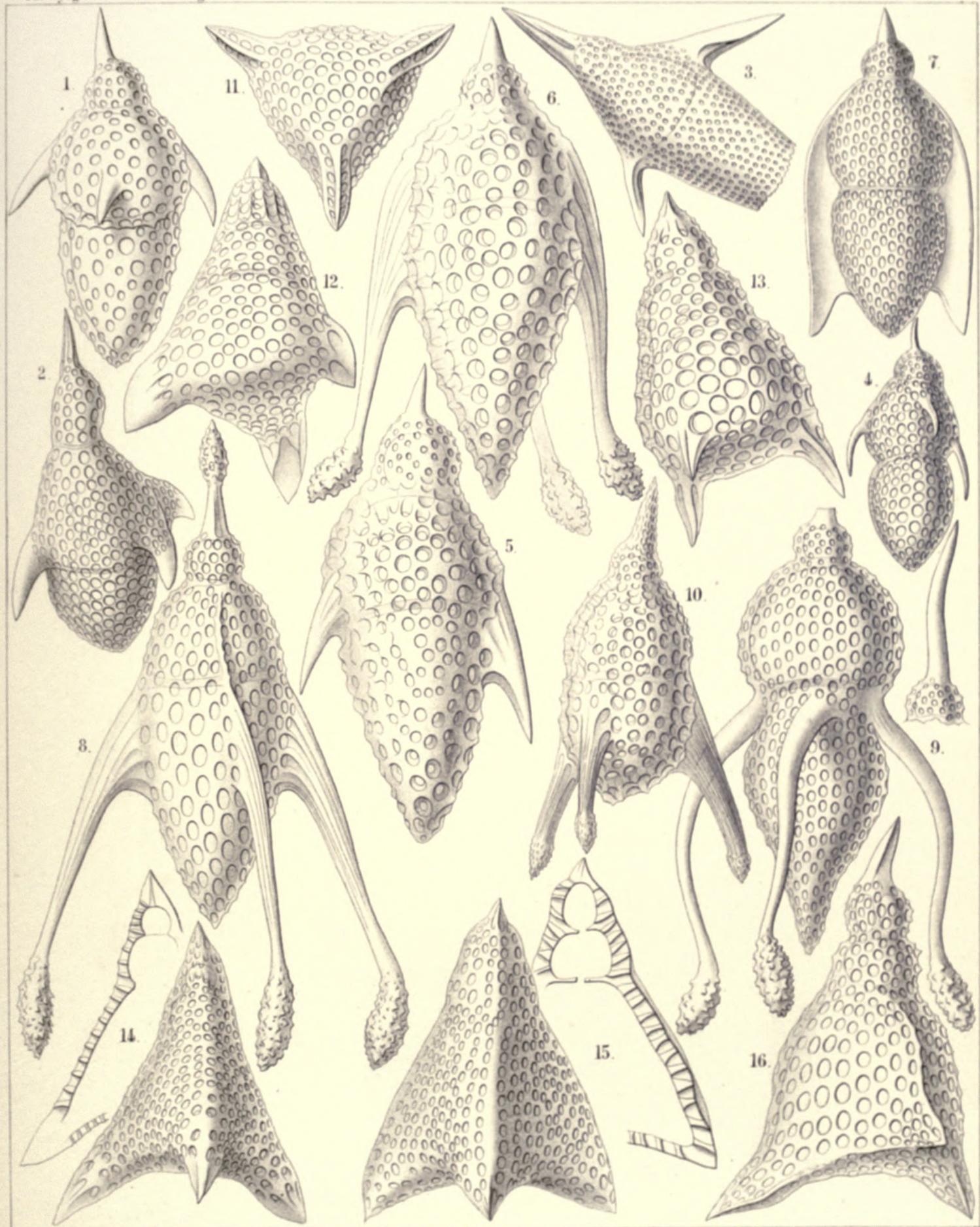


PLATE 68.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families PODOCYRTIDA, PHORMOCYRTIDA et THEOCYRTIDA.

PLATE 68.

PODOCYRTIDA, PHORMOCYRTIDA et THEOCYRTIDA.

	Diam.	Page
Fig. 1. <i>Axocorys macroceros</i> , n. sp.,	× 300	1420
Fig. 1a. The internal axial rod of the shell, which bears on its basal part three verticils of three diverging forked spines,	× 300	
Fig. 2. <i>Cycladophora fenestrata</i> , n. sp.,	× 300	1380
Fig. 3. <i>Cycladophora pantheon</i> , n. sp.,	× 400	1379
Fig. 4. <i>Theosyringium tibia</i> , n. sp.,	× 300	1409
Fig. 5. <i>Theosyringium pipetta</i> , n. sp.,	× 200	1409
Fig. 6. <i>Pterocorys tubulosa</i> , n. sp.,	× 400	1319
Fig. 7. <i>Pterocanium pyramis</i> , n. sp.,	× 400	1330
Fig. 8. <i>Thyrsocyrtis rhizopodium</i> , n. sp.,	× 300	1351
Fig. 9. <i>Thyrsocyrtis arborescens</i> , n. sp.,	× 400	1350
Fig. 10. <i>Rhopalatractus foveolatus</i> , n. sp.,	× 400	1361
Fig. 11. <i>Rhopalatractus pentacanthus</i> , n. sp.,	× 300	1361
Fig. 12. <i>Rhopalatractus fenestratus</i> , n. sp. (vel <i>Dictyatractus fene-</i> <i>stratus</i>),	× 300	1361
Fig. 13. <i>Hexalatractus fusiformis</i> , n. sp.,	× 300	1394
Fig. 14. <i>Sethornithium dictyopterum</i> , n. sp.,	× 300	1356
The trilobate central capsule, which contains in its uppermost part the trilobate nucleus, and in the basal part of each lobe an oil-globule.		
Fig. 15. <i>Lophocyrtis synapta</i> , n. sp.,	× 300	1411
The quadrilobate central capsule, which contains in its uppermost part the quadrilobate nucleus, and in the basal part of each lobe an oil-globule.		

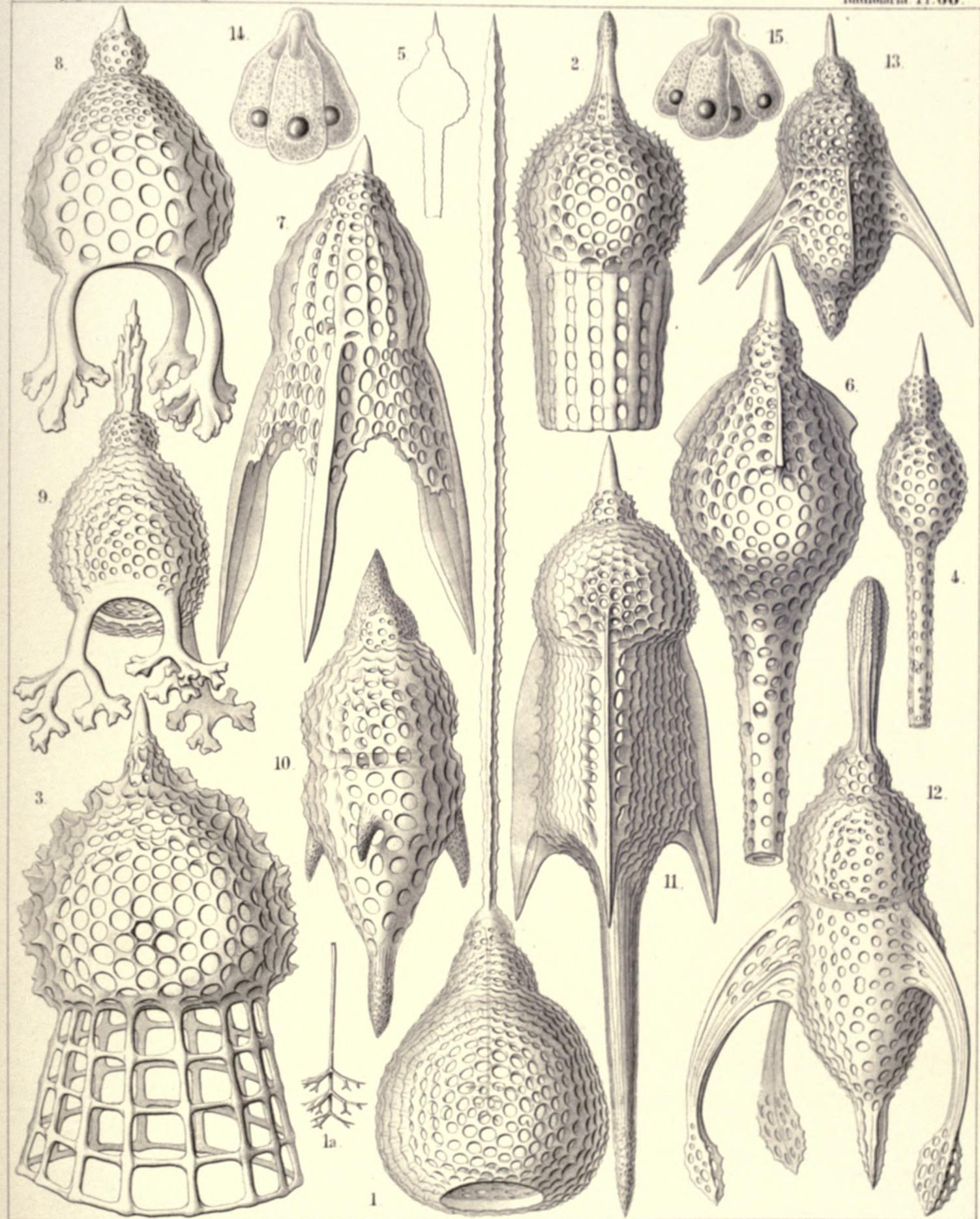


PLATE 69.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families PHORMOCYRTIDA et THEOCYRTIDA.

PLATE 69.

PHORMOCYRTIDA et THEOCYRTIDA.

		Diam.	Page
Fig. 1.	<i>Theocorys plutonis</i> , n. sp.,	× 400	1416
Fig. 2.	<i>Lophoconus rhinoceros</i> , n. sp.,	× 400	1405
Fig. 3.	<i>Theocorys apollinis</i> , n. sp.,	× 300	1418
Fig. 4.	<i>Theoconus jovis</i> , n. sp.,	× 400	1401
Fig. 5.	<i>Theocorys veneris</i> , n. sp.,	× 300	1415
Fig. 6.	<i>Phormocyrtis costata</i> , n. sp.,	× 300	1369
Fig. 7.	<i>Theoconus junonis</i> , n. sp.,	× 300	1401
Fig. 8.	<i>Theocyrtis ptychodes</i> , n. sp.,	× 400	1408
Fig. 9.	<i>Lophocorys astrocephala</i> , n. sp.,	× 300	1421
Fig. 10.	<i>Theocorys obliqua</i> , n. sp.,	× 400	1417
Fig. 11.	<i>Theocorys diana</i> , n. sp.,	× 400	1416
Fig. 12.	<i>Lophocorys bovicornis</i> , n. sp.,	× 300	1422
Fig. 13.	<i>Theocyrtis macroceros</i> , n. sp.,	× 400	1407
Fig. 14.	<i>Theocorys minervae</i> , n. sp.,	× 300	1419
Fig. 15.	<i>Phormocyrtis longicornis</i> , n. sp.,	× 400	1370
Fig. 16.	<i>Theocorys ovata</i> , n. sp.,	× 300	1416

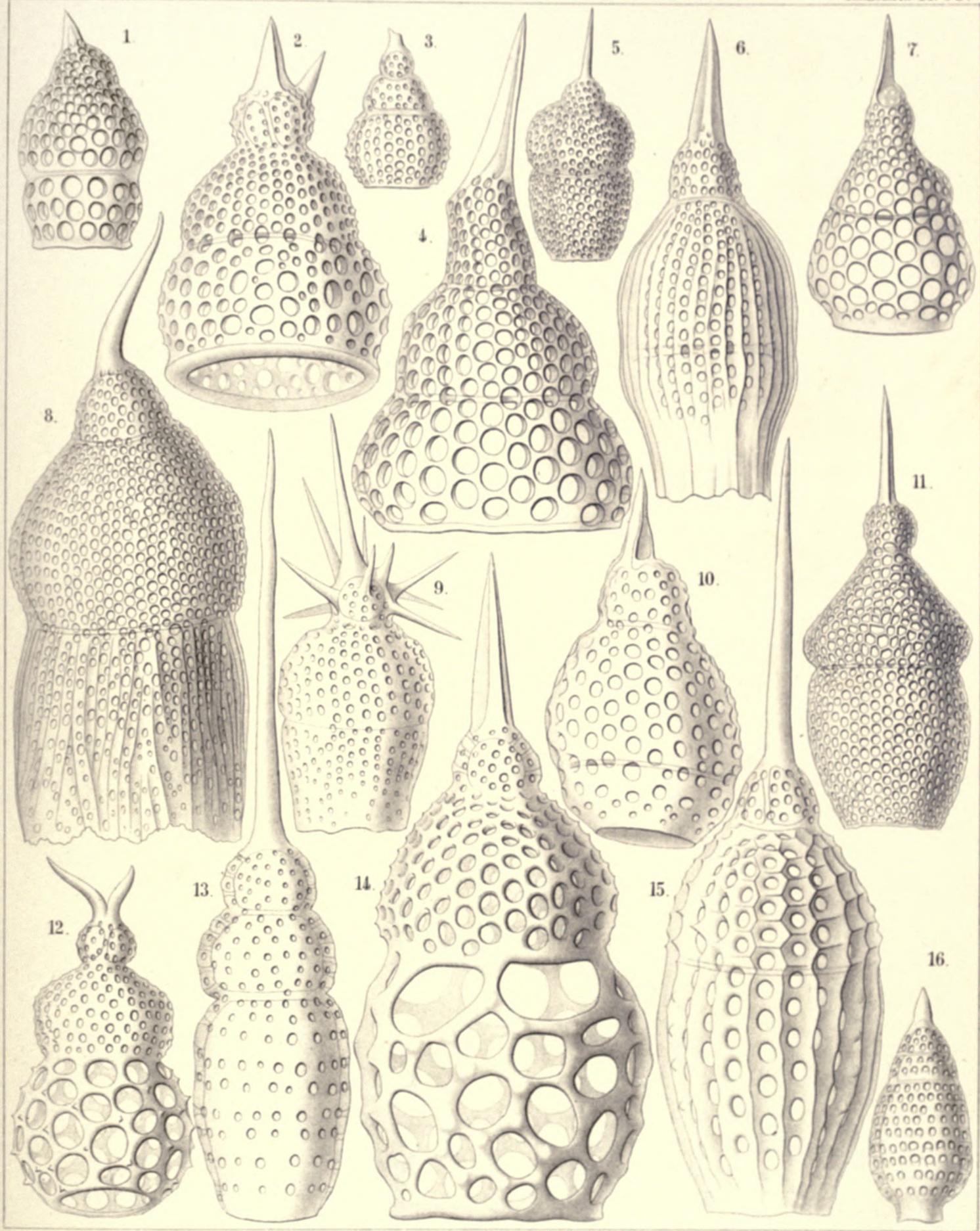


PLATE 70.

Legion NASSELLARIA.

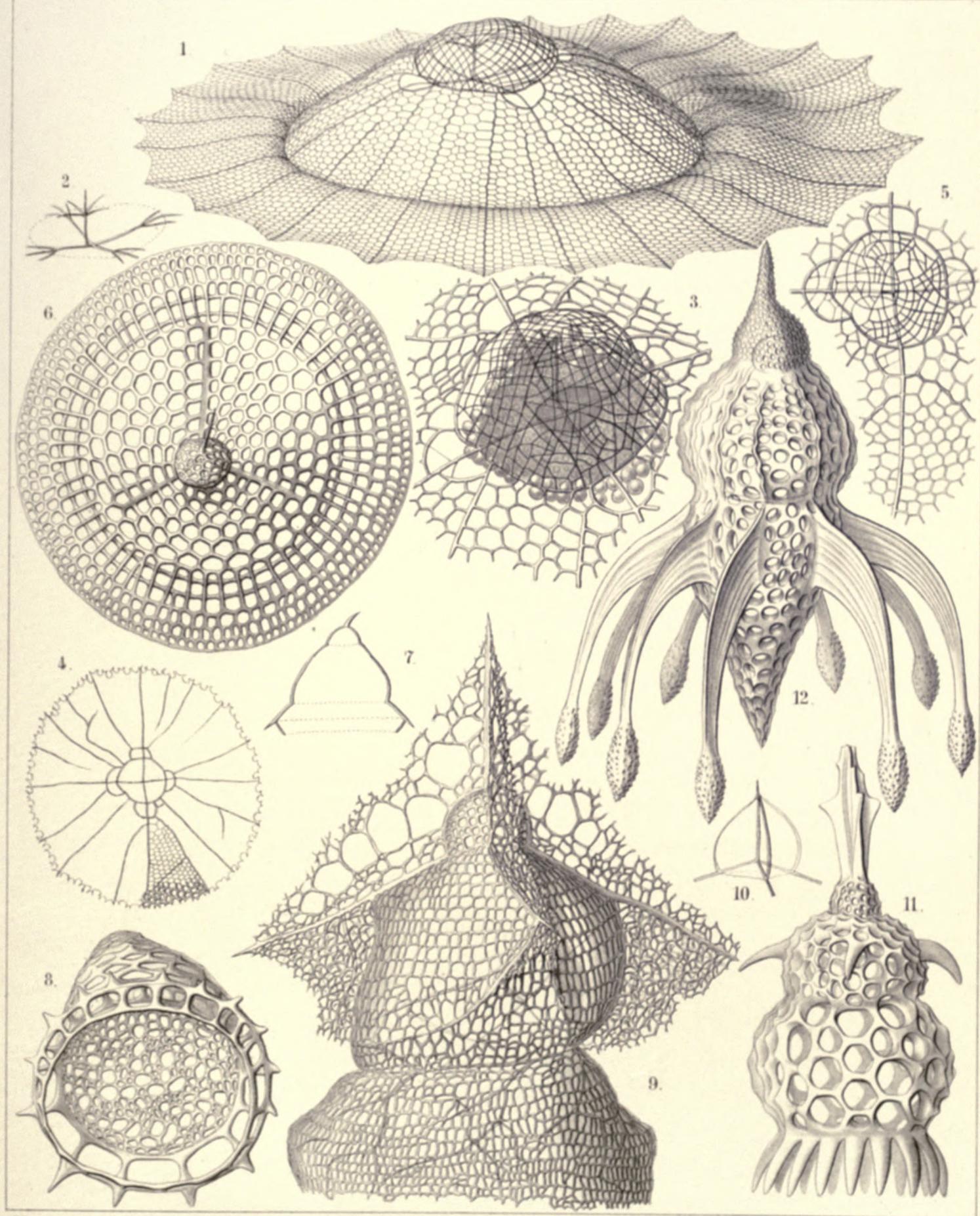
Order CYRTOIDEA.

**Families ANTHOCYRTIDA, PODOCYRTIDA, PHORMOCYRTIDA
et THEOCYRTIDA.**

PLATE 70.

ANTHOCYRTIDA, PODOCYRTIDA, PHORMOCYRTIDA et THEOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Theophormis callipilum</i> , n. sp.,		× 300	1367
Fig. 2. <i>Theophormis callipilum</i> , n. sp.,		× 300	1367
	The four cruciate rods of the cortinar septum and the vertical columella in its centre.		
Fig. 3. <i>Theophormis callipilum</i> , n. sp.,		× 400	1367
	The cephalis alone with the enclosed quadrilobate central capsule, which is surrounded by numerous xanthellæ.		
Fig. 4. <i>Sethophormis umbrella</i> , n. sp.,		× 150	1248
Fig. 5. <i>Sethophormis umbrella</i> , n. sp.,		× 400	1248
	Cephalis with the cruciform cortinar septum.		
Fig. 6. <i>Theopilum tricostatum</i> , n. sp.,		× 400	1322
	Seen from above.		
Fig. 7. <i>Phrenocodon clathrostomium</i> , n. sp.,		× 250	1434
	Vertical section through the shell.		
Fig. 8. <i>Phrenocodon clathrostomium</i> , n. sp.,		× 500	1434
	Shell seen half from below, and exhibiting the fenestrated septum between thorax and abdomen.		
Fig. 9. <i>Pteropilum stratiotes</i> , n. sp.,		× 400	1326
Fig. 10. <i>Pteropilum stratiotes</i> , n. sp.,		× 400	1326
	The three rods of the cortinar septum and the three arches connecting them with the central axial columella.		
Fig. 11. <i>Pterocodon ornatus</i> , n. sp.,		× 300	1333
Fig. 12. <i>Theophæna corona</i> , n. sp.,		× 300	1394



1-5. THEOPHORMIS, 6. THEOPILUM, 7. 8. CLATHROSTOMIUM,
9. 10. PTEROPILUM, 11. PTEROCODON, 12. THEOPHATNA.

PLATE 71.

Legion NASSELLARIA.

Order CYRTOIDEA.

Family PODOCYRTIDA.

PLATE 71.

PODOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Pterocorys rhinoceros</i> , n. sp., .	.	× 400	1320
Fig. 2. <i>Pterocorys columba</i> , n. sp., .	.	× 400	1317
Fig. 3. <i>Pterocorys campanula</i> , n. sp., .	.	× 400	1316
Fig. 4. <i>Pterocorys hirundo</i> , n. sp., .	.	× 300	1318
Fig. 5. <i>Pterocorys aquila</i> , n. sp., .	.	× 300	1317
Fig. 6. <i>Dictyoceras insectum</i> , n. sp., .	.	× 400	1324
Fig. 7. <i>Dictyoceras insectum</i> , n. sp., .	Seen from the apex.	× 400	1324
Fig. 8. <i>Dictyoceras formica</i> , n. sp., .	.	× 400	1325
Fig. 9. <i>Dictyoceras melitta</i> , n. sp., .	Seen from the apex.	× 400	1325
Fig. 10. <i>Dictyoceras bombus</i> , n. sp., .	.	× 400	1325
Fig. 11. <i>Dictyocodon annasethe</i> , n. sp., .	.	× 400	1334
Fig. 12. <i>Dictyocodon palladius</i> , n. sp., .	.	× 300	1335
Fig. 13. <i>Dictyocodon palladius</i> , n. sp., .	Apical part of the shell alone.	× 600	1335
Fig. 14. <i>Dictyocodon carolotae</i> , n. sp., .	.	× 300	1335

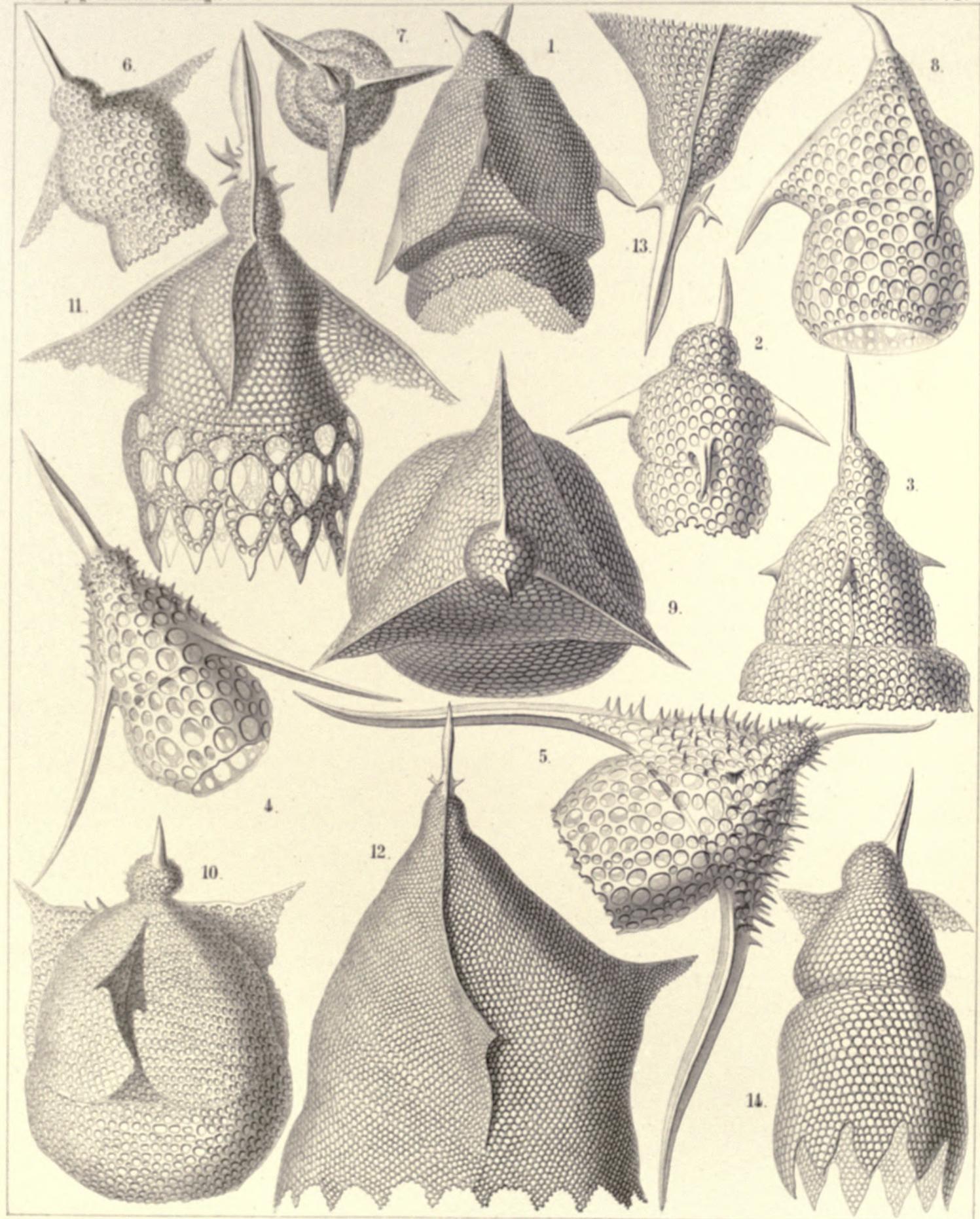


PLATE 72.

Legion NASSELLARIA.

Order CYRTOIDEA.

Family PODOCYRTIDA.

PLATE 72.

PODOCYRTIDA.

	Diam.	Page
Fig. 1. <i>Podocyrtis prismatica</i> , n. sp.,	x 300	1340
Fig. 2. <i>Podocyrtis corythaæola</i> , n. sp.,	x 300	1339
Fig. 3. <i>Podocyrtis lithoconus</i> , n. sp.,	x 300	1348
Fig. 4. <i>Podocyrtis tripodiscus</i> , n. sp.,	x 300	1338
Fig. 5. <i>Podocyrtis magnifica</i> , n. sp.,	x 500	1341
Fig. 6. <i>Podocyrtis divergens</i> , n. sp.,	x 400	1340
Fig. 7. <i>Podocyrtis cristata</i> , n. sp.,	x 400	1342
Fig. 8. <i>Podocyrtis pedicellaria</i> , n. sp.,	x 300	1347
Fig. 9. <i>Podocyrtis flosculata</i> , n. sp.,	x 500	1341
Fig. 10. <i>Podocyrtis surena</i> , n. sp.,	x 400	1339

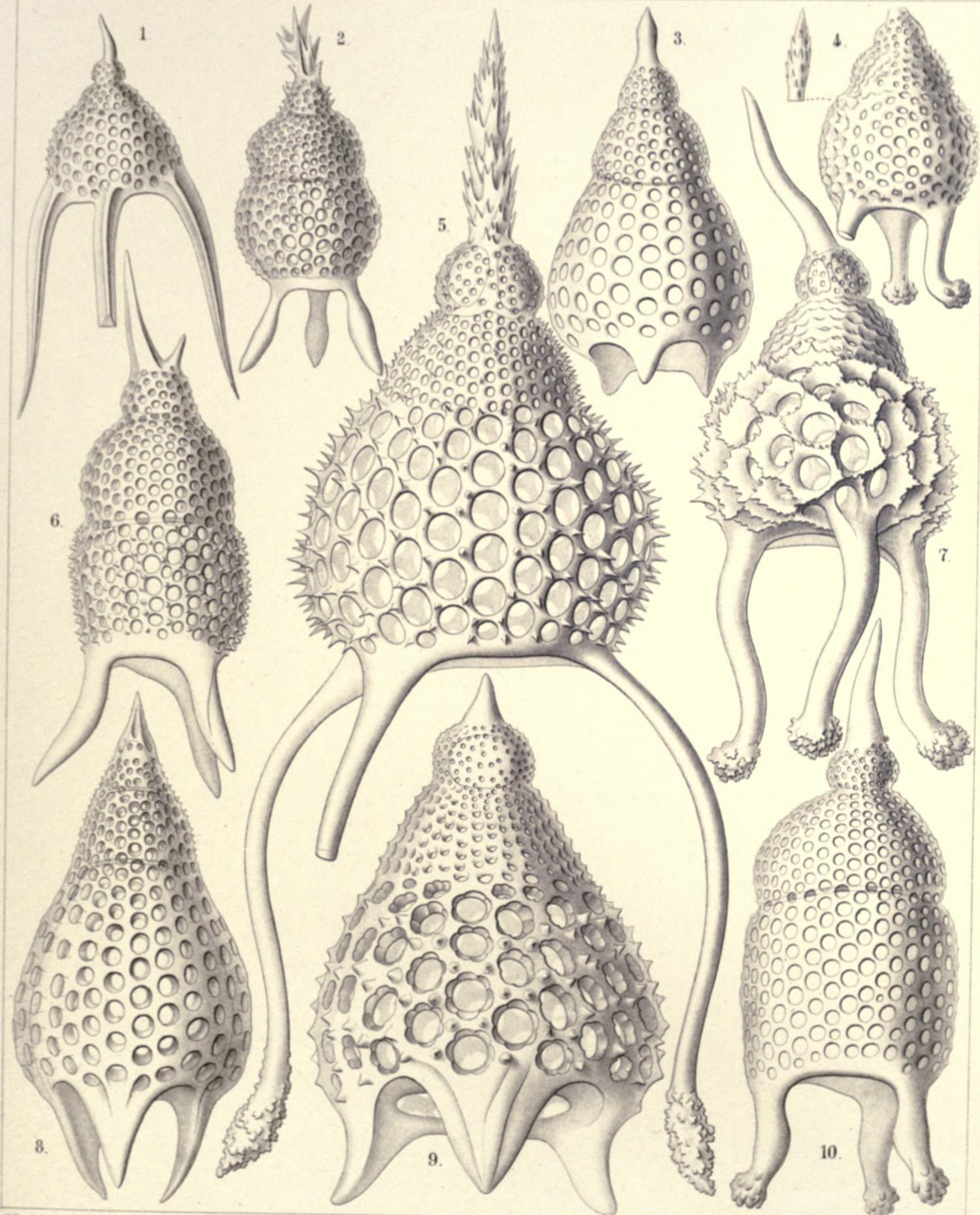


PLATE 73

Legion NASSELLARIA.

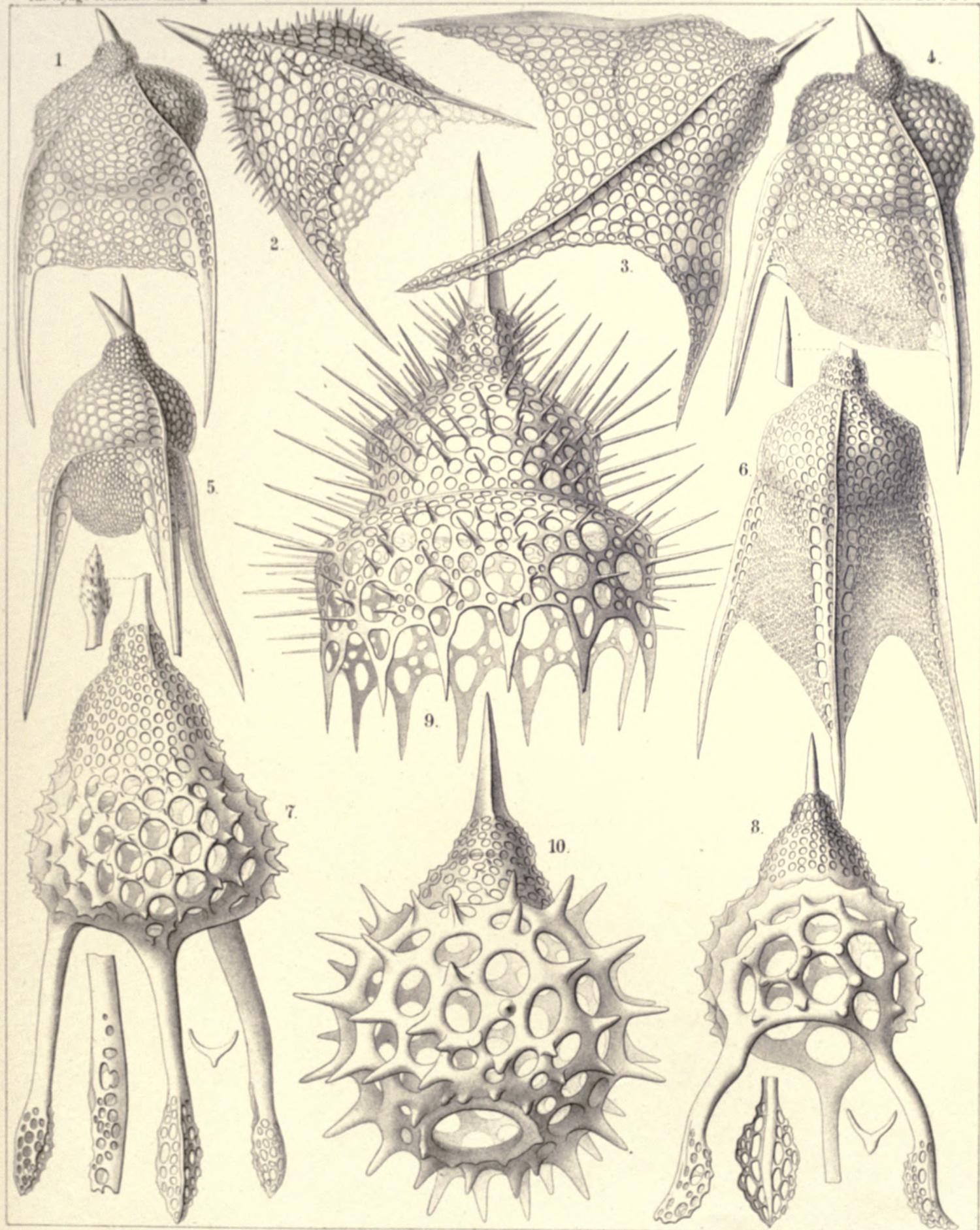
Order CYRTOIDEA.

Families PODOCYRTIDA et PHORMOCYRTIDA.

PLATE 73.

PODOCYRTIDA et PHORMOCYRTIDA.

		Diam.	Page
Fig. 1. <i>Pterocanium tricolpum</i> , n. sp.,		× 400	1331
Fig. 2. <i>Pterocanium orcinum</i> , n. sp.,		× 400	1329
Fig. 3. <i>Pterocanium gravidum</i> , n. sp.,		× 400	1329
Fig. 4. <i>Pterocanium eucolpum</i> , n. sp.,		× 400	1332
Fig. 5. <i>Pterocanium bicorne</i> , n. sp.,		× 400	1332
Fig. 6. <i>Pterocanium virgineum</i> , n. sp.,		× 400	1330
Fig. 7. <i>Dictyopodium thyrsolophus</i> , n. sp.,		× 300	1354
Fig. 8. <i>Dictyopodium scaphopodium</i> , n. sp.,		× 300	1353
Fig. 9. <i>Calocyclas monumentum</i> , n. sp.,		× 400	1385
Fig. 10. <i>Calocyclas casta</i> , n. sp.,		× 400	1384



AT ST. L'Y.

ENTOMOLOGY

3681	001	
3681	002	X
3681	003	X
3681	004	X
3681	005	X
3681	006	X
3681	007	X
3681	008	X
3681	009	X
PLATE 74.		
Legion NASSELLARIA.		
Order CYRTOIDEA.		
Family PHORMOCYRTIDA.		
3681	001	X
3681	002	X
3681	003	X
3681	004	X
3681	005	X
3681	006	X
3681	007	X
3681	008	X
3681	009	X

PLATE 74.

PHORMOCYRTIDA.

		Diam.	Page
Fig. 1.	<i>Calocyclas parthenia</i> , n. sp.,	× 400	1385
Fig. 2.	<i>Calocyclas amicæ</i> , n. sp.,	× 400	1382
Fig. 3.	<i>Calocyclas vestalis</i> , n. sp.,	× 400	1382
Fig. 4.	<i>Calocyclas virginis</i> , n. sp.,	× 300	1381
Fig. 5.	<i>Calocyclas veneris</i> , n. sp.,	× 300	1381
Fig. 6.	<i>Clathrocyclas basilea</i> , n. sp. (vel <i>Calocyclas basilea</i>),	× 400	1386
Fig. 7.	<i>Clathrocyclas principessa</i> , n. sp. (vel <i>Calocyclas principessa</i>),	× 400	1386
Fig. 8.	<i>Clathrocyclas collaris</i> , n. sp. (vel <i>Calocyclas collaris</i>),	× 400	1387
Fig. 9.	<i>Alacorys carcinus</i> , n. sp. (vel <i>Calocyclas carcinus</i>),	× 300	1375
Fig. 10.	<i>Lamprocyclas deflorata</i> , n. sp.,	× 200	1391
Fig. 11.	<i>Lamprocyclas reginæ</i> , n. sp.,	× 400	1391
Fig. 12.	<i>Lamprocyclas reginæ</i> , n. sp., Two meshes of the network.	× 800	1391
Fig. 13.	<i>Lamprocyclas maritalis</i> , n. sp.,	× 400	1390
Fig. 14.	<i>Lamprocyclas maritalis</i> , n. sp., Vertical section.	× 400	1390
Fig. 15.	<i>Lamprocyclas nuptialis</i> , n. sp.,	× 400	1390
Fig. 16.	<i>Lamprocyclas saltatrixis</i> , n. sp.,	× 400	1391

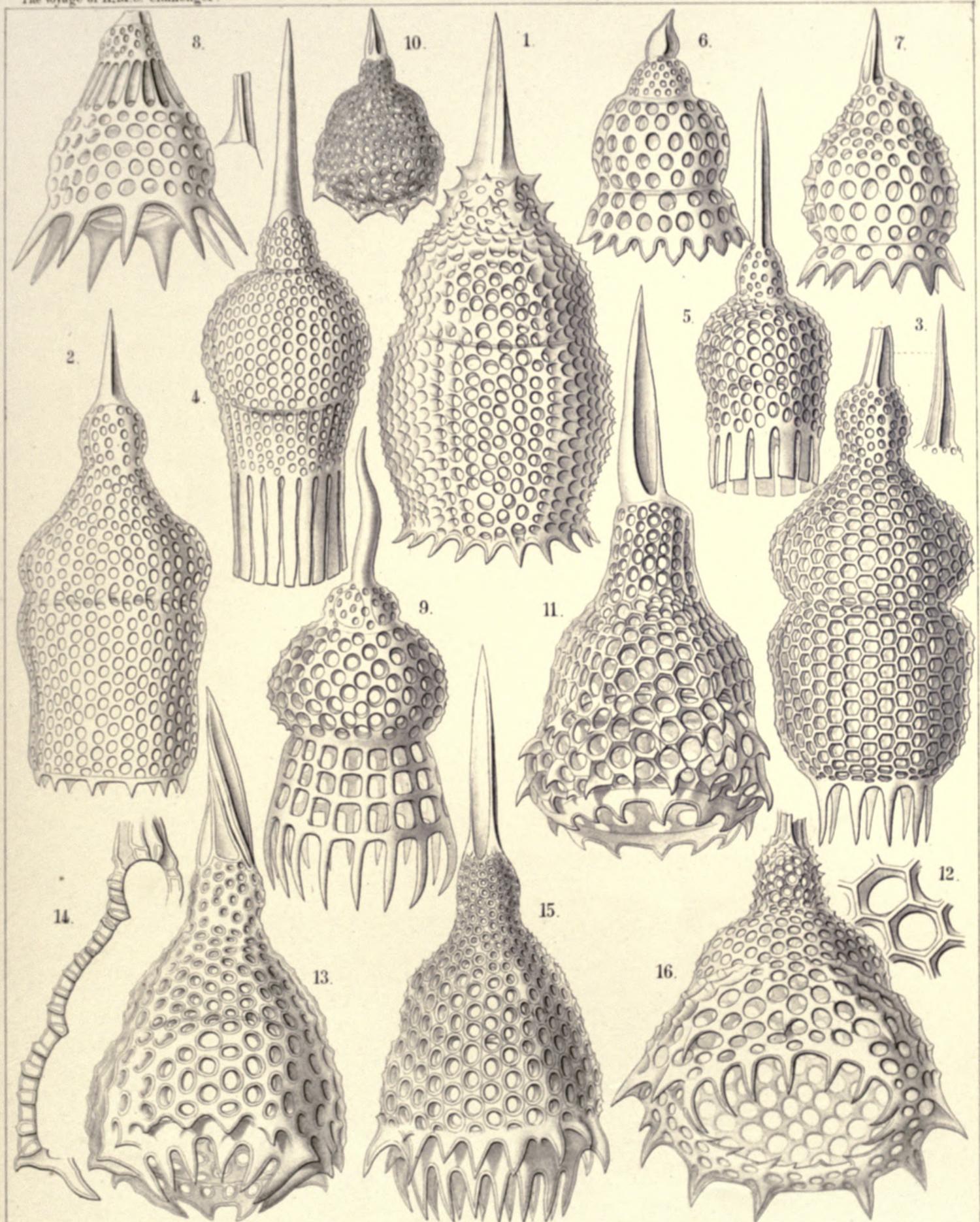


PLATE 75.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families PODOCAMPIDA et PHORMOCAMPIDA.

PLATE 75.

PODOCAMPIDA et PHORMOCAMPIDA.

		Diam.	Page
Fig. 1. <i>Artopilium elegans</i> , n. sp. (vel <i>Trictenartus elegans</i>),	.	× 200	1440
Fig. 2. <i>Artophormis horrida</i> , n. sp.,	.	× 300	1458
Fig. 3. <i>Cyrtopera thoracoptera</i> , n. sp. (vel <i>Artopera thoracoptera</i>),	.	× 300	1450
Fig. 4. <i>Stichophæna aerostatica</i> , n. sp. (vel <i>Artophæna aerostatica</i>),	.	× 400	1463
Fig. 5. <i>Cyrtophormis turricula</i> , n. sp.,	.	× 300	1463
Fig. 6. <i>Stichopodium dictyopodium</i> , n. sp.,	.	× 400	1447
Fig. 7. <i>Artopilium trifenestra</i> , n. sp. (vel <i>Clathropyrgus trifenestra</i>),	.	× 500	1441
Fig. 8. <i>Artopilium stichopterygium</i> , n. sp.,	.	× 400	1442
Fig. 9. <i>Stichophormis cornutella</i> , n. sp.,	.	× 400	1455
Fig. 10. <i>Cyrtopera laguncula</i> , n. sp. (vel <i>Cyrtolagena laguncula</i>),	.	× 400	1451
Fig. 11. <i>Stichopera pectinata</i> , n. sp.,	.	× 500	1449
Fig. 12. <i>Stichophæna ritteriana</i> , n. sp.,	.	× 400	1465

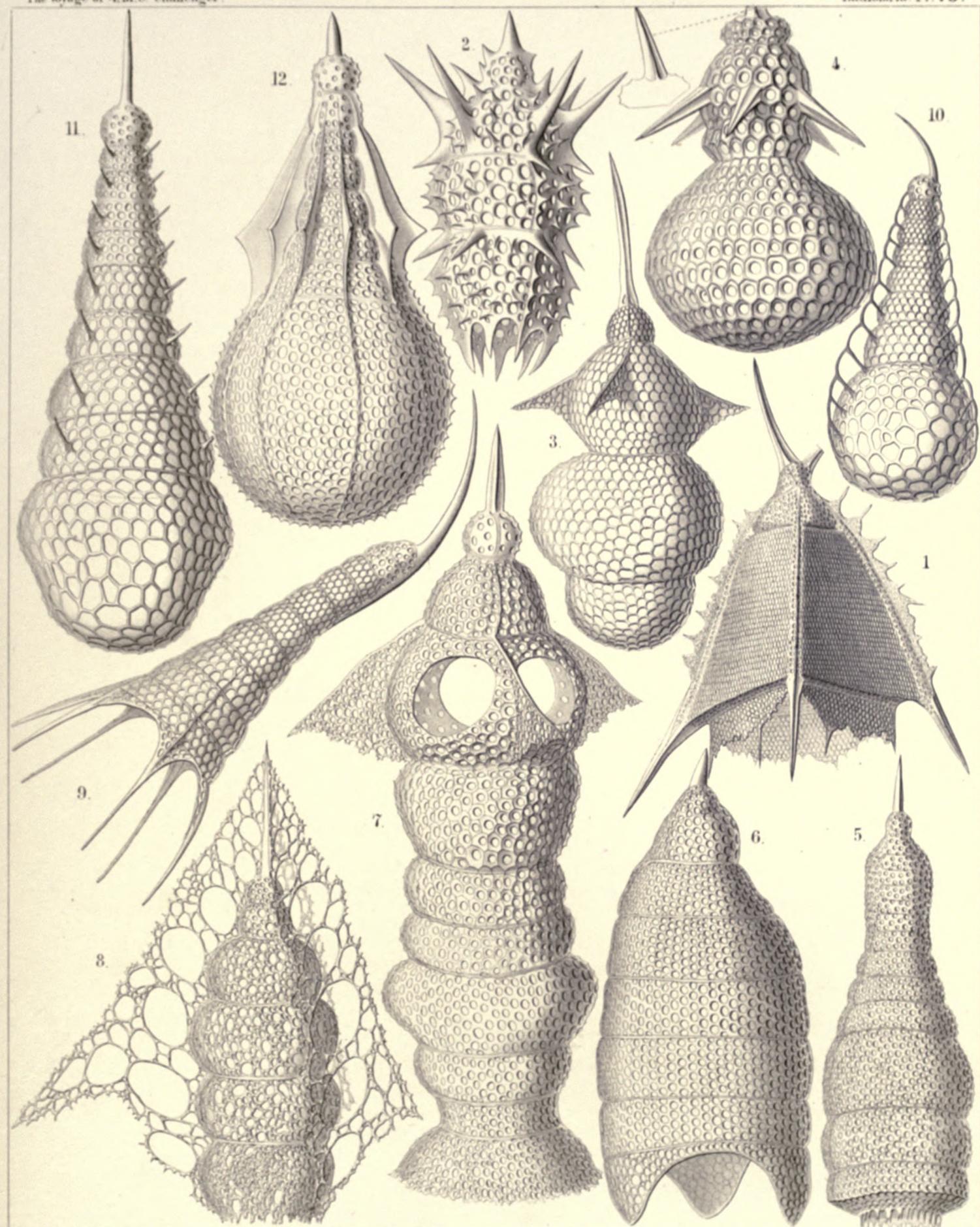


PLATE 76.

Legion NASSELLARIA.

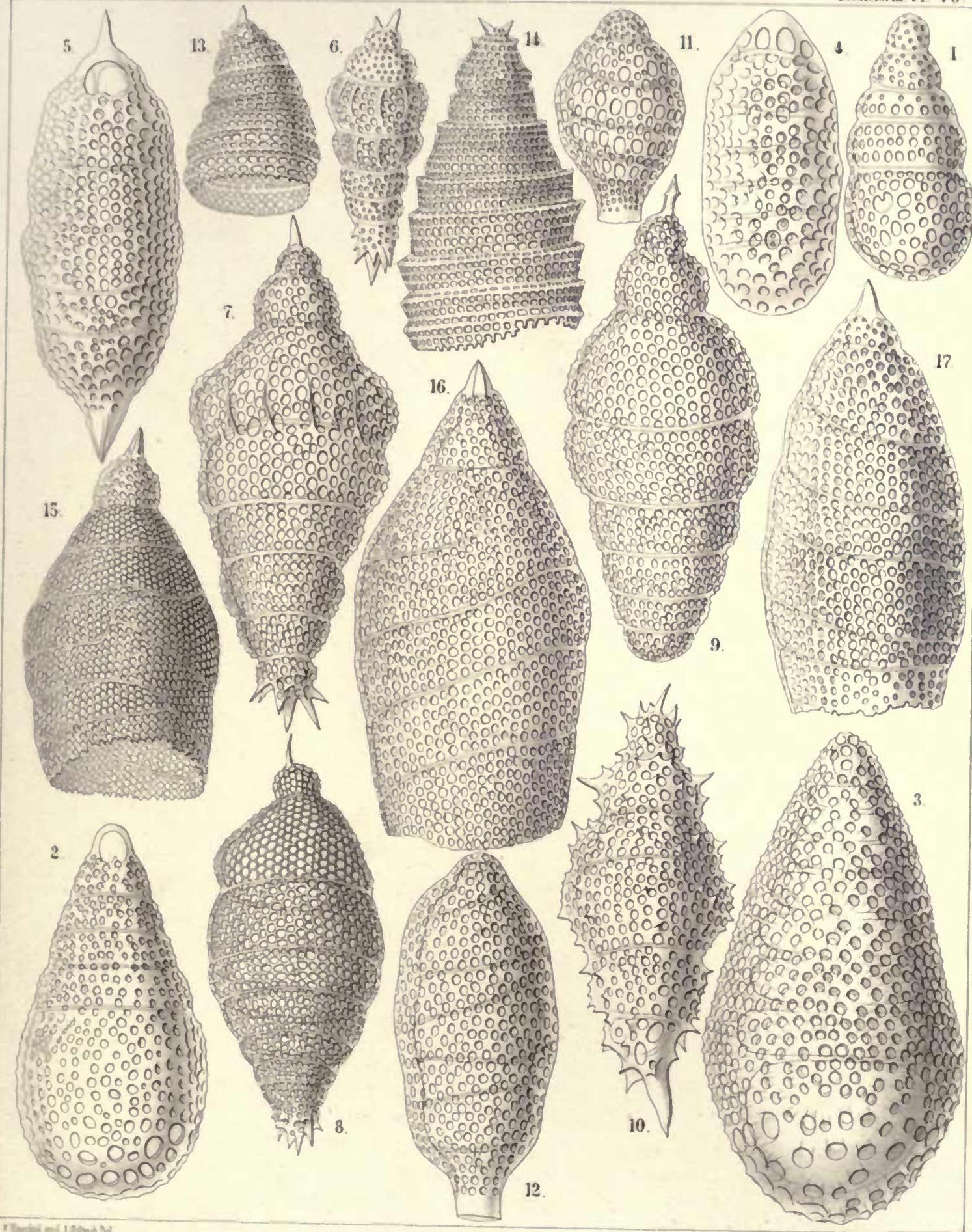
Order CYRTOIDEA.

Families PHORMOCAMPIDA et LITHOCAMPIDA.

PLATE 76.

PHORMOCAMPIDA et LITHOCAMPIDA.

		Diam.	Page
Fig. 1. <i>Stichocapsa pentacola</i> , n. sp.,	.	× 400	1517
Fig. 2. <i>Stichocapsa hexacola</i> , n. sp.,	.	× 400	1517
Fig. 3. <i>Stichocapsa compacta</i> , n. sp.,	.	× 400	1517
Fig. 4. <i>Stichocapsa paniscus</i> , n. sp.,	.	× 400	1518
Fig. 5. <i>Artocapsa fusiformis</i> , n. sp.,	.	× 400	1519
Fig. 6. <i>Stichophæna nonaria</i> , n. sp.,	.	× 200	1466
Fig. 7. <i>Stichophæna novena</i> , n. sp.,	.	× 400	1466
Fig. 8. <i>Artocapsa elegans</i> , n. sp.,	.	× 400	1520
Fig. 9. <i>Cyrtocapsa chrysalidium</i> , n. sp.,	.	× 400	1515
Fig. 10. <i>Artocapsa spinosa</i> , n. sp.,	.	× 400	1519
Fig. 11. <i>Spirocampa callispira</i> , n. sp.,	.	× 300	1511
Fig. 12. <i>Spirocampa allospira</i> , n. sp.,	.	× 400	1511
Fig. 13. <i>Spirocyrtis cornutella</i> , n. sp.,	.	× 400	1509
Fig. 14. <i>Spirocyrtis scalaris</i> , n. sp.,	.	× 400	1509
Fig. 15. <i>Spirocyrtis merospira</i> , n. sp.,	.	× 500	1510
Fig. 16. <i>Spirocyrtis holospira</i> , n. sp.,	.	× 400	1509
Fig. 17. <i>Spirocyrtis diplospira</i> , n. sp.,	.	× 400	1510



1-4. STICHOCAPSA, 5-10. STICHOPERA, 11, 12. SPIROCAMPUS,
13-17. SPIROCYRTIS.

K. G. Lübeck, Jena, Lithogr.

PLATE 77.

Legion NASELLARIA.

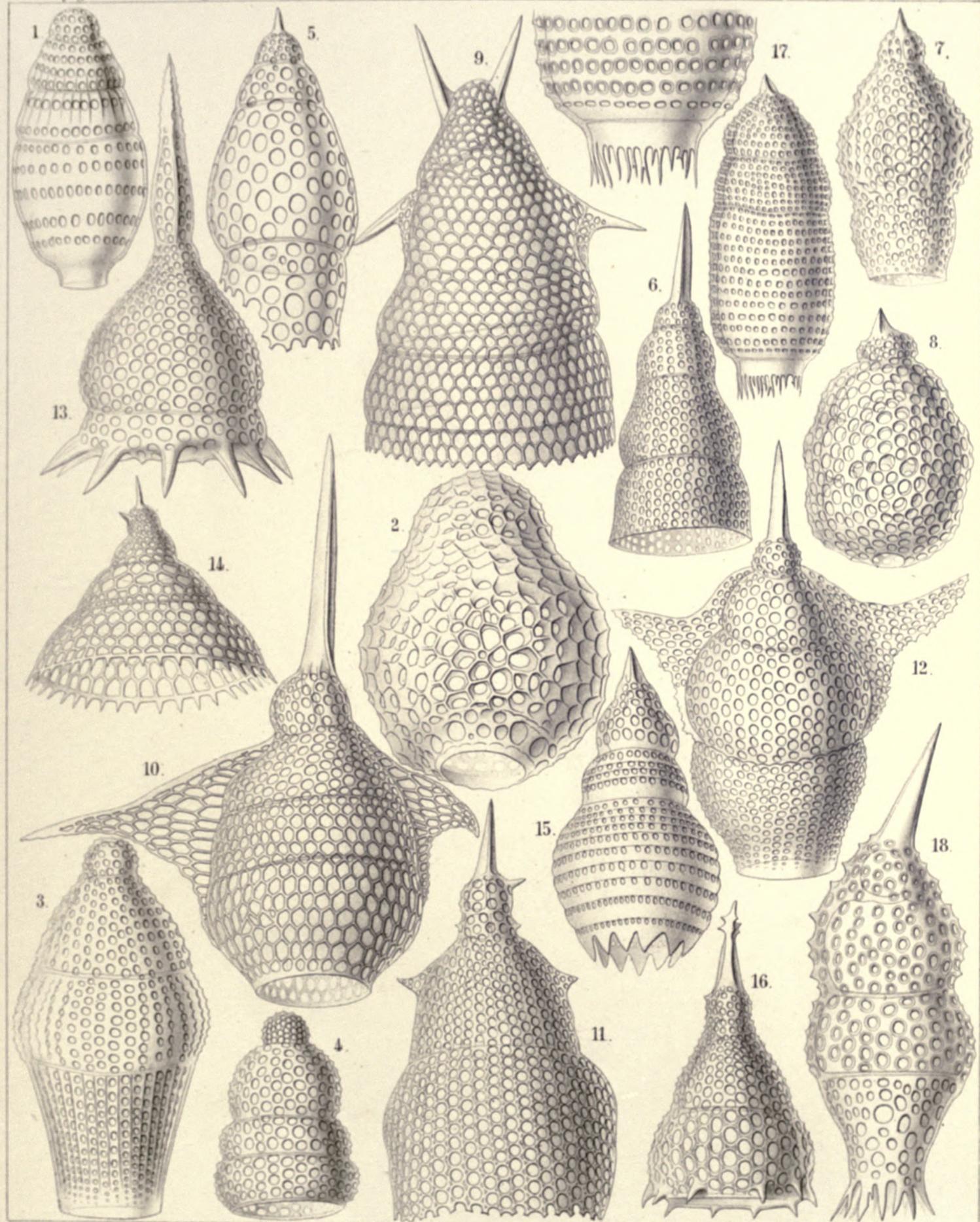
Order CYRTOIDEA.

Families PODOCAMPIDA, PHORMOCAMPIDA et LITHOCAMPIDA.

PLATE 77.

PODOCAMPIDA, PHORMOCAMPIDA et LITHOCAMPIDA.

		Diam.	Page
Fig. 1.	<i>Lithocampe ovata</i> , n. sp.,	× 500	1504
Fig. 2.	<i>Lithocampe urceolata</i> , n. sp.,	× 400	1507
Fig. 3.	<i>Lithocampe diploconus</i> , n. sp.,	× 400	1505
Fig. 4.	<i>Dictyomitra eurythorax</i> , n. sp.,	× 300	1477
Fig. 5.	<i>Eucyrtidium teuscheri</i> , n. sp.,	× 400	1491
Fig. 6.	<i>Lithostrobus cornutus</i> , n. sp.,	× 400	1474
Fig. 7.	<i>Eucyrtidium bütschlii</i> , n. sp.,	× 400	1492
Fig. 8.	<i>Cyrtocapsa compacta</i> , n. sp.,	× 300	1512
Fig. 9.	<i>Stichopilium bicorne</i> , n. sp.,	× 600	1437
Fig. 10.	<i>Artopilium longicorne</i> , n. sp.,	× 500	1440
Fig. 11.	<i>Stichopilium campanulatum</i> , n. sp.,	× 400	1438
Fig. 12.	<i>Artopilium cyrtopteron</i> , n. sp.,	× 400	1440
Fig. 13.	<i>Phormocampe campanula</i> , n. sp.,	× 400	1456
Fig. 14.	<i>Phormocampe eucalyptia</i> , n. sp.,	× 300	1457
Fig. 15.	<i>Cyrtophormis corona</i> , n. sp.,	× 300	1462
Fig. 16.	<i>Phormocampe lamprocyclas</i> , n. sp.,	× 300	1457
Fig. 17.	<i>Cyrtophormis cylindrica</i> , n. sp.,	× 300	1461
Fig. 18.	<i>Cyrtophormis cornuta</i> , n. sp.,	× 500	1462



1-4. LITHOCAMPiUM, 5-8. EUCYRTIDIUM, 9-12. PTEROCORYTHiUM,
13-18. ANTHOCORYS.

PLATE 78.

Legion NASSELLARIA.

Order CYRTOIDEA.

Families PHORMOCAMPIDA et LITHOCAMPIDA.

PLATE 78.

PHORMOCAMPIDA et LITHOCAMPIDA.

		Diam.	Page
Fig. 1.	<i>Stichocapsa tetracola</i> , n. sp.,	× 600	1515
Fig. 2.	<i>Stichocapsa tricincta</i> , n. sp.,	× 400	1516
Fig. 3.	<i>Stichocapsa quadrigata</i> , n. sp.,	× 400	1515
Fig. 4.	<i>Stichocapsa monstrosa</i> , n. sp.,	× 400	1517
Fig. 5.	<i>Cyrtocapsa tetrapera</i> , n. sp.,	× 300	1512
Fig. 6.	<i>Cyrtocapsa diploconus</i> , n. sp.,	× 300	1513
Fig. 7.	<i>Cyrtocapsa fusulus</i> , n. sp.,	× 400	1514
Fig. 8.	<i>Cyrtocapsa pyrum</i> , n. sp.,	× 400	1513
Fig. 9.	<i>Cyrtocapsa cornuta</i> , n. sp.,	× 400	1513
Fig. 10.	<i>Eusyringium conosiphon</i> , n. sp.,	× 400	1496
Fig. 11.	<i>Eusyringium pachysiphon</i> , n. sp.,	× 400	1496
Fig. 12.	<i>Eusyringium macrosiphon</i> , n. sp.,	× 400	1497
Fig. 13.	<i>Eucyrtidium tricinctum</i> , n. sp.,	× 400	1494
Fig. 14.	<i>Eucyrtidium armatum</i> , n. sp.,	× 400	1495
Fig. 15.	<i>Eucyrtidium ehrenbergii</i> , n. sp.,	× 300	1495
Fig. 16.	<i>Eucyrtidium conostoma</i> , n. sp.,	× 400	1495
Fig. 17.	<i>Cyrtophormis armata</i> , n. sp.,	× 400	1460
Fig. 18.	<i>Cyrtophormis cingulata</i> , n. sp.,	× 400	1460



1-4. *TETRACAPSA*, 5-9. *TETRAPERA*, 10-12. *EUSYRINGIUM*.
13.-18. *ACANTHOCYRTE*.

PLATE 79.

Legion NASSELLARIA.

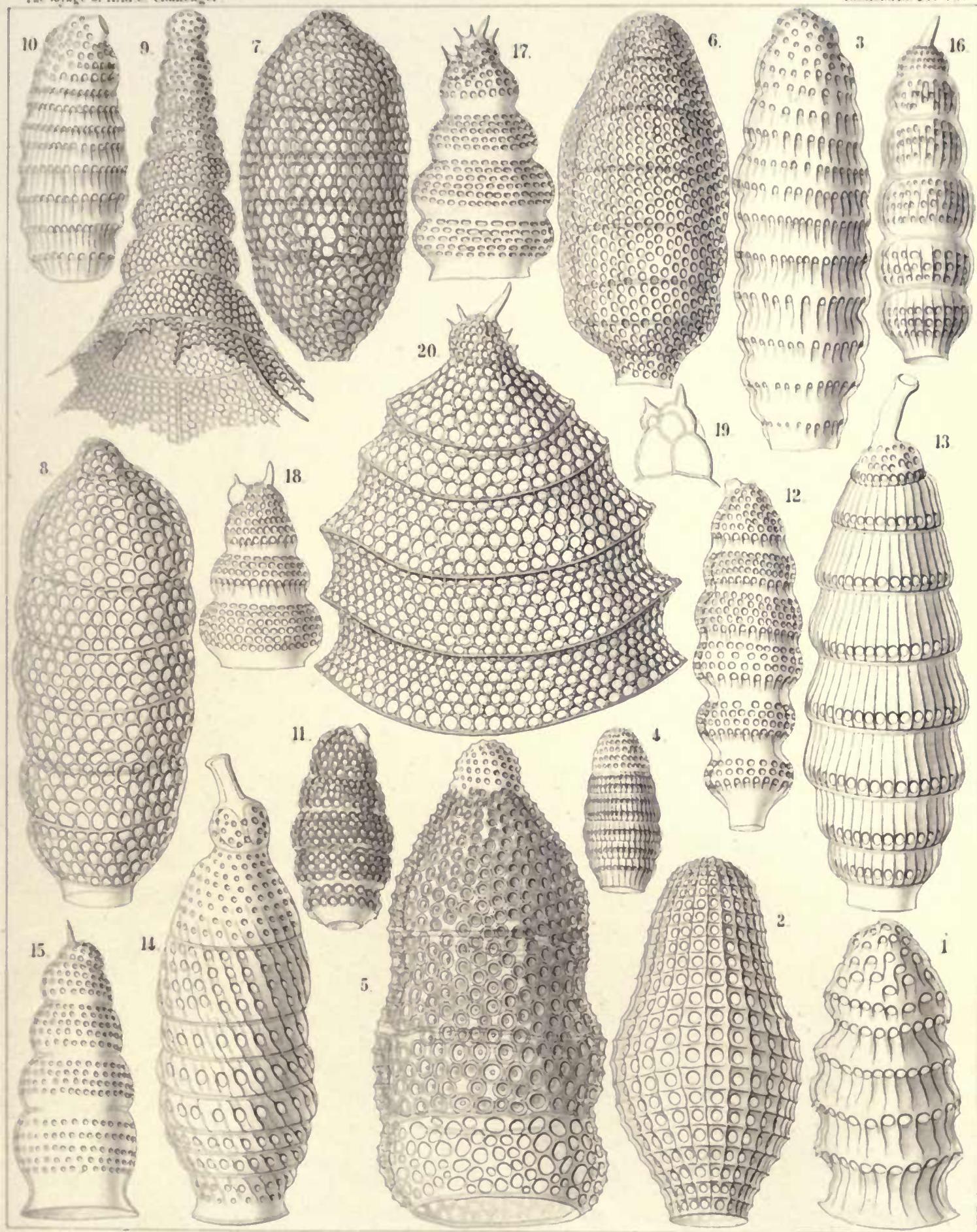
Order CYRTOIDEA.

Families PHORMOCAMPIDA et LITHOCAMPIDA.

PLATE 79.

PHORMOCAMPIDA et LITHOCAMPIDA.

		Diam.	Page
Fig. 1. <i>Lithomitra nodosaria</i> , n. sp.,	.	×	600
Fig. 2. <i>Cyrtophormis tabulata</i> , n. sp.,	.	×	400
Fig. 3. <i>Lithomitra eruca</i> , n. sp.,	.	×	500
Fig. 4. <i>Lithomitra chrysalis</i> , n. sp.,	.	×	300
Fig. 5. <i>Lithomitra infundibulum</i> , n. sp.,	.	×	500
Fig. 6. <i>Lithocampe octocola</i> , n. sp.,	.	×	400
Fig. 7. <i>Lithocampe hexacola</i> , n. sp.,	.	×	400
Fig. 8. <i>Lithocampe heptacola</i> , n. sp.,	.	×	400
Fig. 9. <i>Stichophormis novena</i> , n. sp.,	.	×	400
Fig. 10. <i>Siphocampe annulosa</i> , n. sp.,	.	×	300
Fig. 11. <i>Siphocampe erucosa</i> , n. sp.,	.	×	300
Fig. 12. <i>Siphocampe caminosa</i> , n. sp.,	.	×	400
Fig. 13. <i>Siphocampe tubulosa</i> , n. sp.,	.	×	400
Fig. 14. <i>Siphocampe spiralis</i> , n. sp.,	.	×	500
Fig. 15. <i>Lithostrobus seriatus</i> , n. sp.,	.	×	400
Fig. 16. <i>Artostrobus articulatus</i> , n. sp.,	.	×	400
Fig. 17. <i>Lithostrobus lithobotrys</i> , n. sp.,	.	×	400
Fig. 18. <i>Lithostrobus botryocyrtis</i> , n. sp.,	.	×	400
Fig. 19. <i>Lithostrobus botryocyrtis</i> , n. sp.,	.	×	400
Vertical section through the cephalis.			
Fig. 20. <i>Lithostrobus hexagonalis</i> , n. sp.,	.	×	400
			1475



1-11 LITHOCAMPE, 15. 20 EUCYRTIS.

PLATE 80.

Legion NASSELLARIA.

Order CYRTOIDEA.

Family LITHOCAMPIDA.

PLATE 80.

LITHOCAMPIDA.

		Diam.	Page
Fig. 1.	<i>Lithostrobus conulus</i> , n. sp. (vel <i>Cyrtostrobus conulus</i>), .	× 400	1472
Fig. 2.	<i>Lithostrobus cyrtoceras</i> , n. sp. (vel <i>Cornustrobus cyrtoceras</i>), .	× 400	1470
Fig. 3.	<i>Stichocorys huschkei</i> , n. sp., .	× 400	1480
Fig. 4.	<i>Lithostrobus caloceras</i> , n. sp. (vel <i>Cornustrobus caloceras</i>), .	× 400	1471
Fig. 5.	<i>Stichocorys okenii</i> , n. sp., .	× 300	1480
Fig. 6.	<i>Lithostrobus tetrastichus</i> , n. sp. (vel <i>Conostrobus tetrastichus</i>), .	× 500	1470
Fig. 7.	<i>Stichocorys panderi</i> , n. sp., .	× 400	1479
Fig. 8.	<i>Stichocorys baerii</i> , n. sp., .	× 400	1479
Fig. 9.	<i>Eucyrtidium cienkowskii</i> , n. sp., .	× 400	1493
Fig. 10.	<i>Stichocorys wolffii</i> , n. sp., .	× 400	1479
Fig. 11.	<i>Eucyrtidium hexagonatum</i> , n. sp., .	× 600	1489
Fig. 12.	<i>Eucyrtidium hertwigi</i> , n. sp., .	× 400	1491
Fig. 13.	<i>Eusyringium cannostoma</i> , n. sp., .	× 600	1499
Fig. 14.	<i>Eusyringium siphonostoma</i> , n. sp., .	× 500	1499
Fig. 15.	<i>Lithostrobus hexastichus</i> , n. sp. (vel <i>Artostrobus hexastichus</i>), .	× 500	1470

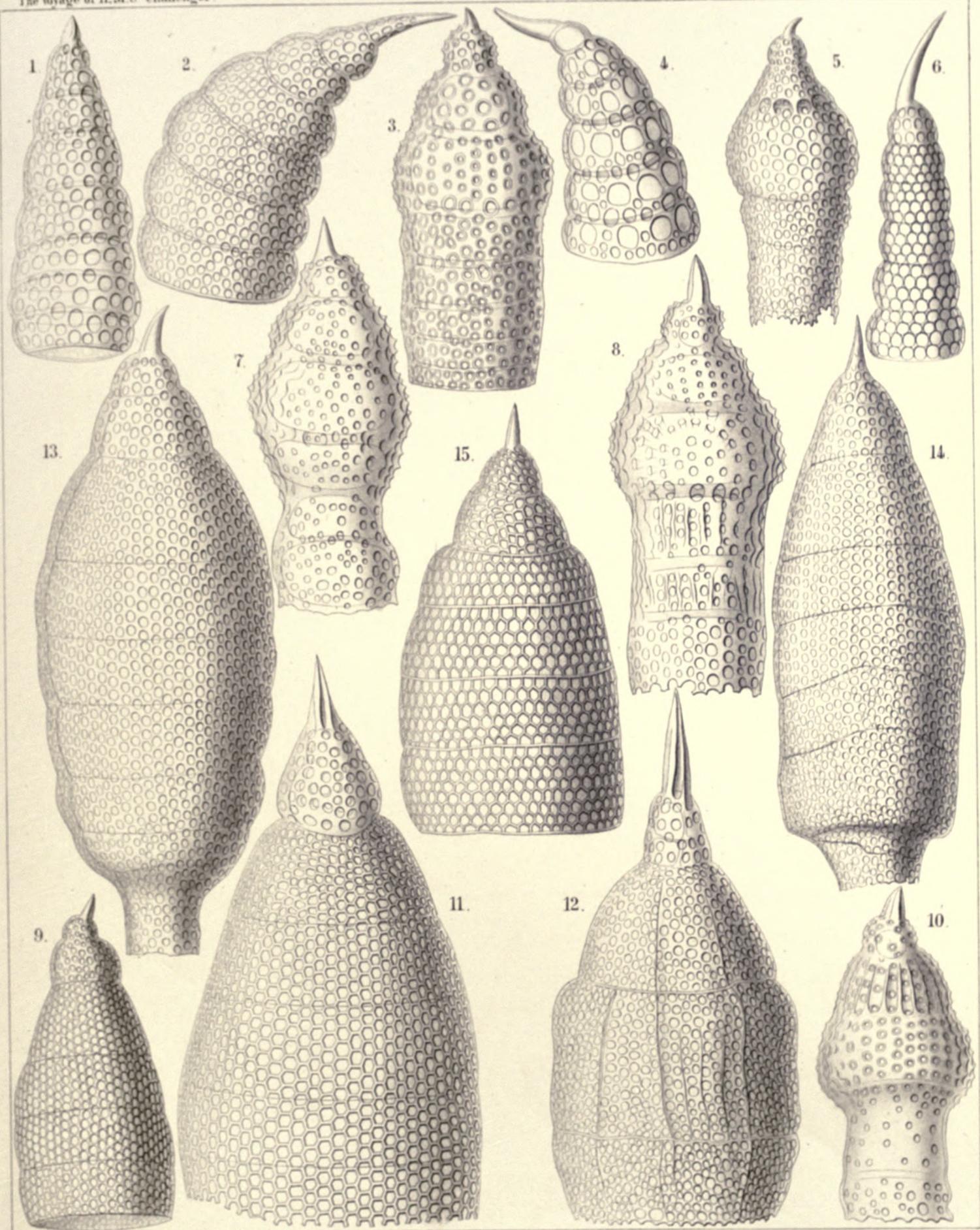


PLATE 81.

Legion NASSELLARIA.

Order STEPHOIDEA.

Family STEPHANIDA.

PLATE 81.

STEPHANIDA.

		Diam.	Page
Fig. 1. <i>Archicircus primordialis</i> , n. sp.,	.	× 200	942
Fig. 2. <i>Zygocircus polygonus</i> , n. sp.,	.	× 200	947
Fig. 3. <i>Zygocircus triquetrus</i> , n. sp.,	.	× 300	947
Fig. 4. <i>Archicircus hexacanthus</i> , n. sp.,	.	× 300	942
Fig. 5. <i>Zygocircus acacia</i> , n. sp.,	.	× 300	947
Fig. 6. <i>Lithocircus crambessa</i> , n. sp.,	.	× 400	944
Fig. 7. <i>Archicircus rhombus</i> , n. sp.,	.	× 300	942
Fig. 8. <i>Zygocircus pentagonus</i> , n. sp.,	.	× 300	946
Fig. 9. <i>Lithocircus quadricornis</i> , n. sp.,	.	× 300	944
Fig. 10. <i>Dendrocircus arborescens</i> , n. sp.,	.	× 300	949
Fig. 11. <i>Dendrocircus dodecancistra</i> , n. sp.,	.	× 300	949
Fig. 12. <i>Archicircus sexangularis</i> , n. sp.,	.	× 300	943
Fig. 13. <i>Dendrocircus elegans</i> , n. sp.,	.	× 400	949
Fig. 14. <i>Dendrocircus stalactites</i> , n. sp.,	.	× 400	950
Fig. 15. <i>Lithocircus decimalis</i> , n. sp.,	.	× 300	944
Fig. 16. <i>Lithocircus magnificus</i> , n. sp.,	.	× 400	945

The ovate, red-coloured central capsule exhibits in the lower half the striate podoconus, in the upper half four oil-globules, and at the left the kidney-shaped nucleus. Numerous "yellow cells" or xanthellæ are scattered in the calymma, which contains brown pigment around the porochora. Numerous pseudopodia radiate from the supporting spines of the sagittal ring.

Fig. 17. <i>Lithocircus hexablastus</i> , n. sp.,	.	× 400	944
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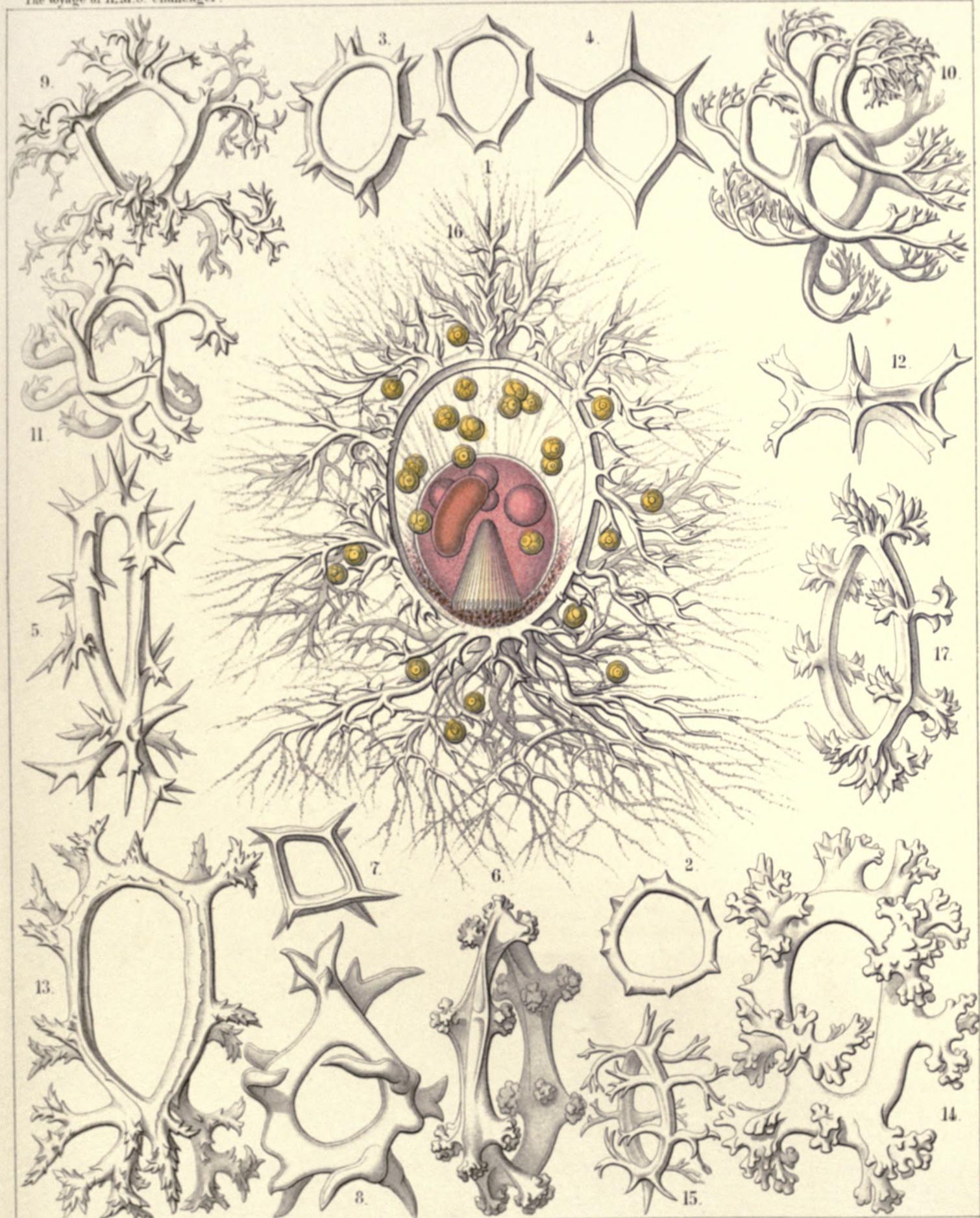


PLATE 82.

Legion NASSELLARIA.

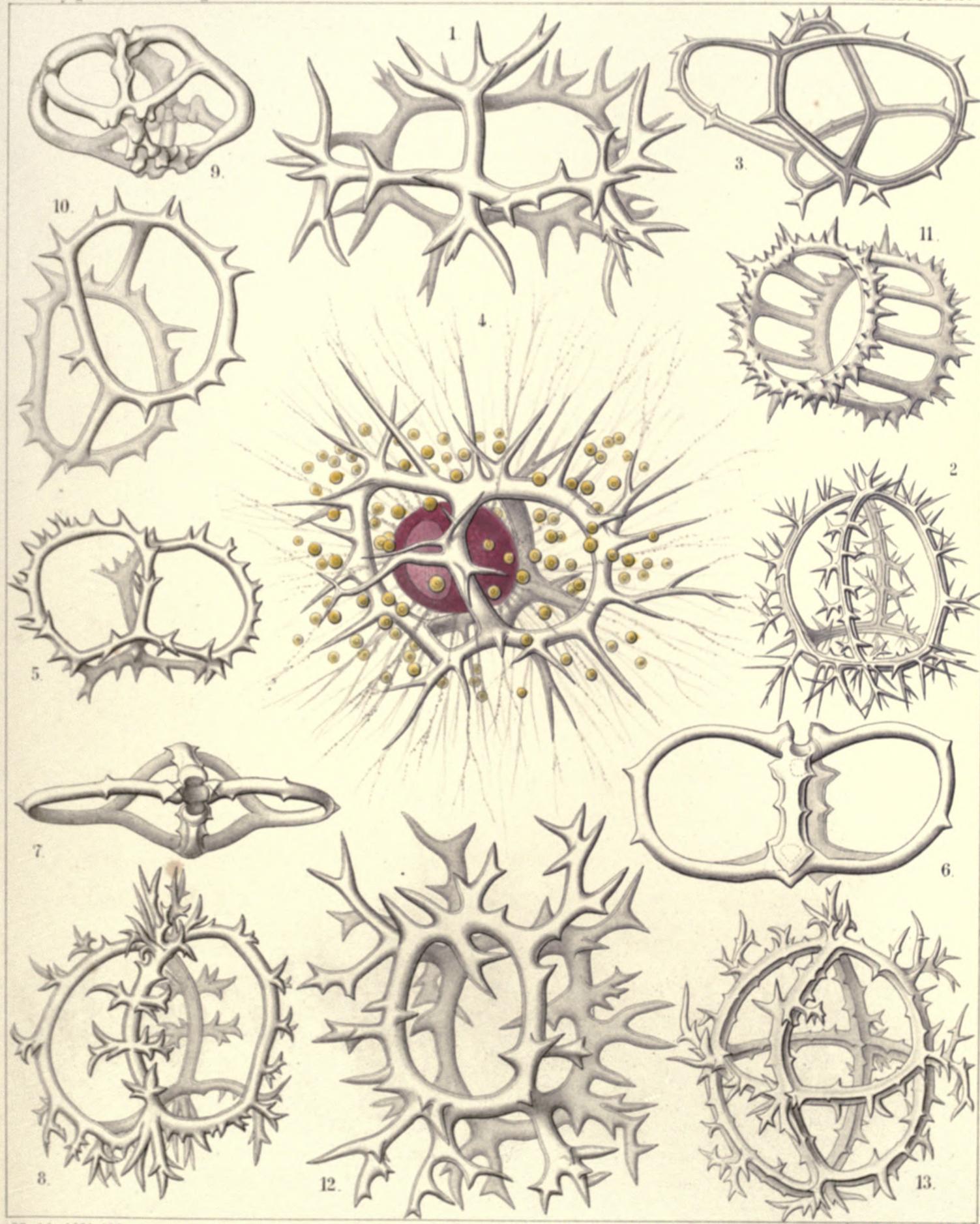
Order STEPHOIDEA.

Families CORONIDA et TYMPANIDA.

PLATE 82.

CORONIDA et TYMPANIDA.

		Diam.	Page
Fig. 1. <i>Coronidium cervicorne</i> , n. sp.,		× 400	974
Seen from the apical pole.			
Fig. 2. <i>Coronidium acacia</i> , n. sp.,		× 300	975
Fig. 3. <i>Eucoronis angulata</i> , n. sp.,		× 400	978
Half from the apical, half from the dorsal side.			
Fig. 4. <i>Eucoronis challengerii</i> , n. sp.,		× 400	978
The red central capsule encloses a large ovate nucleus and is surrounded by numerous xanthellæ.			
Fig. 5. <i>Eucoronis nephrospyrus</i> , n. sp.,		× 300	977
Fig. 6. <i>Eucoronis perspicillum</i> , n. sp.,		× 300	977
Fig. 7. <i>Coronidium dyostephanus</i> , n. sp.,		× 400	974
Seen from the apical pole.			
Fig. 8. <i>Coronidium diadema</i> , n. sp.,		× 300	974
Fig. 9. <i>Acrocubus octopylus</i> , n. sp.,		× 300	993
Fig. 10. <i>Parastephanus asymmetricus</i> , n. sp.,		× 400	1008
Fig. 11. <i>Eutympanium militare</i> , n. sp.,		× 400	1014
Oblique view.			
Fig. 12. <i>Lithocubus astragalus</i> , n. sp.,		× 400	1012
Fig. 13. <i>Trissocircus globus</i> , n. sp.,		× 400	986



1. 2. EUCORONIS, 3.-8. LITHOCORONIS, 9.-12. TYMPANIUM,
13. TRISSOCIRCUS.

PLATE 83.

Legion NASSELLARIA.

Orders STEPHOIDEA ET SPYROIDEA.

**Families STEPHANIDA, SEMANTIDA, CORONIDA, TYMPANIDA,
ZYGOSPYRIDA, PHORMOSPYRIDA et ANDROSPYRIDA.**

PLATE 83.

STEPHANIDA, SEMANTIDA, CORONIDA, TYMPANIDA, ZYGOSPYRIDA,
PHORMOSPYRIDA et ANDROSPYRIDA.

		Diam.	Page
Fig. 1. <i>Lithotympanum tuberosum</i> , n. sp.,		× 400	1006
Fig. 2. <i>Eutympanium musicantum</i> , n. sp.,		× 300	1013
Fig. 3. <i>Semantis distephanus</i> , n. sp.,		× 300	957
Fig. 4. <i>Sphaerospyris globosa</i> , n. sp.,		× 300	1100
Fig. 5. <i>Trissocyclus stauroporus</i> , n. sp.,		× 200	987
Fig. 6. <i>Trissocircus binellipsis</i> , n. sp.,		× 300	985
Fig. 7. <i>Podocoronis toxarium</i> , n. sp.,		× 200	980
Fig. 8. <i>Androspyris anthropiscus</i> , n. sp.,		× 400	1093
Fig. 9. <i>Cortina tripus</i> , n. sp.,		× 200	950
Fig. 10. <i>Cephalospyris cancellata</i> , n. sp.,		× 400	1035
Fig. 11. <i>Triplospyris furcata</i> , n. sp.,		× 400	1029
Fig. 12. <i>Petalospyris novena</i> , n. sp.,		× 400	1062
Basal view of the shell, with the cortinar septum.			
Fig. 13. <i>Rhodospyris tricornis</i> , n. sp.,		× 400	1089
Fig. 14. <i>Desmospyris mammillata</i> , n. sp.,		× 400	1089
Fig. 15. <i>Phormospyris tricostata</i> , n. sp.,		× 400	1087
Fig. 16. <i>Zygospyris equus</i> , n. sp.,		× 300	1056
Fig. 17. <i>Archicircus monostephus</i> , n. sp.,		× 300	941
Fig. 18. <i>Dipospyris cubus</i> , n. sp.,		× 400	1036
Basal view of the shell, with the cortinar septum.			
Fig. 19. <i>Gamospyris circulus</i> , n. sp.,		× 200	1042
Fig. 20. <i>Stephanospyris excellens</i> , n. sp.,		× 300	1043

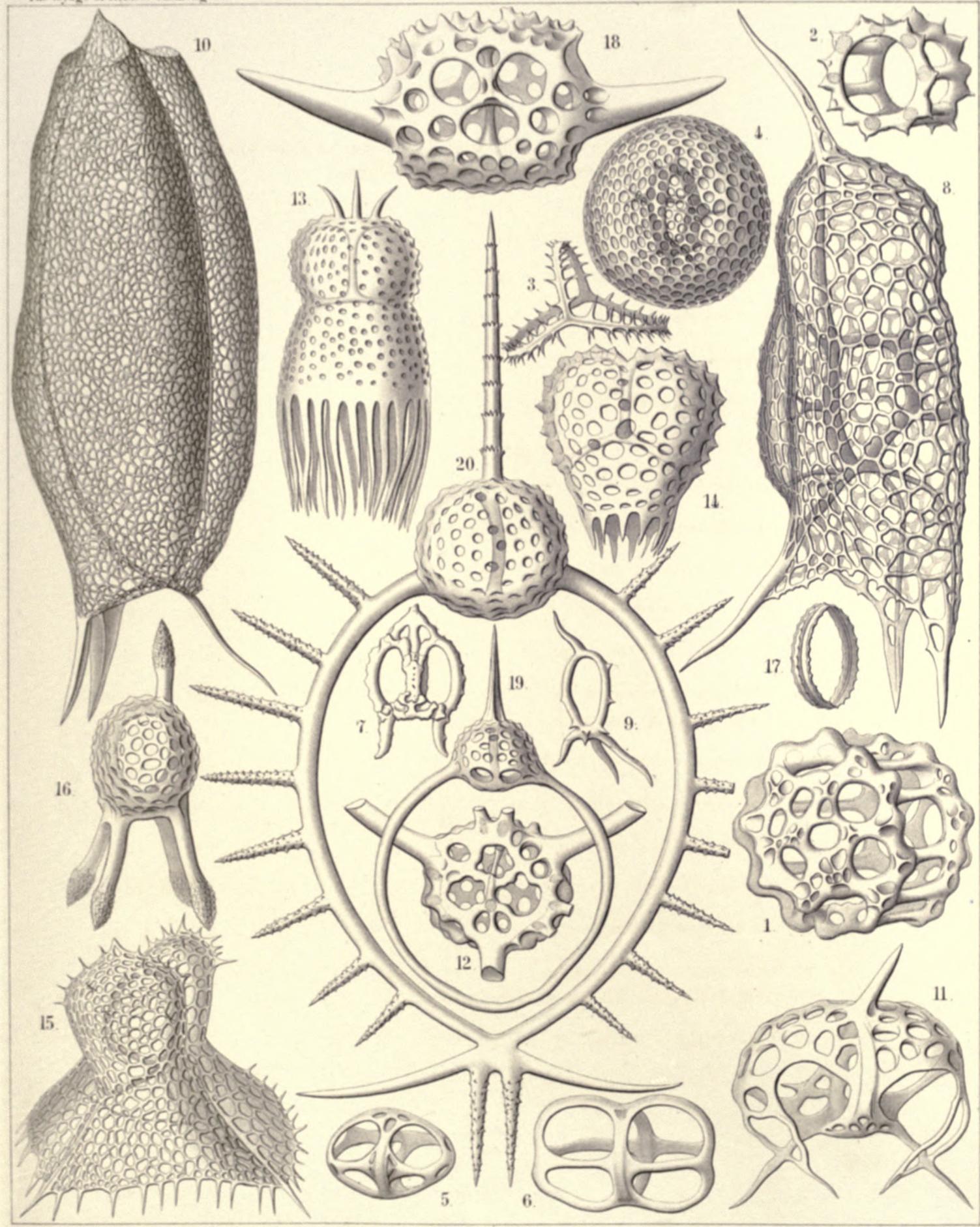


PLATE 84.

Legion **NASSELLARIA**.

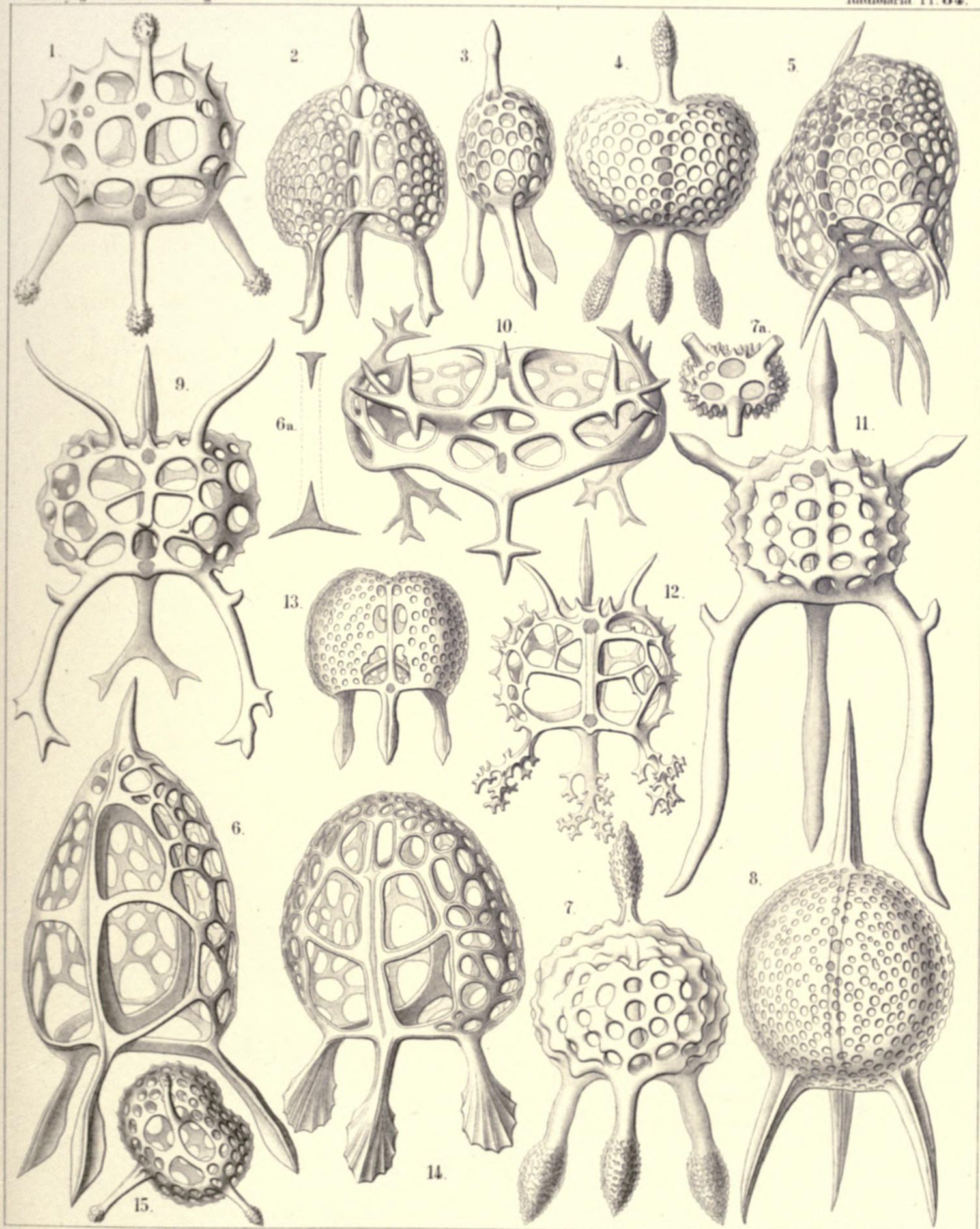
Order **SPYROIDEA**.

Family **ZYGOSPYRIDA**.

PLATE 84.

ZYGOSPYRIDA.

		Diam.	Page
Fig. 1. <i>Triplospyris capitata</i> , n. sp.,		× 400	1028
Seen from the dorsal side.			
Fig. 2. <i>Triplospyris semantis</i> , n. sp.,		× 300	1026
Seen from the ventral side.			
Fig. 3. <i>Triplospyris semantis</i> , n. sp.,		× 300	1026
Seen from the lateral side.			
Fig. 4. <i>Triplospyris eucolpos</i> , n. sp.,		× 300	1029
Seen from the dorsal side.			
Fig. 5. <i>Triplospyris diomma</i> , n. sp.,		× 400	1026
Half from the right side, half from the basal side.			
Fig. 6. <i>Triplospyris cortiniscus</i> , n. sp.,		× 500	1026
Half from the dorsal, half from the right side.			
Fig. 6a. Frontal section through the ring,		× 500	
Fig. 7. <i>Triplospyris conifera</i> , n. sp.,		× 400	1027
Seen from the dorsal side.			
Fig. 7a. From the basal side,		× 200	
Fig. 8. <i>Triplospyris euscenium</i> , n. sp. (vel <i>Euscenium triplospyris</i>),		× 400	1147
Seen from the frontal or ventral side.			
Fig. 9. <i>Triceraspis gazella</i> , n. sp.,		× 500	1031
Seen from the ventral side.			
Fig. 10. <i>Triceraspis damaeornis</i> , n. sp. (vel <i>Elaphospyris damaeornis</i> ?); compare p. 1032,		× 400	1057
Seen from the apical (or basal?) side.			
Fig. 11. <i>Triceraspis giraffa</i> , n. sp.,		× 400	1031
Seen from the frontal side.			
Fig. 12. <i>Triceraspis corallorrhiza</i> , n. sp.,		× 400	1031
Seen from the frontal side.			
Fig. 13. <i>Tristylospyris scaphipes</i> , n. sp.,		× 400	1033
Seen from the dorsal side.			
Fig. 14. <i>Tristylospyris palmipes</i> , n. sp.,		× 400	1033
Seen from the dorsal side.			
Fig. 15. <i>Tristylospyris clavipes</i> , n. sp.,		× 400	1033
Seen from the basal side.			



OB-37A.1

OB-37A.1

801 001
7801 002 X
7801 003 X
7801 004 X
7801 005 X

PLATE 85.

Legion NASSELLARIA.

Order SPYROIDEA.

Family ZYGOSPYRIDA.

1801 001 X
1801 002 X
1801 003 X
1801 004 X
1801 005 X

PLATE 85.

ZYGOSPYRIDA.

		Diam.	Page
Fig. 1. <i>Dipospyris forcipata</i> , n. sp.,		× 300	1037
Fig. 2. <i>Dipospyris irregularis</i> , n. sp.,		× 200	1037
Fig. 3. <i>Dipospyris chelifer</i> , n. sp.,		× 300	1037
Fig. 4. <i>Dorcadospyris dinoceras</i> , n. sp.,		× 400	1041
Fig. 5. <i>Dorcadospyris antilope</i> , n. sp.,		× 200	1041
Fig. 6. <i>Dorcadospyris dentata</i> , n. sp.,		× 200	1040
Fig. 7. <i>Dorcadospyris decussata</i> , n. sp.,		× 200	1041
Fig. 8. <i>Dendrospyris polyrrhiza</i> , n. sp.,		× 200	1039
Fig. 9. <i>Dendrospyris arborescens</i> , n. sp.,		× 400	1040
Fig. 10. <i>Stephanospyris cordata</i> , n. sp.,		× 200	1042
Fig. 11. <i>Stephanospyris verticillata</i> , n. sp.,		× 300	1043

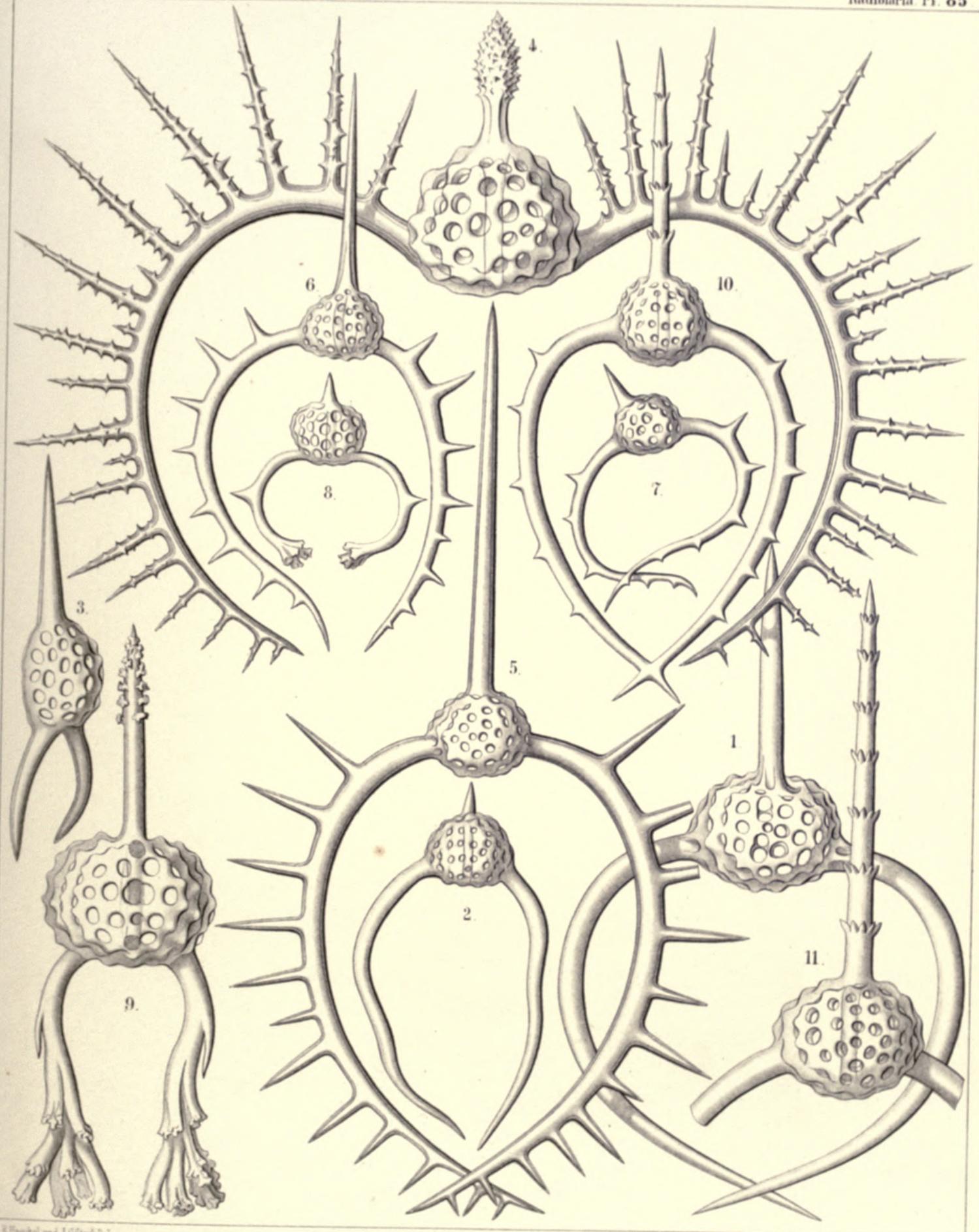


PLATE 86.

Legion NASSELLARIA.

Order SPYROIDEA.

Family ZYGOSPYRIDAE.

PLATE 86.

ZYGOSPYRIDA.

	Diam.	Page
Fig. 1. <i>Ceratospyris polygona</i> , n. sp.,	× 400	1066
Fig. 2. <i>Ceratospyris strasburgeri</i> , n. sp.,	× 400	1067
Fig. 3. <i>Ceratospyris allmersii</i> , n. sp.,	× 400	1067
Fig. 4. <i>Ceratospyris mulderi</i> , n. sp.,	× 400	1067
Fig. 5. <i>Anthospyris aculeata</i> , n. sp.,	× 400	1065
Fig. 6. <i>Petalospyris dictyocubus</i> , n. sp.,	× 400	1063
Fig. 7. <i>Liriospyris hexapoda</i> , n. sp.,	× 400	1049
Fig. 8. <i>Aegospyris caprina</i> , n. sp.,	× 400	1054
Fig. 9. <i>Ceratospyris preyeri</i> , n. sp.,	× 400	1068
Fig. 10. <i>Ceratospyris krausei</i> , n. sp.,	× 400	1068
Fig. 11. <i>Ceratospyris carnerii</i> , n. sp.,	× 400	1069
Fig. 12. <i>Elaphospyris alcicornis</i> , n. sp.,	× 400	1057
Fig. 13. <i>Elaphospyris cervicornis</i> , n. sp.,	× 400	1057

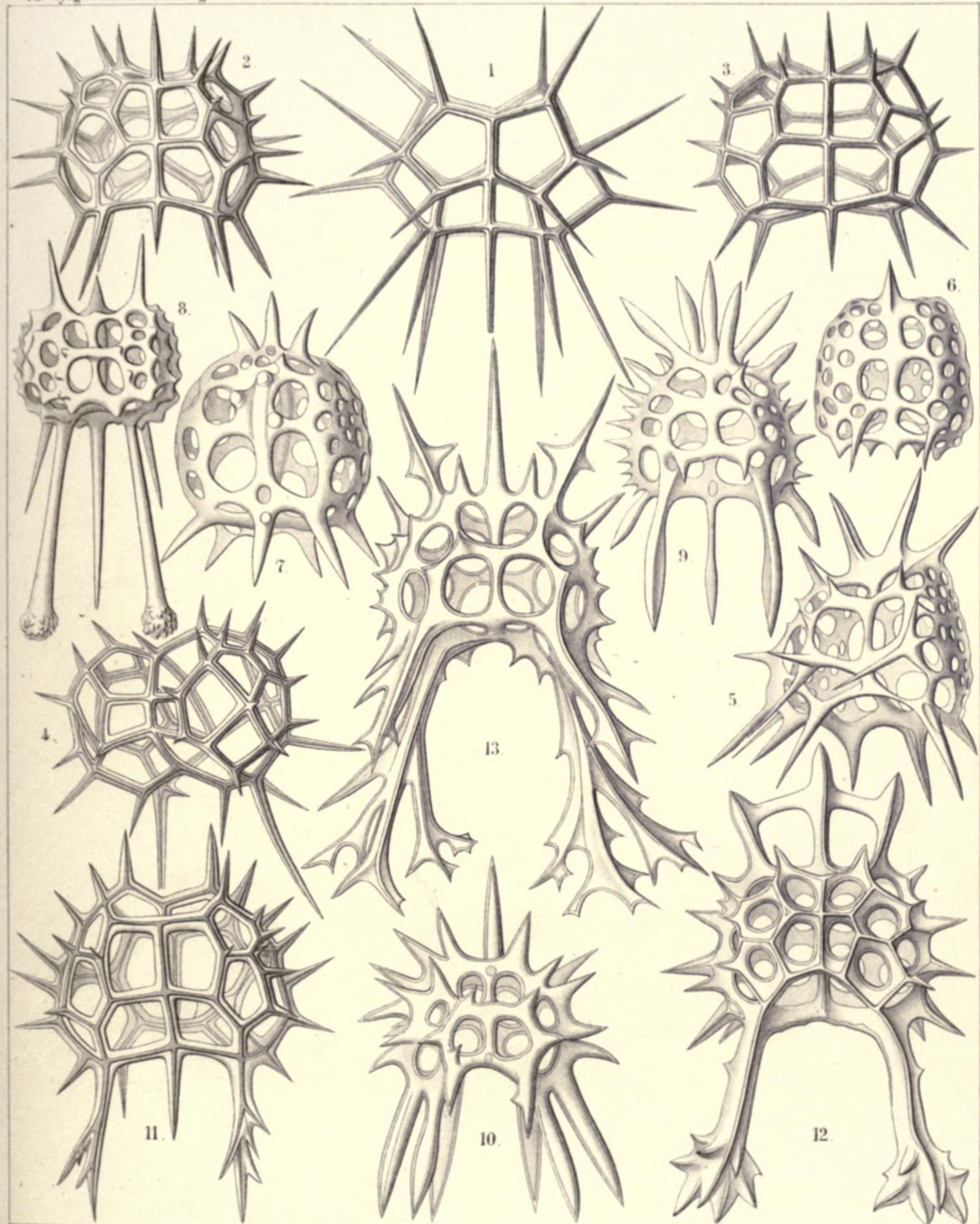


PLATE 87.

Legion NASSELLARIA.

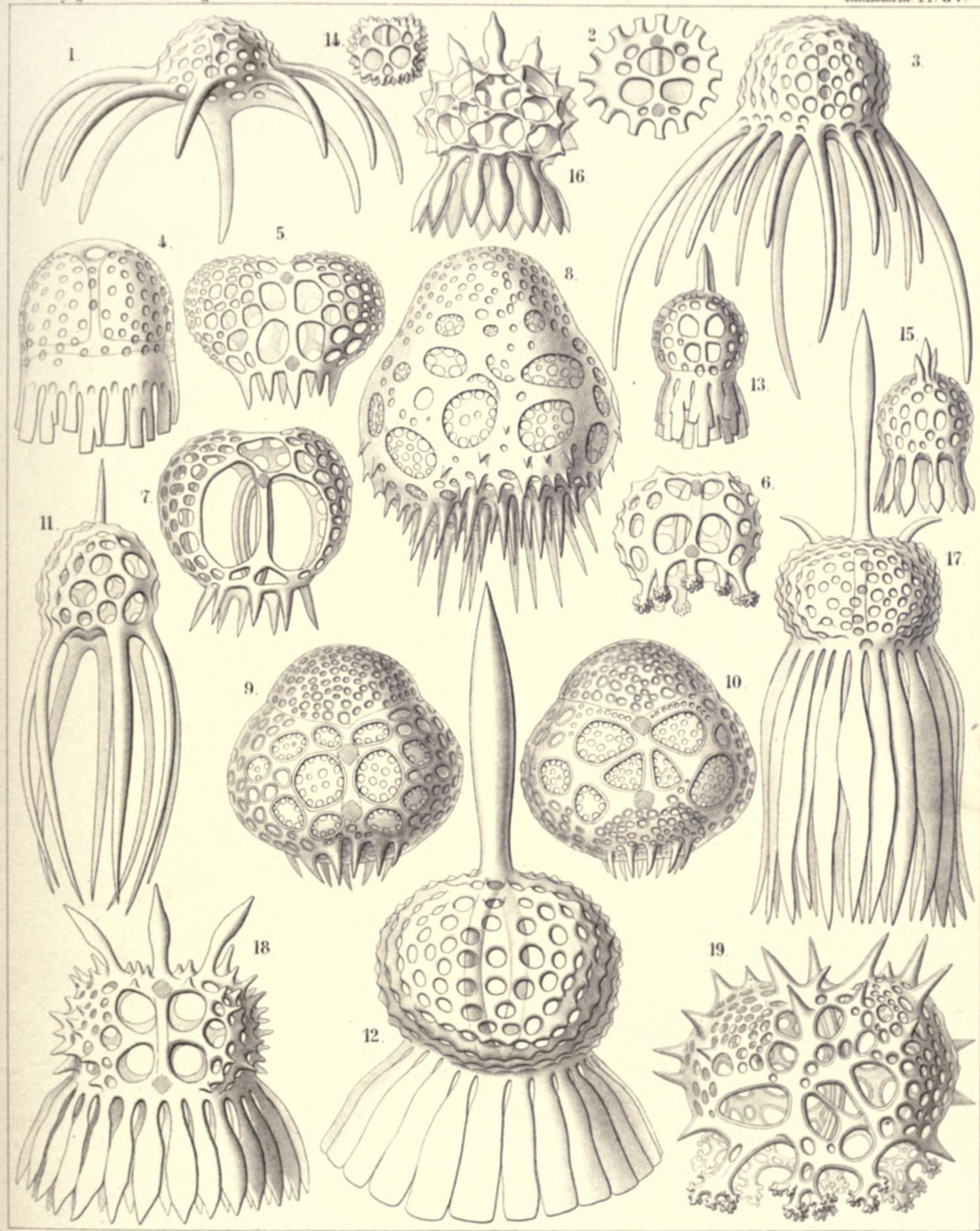
Order SPYROIDEA.

Families ZYGOSPYRIDAE et THOLOSPYRIDAE.

PLATE 87.

ZYGOSPYRIDA et THOLOSPYRIDA.

		Diam.	Page
Fig. 1.	<i>Gorgospyris medusa</i> , n. sp.,	× 300	1070
Fig. 2.	<i>Gorgospyris medusetta</i> , n. sp.,	× 300	1070
	From the basal side, with the nine cortinar pores.		
Fig. 3.	<i>Gorgospyris polypus</i> , n. sp.,	× 300	1070
Fig. 4.	<i>Gorgospyris schizopodia</i> , n. sp.,	× 400	1071
Fig. 5.	<i>Gorgospyris eurycolpos</i> , n. sp.,	× 300	1071
Fig. 6.	<i>Gorgospyris liriope</i> , n. sp.,	× 300	1071
Fig. 7.	<i>Tiarospyris pervia</i> , n. sp.,	× 400	1082
Fig. 8.	<i>Tiarospyris amphora</i> , n. sp.,	× 400	1083
Fig. 9.	<i>Tiarospyris mitra</i> , n. sp.,	× 400	1082
	From the ventral side.		
Fig. 10.	<i>Tiarospyris mitra</i> , n. sp.,	× 400	1082
	From the dorsal side.		
Fig. 11.	<i>Petalospyris octopus</i> , n. sp.,	× 400	1061
Fig. 12.	<i>Petalospyris dinoceras</i> , n. sp.,	× 400	1063
Fig. 13.	<i>Petalospyris lobata</i> , n. sp.,	× 300	1064
Fig. 14.	<i>Petalospyris triomma</i> , n. sp.,	× 200	1060
	From the basal side, with the six cortinar pores.		
Fig. 15.	<i>Anthospyris spathulata</i> , n. sp.,	× 400	1065
Fig. 16.	<i>Anthospyris mammillata</i> , n. sp.,	× 400	1064
Fig. 17.	<i>Anthospyris tragopogon</i> , n. sp.,	× 300	1066
Fig. 18.	<i>Anthospyris doronicum</i> , n. sp.,	× 300	1065
Fig. 19.	<i>Ceratospyris calorrhiza</i> , n. sp.,	× 400	1069



1-6. GORGOSPYRIS, 7-10. TIAROSPYRIS, 11-14. PETALOSPYRIS,
15-19. ANTHOSPYRIS.

PLATE 88.

Legion NASELLARIA.

Orders STEPHOIDEA ET SPYROIDEA.

Families TYMPANIDA et ANDROSPYRIDA.

PLATE 88.

TYMPANIDA et ANDROSPYRIDA.

		Diam.	Page
Fig. 1.	<i>Toxarium circospyris</i> , n. sp.,	× 400	995
Fig. 2.	<i>Amphispyris sternalis</i> , n. sp.,	× 300	1096
Fig. 3.	<i>Amphispyris costata</i> , n. sp.,	× 300	1097
Fig. 4.	<i>Amphispyris thorax</i> , n. sp.,	× 300	1096
Fig. 5.	<i>Amphispyris subquadrata</i> , n. sp.,	× 300	1097
Fig. 6.	<i>Amphispyris quadrigemina</i> , n. sp.,	× 300	1096
Fig. 7.	<i>Amphispyris toxarium</i> , n. sp.,	× 300	1097
Fig. 8.	<i>Tricolospyris baconiana</i> , n. sp.,	× 400	1098
Fig. 9.	<i>Tricolospyris leibnitziana</i> , n. sp.,	× 600	1098
Fig. 10.	<i>Tricolospyris kantiana</i> , n. sp.,	× 600	1098
Fig. 11.	<i>Tricolospyris newtoniana</i> , n. sp.,	× 400	1098
Fig. 12.	<i>Perispyris lentellipsis</i> , n. sp.,	× 400	1099
Fig. 13.	<i>Perispyris bicincta</i> , n. sp.,	× 400	1099

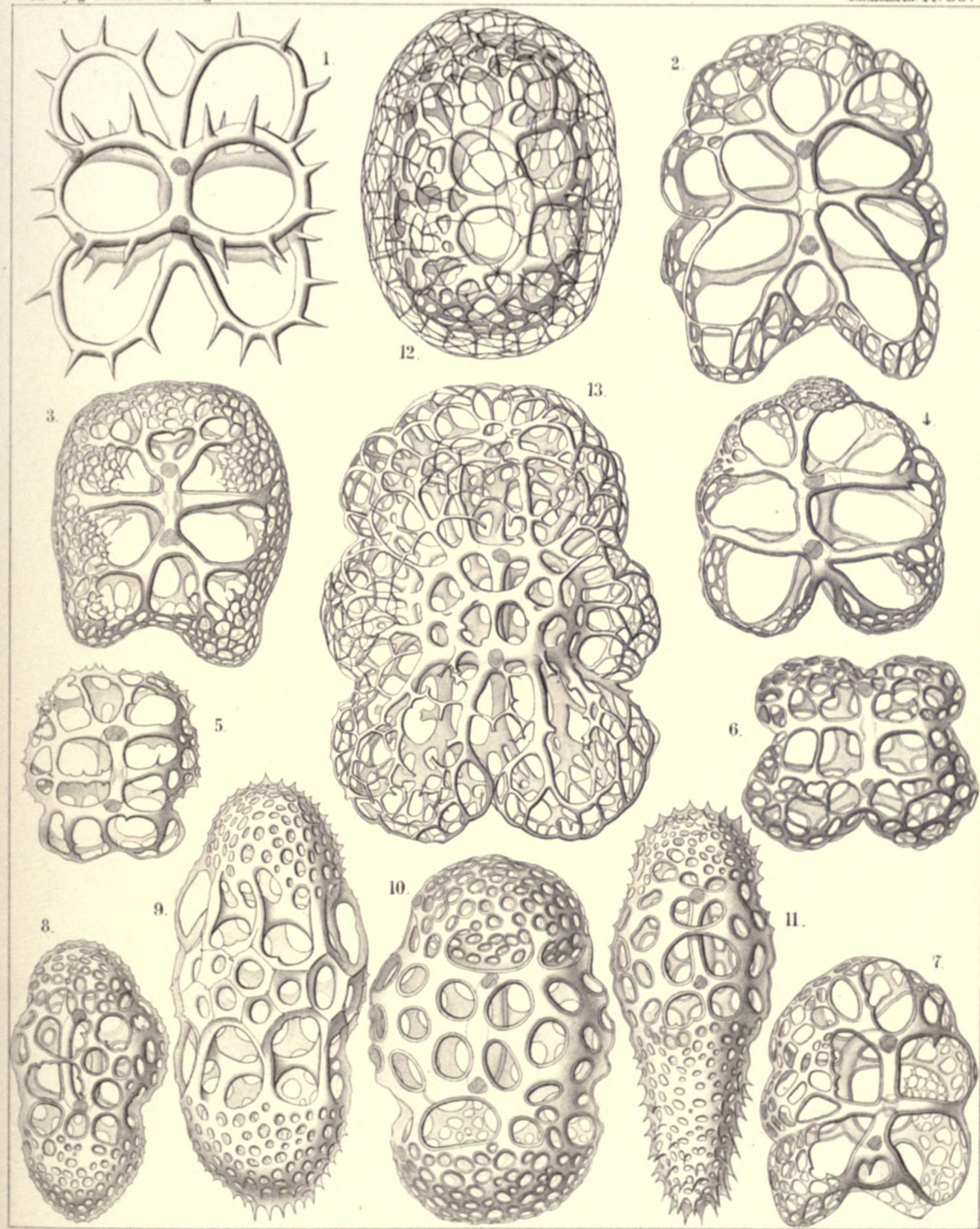


PLATE 89.

Legion NASSELLARIA.

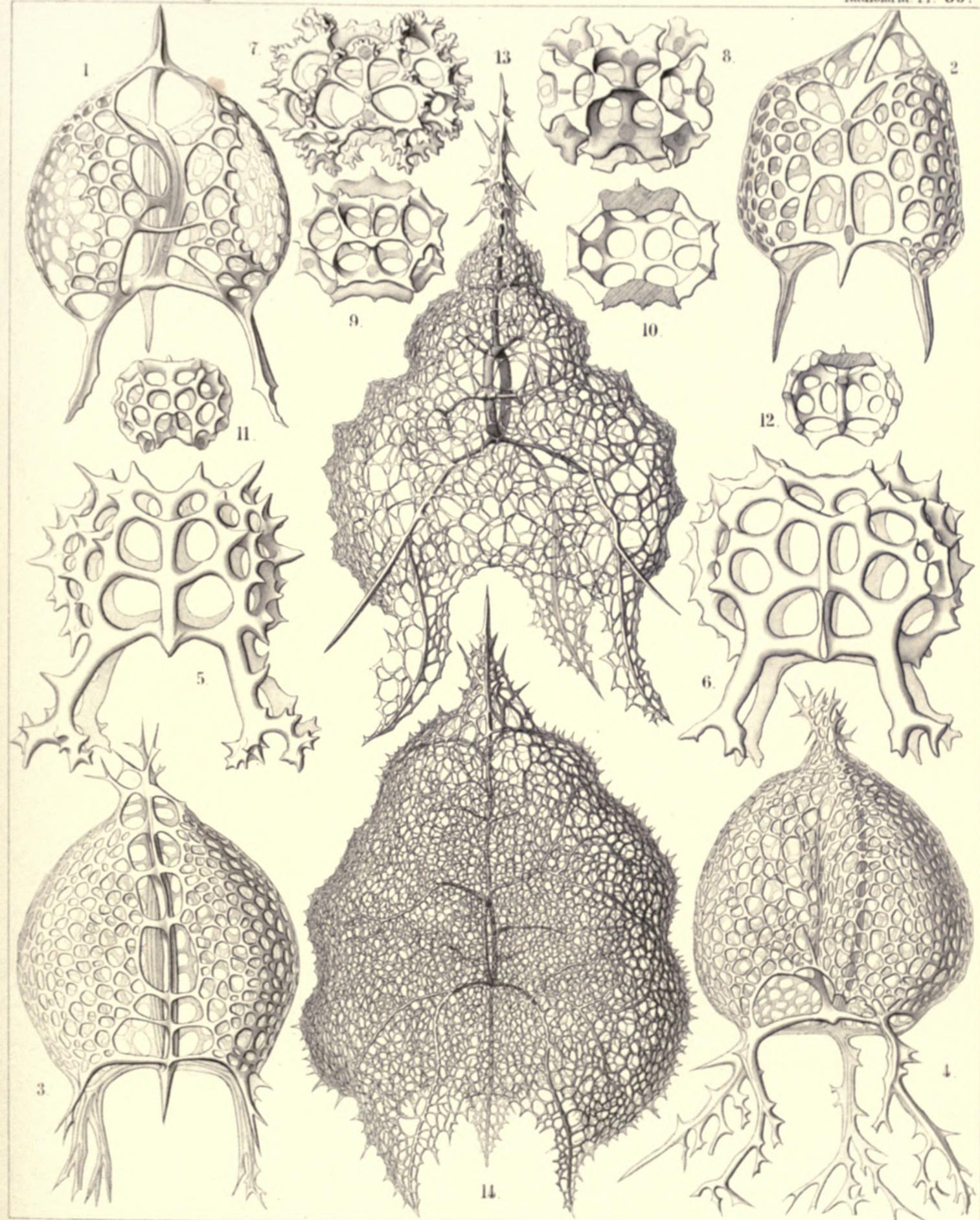
Order SPYROIDEA.

Families ZYGOSPYRIDA, THOLOSPYRIDA et ANDROSPYRIDA.

PLATE 89.

ZYGOSPYRIDA, THOLOSPYRIDA et ANDROSPYRIDA.

		Diam.	Page
Fig. 1. <i>Tholospyris tripodiscus</i> , n. sp.,	.	× 400	1079
Ventral side.			
Fig. 2. <i>Tholospyris fenestrata</i> , n. sp.,	.	× 400	1079
Dorsal side.			
Fig. 3. <i>Tholospyris ramosa</i> , n. sp.,	.	× 400	1079
Dorsal side.			
Fig. 4. <i>Tholospyris cupola</i> , n. sp.,	.	× 400	1080
Ventral side.			
Fig. 5. <i>Therospyris leo</i> , n. sp.,	.	× 400	1059
Ventral side.			
Fig. 6. <i>Therospyris felis</i> , n. sp.,	.	× 400	1059
Dorsal side.			
Fig. 7. <i>Dictyospyris stalactites</i> , n. sp.,	.	× 400	1073
Ventral side.			
Fig. 8. <i>Dictyospyris anthophora</i> , n. sp.,	.	× 400	1076
Ventral side.			
Fig. 9. <i>Dictyospyris mammillaris</i> , n. sp.,	.	× 400	1076
Ventral side.			
Fig. 10. <i>Dictyospyris mammillaris</i> , n. sp.,	.	× 400	1076
Frontal section.			
Fig. 11. <i>Dictyospyris distoma</i> , n. sp.,	.	× 300	1073
Ventral side.			
Fig. 12. <i>Dictyospyris distoma</i> , n. sp.,	.	× 300	1073
Frontal section.			
Fig. 13. <i>Lamprospyris darwinii</i> , n. sp.,	.	× 300	1094
Ventral side.			
Fig. 14. <i>Lamprospyris huxleyi</i> , n. sp.,	.	× 300	1094
Ventral side.			



1-4. THOLOSPYRIS, 5, 6. TESSARASPYRIS, 7-12. DICTYOSPYRIS
13, 14. LAMPROSPYRIS.

PLATE 90.

Legion NASSELLARIA.

Order SPYROIDEA.

Family ANDROSPYRIDAE.

PLATE 90.

ANDROSPYRIDA.

	Diam.	Page
Fig. 1. <i>Nephrospriris paradictyum</i> , n. sp. (vel <i>Paradictyum paradoxum</i>),	× 250	1102
The complete shell, seen from the frontal side.		
Fig. 2. <i>Nephrospriris paradictyum</i> , n. sp.,	× 250	1102
The incomplete shell, seen from the dorsal side.		
Fig. 3. <i>Nephrospriris paradictyum</i> , n. sp.,	× 500	1102
The sagittal ring, isolated, from the dorsal side; more enlarged.		
Fig. 4. <i>Nephrospriris paradictyum</i> , n. sp.,	× 120	1102
Vertical section through half the shell, exhibiting the thickened margin with the included symbiontes (compare page 1101).		
Fig. 5. <i>Nephrospriris paradictyum</i> , n. sp.,	× 200	1102
Oblique marginal view of the shell.		
Fig. 6. <i>Nephrospriris paradictyum</i> , n. sp.,	× 250	1102
Marginal view of a young specimen, with open fissure between the two parallel net-plates.		
Fig. 7. <i>Nephrospriris paradictyum</i> , n. sp.,	× 250	1102
The soft body alone, without the skeleton. The bilobed central capsule exhibits a central transverse nucleus, and on each lobe a stratum of oil-globules. The kidney-shaped calymma contains on the margin numerous symbiontes (<i>Xanthellæ</i> or <i>Vorticellinæ</i> ? Compare page 1102).		
Fig. 8. <i>Nephrospriris paradictyum</i> , n. sp.,	× 500	1102
Three single unicellular symbiontes (<i>Zooxanthella</i> ?).		
Fig. 9. <i>Nephrospriris renilla</i> , n. sp. (vel <i>Nephrodictyum renilla</i>),	× 250	1101
The bilobed central capsule is enclosed by the discoidal shell and in the middle constricted by the sagittal ring; it contains a transverse nucleus. The kidney-shaped calymma contains in the peripheral part numerous symbiontes (<i>Xanthellæ</i> or <i>Vorticellinæ</i> ? Compare page 1101).		
Fig. 10. <i>Nephrospriris renilla</i> , n. sp.,	× 250	1101
A singular abnormality (occurring not rarely), in which the reduced skeleton has nearly disappeared and the sagittal ring alone remained. The kidney-shaped calymma, however, which encloses numerous symbiontes, has preserved the form of the skeleton. The bilobed central capsule is similar to that in figs. 7 and 9, and is encircled by the thickened sagittal ring.		

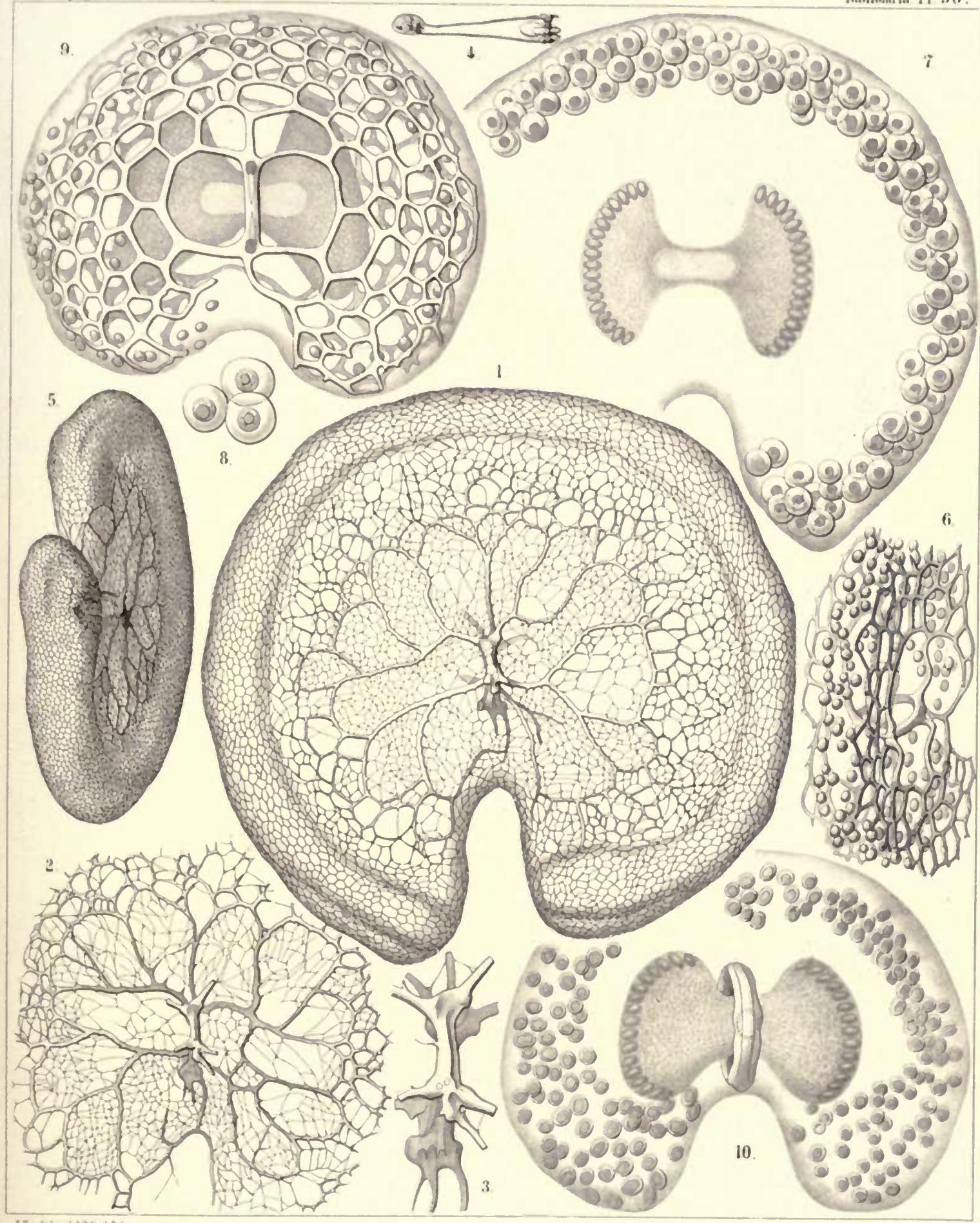


PLATE 91.

Legion NASSELLARIA.

Orders NASSOIDEA ET PLECTOIDEA.

Families NASSELLIDA, PLAGONIDA et PLECTANIDA.

PLATE 91.

NASSELLIDA, PLAGONIDA et PLECTANIDA.

		Diam.	Page
Fig. 1.	<i>Cystidium princeps</i> , n. sp.,	× 400	897
Fig. 2.	<i>Triplagia primordialis</i> , n. sp.,	× 100	909
Fig. 3.	<i>Tetraplagia phænaxonia</i> , n. sp.,	× 200	911
Fig. 4.	<i>Plagoniscus tripodiscus</i> , n. sp.,	× 200	912
Fig. 5.	<i>Plagiocarpa procortina</i> , n. sp.,	× 300	914
Fig. 6.	<i>Plagonium sphærozoum</i> , n. sp.,	× 300	916
Fig. 7.	<i>Triplecta triactis</i> , n. sp.,	× 300	922
Fig. 8.	<i>Tetraplecta pinigera</i> , n. sp.,	× 300	924
Fig. 9.	<i>Plectaniscus cortiniscus</i> , n. sp.,	× 300	925
Fig. 10.	<i>Periplecta cortina</i> , n. sp.,	× 400	926
Fig. 11.	<i>Plectanium trigeminum</i> , n. sp.,	× 400	928
Fig. 12.	<i>Polyplecta heptacantha</i> , n. sp.,	× 300	929

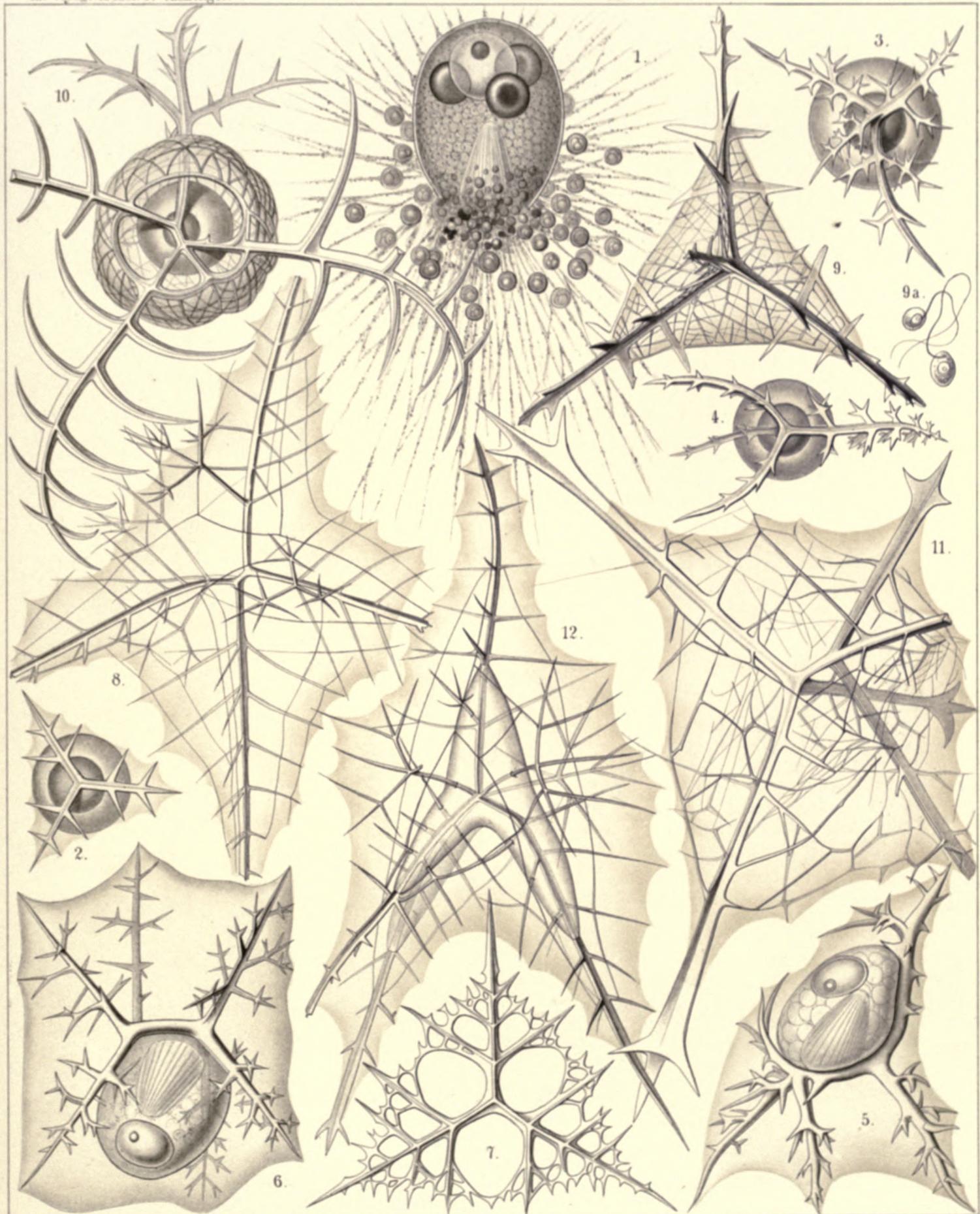


PLATE 92.

Legion NASSELLARIA.

Order STEPHOIDEA.

Families STEPHANIDA et SEMANTIDA.

PLATE 92.

STEPHANIDA et SEMANTIDA.

		Diam.	Page
Fig. 1.	<i>Semantis sigillum</i> , n. sp.,	× 400	957
Fig. 2.	<i>Semantis biforis</i> , n. sp.,	× 300	956
Fig. 3.	<i>Semantrum tetrastoma</i> , n. sp.,	× 300	959
Fig. 4.	<i>Semantrum signarium</i> , n. sp.,	× 400	960
Fig. 5.	<i>Semantrum quadrifore</i> , n. sp.,	× 400	958
Fig. 6.	<i>Semantidium hexastoma</i> , n. sp.,	× 400	960
Fig. 7.	<i>Semantidium signatorium</i> , n. sp.,	× 400	961
Fig. 8.	<i>Clathrocircus stapedius</i> , n. sp.,	× 400	962
Fig. 9.	<i>Clathrocircus dictyospyris</i> , n. sp.,	× 300	963
Fig. 10.	<i>Clathrocircus multiforis</i> , n. sp.,	× 300	963
Fig. 11.	<i>Cortiniscus tripodiscus</i> , n. sp.,	× 400	963
Fig. 12.	<i>Cortiniscus typicus</i> , n. sp.,	× 300	964
Fig. 13.	<i>Cortiniscus dipylaris</i> , n. sp.,	× 400	964
Fig. 14.	<i>Stephaniscus quadrifurcus</i> , n. sp.,	× 300	965
Fig. 15.	<i>Stephaniscus quadrigatus</i> , n. sp.,	× 400	965
Fig. 16.	<i>Semantiscus hexapodius</i> , n. sp.,	× 400	966
Fig. 17.	<i>Semantiscus hexapylus</i> , n. sp.,	× 400	967
Fig. 18.	<i>Semantiscus hexaspyris</i> , n. sp.,	× 400	966
Fig. 19.	<i>Lithocircus tarandus</i> , n. sp.,	× 400	944
Fig. 20.	<i>Stephanium quadrupes</i> , n. sp.,	× 200	952
Fig. 21.	<i>Cortina cervina</i> , n. sp.,	× 300	952



1-7. SEMANTIS, 8-10. CLATHROCIRCUS, 11-13. CORTINISCUS,
14-15. STEPHANISCUS, 16-19. SEMANTISCUS, 20-21. STEPHANIUM.

PLATE 93.—*NASSELLARIA*, *STEPHOIDEA*, *CORONIDA*, *TYMPANIDA*.

PLATE 93.

Legion NASSELLARIA.

Order STEPHOIDEA.

Families CORONIDA et TYMPANIDA.

PLATE 93.

CORONIDA et TYMPANIDA.

		Diam.	Page
Fig. 1.	<i>Zygostephanus dissocircus</i> , n. sp.,	× 300	971
Fig. 2.	<i>Zygostephanus bicornis</i> , n. sp.,	× 300	972
Fig. 3.	<i>Zygostephanium dizonium</i> , n. sp.,	× 300	973
Fig. 4.	<i>Zygostephanium paradictyum</i> , n. sp.,	× 300	973
Fig. 5.	<i>Acanthodesmia corona</i> , n. sp.,	× 400	976
Fig. 6.	<i>Plectocoronis pentacantha</i> , n. sp.,	× 300	979
Fig. 7.	<i>Tristephanium quadricorne</i> , n. sp.,	× 300	984
Fig. 8.	<i>Tristephanium octopyle</i> , n. sp.,	× 300	983
Fig. 9.	<i>Tristephanium dimensivum</i> , n. sp.,	× 400	983
Fig. 10.	<i>Trissocircus lentellipsis</i> , n. sp.,	× 300	985
Fig. 11.	<i>Trissocircus octostoma</i> , n. sp.,	× 300	986
Fig. 12.	<i>Trissocyclus sphaeridium</i> , n. sp.,	× 300	987
Fig. 13.	<i>Tricyclidium dictyospyris</i> , n. sp.,	× 300	984
Fig. 14.	<i>Protympanium amphipodium</i> , n. sp.,	× 300	992
Fig. 15.	<i>Acrocubus arcuatus</i> , n. sp.,	× 300	993
Fig. 16.	<i>Acrocubus cortina</i> , n. sp.,	× 300	994
Fig. 17.	<i>Acrocubus amphitheatrus</i> , n. sp.,	× 300	995
Fig. 18.	<i>Toxarium thorax</i> , n. sp.,	× 300	996
Fig. 19.	<i>Toxarium cordatum</i> , n. sp.,	× 300	996
Fig. 20.	<i>Toxarium bifurcum</i> , n. sp.,	× 300	997
Fig. 21.	<i>Parastephanus quadrispinus</i> , n. sp.,	× 300	1008
Fig. 22.	<i>Prismatium tripodium</i> , n. sp.,	× 300	1009

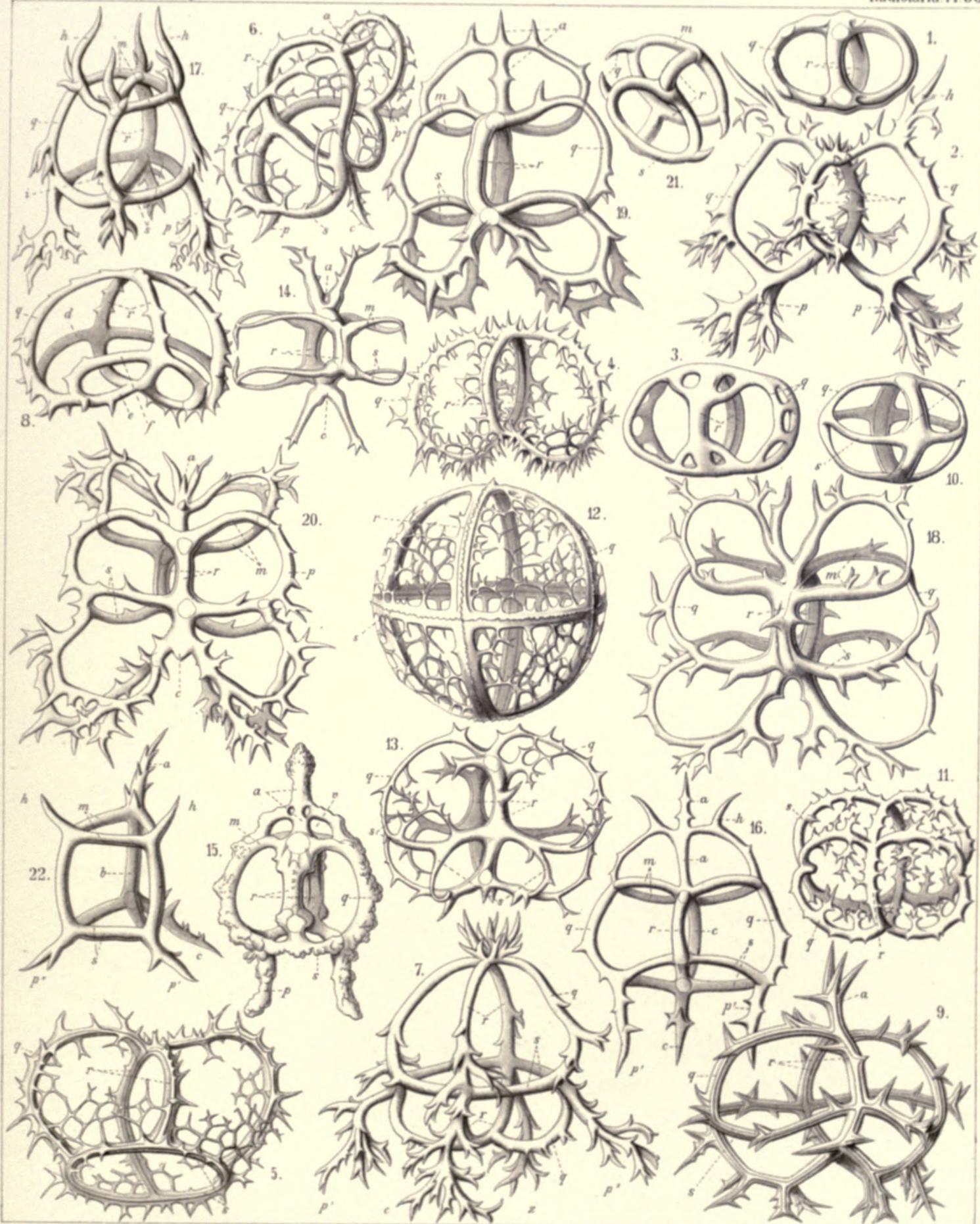


PLATE 94.

Legion NASSELLARIA.

Order STEPHOIDEA.

Family TYMPANIDA.

PLATE 94.

TYMPANIDA.

		Diam.	Page
Fig. 1.	<i>Tympanidium foliosum</i> , n. sp.,	× 400	1003
Fig. 2.	<i>Octotympnum cervicorne</i> , n. sp.,	× 400	1000
Fig. 3.	<i>Octotympnum octonarium</i> , n. sp.,	× 400	1000
Fig. 4.	<i>Tympaniscus quadrupes</i> , n. sp.,	× 400	1002
Fig. 5.	<i>Tympaniscus dipodiscus</i> , n. sp.,	× 400	1001
	Frontal view.		
Fig. 6.	<i>Tympaniscus dipodiscus</i> , n. sp.,	× 400	1001
	Lateral view.		
Fig. 7.	<i>Tympaniscus tripodiscus</i> , n. sp.,	× 400	1002
	Frontal view.		
Fig. 8.	<i>Microcubus zonarius</i> , n. sp.,	× 300	998
Fig. 9.	<i>Microcubus dodecastoma</i> , n. sp.,	× 300	998
Fig. 10.	<i>Microcubus amphispyris</i> , n. sp.,	× 400	999
Fig. 11.	<i>Pseudocubus obeliscus</i> , n. sp.,	× 400	1010
Fig. 12.	<i>Pseudocubus hexapylus</i> , n. sp.,	× 300	1011
Fig. 13.	<i>Lithocubus geometricus</i> , n. sp.,	× 200	1011
Fig. 14.	<i>Paratympnum octostylum</i> , n. sp.,	× 400	1005
Fig. 15.	<i>Dystympnum dictyocha</i> , n. sp.,	× 400	1007
	Lateral view.		
Fig. 16.	<i>Dystympnum dictyocha</i> , n. sp.,	× 400	1007
	Apical view.		
Fig. 17.	<i>Circotympnum octogonium</i> , n. sp.,	× 500	1013
Fig. 18.	<i>Tympanidium binoctonum</i> , n. sp.,	× 400	1004

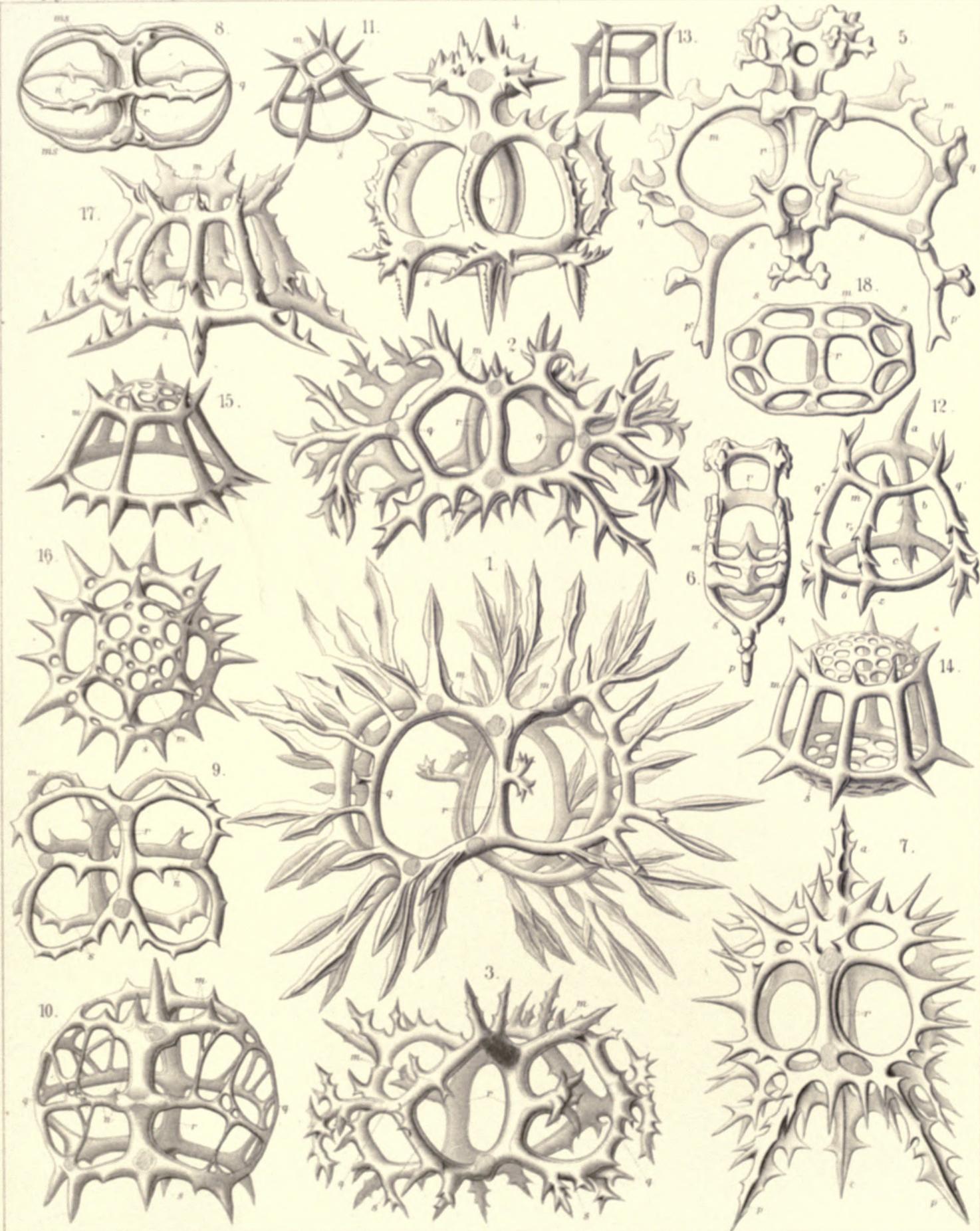


PLATE 95.

Legion NASSELLARIA.

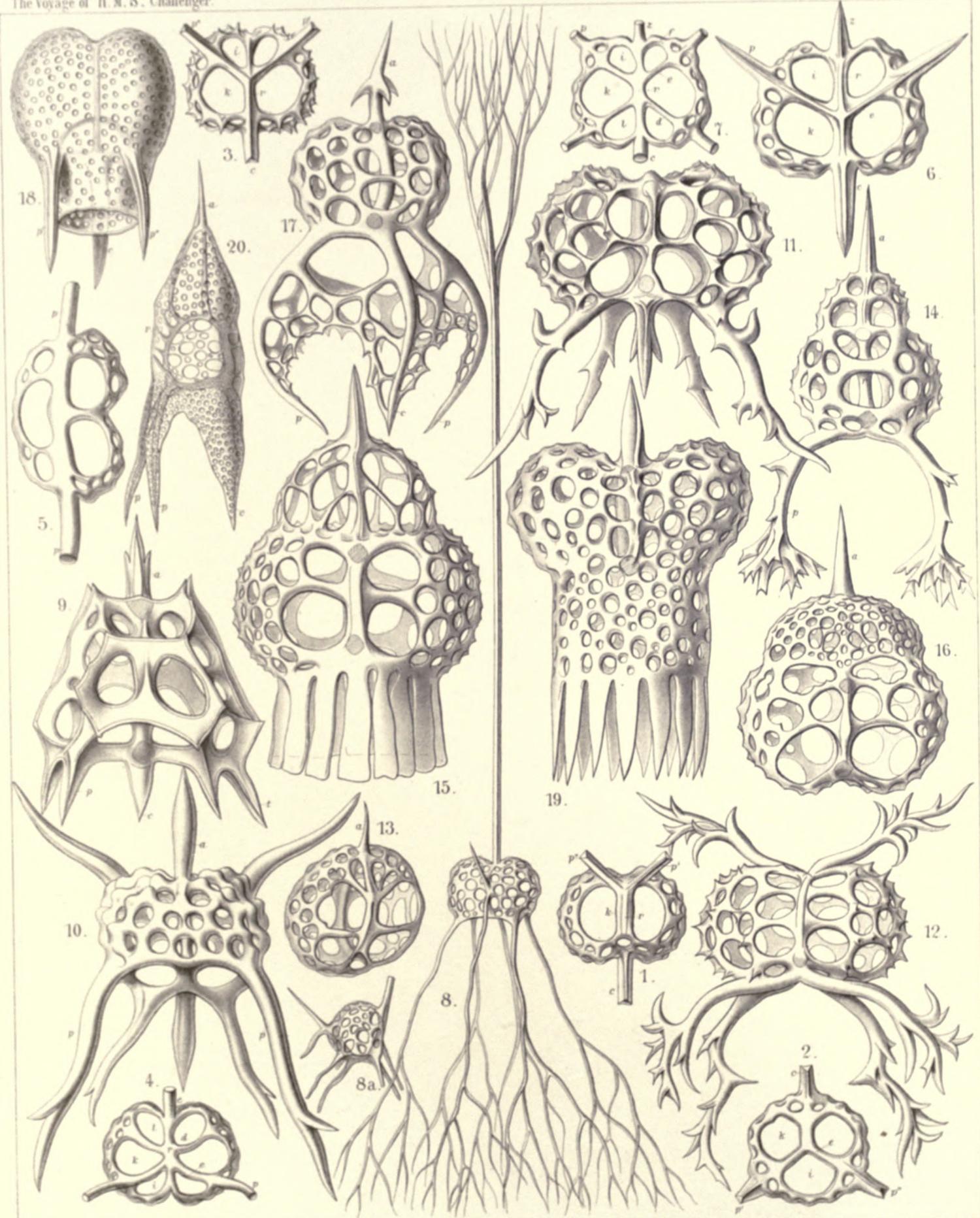
Order SPYROIDEA.

Families ZYGOSPYRIDA, THOLOSPYRIDA, PHORMOSPYRIDA
et ANDROSPYRIDA.

PLATE 95.

ZYGOSPYRIDA, THOLOSPYRIDA, PHORMOSPYRIDA et ANDROSPYRIDA.

			Diam.	Page
Fig. 1.	<i>Tripospyris cortina</i> , n. sp., .	.	×	300
	Basal view.	.	.	1025
Fig. 2.	<i>Tripospyris triplecta</i> , n. sp., .	.	×	300
	Basal view.	.	.	1027
Fig. 3.	<i>Tripospyris semantrum</i> , n. sp., .	.	×	400
	Basal view.	.	.	1027
Fig. 4.	<i>Tripospyris hexomma</i> , n. sp., .	.	×	300
	Basal view.	.	.	1028
Fig. 5.	<i>Brachiospyris diacantha</i> , n. sp., .	.	×	400
	Basal view.	.	.	1038
Fig. 6.	<i>Tetraspyris stephanium</i> , n. sp., .	.	×	300
	Basal view.	.	.	1044
Fig. 7.	<i>Liriospyris amphithecta</i> , n. sp., .	.	×	300
	Basal view.	.	.	1050
Fig. 8.	<i>Hexaspyris hexacorethra</i> , n. sp., .	.	×	300
	Frontal view.	.	.	1048
Fig. 9.	<i>Clathrospyris pyramidalis</i> , n. sp., .	.	×	500
	Frontal view.	.	.	1052
Fig. 10.	<i>Aegospyris aegoceras</i> , n. sp., .	.	×	400
	Frontal view.	.	.	1054
Fig. 11.	<i>Pentaspyris pentacantha</i> , n. sp., .	.	×	400
	Dorsal view.	.	.	1054
Fig. 12.	<i>Taurospyris cervina</i> , n. sp., .	.	×	400
	Frontal view.	.	.	1058
Fig. 13.	<i>Circospyris nucula</i> , n. sp., .	.	×	300
	Dorsal view.	.	.	1072
Fig. 14.	<i>Lophospyris dipodiscus</i> , n. sp., .	.	×	400
	Frontal view.	.	.	1080
Fig. 15.	<i>Sepalospyris platyphylla</i> , n. sp., .	.	×	400
	Dorsal view.	.	.	1081
Fig. 16.	<i>Pylospyris canariensis</i> , n. sp., .	.	×	400
	Frontal view.	.	.	1084
Fig. 17.	<i>Acrospyris clathrocanium</i> , n. sp., .	.	×	300
	Dorsal view.	.	.	1085
Fig. 18.	<i>Phormospyris tridentata</i> , n. sp., .	.	×	400
	Frontal view.	.	.	1087
Fig. 19.	<i>Patagospyris anthocyrtis</i> , n. sp., .	.	×	500
	Dorsal view.	.	.	1088
Fig. 20.	<i>Androspyrpis pithecius</i> , n. sp., .	.	×	400
	Lateral view.	.	.	1093



1-13. ZYGOSPYRIS, 14-16. THOLOSPYRIS, 17-19. PHORMOSPYRIS,
20. ANDROSPYRIS.

PLATE 96.

LEPTOCERIDÆ AND BOTRYODEIDÆ

PLATE 96.

Legion NASSELLARIA.

Order BOTRYODEA.

Families CANNOBOTRYIDA, LIHTOBOTRYIDA et PYLOBOTRYIDA.

PLATE 96.

CANNOBOTRYIDA, LITHOBOTRYIDA et PYLOBOTRYIDA.

		Diam.	Page
Fig. 1.	<i>Botryopera cyrtoloba</i> , n. sp., Apical view.	× 500	1108
Fig. 2.	<i>Botryopera quinqueloba</i> , n. sp., Half lateral, half frontal view.	× 500	1109
Fig. 3.	<i>Cannobotrys tricanna</i> , n. sp., View half from the frontal, half from the left side.	× 400	1110
Fig. 4.	<i>Cannobotrys cortina</i> , n. sp., Basal view.	× 400	1110
Fig. 5.	<i>Botryopyle inclusa</i> , n. sp., Frontal view.	× 500	1113
Fig. 6.	<i>Botryopyle dictyocephalus</i> , n. sp., Lateral view (right side).	× 500	1113
Fig. 7.	<i>Botryopyle sethocorys</i> , n. sp., Frontal view.	× 400	1112
Fig. 8.	<i>Acrobotrys trisolenia</i> , n. sp., Lateral view (right side).	× 400	1115
Fig. 9.	<i>Acrobotrys acuminata</i> , n. sp., Lateral view (right side).	× 400	1115
Fig. 10.	<i>Acrobotrys disolenia</i> , n. sp., Lateral view (left side).	× 400	1114
Fig. 11.	<i>Acrobotrys auriculata</i> , n. sp., Lateral view (right side).	× 500	1115
Fig. 12.	<i>Botryocella multicellaris</i> , n. sp., Lateral view (left side).	× 500	1117
Fig. 13.	<i>Botryocella quadricellaris</i> , n. sp., Lateral view (left side).	× 400	1117
Fig. 14.	<i>Botryocella quadrigemina</i> , n. sp., Collar septum, between cephalis and thorax.	× 400	1117
Fig. 15.	<i>Lithobotrys sphærothorax</i> , n. sp., Lateral view (right side).	× 500	1119
Fig. 16.	<i>Lithobotrys mascula</i> , n. sp., Frontal view.	× 500	1119
Fig. 17.	<i>Lithobotrys orchidea</i> , n. sp., Frontal view.	× 500	1119
Fig. 18.	<i>Botryocytis cerebellum</i> , n. sp., Apical view.	× 400	1121
Fig. 19.	<i>Botryocytis theocampe</i> , n. sp., Lateral view (left side).	× 500	1121
Fig. 20.	<i>Pylobotrys fontinalis</i> , n. sp., Apical view.	× 400	1122
Fig. 21.	<i>Pylobotrys putealis</i> , n. sp., Lateral view (right side).	× 500	1121
Fig. 22.	<i>Pylobotrys cerebralis</i> , n. sp., Dorsal view.	× 500	1122
Fig. 23.	<i>Botryocampe rotalia</i> , n. sp., Collar septum.	× 400	1123
Fig. 24.	<i>Botryocampe camerata</i> , n. sp., Lateral view (left side).	× 500	1124
Fig. 25.	<i>Phormobotrys cannothalamia</i> , n. sp., Lateral view (right side).	× 400	1125
Fig. 26.	<i>Phormobotrys trithalamia</i> , n. sp., Frontal section. The dorsal wall is visible, in the cephalis the cruciform frontal septum.	× 500	1124
Fig. 27.	<i>Phormobotrys pentathalamia</i> , n. sp., Lateral view (left side).	× 400	1124
Fig. 28.	<i>Cephalospyris triangulata</i> , n. sp., The central capsule encloses numerous spherical concrements.	× 400	1035

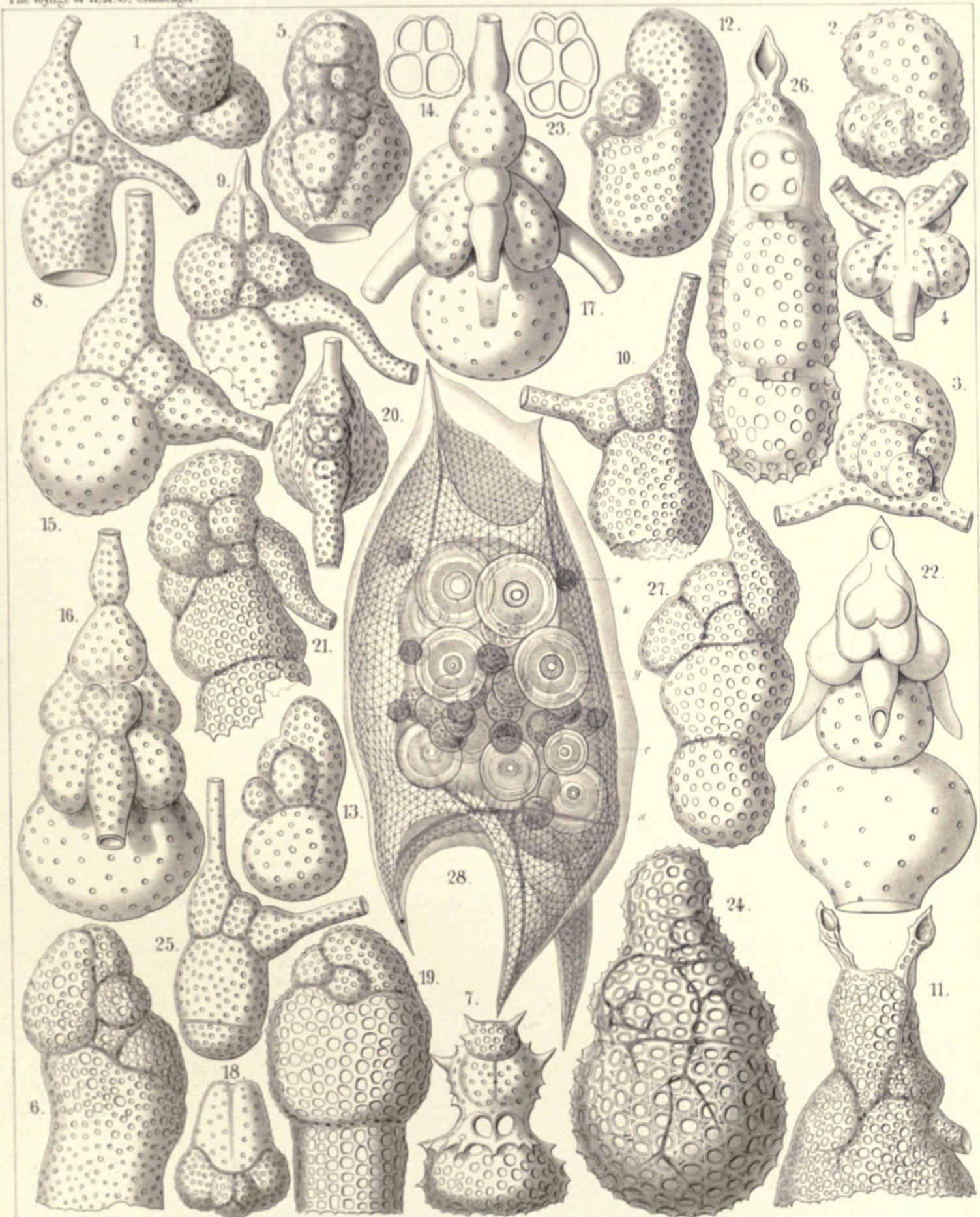


PLATE 97.

Legion NASSELLARIA.

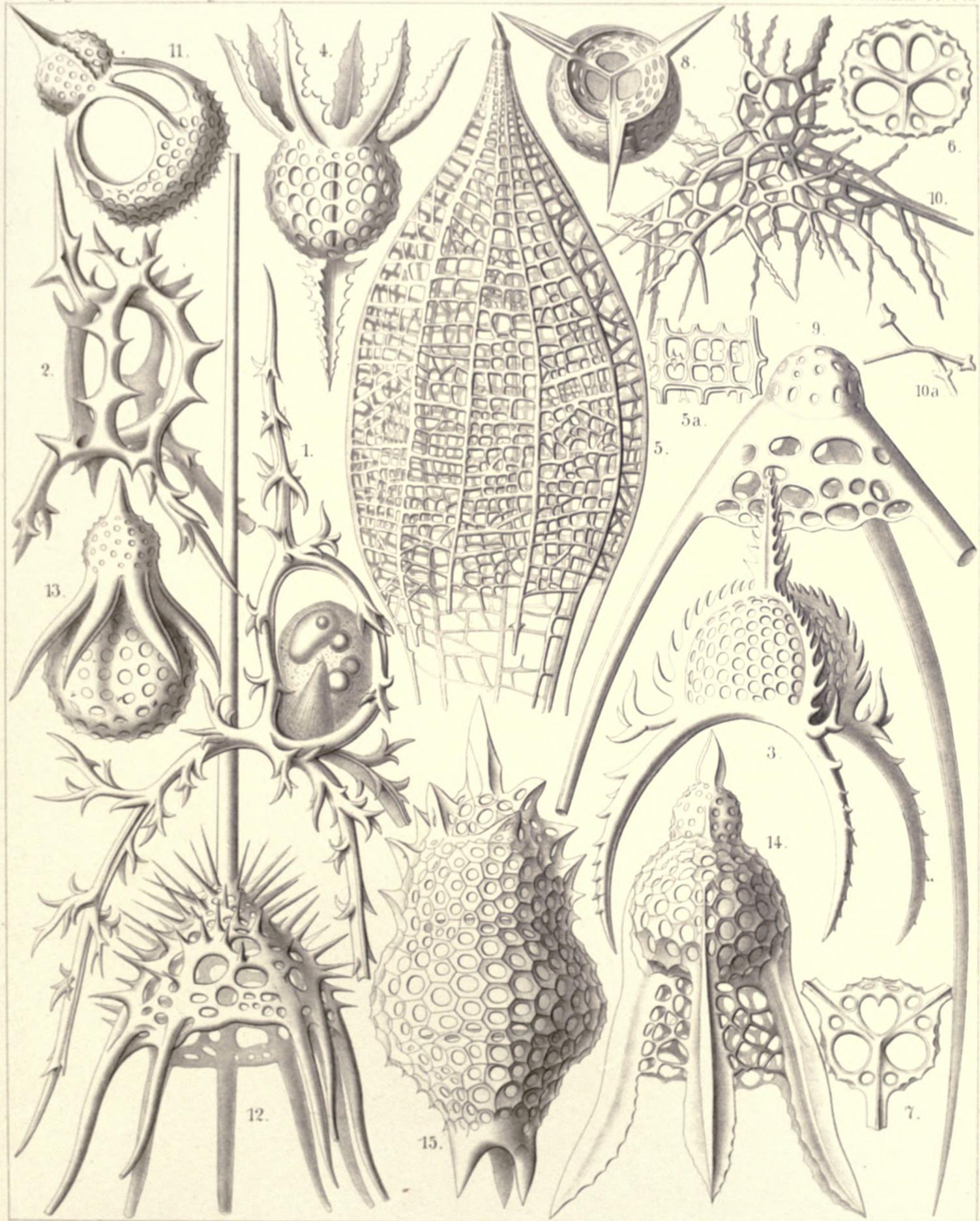
Orders STEPHOIDEA ET CYRTOIDEA.

Families STEPHANIDA, CORONIDA, TRIPOCALPIDA, PHÆNOCALPIDA,
TRIPOCYRTIDA, PODOCYRTIDA et PODOCAMPIDA.

PLATE 97.

STEPHANIDA, CORONIDA, TRIPOCALPIDA, PHÆNOCALPIDA, TRIPOCYRTIDA,
PODOCYRTIDA et PODOCAMPIDA.

	Diam.	Page
Fig. 1. <i>Cortina typus</i> , n. sp.,	× 300	951
View from the right side. The upper part of the central capsule includes the nucleus, the lower part the podoconus, besides some oil-globules. The two pectoral feet are partly broken off.		
Fig. 2. <i>Podocoronis cortiniscus</i> , n. sp.,	× 400	981
View from the right anterior side.		
Fig. 3. <i>Tripocalpis cortinaris</i> , n. sp.,	× 400	1137
Fig. 4. <i>Phænocalpis petalospyris</i> , n. sp.,	× 400	1173
Lateral view (inverted).		
Fig. 5. <i>Haliphormis lagenaria</i> , n. sp.,	× 200	1167
Fig. 6. <i>Halicapsa lithapium</i> , n. sp.,	× 300	1190
Basal view.		
Fig. 7. <i>Peridium alatum</i> , n. sp.,	× 300	1155
Basal view.		
Fig. 8. <i>Sethopilium orthopus</i> , n. sp.,	× 300	1202
Basal view.		
Fig. 9. <i>Sethopilium macropus</i> , n. sp.,	× 400	1203
Fig. 10. <i>Amphiplecta acrostoma</i> , n. sp.,	× 400	1223
Fig. 11. <i>Sethopera tricostata</i> , n. sp.,	× 400	1232
Fig. 12. <i>Acanthocorys macroceras</i> , n. sp.,	× 200	1264
Fig. 13. <i>Sethophæna hexaptera</i> , n. sp.,	× 400	1286
Fig. 14. <i>Theopodium tricostatum</i> , n. sp.,	× 400	1328
Fig. 15. <i>Podocampe trictenota</i> , n. sp.,	× 500	1446



Ellenbeck und A. Gieseck, Del.

A. Gieseck, Jena. Lithogr.

1, 2. CORTINA, 3-7. MONOCYRTIDA, 8-13. DICYRTIDA.

14. THEOPODIUM, 15. PODOCAMPE.

PLATE 98.

Legion NASSELLARIA.

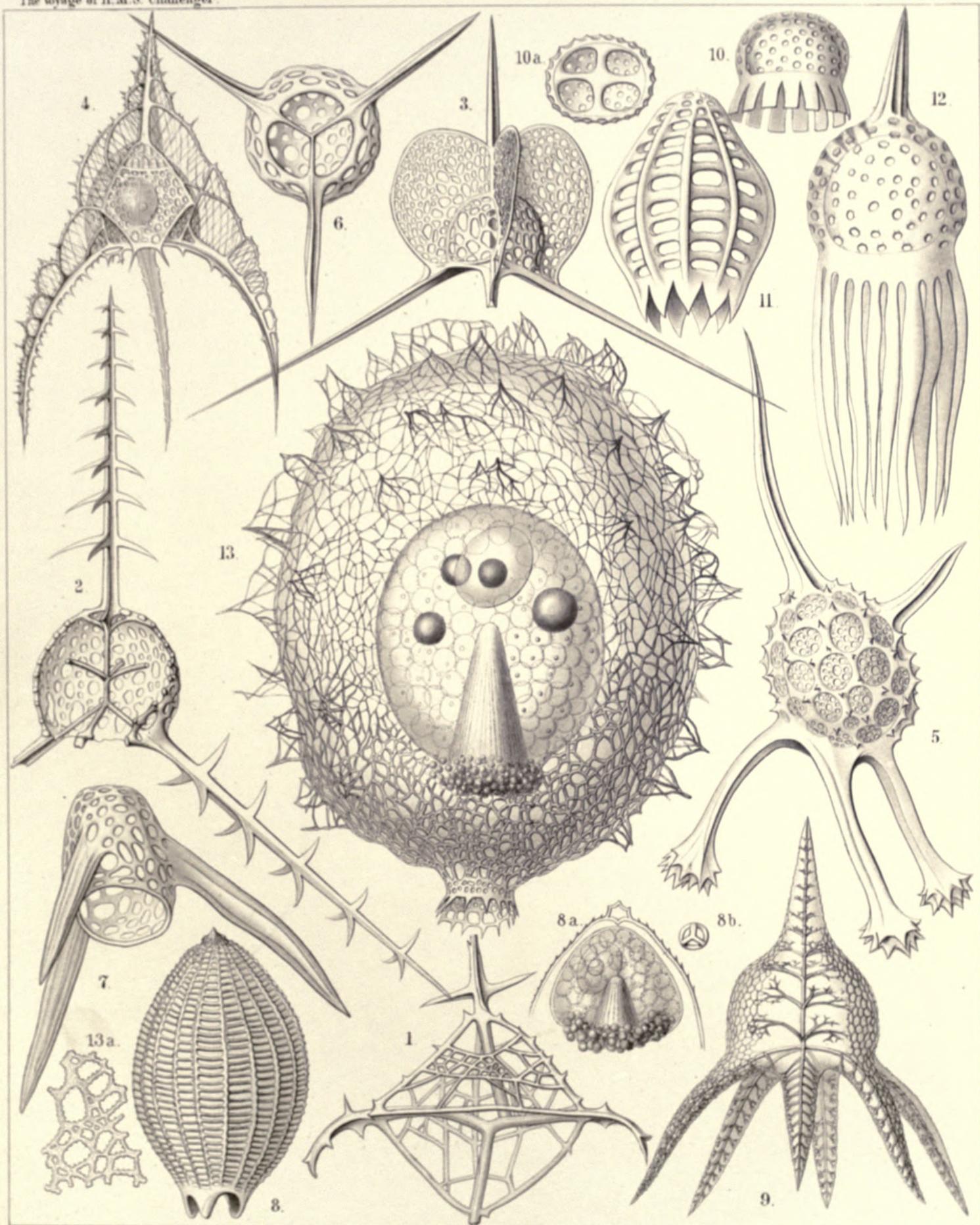
Order CYRTOIDEA.

Families TRIPOCALPIDA et PHÆNOCALPIDA.

PLATE 98.

TRIOPCALPIDA et PHÆNOCALPIDA.

		Diam.	Page
Fig. 1. <i>Euscenium plectaniscus</i> , n. sp.,	.	×	300
Half frontal, half basal view.	.	.	1146
Fig. 2. <i>Cladoscenium pectinatum</i> , n. sp.,	.	×	400
Shell opened by a vertical section.	.	.	1150
Fig. 3. <i>Archiscenium cyclopterum</i> , n. sp.,	.	×	400
View from the dorsal side.	.	.	1151
Fig. 4. <i>Pteroscenium arcuatum</i> , n. sp.,	.	×	400
The central capsule contains a large spherical nucleus with a nucleolus.	.	.	1152
Fig. 5. <i>Archipera cortiniscus</i> , n. sp.,	.	×	400
Fig. 6. <i>Archibursa tripodiscus</i> , n. sp.,	.	×	400
Basal view.	.	.	1157
Fig. 7. <i>Archipilium orthopterum</i> , n. sp.,	.	×	400
Fig. 8. <i>Tripilidium costatum</i> , n. sp.,	.	×	300
Fig. 8a. Central capsule in the upper part of the shell,	.	×	1141
Fig. 8b. Cortinar septum,	.	×	
Fig. 9. <i>Phænoscenium hexapodium</i> , n. sp.,	.	×	300
Fig. 10. <i>Archiphæna gorgospyris</i> , n. sp.,	.	×	300
Fig. 10a. Cortinar septum with four collar pores,	.	×	300
Fig. 11. <i>Archiphormis urceolata</i> , n. sp.,	.	×	300
Fig. 12. <i>Halicalyptra petalospyris</i> , n. sp.,	.	×	400
Fig. 13. <i>Arachnocalpis ellipsoides</i> , n. sp.,	.	×	300
The central capsule is filled up by clear vacuoles and exhibits in the upper half the ellipsoidal nucleus and four oil-globules, in the lower half the slender striated podoconus.	.	.	1172
Fig. 13a. A piece of the network, more enlarged,	.	×	900



1-4. EUSCENIUM, 5. 6. ARCHIPERA, 7. 8. TRIPILIDIUM, 9. 10. ARCHIPHAENA,
11. 12. ARCHIPHORMIS, 13 ARACHNOCALPIS.