

P. 10

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N° 12582

25 May, 1893.



BEITRÄGE ZUR KENNTNISS
DER
FOSSILEN BACILLARIEN
UNGARNS.

III. THEIL:

SÜSSWASSER BACILLARIEN

ANHANG:

Analysen 15 neuer Depôts von Bulgarien, Japan, Mähren, Russland und
Ungarn mit 42 Tafeln in Lichtdruck.

BEARBEITET

DURCH

Dr. JOSEF PANTOCSEK

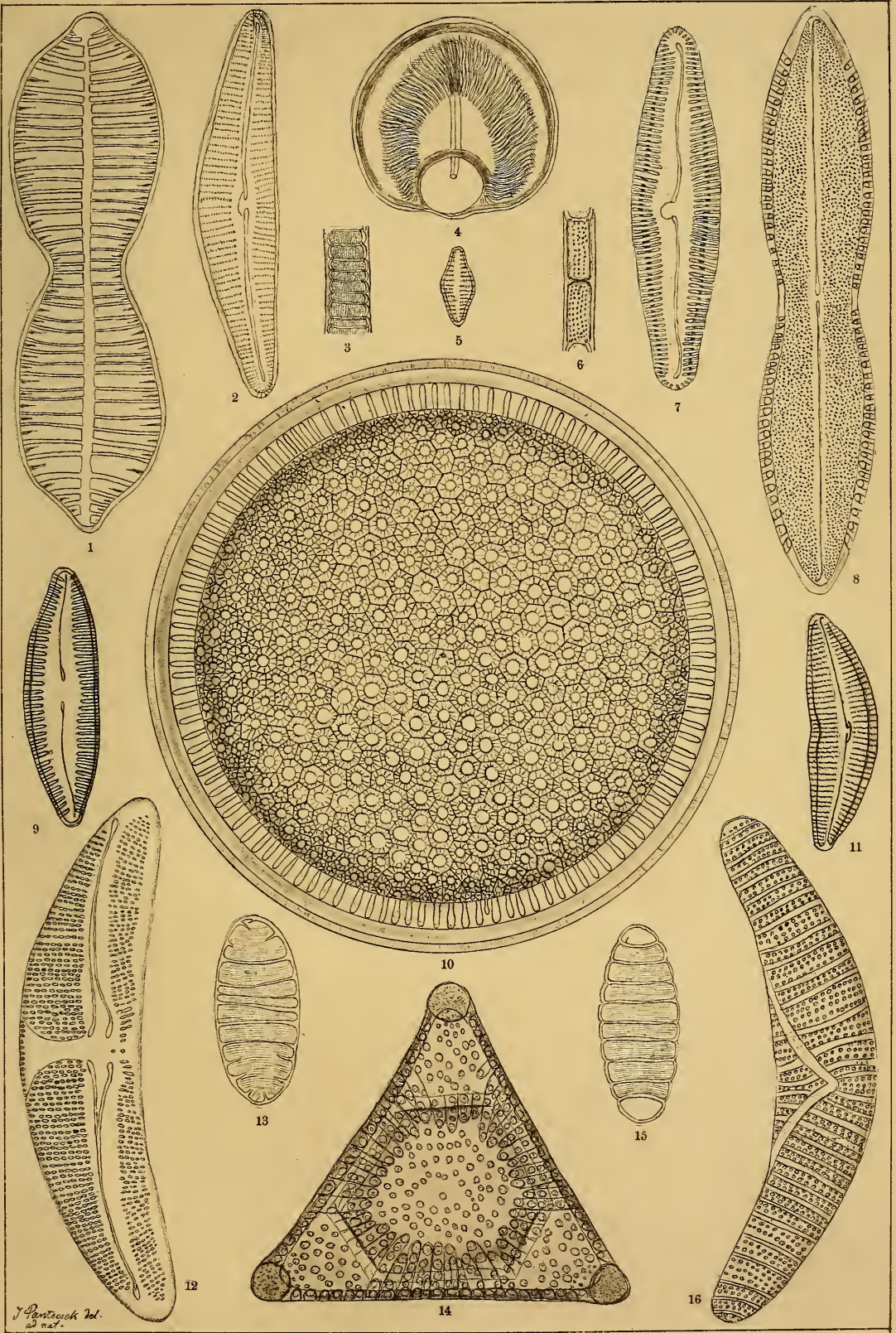
COMITATSPHYSICUS IN TAVARNOK.

NAGY-TAPOLCSÁNY.

BUCHDRUCKEREI VON JULIUS PLATZKO
1892.

Tafel I.

- | | |
|---|--|
| 1. <i>Surirella transylvanica</i> n. s. | <i>Bodos</i> |
| 2. <i>Cymbella Kochii</i> n. s. | <i>Bodos</i> |
| 3. <i>Melosira scala</i> (E.) Grun. | <i>Bory</i> |
| 4. <i>Van Heurkella admirabilis</i> n. g. et. sp. | <i>Jackson Paddock</i> ⁶⁰⁰ / ₁ |
| 5. <i>Staurosira construens</i> E. | <i>Bory</i> |
| 6. <i>Melosira granulata</i> (E.) Ralfs var. <i>boryana</i> n. v. | <i>Bory</i> |
| 7. <i>Navicula transylvanica</i> n. s. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 8. <i>Pseudodictyoneis hungarica</i> Cleve | <i>Kavna Bremia</i> ⁶⁰⁰ / ₁ |
| 9. <i>Cymbella</i> (<i>austriaca</i> Grun var?) <i>latestriata</i> n. s. | <i>Bory</i> |
| 10. <i>Coscinodiseus japonicus</i> n. s. | <i>Wembets</i> ⁴⁵² / ₁ |
| 11. <i>Cymbella austriaca</i> Grun. var. <i>excisa</i> Grun. | <i>Bory</i> |
| 12. <i>Amphora transylvanica</i> n. s. | <i>Bodos</i> ⁶⁰⁰ / ₁ |
| 13. <i>Stylobibulum ovale</i> n. s. | <i>Sentenai</i> |
| 14. <i>Triceratium Rzehakii</i> n. s. | <i>Nikolsburg</i> ⁶⁰⁰ / ₁ |
| 15. <i>Stylobibulum polygibbum</i> n. s. | <i>Sentenai</i> |
| 16. <i>Epithemia transylvanica</i> n. s. | <i>Bodos</i> |
- Vergrößerung ⁸³²/₁

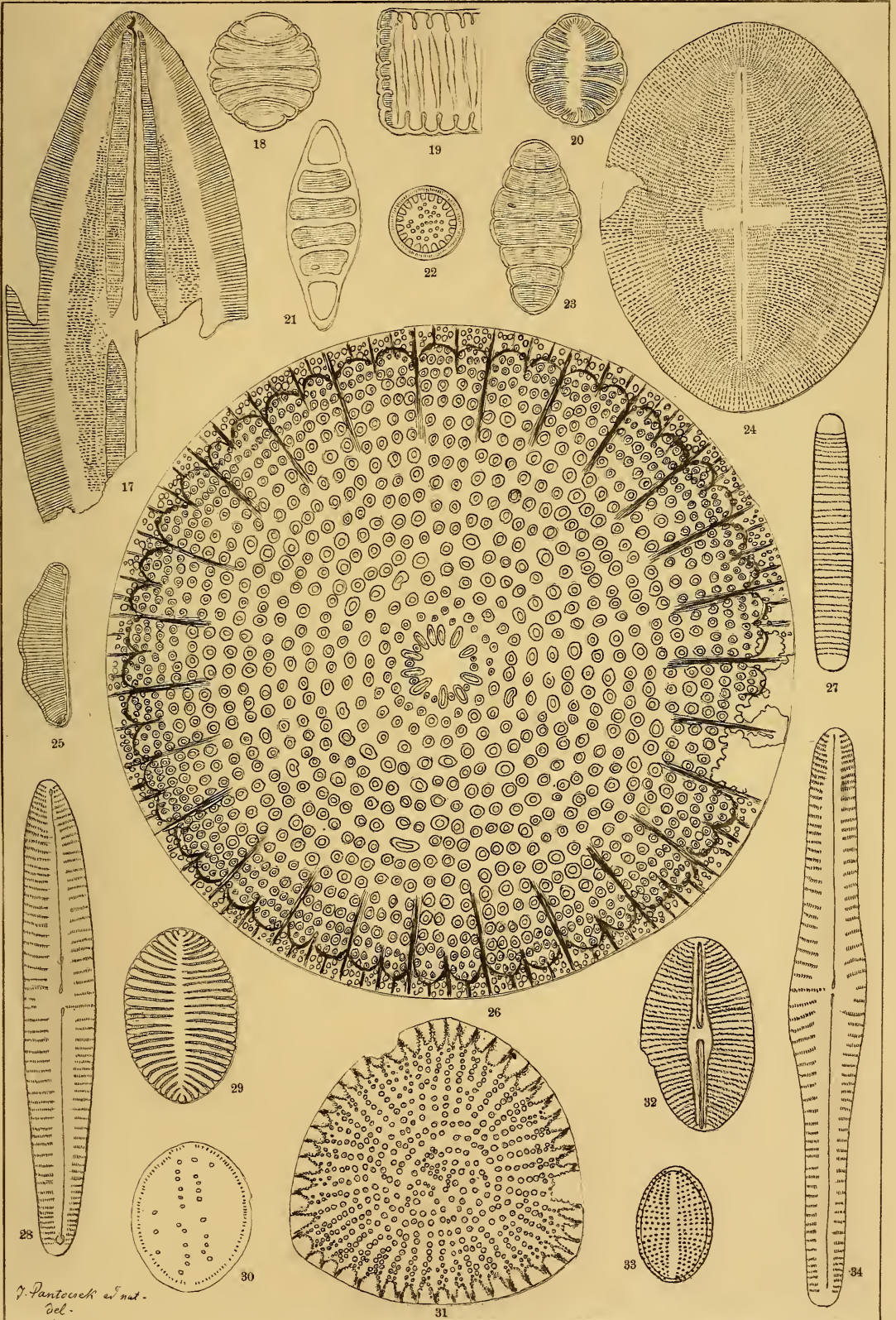


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Tafel II.

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| 17. <i>Navicula illustra</i> n. s. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 18. <i>Stylobibulum japonicum</i> n. s. | <i>Sentenai</i> |
| 19. <i>Stylobibulum polygibbum</i> n. s. | <i>Sentenai</i> |
| 20. <i>Stylobibulum Haradaae</i> n. s. | <i>Sentenai</i> |
| 21. <i>Stilobibulum Jimboi</i> n. s. | <i>Sentenai</i> |
| 22. <i>Cyclotella pygmea</i> n. s. | <i>Köpecz</i> |
| 23. <i>Stylobibulum inflatum</i> n. s. | <i>Sentenai</i> |
| 24. <i>Cocconeis Jimboi</i> n. s. | <i>Wembets</i> ⁶⁰⁰ / ₁ |
| 25. <i>Eunotia japonica</i> n. s. | <i>Sentenai</i> |
| 26. <i>Arachnoidiscus giganteus</i> n. s. | <i>Kusnetzk</i> ⁴⁵² / ₁ |
| 27. <i>Diatoma fossile</i> n. s. | <i>Deménd</i> |
| 28. <i>Gomphonema hungaricum</i> n. s. | <i>Deménd</i> |
| 29. <i>Surirella Jimboi</i> n. s. | <i>Sentenai</i> |
| 30. <i>Cocconeis Kinkerii</i> n. s. | <i>Wembets</i> |
| 31. <i>Stictodiscus Pantocsekii</i> Temp. | <i>Kusnetzk</i> ⁴⁵² / ₁ |
| 32. <i>Navicula elliptica</i> Kg. var. <i>fossilis</i> n. v. | <i>Deménd</i> |
| 33. <i>Cocconeis boryana</i> n. s. | <i>Bory</i> |
| 34. <i>Gomphonema Szabói</i> n. s. | <i>Deménd</i> |

Vergrößerung ⁸³²/₁



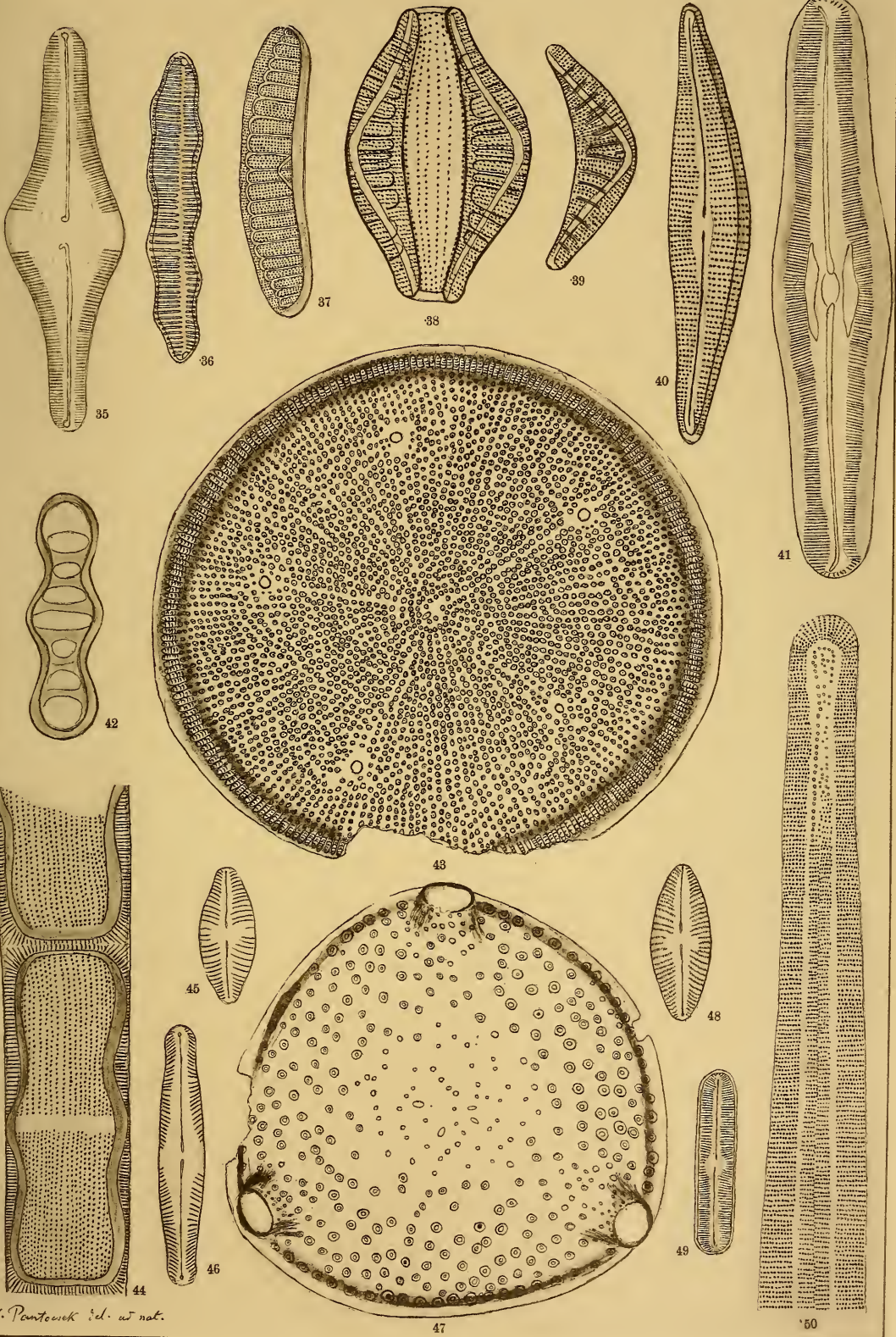
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Tafel III.

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|---|--|
| 35. <i>Navicula bodosensis</i> n. s. | <i>Bodos</i> |
| 36. <i>Eunotia transylvanica</i> n. s. | <i>Köpecz</i> |
| 37. <i>Epithemia Argus</i> (E.) Kg. var. <i>fossilis</i> n. v. | <i>Köpecz</i> |
| 38, 39. <i>Ephitemia cistula</i> (E.) Grun. var. <i>lunaris</i> Grun. | <i>Bory</i> |
| 40. <i>Cymbella cistula</i> (E.) Hempr. var. <i>hungarica</i> n. v. | <i>Bory</i> |
| 41. <i>Navicula Kanitzii</i> n. s. | <i>Köpecz</i> |
| 42. <i>Tetracyclus lacustris</i> Ralfs var. <i>fossilis</i> n. v. | <i>Bory</i> |
| 43. <i>Aulacodiscus boryanus</i> Pant. | <i>Bory</i> ⁴⁵² / ₁ |
| 44. <i>Melosira undulata</i> (E.) Kg. | <i>Farkasfalva</i> |
| 45. <i>Navicula exigua</i> Greg. | <i>Magyar-Hermány</i> |
| 46. <i>Navicula appendiculata</i> (Ag.) Kg. | <i>Magyar-Hermány</i> |
| 47. <i>Triceratium suborbiculare</i> Pant. | <i>Nagy-Kürtös</i> ⁶⁰⁰ / ₁ |
| 48. <i>Navicula gastrum</i> (E.) Donk. | <i>Magyar-Hermány</i> |
| 49. <i>Navicula bacilliformis</i> Grun. | <i>Magyar-Hermány</i> |
| 50. <i>Clavicula Kinkerii</i> n. s. | <i>Bory</i> |

Vergrößerung ⁸³²/₁



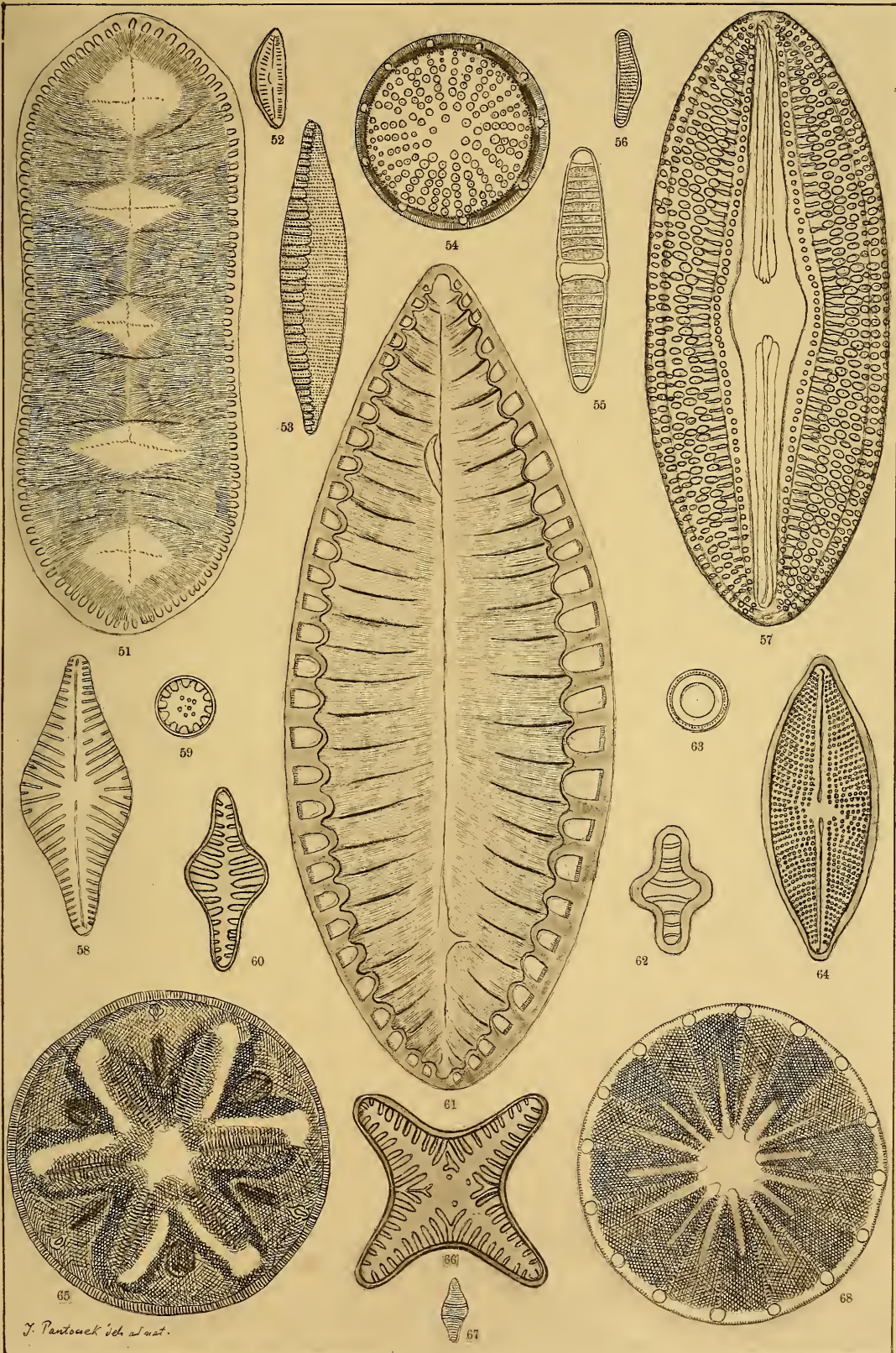


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Tafel IV.

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|---|--------------------------|
| 51. Cymatopleura Kinkerii n. s. | <i>Köpecz</i> 500/1 |
| 52. Cymbella affinis Kg. | <i>Farkasfalva</i> |
| 53. Nitzschia bicuspidata Pant. | <i>Aranyós</i> |
| 54. Coscinodiscus Jimboi n. s. | <i>Wembets</i> 600/1 |
| 55. Plagiogramma? boryanum Pant. | <i>Bory</i> |
| 56. Eunotia exigua (Bréb.) Grun. | <i>Farkasfalva</i> |
| 57. Navicula Budayana n. s. | <i>Köpecz</i> |
| 58. Navicula Gurovii n. s. | <i>Köpecz</i> |
| 59. Cyclotella pygmea n. s. | <i>Köpecz</i> |
| 60. Staurosira Harrisonii (W. Sm). Grun. | <i>Bory</i> |
| 61. Surirella Kellerii n. s. | <i>Köpecz</i> 500/1 |
| 62. Tetracyclus lacustris Ralfs var. fossilis n. v. | <i>Deménd</i> 452/1 |
| 63. Melosira japonica n. s. | <i>Sentenäi</i> |
| 64. Navicula Neumayerii nov. s. | <i>Bory</i> |
| 65. Actinoptychus Schmidtii Pant. | <i>Bory</i> 600/1 |
| 66. Staurosira Grunowii n. s. | <i>Bory</i> |
| 67. Fragilaria bivittata n. s. | <i>Sentenäi</i> |
| 68. Actinoptychus Semseyi Pant. | <i>Nagy-Kürtös</i> 600/1 |

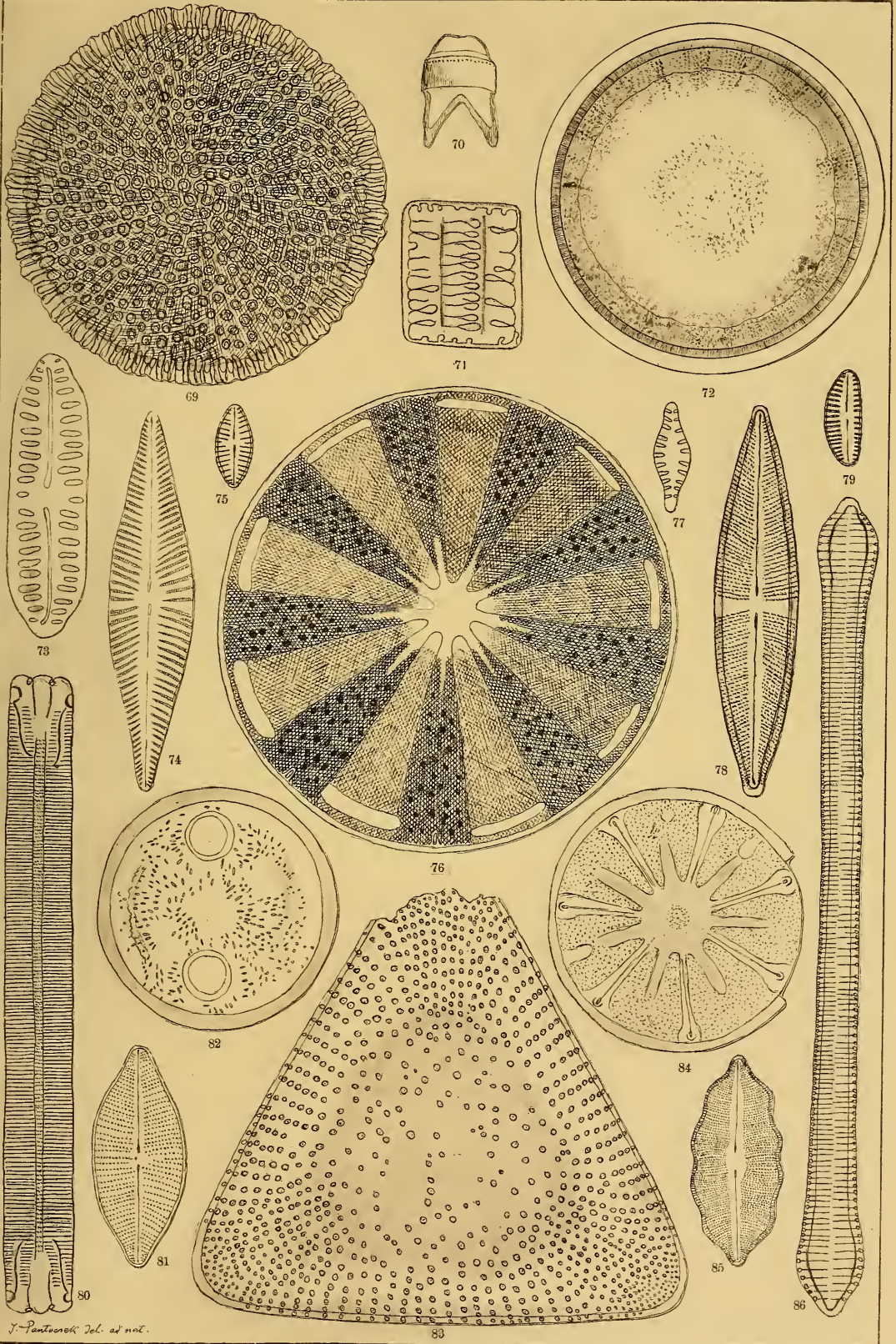
Vergrößerung 332/1



Tafel V.

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|--|---|
| 69. <i>Endietya Schmidtii</i> Pant. | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |
| 70. <i>Dycladia japonica</i> n. s. | <i>Wembets</i> ⁶⁰⁰ / ₁ |
| 71. <i>Tetracyclus lacustris</i> Ralfs var. <i>fossilis</i> n. v. | <i>Deménd</i> ⁴⁵² / ₁ |
| 72. <i>Hyalodiscus ruscicus</i> Pant. | <i>Ananino</i> ⁶⁰⁰ / ₁ |
| 73. <i>Navicula borealis</i> (E.) Kg. var. <i>fossilis</i> n. v. | <i>Köpecz</i> |
| 74. <i>Navicula hasta</i> n. sp. | <i>Köpecz</i> |
| 75. <i>Navicula pumila</i> Grun. var. <i>fossilis</i> n. v. | <i>Deménd</i> |
| 76. <i>Actinoptychus glabratus</i> Gr. var. <i>andesitica</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 77. <i>Staurosira Harrisonii</i> (W. S. m.) Gr. var. <i>fossilis</i> n. v. | <i>Mocsár</i> |
| 78. <i>Stauroneis boryana</i> n. s. | <i>Bory</i> |
| 79. <i>Cymbella obtusa</i> n. s. | <i>Bory</i> |
| 80. <i>Eunotia flexuosa</i> Kg. var. <i>trachytica</i> n. v. | <i>Bory</i> |
| 81. <i>Navicula Jimboi</i> n. s. | <i>Sentenäi</i> |
| 82. <i>Auliscus Lóczyi</i> n. s. | <i>Kavna Bremia</i> ³³² / ₁ |
| 83. <i>Triceratium Smithii</i> Pant. | <i>Kusnetzke</i> ⁶⁰⁰ / ₁ |
| 84. <i>Actinodictyon Weissflogii</i> n. s. | <i>Ananino</i> ⁶⁰⁰ / ₁ |
| 85. <i>Navicula polygibba</i> n. s. | <i>Kavna Bremia</i> ⁶⁰⁰ / ₁ |
| 86. <i>Synedra transylvanica</i> n. s. | <i>Köpecz</i> |

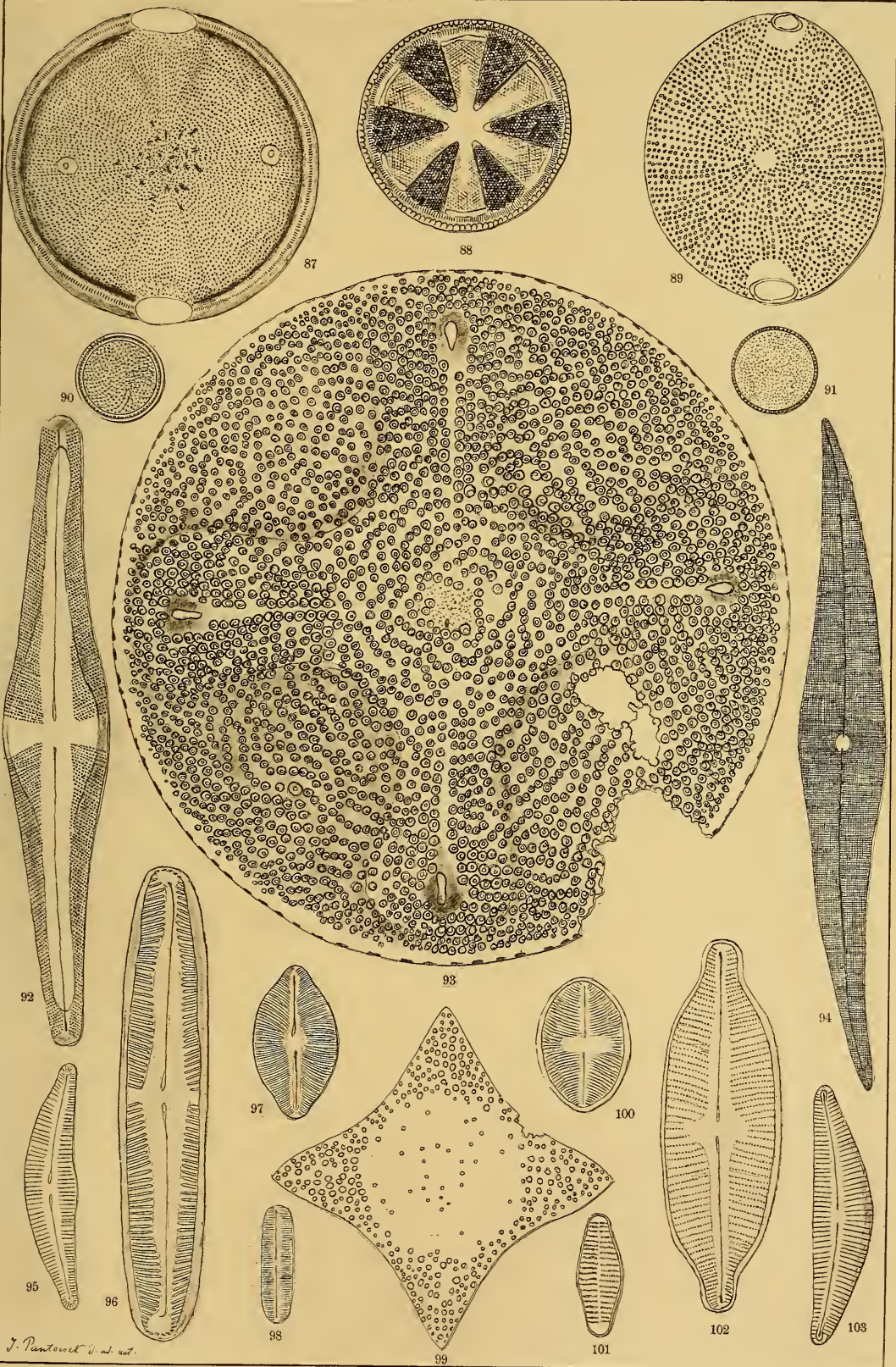
Vergrößerung ⁸³²/₁



Tafel VI.

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| 87. Pseudocerataulus Kochii n. s. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 88. Actinoptychus Staubii Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 89. Odontella boryana Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 90. Melosira excentrica n. s. | <i>Sentenai</i> |
| 91. Melosira hokkaidoana n. s. | <i>Sentenai</i> |
| 92. Stauroneis Kochii n. s. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 93. Aulacodiscus Tschestnovii Pant. | <i>Kusnetzk</i> ⁶⁰⁰ / ₁ |
| 94. Pleurosigma transylvanicum n. s. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 95. Cymbella inflata n. s. | <i>Sentenai</i> |
| 96. Navicula viridis (E) Kg. var. staurofora n. v. | <i>Magyar-Hermány</i> |
| 97. Navicula arcuata n. s. | <i>Sentenai</i> |
| 98. Navicula debilis n. s. | <i>Sentenai</i> |
| 99. Triceratium lanceolatum Pant. | <i>Kusnetzk</i> ⁴⁵² / ₁ |
| 100. Navicula Haradaae n. s. | <i>Sentenai</i> |
| 101. Fragilaria japonica n. s. | <i>Sentenai</i> |
| 102. Navicula styriaca Grun. | <i>Bory</i> |
| 103. Cymbella turgida Greg. | <i>Bory</i> |

Vergrößerung ⁸³²/₁

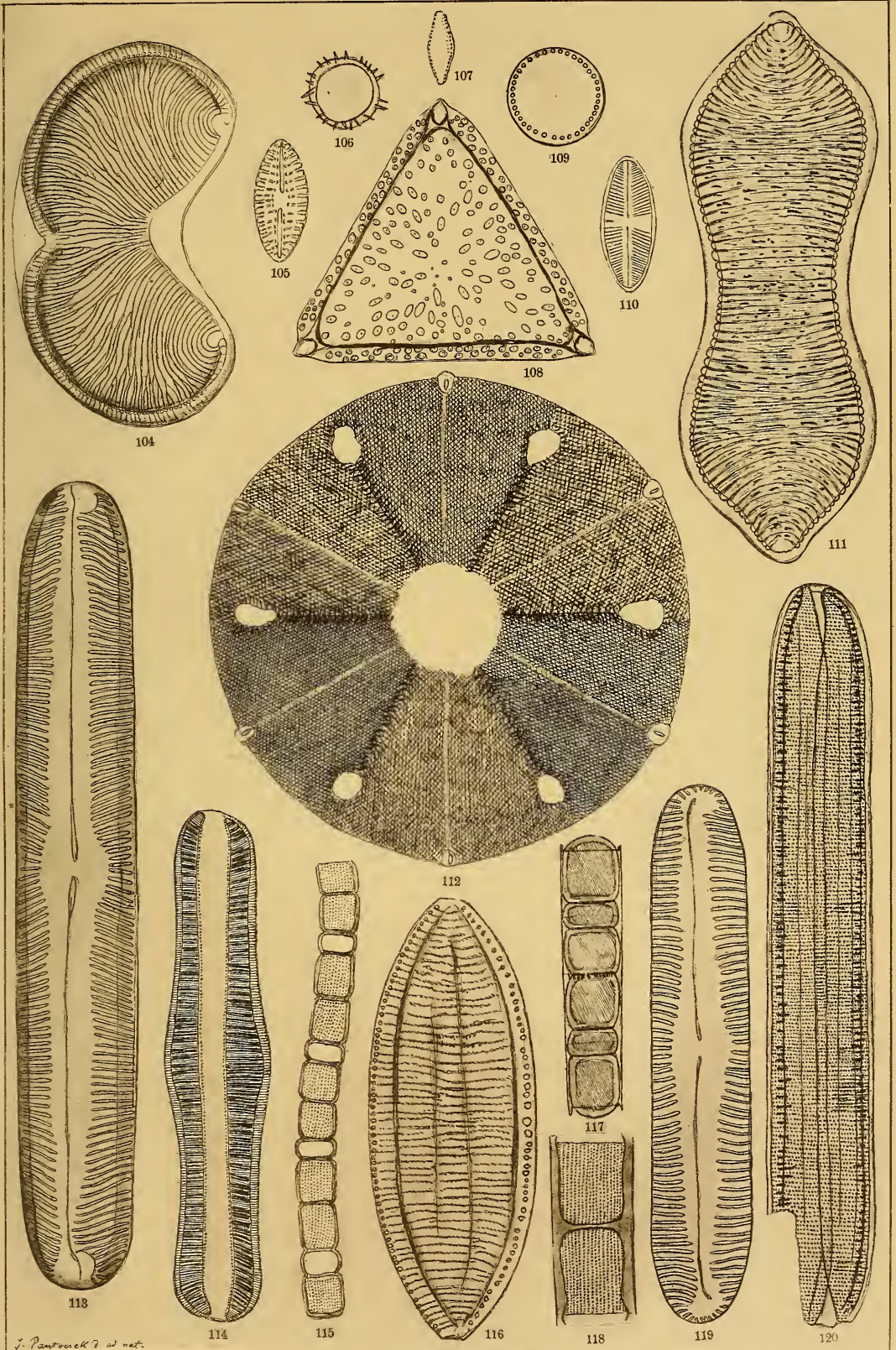


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Tafel ^vVIII.

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| 104. <i>Auricula Szontághii</i> n. s. | <i>Borostelek</i> ⁶⁰⁰ / ₁ |
| 105. <i>Navicula Maulerii</i> Brun | <i>Bodos</i> |
| 106. <i>Melosira granulata</i> (E.) Ralfs | <i>Hidas</i> |
| 107. <i>Fragilaria brevistriata</i> Grun. | <i>Farkasfalva</i> |
| 108. <i>Trinacria Semseyi</i> Pant. | <i>Kusnetzke</i> ⁶⁰⁰ / ₁ |
| 109. <i>Melosira granulata</i> (E.) Ralfs var. borealis n. v. | <i>Farkasfalva</i> |
| 110. <i>Navicula asymetrica</i> n. s. | <i>Sentenai</i> |
| 111. <i>Surirella Kochii</i> n. s. | <i>Bodos</i> |
| 112. <i>Actinoptychus Petittii</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 113. <i>Navicula major</i> Kg. var. andesitica n. v. | <i>Bory</i> |
| 114. <i>Epithemia ventricosa</i> Kg. var. hungarica n. v. | <i>Magyar-Hermány</i> |
| 115. <i>Melosira crenulata</i> Kg. var. hungarica n. v. | <i>Köpecz</i> |
| 116. <i>Nitzschia Tryblionella</i> Hantz. var. maxima Grun. | <i>Bory</i> |
| 117. <i>Melosira lævis</i> (E.) Grun. | <i>Magyar-Hermány</i> |
| 118. <i>Melosira undulata</i> (E.) Kg var. minor Pant | <i>Bory</i> |
| 119. <i>Navicula viridis</i> (E.) Kg. | <i>Magyar-Hermány</i> |
| 120. <i>Nitzschia spectabilis</i> (E.) Grun. | <i>Bory</i> ⁴⁵² / ₁ |

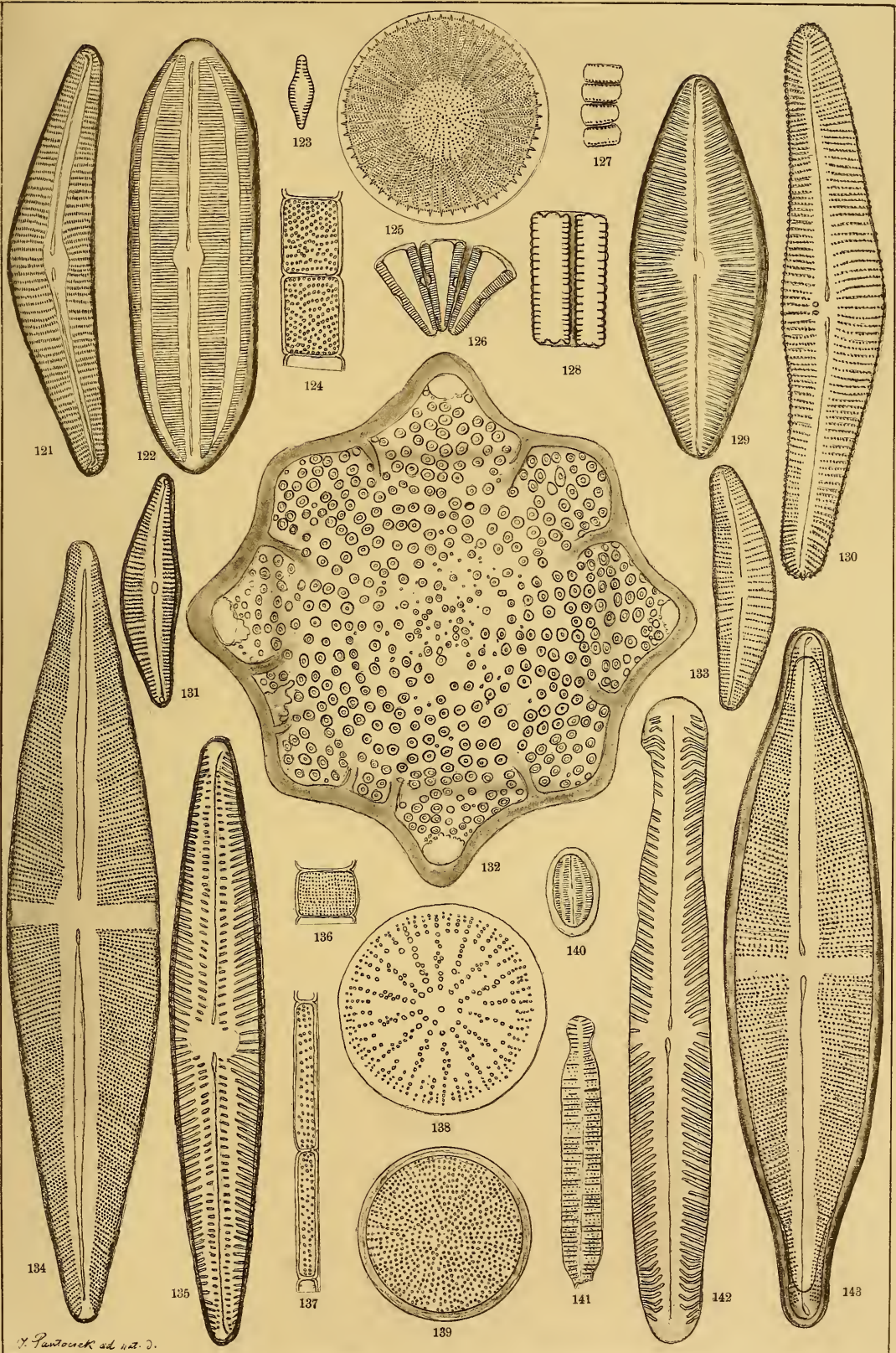
Vergrößerung ⁸³²/₁



Tafel VIII.

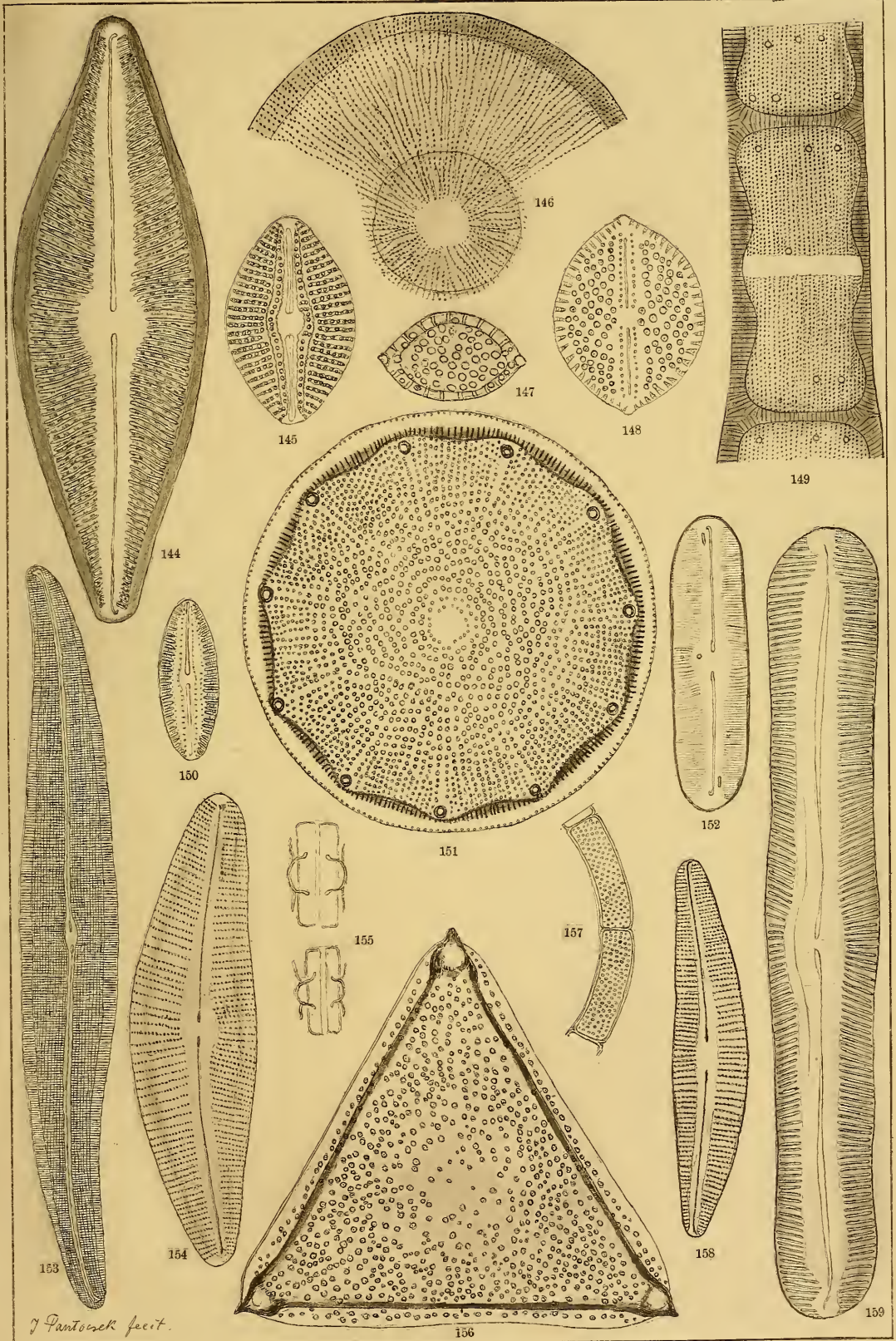
121. <i>Cymbella Rákóczyana</i> n. s.	<i>Köpecz</i>
122. <i>Navicula latevittata</i> n. s.	<i>Bodos</i>
123, 127. <i>Staurosira Venter</i> (E.) Grun.	<i>Deménd</i>
124. <i>Melosira Haradaae</i> n. s.	<i>Sentenai</i>
125. <i>Stephanodiscus transylvanicus</i> n. s.	<i>Köpecz</i>
126. <i>Peronia?</i> <i>boryana</i> n. s.	<i>Bory</i>
128. <i>Fragilaria hungarica</i> n. s.	<i>Deménd</i>
129. <i>Navicula basilica</i> n. s.	<i>Bodos</i>
130. <i>Cymbella Jimboi</i> n. s.	<i>Sentenai</i>
131. <i>Cymbella Staubii</i> n. s.	<i>Bory</i>
132. <i>Triceratium Dutertrei</i> Pant. et Temp.	<i>Kusnetzki</i> ⁴⁵² / ₁
133. <i>Cymbella austriaca</i> Grun. var. <i>fossilis</i> n. v.	<i>Deménd</i>
134. <i>Stauroneis phœnicenteron</i> E.	<i>Magyar-Hermány</i>
135. <i>Navicula Hauerii</i> Grun.	<i>Bory</i>
136. <i>Melosira hokkaidoana</i> n. s.	<i>Sentenai</i>
137. <i>Melosira japonica</i> n. s.	<i>Sentenai</i>
138. <i>Coccinodiscus transylvanicus</i> n. s.	<i>Bodos</i>
139. <i>Coccinodiscus Haradaae</i> n. s.	<i>Sentenai</i> ¹⁰⁶⁶ / ₁
140. <i>Cocconeis lineata</i> (E.) Grun. var. <i>pygmea</i> n. v.	<i>Köpecz</i>
141. <i>Diatoma anceps</i> (E.) Grun. var. <i>fossilis</i> n. v.	<i>Sentenai</i>
142. <i>Navicula oblonga</i> Kg.	<i>Magyar-Hermány</i>
143. <i>Stauroneis Szontághii</i> n. s.	<i>Bory</i>

Vergrößerung ⁸³²/₁



Tafel IX.

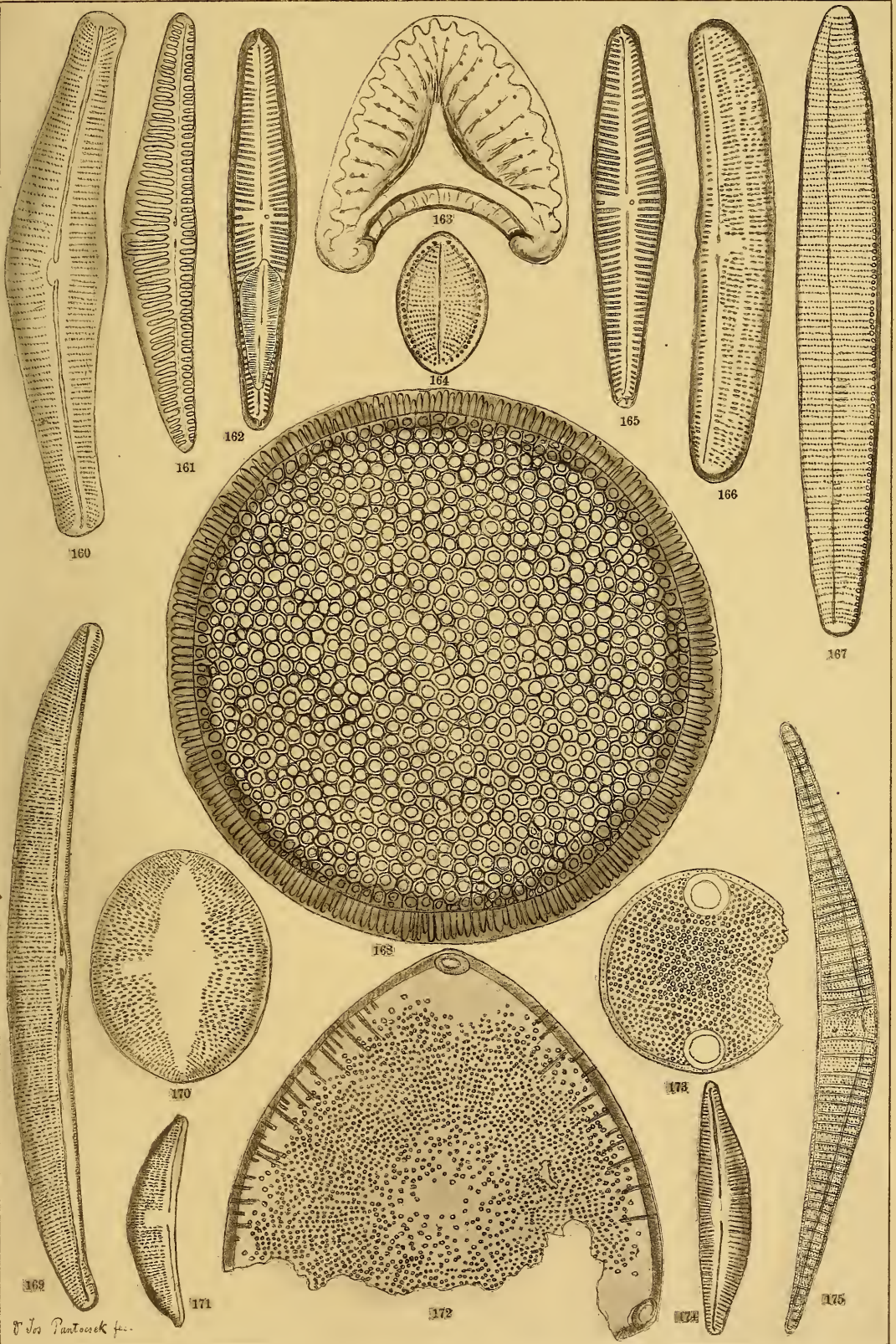
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| 144. <i>Navicula paludinarum</i> n. s. | <i>Bodos</i> ⁸³² / ₁ |
| 145. <i>Navicula ostracodarum</i> n. s. | <i>Köpecz</i> ⁷⁴⁵ / ₁ |
| 146, 149. <i>Melosira undulata</i> (E.) Kg. | <i>Bory</i> ¹⁰⁶⁶ / ₁ |
| 147. <i>Biddulphia Grovei</i> n. s. | <i>Oamaru</i> ⁸³² / ₁ |
| 148. <i>Orhoneis Pethői</i> n. s. | <i>Nyermegy</i> ⁸³² / ₁ |
| 150. <i>Navicula Maulerii</i> Brun. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 151. <i>Aulacodiscus notabilis</i> Pant. | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |
| 152. <i>Navicula trinotata</i> n. s. | <i>Köpecz</i> ³³² / ₁ |
| 153. <i>Pleurosigma Kochii</i> n. s. | <i>Köpecz</i> ⁴⁵² / ₁ |
| 154. <i>Cymbella valida</i> n. s. | <i>Deménd</i> ⁸³² / ₁ |
| 155. <i>Stigmaphora</i> ? <i>hungarica</i> n. s. | <i>Borostelek</i> ⁶⁰⁰ / ₁ |
| 156. <i>Trinacria Tschestnovii</i> Pant. | <i>Kusnetzki</i> ⁴⁵² / ₁ |
| 157. <i>Melosira arcuata</i> n. s. | <i>Sentenai</i> ⁸³² / ₁ |
| 158. <i>Cymbella helvetica</i> Kg. var. <i>fossilis</i> n. v. | <i>Farkasfalva</i> ⁸³² / ₁ |
| 159. <i>Navicula nobilis</i> Kg. var. <i>neogena</i> Grun. | <i>Bory</i> ⁶⁰⁰ / ₁ |



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Tafel ^vX.

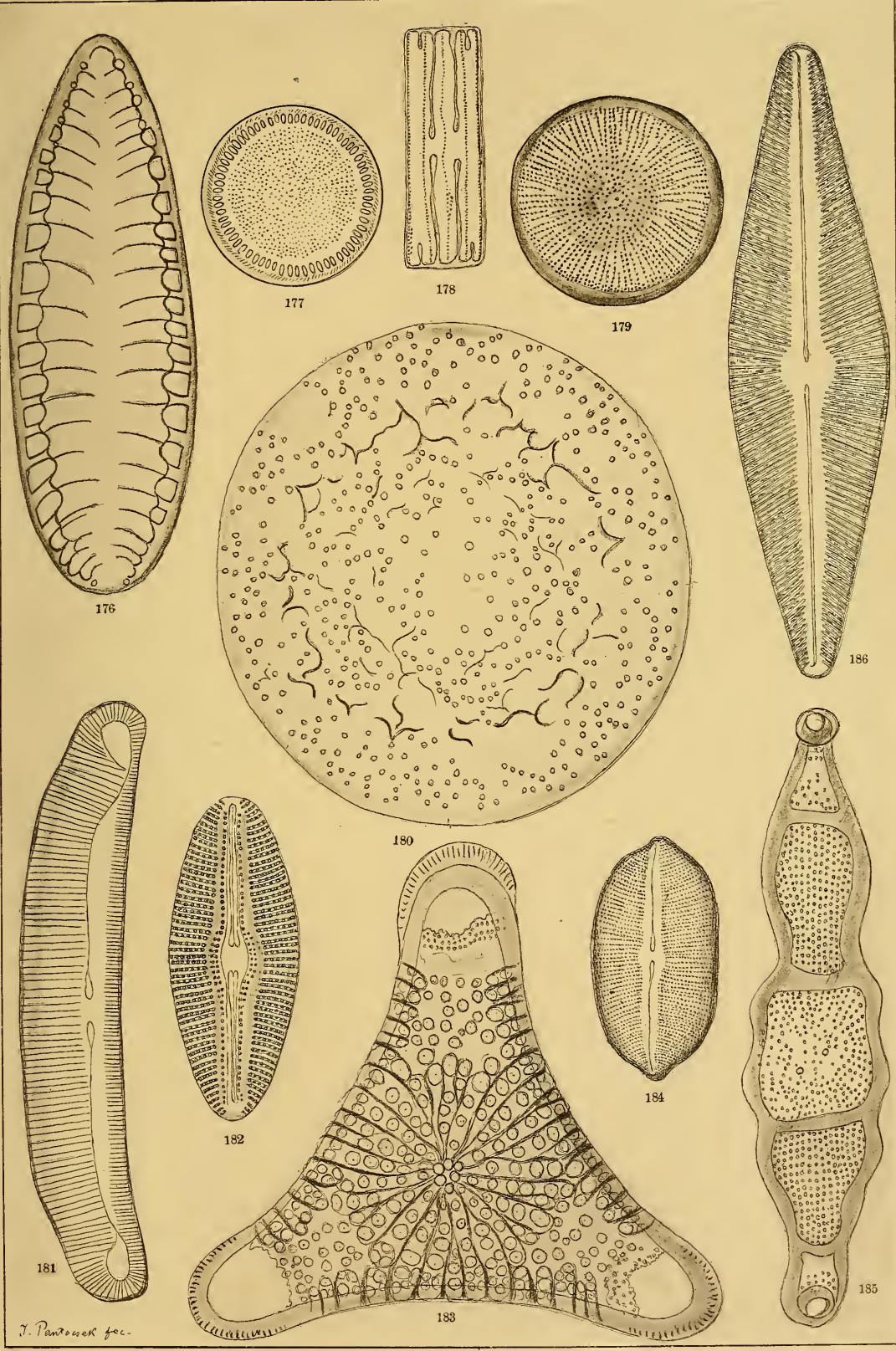
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| 160. <i>Cymbella capitata</i> n. s. | <i>Bodos</i> 832/1 |
| 161. <i>Cymbella Szontághii</i> n. s. | <i>Borostelek</i> 600/1 |
| 162, 165. <i>Gomphonema Kinkerii</i> n. s. | <i>Köpecz</i> 746/1 |
| 163. <i>Campylodiscus hibernicus</i> E. v. <i>transylvanicus</i> n. v. | <i>Köpecz</i> 832/1 |
| 164. <i>Cocconeis californica</i> Grun. var. <i>hungarica</i> n. v. | <i>Bory</i> 1066/1 |
| 166. <i>Amphora verrucosa</i> n. s. | <i>Köpecz</i> 746/1 |
| 167. <i>Nitzschia transylvanica</i> n. s. | <i>Köpecz</i> 832/1 |
| 168. <i>Endictya Lunyacsekii</i> Pant. | <i>Nagy-Kürtös</i> 452/1 |
| 169. <i>Amphora Kossuthii</i> n. s. | <i>Nyermegy</i> 500/1 |
| 170. <i>Cocconeis andesitica</i> Pant. | <i>Bory</i> 832/1 |
| 171. <i>Amphora Staubii</i> n. s. | <i>Köpecz</i> 600/1 |
| 172. <i>Triceratium Peragalloii</i> Pant. et Temp. | <i>Kusnetzki</i> 600/1 |
| 173. <i>Pseudoauliscus granulatus</i> n. s. | <i>Ananino</i> 600/1 |
| 174. <i>Cymbella cymbiformis</i> E. | <i>Deménd</i> 832/1 |
| 175. <i>Epithemia gibberula</i> Grun. var. <i>perlonga</i> Pant. | <i>Bory</i> 600/1 |



J. S. Pantocsek fecit.

Tafel **XI.**

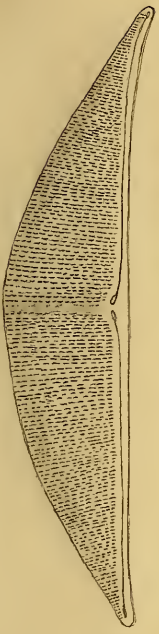
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|---|--|
| 176. <i>Surirella tenera</i> Greg. var. fossilis n. v. | <i>Bory</i> |
| 177. <i>Cyclotella transylvanica</i> n. s. | <i>Köpecz</i> |
| 178. <i>Grammatophora monilifera</i> Temp. Brun. | <i>Wembets</i> ⁶⁰⁰ / ₁ |
| 179. <i>Melosira hungarica</i> n. s. | <i>Demend</i> |
| 180. <i>Acanthodiscus rugosus</i> n. g. et. s. | <i>Kusnetzki</i> ⁶⁰⁰ / ₁ |
| 181. <i>Amphora strigata</i> n. s. | <i>Sentenai</i> |
| 182. <i>Navicula praeclara</i> n. s. | <i>Köpecz</i> ⁷⁴⁶ / ₁ |
| 183. <i>Triceratium Armaševskii</i> n. s. | <i>Kusnetzki</i> ⁶⁰⁰ / ₁ |
| 184. <i>Navicula conspersa</i> n. s. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 185. <i>Biddulphia Tuomeyi</i> (Bail.) Rop. var. boryana Pant. | <i>Bory</i> |
| 186. <i>Navicula palludinarum</i> n. s. var. gracilior | <i>Bodos</i> ⁶⁰⁰ / ₁ |
- Vergrößerung ⁸³²/₁



J. Pantoušek fec.

Tafel XIII.

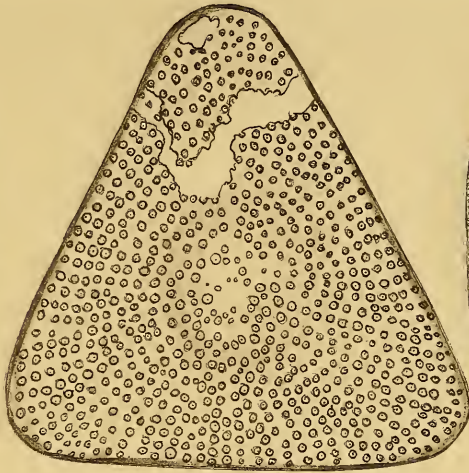
187. *Amphora acuta* Greg var. *neogena* Pant. *Bory*
188. *Navicula curtestriata* n. s. *Köpecz* ⁶⁰⁰/₁
189. *Triceratium triasicum* Pant. *Kusnetzki* ⁶⁰⁰/₁
190. *Amphora intersecta* A. Schm. *Borostelek* ⁶⁰⁰/₁
191. *Surirella verrucosa* n. s. *Bodos*
192. *Actinoptychus Pethői* Pant. *Nagy-Kürtös* ⁶⁰⁰/₁
193. *Navicula viridis* (E.) Kg. var. *fossilis* n. v. *Bory*
194. *Navicula styriaca* Grun. *Bory*
195. *Triceratium speciosum* n. s. *Kusnetzki* ⁶⁰⁰/₁
196. *Navicula Toulaeae* n. s. *Köpecz*
197. *Eunotia pectinalis* (Kg.) Rbh. var. *trachytica* n. v. *Bory*
Vergrosserung ⁸³²/₁



187



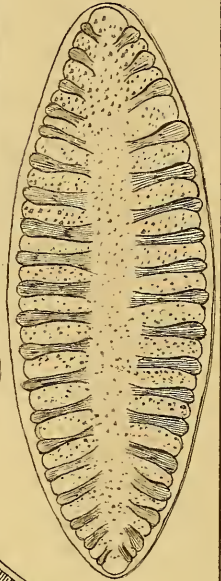
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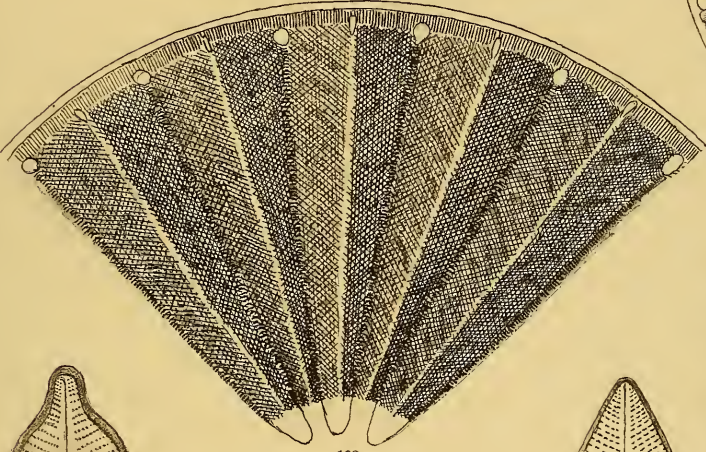
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190



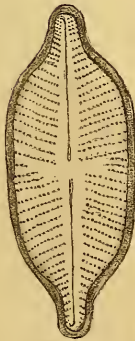
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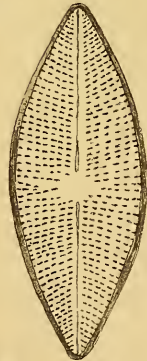
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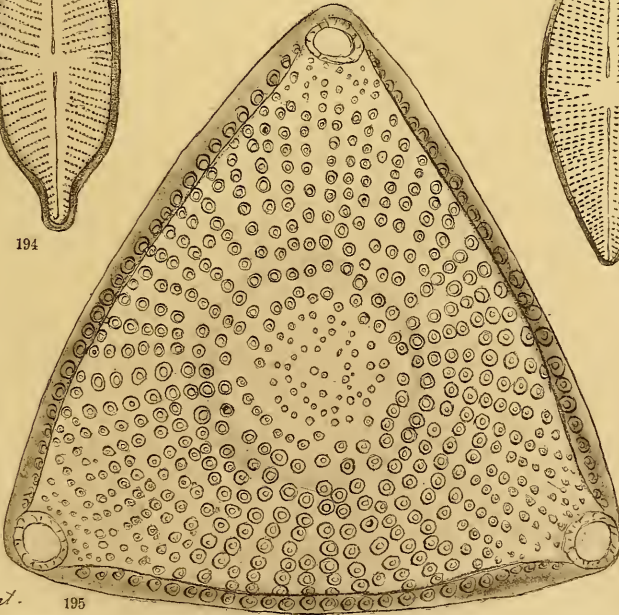
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196



195

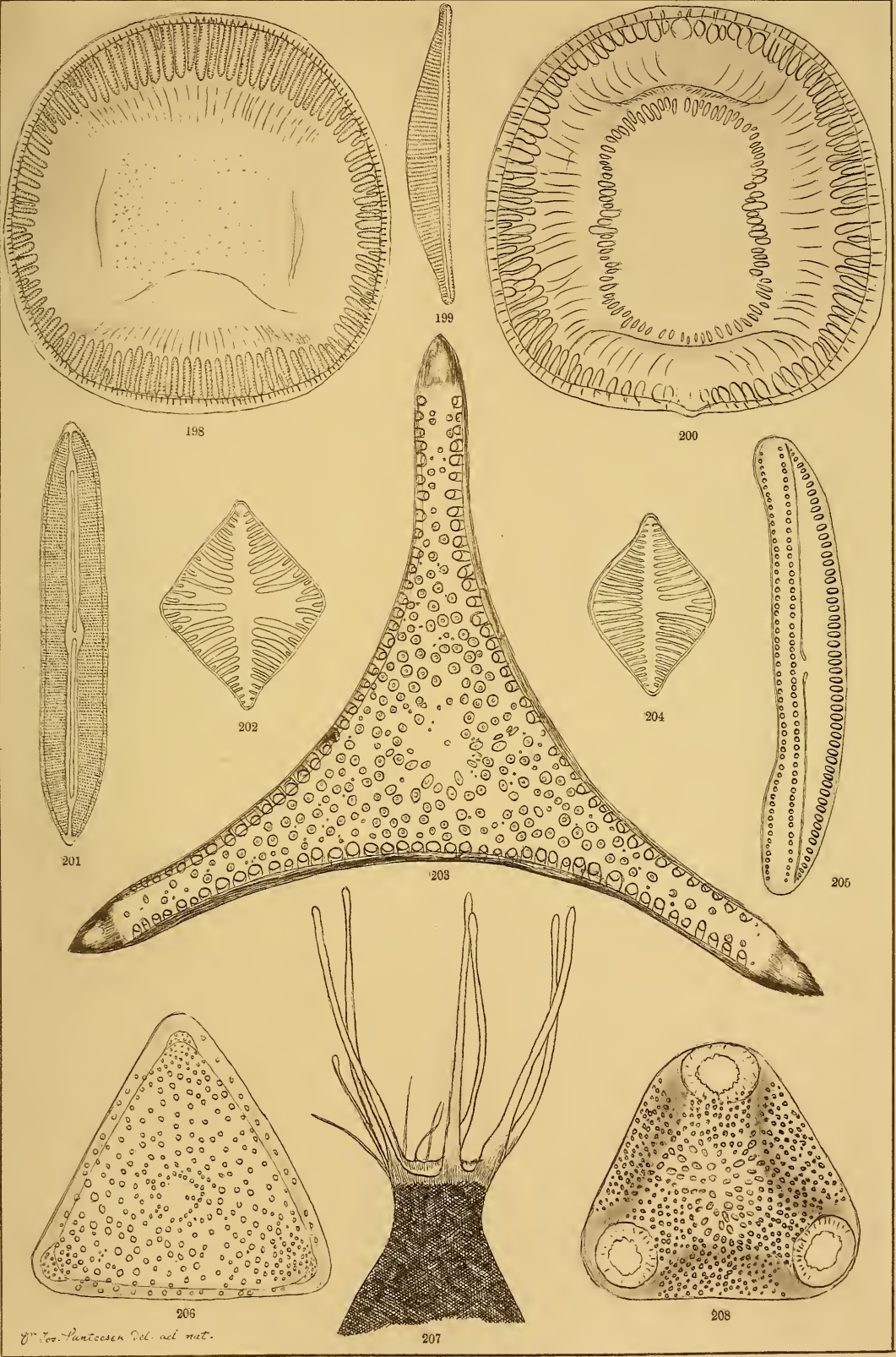


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J. Pantowak fec. 2 net.

Tafel **XIII.**

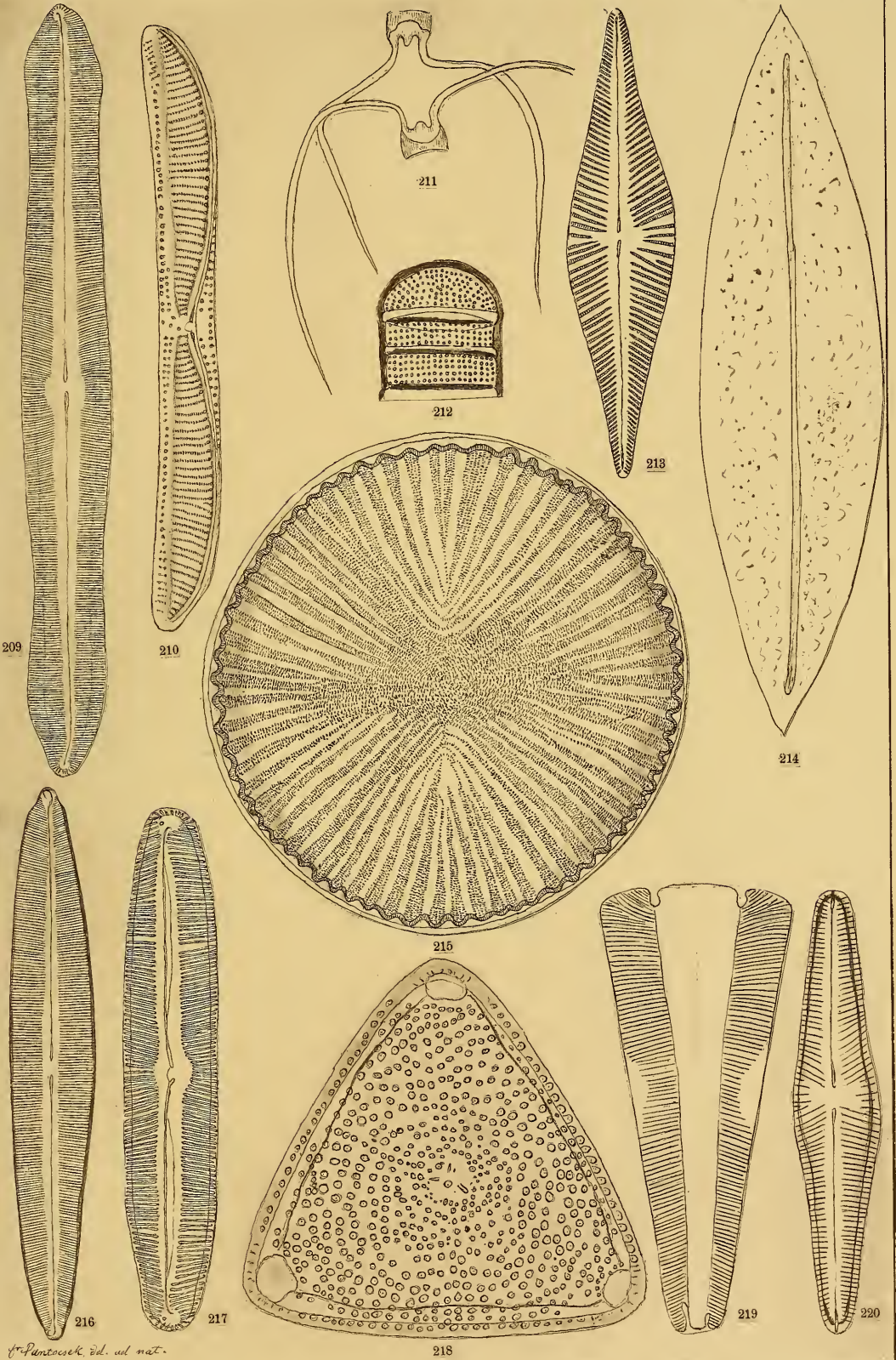
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|--|--------------------------------|
| 198. <i>Campylodiscus Eulensteini</i> Pant. | <i>Nagy-Kürtös</i> 600/1 |
| 199. <i>Amphora juvenalis</i> n. s. | <i>Izsoallaga-Serges</i> 900/1 |
| 200. <i>Campylodiscus Kidstonii</i> Pant. | <i>Bory</i> 600/1 |
| 201. <i>Navicula includens</i> n. s. | <i>Izsoallaga-Serges</i> 900/1 |
| 202. <i>Achnanthes baldjickii</i> (Brg.) Gr. v. <i>subquadrata</i> n. v. | <i>Borostelek</i> 900/1 |
| 203. <i>Trinaccia excavata</i> Hbg. var. <i>producta</i> Pant. | <i>Ananino</i> 680/1 |
| 204. <i>Achnanthes baldjickii</i> (Bright) Grun. | <i>Nyermegy</i> 900/1 |
| 205. <i>Amphora andesitica</i> n. s. | <i>Káránd</i> 900/1 |
| 206. <i>Triceratium fragile</i> n. s. | <i>Kusnetzki</i> 600/1 |
| 207. <i>Zygoceros hungaricus</i> n. s. | <i>Káránd</i> 680/1 |
| 208. <i>Triceratium vastum</i> n. s. | <i>Borostelek</i> 900/1 |



Dr. J. van Santoson Del. vel. nat.

Tafel XIV.

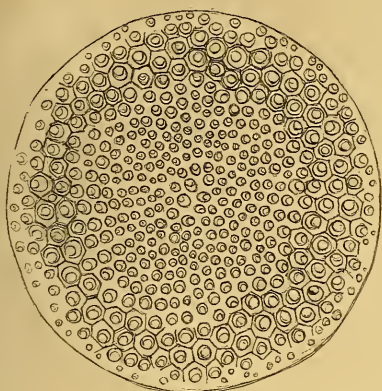
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|---|--------------------------------|
| 209. <i>Navicula perlonga</i> Pant. | <i>Borostelek</i> 320/1 |
| 210. <i>Amphora invidenda</i> n. s. | <i>Izopallaga-Serges</i> 600/1 |
| 211. <i>Chætoceros hungaricus</i> n. s. | <i>Káránd</i> 680/1 |
| 212. <i>Melosira transylvanica</i> n. s. | <i>Köpecz</i> 832/1 |
| 213. <i>Navicula hasta</i> n. s. | <i>Köpecz</i> 832/1 |
| 214. <i>Odontotropis birostrata</i> Pant. | <i>Kusnetzki</i> 600/1 |
| 215. <i>Campylodiscus noricus</i> E. var. <i>fossilis</i> n. s. | <i>Bodos</i> 400/1 |
| 216. <i>Navicula inculta</i> n. s. | <i>Köpecz</i> 832/1 |
| 217. <i>Navicula Gutvinskii</i> n. s. | <i>Bodos</i> 452/1 |
| 218. <i>Triceratium cristatum</i> n. s. | <i>Kusnetzki</i> 600/1 |
| 219, 220. <i>Gomphonema transylvanicum</i> n. s. | <i>Köpecz</i> 832/1 |



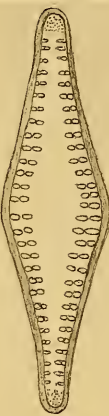
Dr. Puntosek, ed. ul. nat.

Tafel XV.

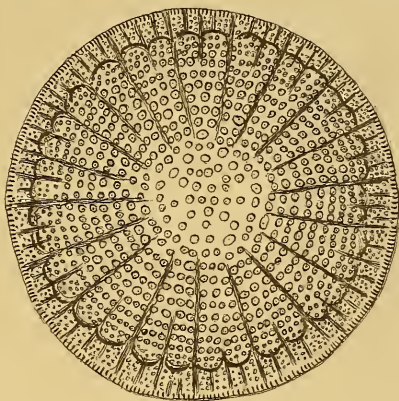
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|--|---|
| 221. <i>Coscinodiscus Asonumaae</i> n. s. | <i>Wembets</i> ³⁶⁰ / ₁ |
| 222. <i>Rhaphoneis Kinkerii</i> n. s. | <i>Izsofallaga-Serges</i> ⁷⁴⁶ / ₁ |
| 223. <i>Arachnoidiscus simbirskianus</i> n. s. | <i>Ananino</i> ⁴⁵² / ₁ |
| 224. <i>Plagiogramma Truanii</i> Pant. | <i>Bory</i> ⁸³² / ₁ |
| 225. <i>Amphora tertiaria</i> Pant. | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |
| 226. <i>Arachnoidiscus russicus</i> Pant. | <i>Kusntezk</i> ⁴⁵² / ₁ |
| 227. <i>Amphora Nova Caledonica</i> Grun. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 228. <i>Amphora staurophora</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 229. <i>Cymbella suavis</i> n. s. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 230. <i>Navicula hilarula</i> n. s. | <i>Köpecz</i> ⁸³² / ₁ |
| 231. <i>Triceratium præferox</i> n. s. | <i>Kusnetz</i> ⁶⁰⁰ / ₁ |
| 232. <i>Navicula præflua</i> n. s. | <i>Bory</i> ⁶⁵⁰ / ₁ |
| 233. <i>Cymbella Budayiana</i> n. s. | <i>Köpecz</i> ⁸³² / ₁ |



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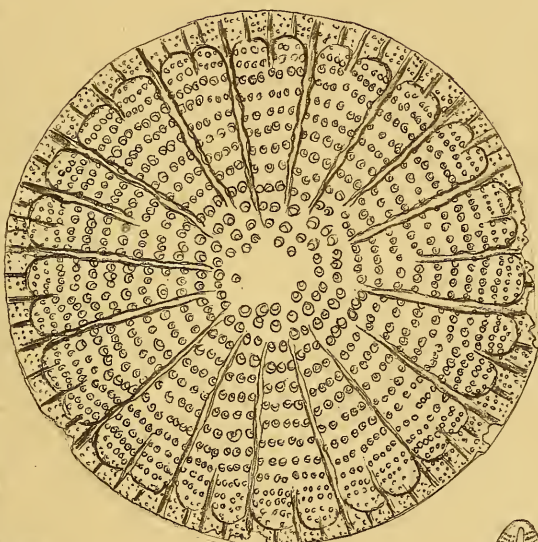
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225



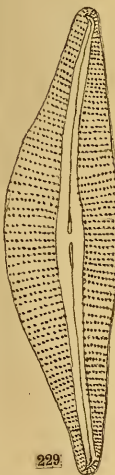
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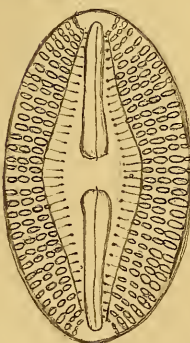
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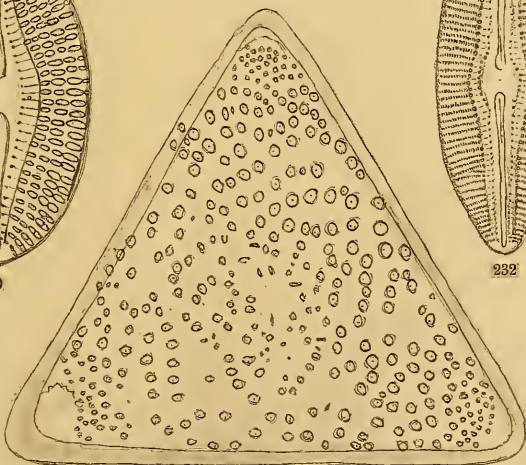
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229



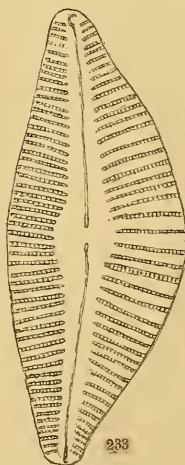
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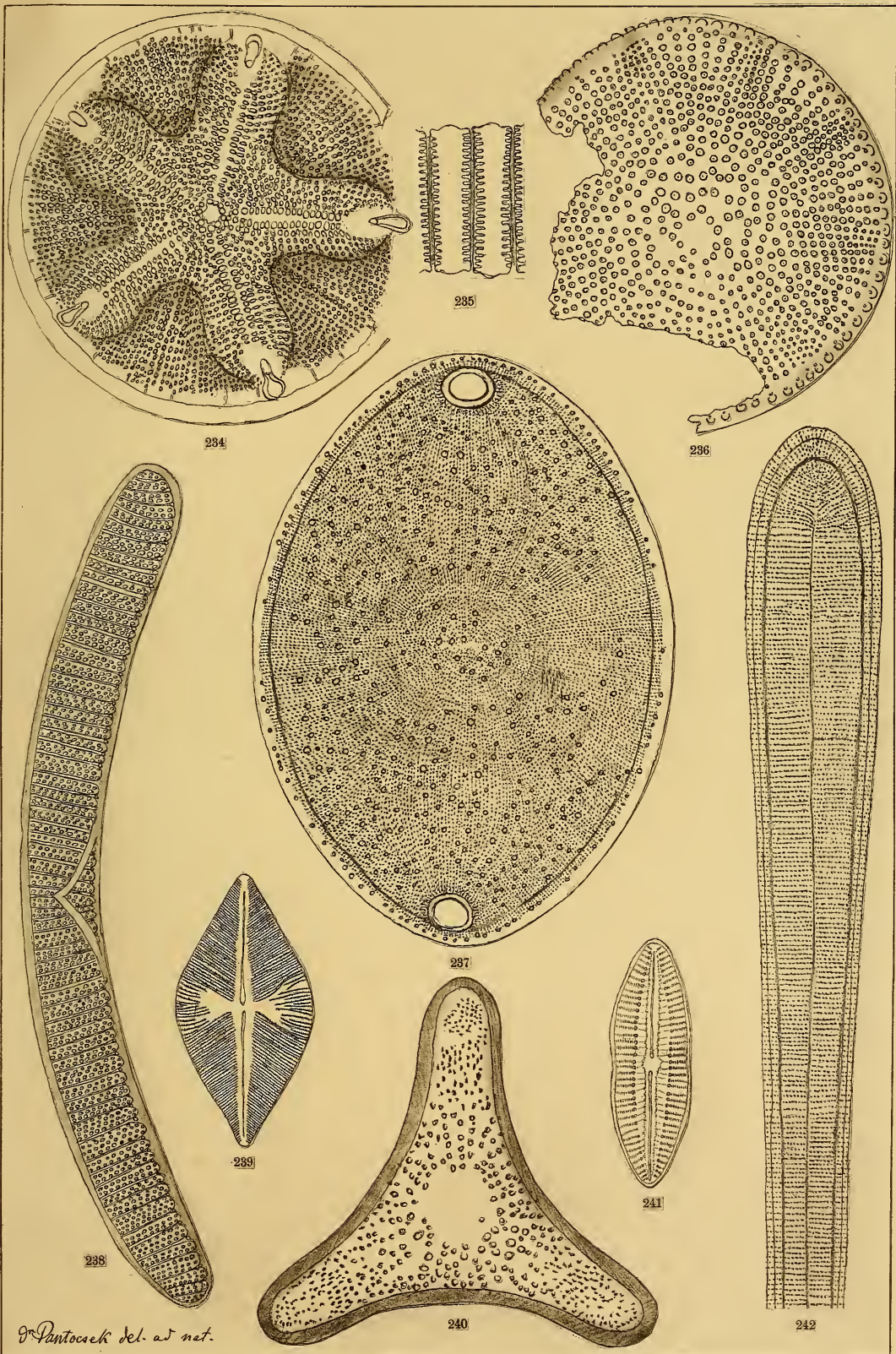


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H. Pantowek del. ad nat.

v
Tafel XVI.

- | | |
|--|-------------------------|
| 234. Aulacodiscus Ledebourii Pant. | <i>Kusnetzki</i> 600/ |
| 235. Fragilaria Kochii n. s. | <i>Köpecz</i> 332/1 |
| 236. Lamprotediscus fasciculatus n. s. | <i>Ananino</i> 600/1 |
| 237. Cerataulus japonicus n. s. | <i>Wembets</i> 360/1 |
| 238. Epithemia perlonga n. s. | <i>Köpecz</i> 600/1 |
| 239. Navicula Vaszaryi n. s. | <i>Nyermegy</i> 746/1 |
| 240. Triceratium distinguendum n. s. | <i>Ananino</i> 600/1 |
| 241. Navicula Hornigii n. s. | <i>Bory</i> 650/1 |
| 242. Synedra Jurányi n. s. | <i>Borostelek</i> 746/1 |

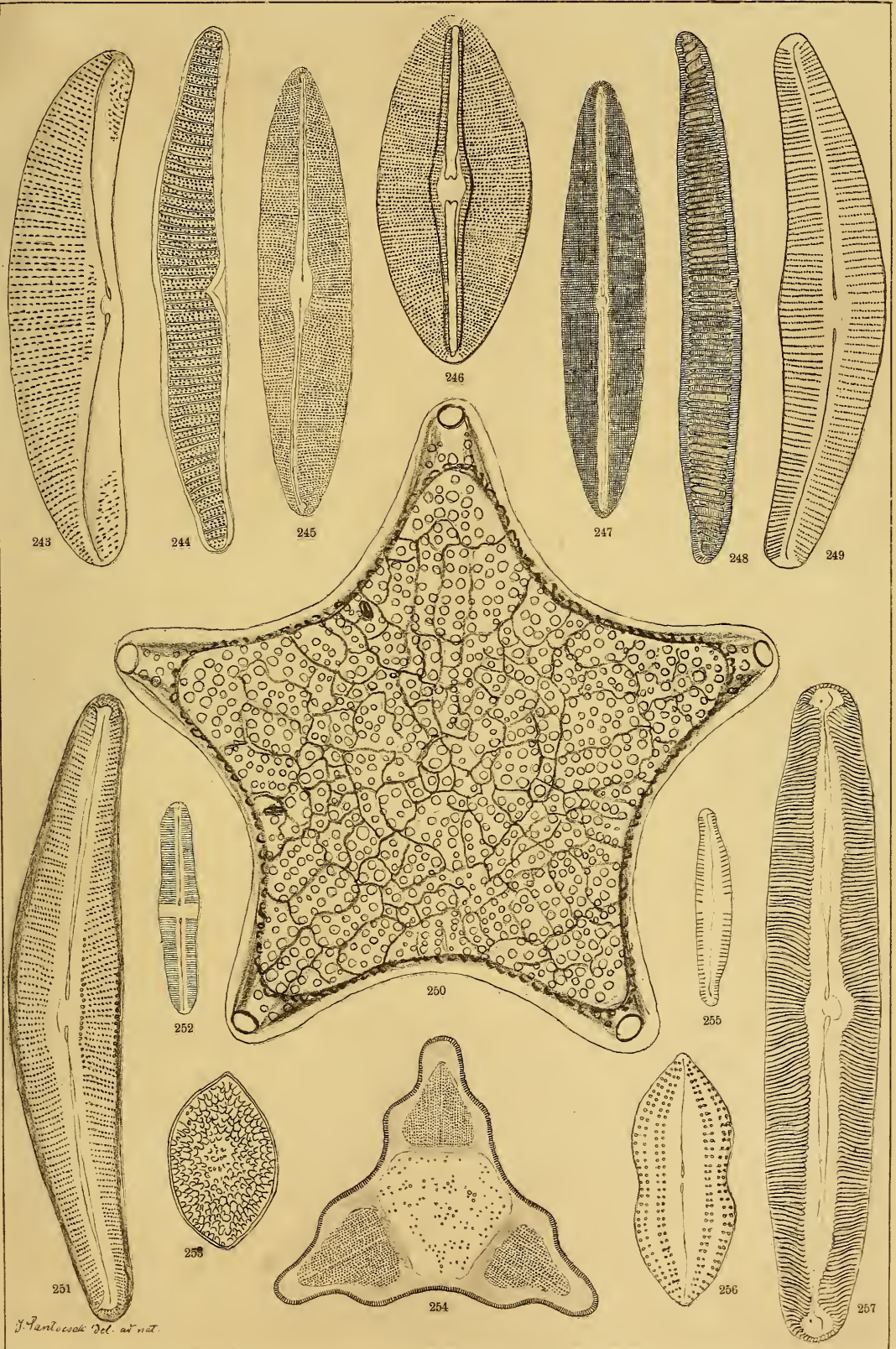


J. Pantocsek del. ad nat.

Tafel XVII.

- | | |
|---|--|
| 243. <i>Amphora gigantea</i> Grun. var. <i>andesitica</i> Pant. | <i>Bory</i> |
| 244. <i>Epithemia directa</i> n. s. | <i>Köpecz</i> |
| 245. <i>Scoliopleura tumida</i> (Bréb.) Rab. | <i>Dubravica</i> |
| 246. <i>Navicula carpathorum</i> n. s. | <i>Dubravica</i> |
| 247. <i>Navicula Mártonfi</i> n. s. | <i>Nyermegy</i> ⁵⁰⁰ / ₁ |
| 248. <i>Epithemia striolata</i> n. s. | <i>Köpecz</i> |
| 249. <i>Cymbella perfecta</i> n. s. | <i>Deménd</i> ⁸³² / ₁ |
| 250. <i>Triceratium hungaricum</i> n. s. | <i>Bory</i> |
| 251. <i>Cymbella dubravicensis</i> Grun. | <i>Dubravica</i> |
| 252. <i>Navicula neogena</i> n. s. | <i>Dubravica</i> |
| 253. <i>Epithelion curvatum</i> nov. gen. et spec. | <i>Kusnetzki</i> ⁵⁰⁰ / ₁ |
| 254. <i>Terpsinoë Brunii</i> n. s. | <i>Wembets</i> |
| 255. <i>Cymbella abnormis</i> Grun. var. <i>fossilis</i> n. v. | <i>Dubravica</i> |
| 256. <i>Navicula muscæformis</i> n. s. | <i>Káránd</i> ⁸³² / ₁ |
| 257. <i>Navicula Hyrtlii</i> n. s. | <i>Bodos</i> ⁵⁰⁰ / ₁ |

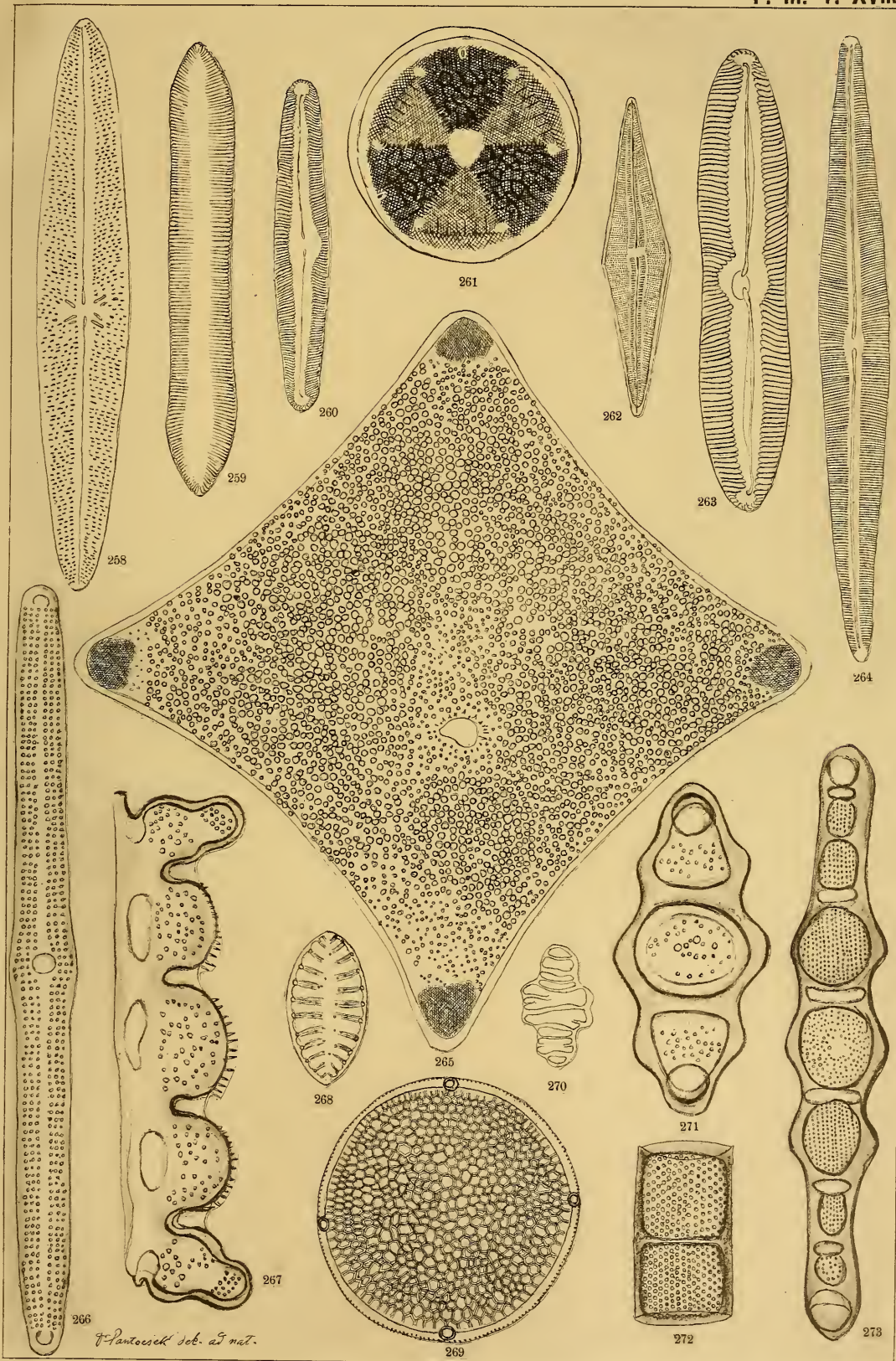
Vergrößerung ⁶⁰⁰/₁



J. Hartmann del. aut. nat.

Tafel XVIII.

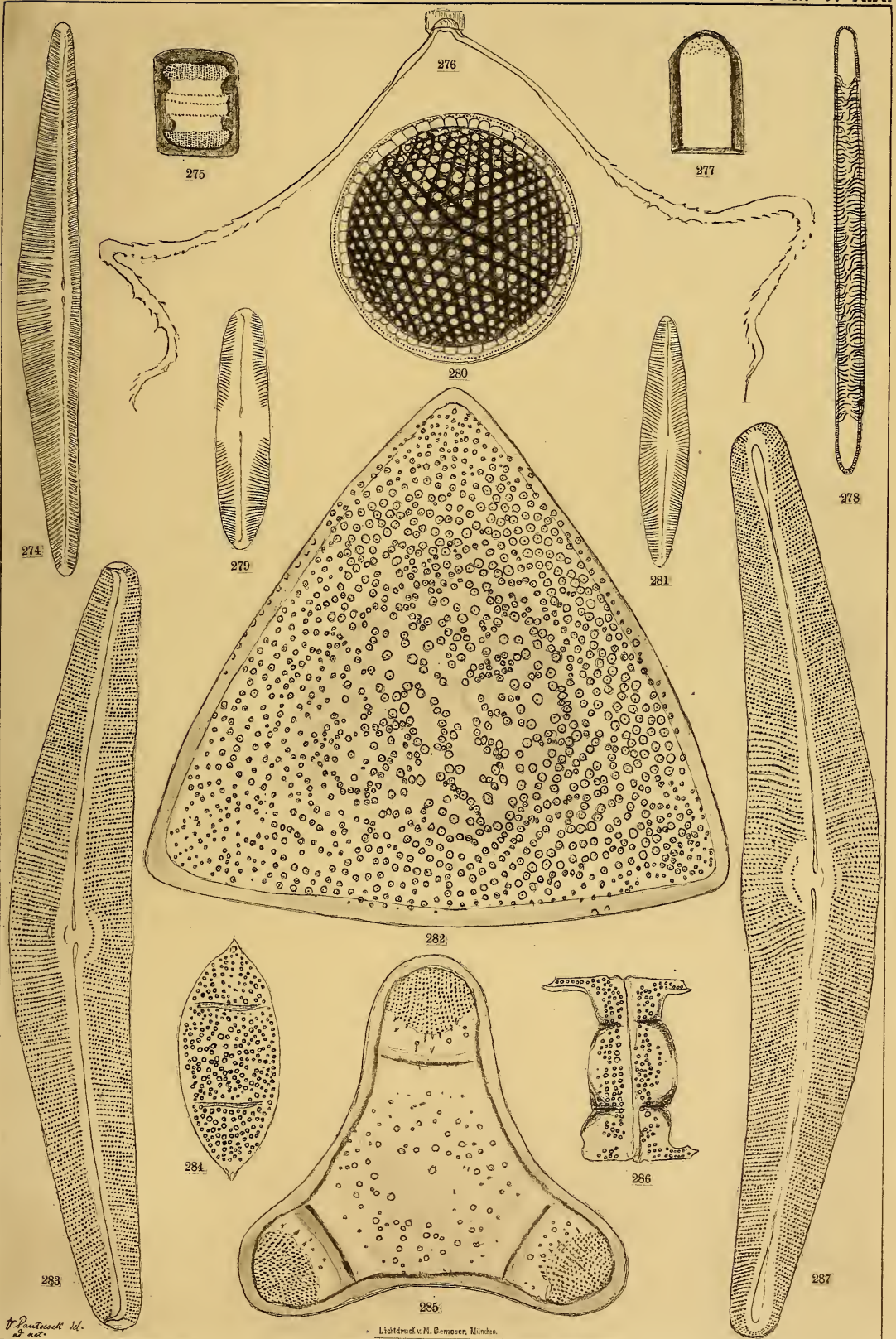
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|-----------|--|---|
| 258 | <i>Navicula pseudoaspera</i> n. s. | <i>Borostelek</i> ⁶⁰⁰ / ₁ |
| 259. | <i>Cymatopleura gracilis</i> n. s. | <i>Köpecz</i> |
| 260. | <i>Navicula Proserpinæ</i> n. s. | <i>Bodos</i> |
| 261. | <i>Actinoptychus notabilis</i> n. s. | <i>Izsópallaga Serges</i> |
| 262. | <i>Navicula perducta</i> n. s. | <i>Nyermegy</i> |
| 263. | <i>Navicula paripinnata</i> n. s. | <i>Bodos</i> |
| 264. | <i>Navicula lucida</i> n. s. | <i>Bodos</i> |
| 265. | <i>Triceratium cœrulescens</i> n. s. | <i>Sëndüi</i> ³⁰⁰ / ₁ |
| 266 | <i>Plagiogramma Lóczyi</i> n. s. | <i>Karna-Bremia</i> ⁷⁵⁰ / ₁ |
| 267, 271. | <i>Biddulphia japonica</i> n. s. | <i>Wembets</i> ⁶⁰⁰ / ₁ |
| 268. | <i>Surirella amœna</i> n. s. | <i>Bodos</i> |
| 269. | <i>Triceratium microtis</i> Gr. var. <i>quadriocellata</i> Pant. | <i>Szakai</i> ⁸³² / ₁ |
| 270. | <i>Tetraacyclus emarginatus</i> E. | <i>Bodos</i> |
| 272. | <i>Melosira granulata</i> (E.) Ralf. var. <i>hungarica</i> n. v. | <i>Hidas</i> ⁸³² / ₁ |
| 273. | <i>Biddulphia fistulosa</i> n. s. | <i>Kusnetzki</i> |
- Vergrößerung ⁵⁰⁰/₁



J. Pantocsek' det. a. nat.

Tafel ^v XIX.

- | | |
|--|------------------------|
| 274. <i>Cymbella marina</i> n. s. | <i>Wembets</i> 600/1 |
| 275. <i>Melosira fungiformis</i> n. s. | <i>Nyermegy</i> |
| 276. <i>Chaetoceros gracilis</i> n. s. | <i>Káránd</i> 600/1 |
| 277. <i>Pyxilla russica</i> n. s. | <i>Kusnetzk</i> |
| 278. <i>Synedra taeniata</i> n. s. | <i>Nyermegy</i> |
| 279. <i>Navicula Brebisonii</i> Kg. var. <i>fossilis</i> n. v. | <i>Bodos</i> 600/1 |
| 280. <i>Stephanopyxis antiqua</i> n. s. | <i>Kusnetzk</i> |
| 281. <i>Navicula dubravicensis</i> Grun. | <i>Dubravica</i> 600/1 |
| 282. <i>Stictodiscus Tschestnovii</i> n. s. | <i>Kusnetzk</i> |
| 283. <i>Cymbella Grunowii</i> n. s. | <i>Dubravica</i> 600/1 |
| 284, 286. <i>Hemiaulus hungaricus</i> Pant. | <i>Szakai</i> 832/1 |
| 285. <i>Triceratium deductum</i> n. s. | <i>Kusnetzk</i> |
| 287. <i>Cymbella Sturii</i> Grun. | <i>Dubravica</i> 600/1 |
- Vergrößerung 500/1

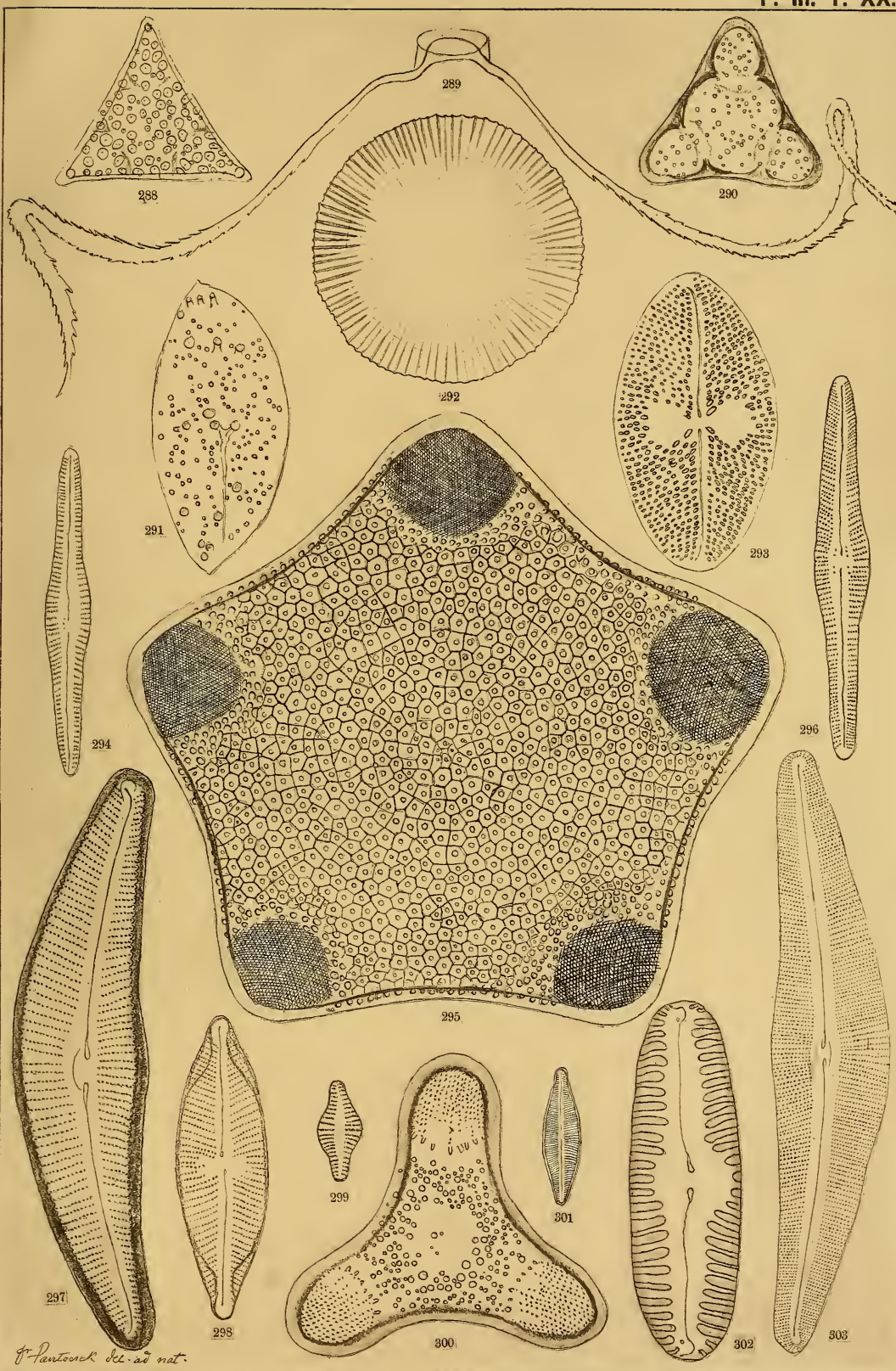


H. Pantocsek del.
27. 1887.

Lithdruck v. H. Demmer, Minden.

Tafel ^v ~~XX~~.

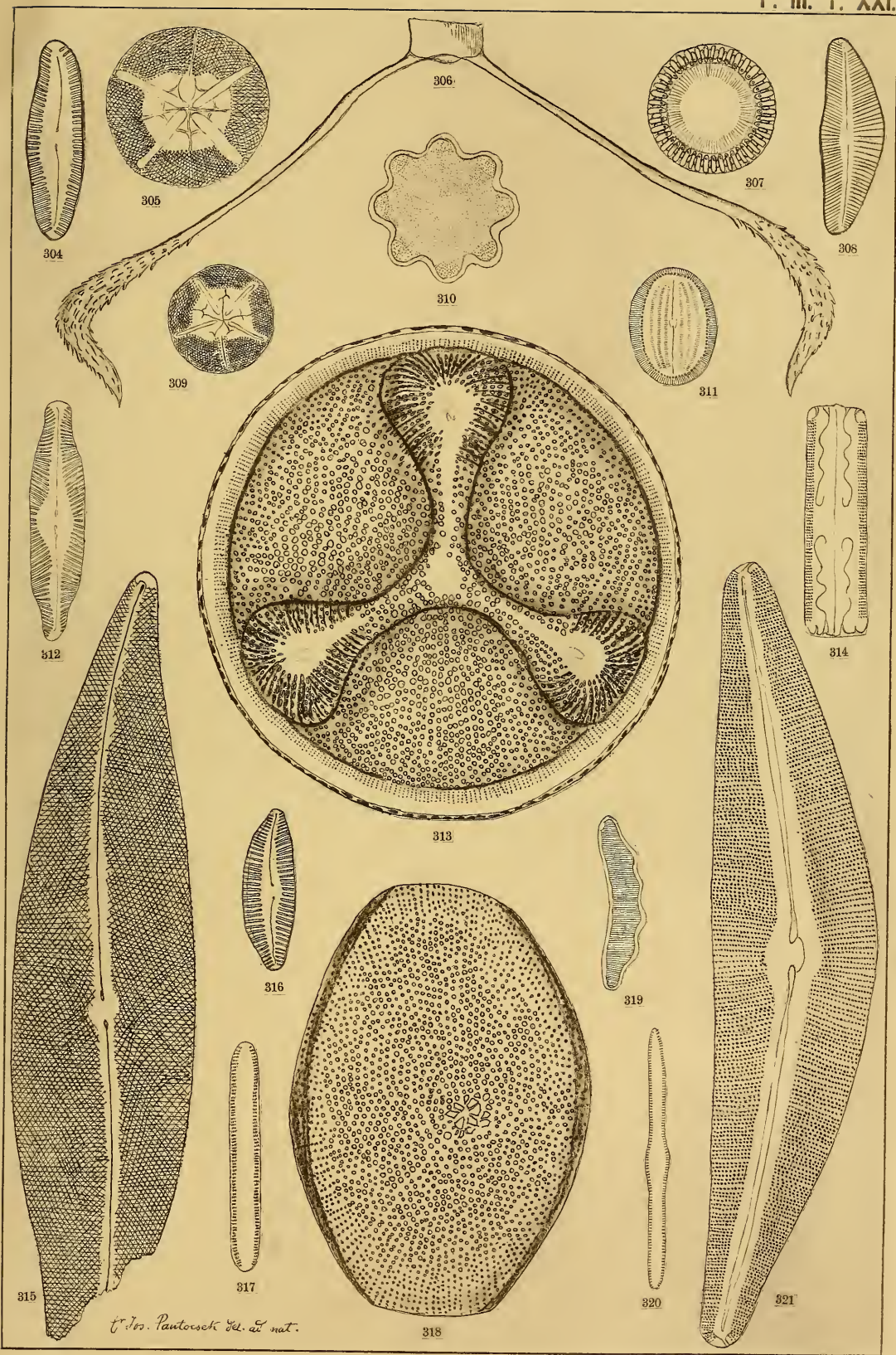
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|---|------------------------|
| 288. <i>Triceratium notatum</i> n. s. | <i>Kusnetzki</i> 500/1 |
| 289. <i>Chætoceros Pethœi</i> n. s. | <i>Káránd</i> |
| 290. <i>Triceratium delectabile</i> n. s. | <i>Kusnetzki</i> 500/1 |
| 291. <i>Epithelion spinifer</i> n. s. | <i>Kusnetzki</i> 500/1 |
| 292. <i>Melosira Kochii</i> n. s. | <i>Köpecz</i> 832/1 |
| 293. <i>Navicula Sieboldii</i> n. s. | <i>Abashiri</i> |
| 294, 296. <i>Gomphonema dubravicense</i> n. s. | <i>Dubravica</i> |
| 295. <i>Triceratium Jimboi</i> n. s. | <i>Wembets</i> |
| 297. <i>Cymbella plutonica</i> n. s. | <i>Bory</i> 832/1 |
| 298. <i>Navicula styriaca</i> Grun. | <i>Bory</i> |
| 299. <i>Steaurosira Venter</i> (E.) Grun. | <i>Bory</i> 832/1 |
| 300. <i>Triceratium Endlicherii</i> n. s. | <i>Kusnetzki</i> 500/1 |
| 301. <i>Navicula protracta</i> Grun. form. <i>minor</i> | <i>Jastraba</i> |
| 302. <i>Navicula pachyptera</i> (E.) Kg. | <i>Dubravica</i> |
| 303. <i>Cymbella Clementis</i> n. s. | <i>Dubravica</i> |
| Vergrößerung 600/1 | |



J. Pantouck del. ad nat.

v
Tafel **XXI.**

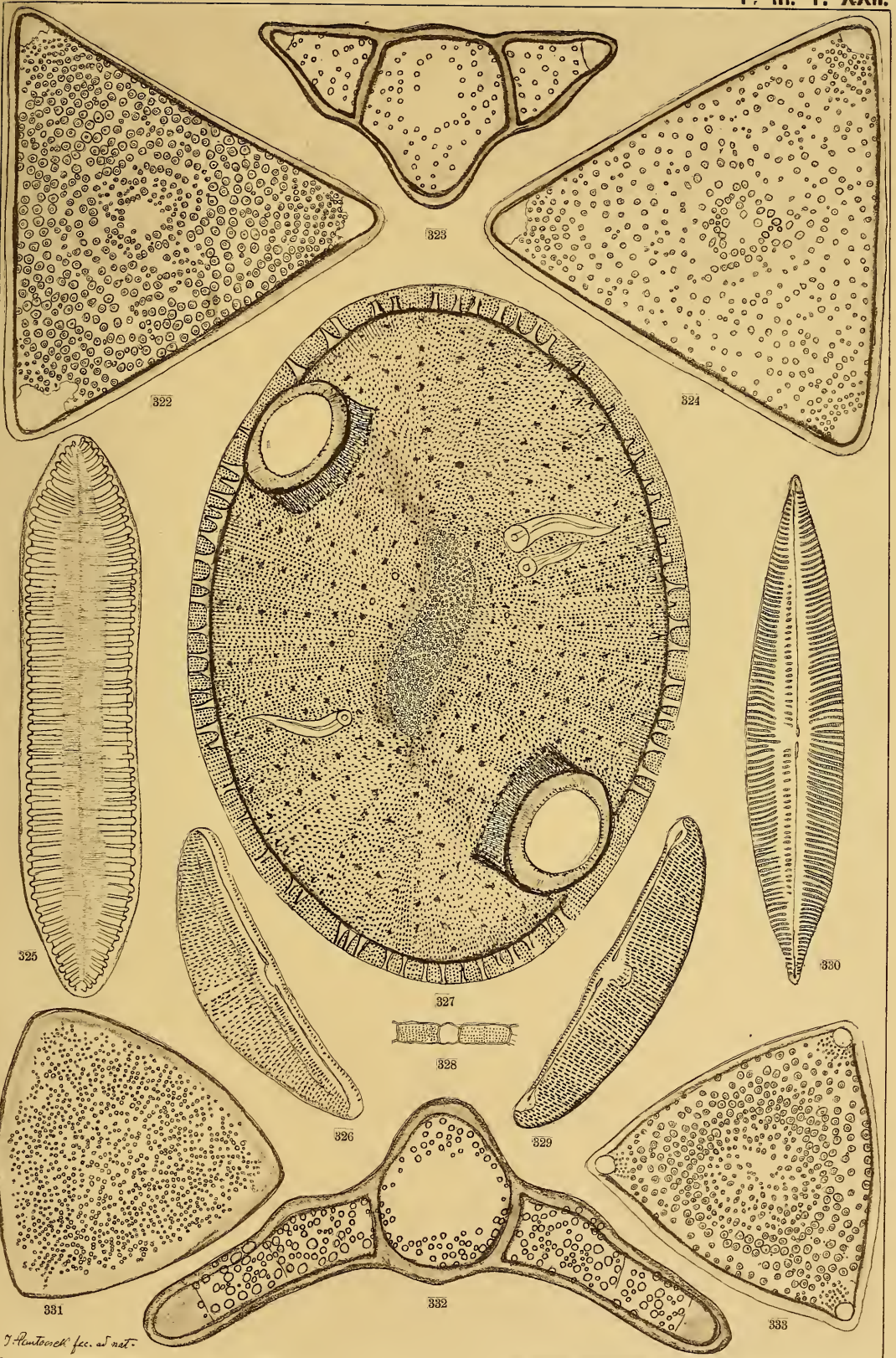
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|---|--------------------------------|
| 304, 316. <i>Cymbella pachyptera</i> n. s. | <i>Dubravica</i> 600/1 |
| 305. <i>Asteromphalus Debyi</i> n. s. | <i>Káránd</i> 500/1 |
| 306. <i>Chaetoceros biharensis</i> n. s. | <i>Káránd</i> 600/1 |
| 307. <i>Paralia polycystinica</i> n. s. | <i>Kusnetzki</i> 506/1 |
| 308. <i>Cymbella simplex</i> n. s. | <i>Dubravica</i> 600/1 |
| 309. <i>Asteromphalus Brunii</i> n. s. | <i>Borostelek</i> 500/1 |
| 310. <i>Terpsinoë polygibba</i> Pant. | <i>Izopallaga</i> 500/1 |
| 311. <i>Coconeis lineata</i> E. var. <i>minor</i> n. v. | <i>Köpecz</i> 832/1 |
| 312. <i>Navicula mesolepta</i> (E.) Kg. var. <i>boryana</i> n. v. | <i>Bory</i> 600/1 |
| 313. <i>Aulacodiscus Gurowii</i> n. s. | <i>Kusnetzki</i> 500/1 |
| 314. <i>Grammatophora lyrata</i> Grun. var. <i>japonica</i> n. v. | <i>Wembets</i> 600/1 |
| 315. <i>Pleurosigma neogradense</i> Pant. | <i>Felső-Esztergály</i> 1066/1 |
| 317. <i>Fragilaria transylvanica</i> n. s. | <i>Bodos</i> 500/1 |
| 318. <i>Coccinodiscus Pethői</i> n. s. | <i>Káránd</i> 832/1 |
| 319. <i>Eunotia Ehrenbergii</i> Grun. var. <i>quaternaria</i> Grun. | <i>Dubravica</i> 600/1 |
| 320. <i>Synedra dubravicensis</i> n. s. | <i>Dubravica</i> 600/1 |
| 321. <i>Cymbella gigantea</i> n. s. | <i>Bodos</i> 500/1 |



G. Vos. Pantocsek del. et. nat.

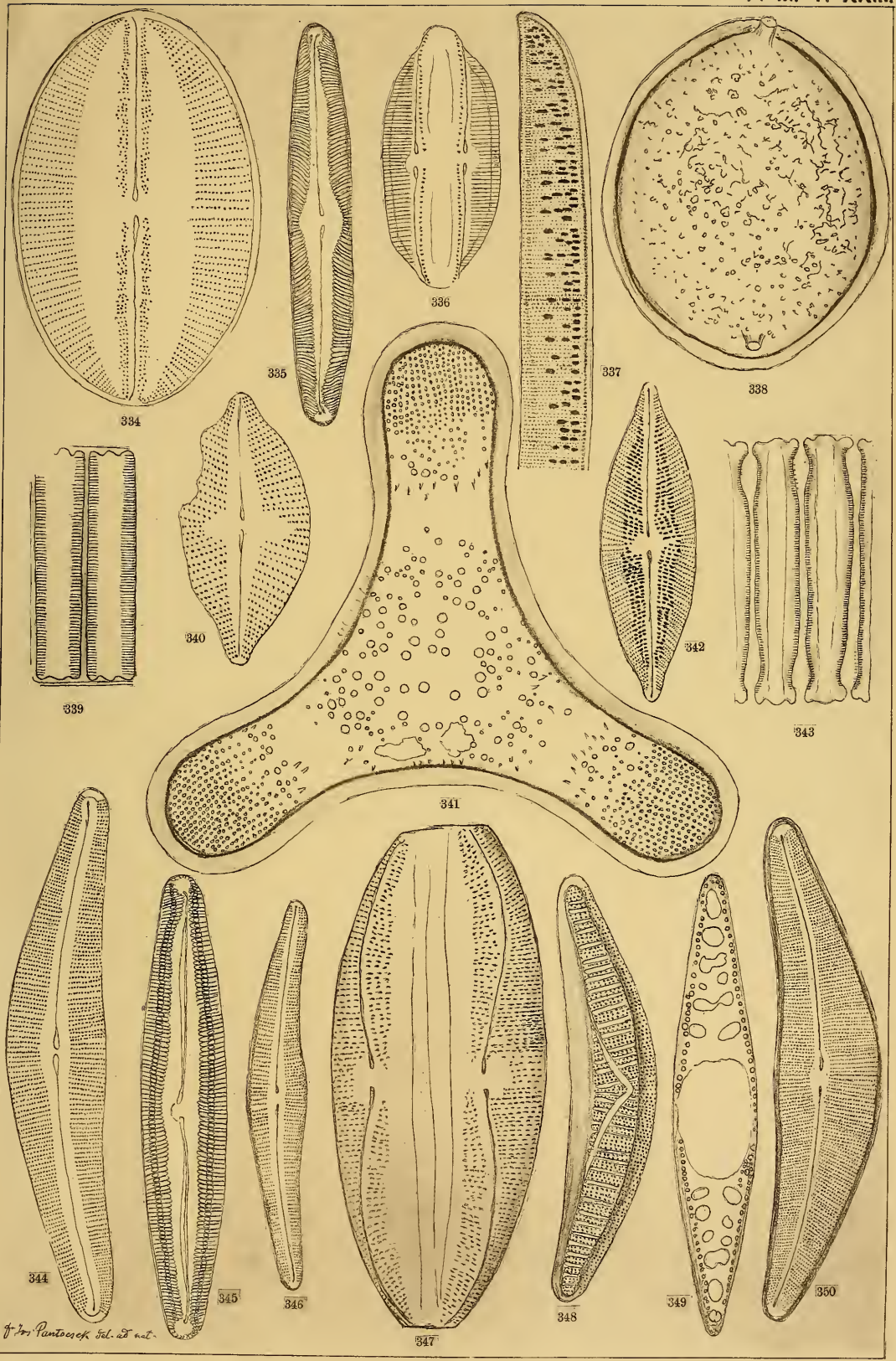
Tafel ^vXXXII.

- | | |
|--|--|
| 322. <i>Triceratium tectum</i> n. s. | <i>Kusnetzki</i> |
| 323. <i>Eunotogramma Weissei</i> E. | <i>Kusnetzki</i> ⁴⁵² / ₁ |
| 324. <i>Triceratium stigmaticum</i> n. s. | <i>Kusnetzki</i> |
| 325. <i>Surirella salsa</i> W. Sm. var. <i>hungarica</i> n. v. | <i>Dubravica</i> ⁶⁰⁰ / ₁ |
| 326. <i>Amphora vittata</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 327. <i>Cerataulus Weissflogii</i> n. s. | <i>Szakal</i> ⁶⁰⁰ / ₁ |
| 328. <i>Melosira crenulatata</i> Kg. var. <i>debilis</i> n. v. | <i>Dubravica</i> ⁶⁰⁰ / ₁ |
| 329. <i>Amphora Argus</i> n. s. | <i>Köpecz</i> |
| 330. <i>Navicula (Alloeoneis) Flattii</i> n. s. | <i>Izopallaga-Serges</i> |
| 331. <i>Triceratium Sokolowii</i> n. s. | <i>Kusnetzki</i> |
| 332. <i>Eunotogramma Weissei</i> E var. <i>producta</i> Gr. St | <i>Kusnetzki</i> ⁴⁵² / ₁ |
| 333. <i>Triceratium jucundum</i> n. s. | <i>Kusnetzki</i> |
- Vergrößerung ⁵⁰⁰/₁



Tafel ~~XXIII~~.

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|--|--------------------------|
| 334. <i>Navicula Mikado</i> n. s. | <i>Wembets</i> 600/1 |
| 335. <i>Navicula scythica</i> n. s. | <i>Dubravica</i> 600/1 |
| 336. <i>Amphora Budayana</i> n. s. | <i>Köpecz</i> 832/1 |
| 337. <i>Nitzschia pulcherrima</i> Grun. var. <i>interrupta</i> n. v. | <i>Szakal</i> 832/1 |
| 338. <i>Biddulphia Tschestnovii</i> n. s. | <i>Kusnetzki</i> 500/1 |
| 339. <i>Fragilaria Peragalloi</i> n. s. | <i>Deménd</i> 832/1 |
| 340. <i>Navicula mocsarensis</i> n. s. | <i>Mocsár</i> 832/1 |
| 341. <i>Triceratium vates</i> n. s. | <i>Kusnetzki</i> 500/1 |
| 342. <i>Navicula arata</i> Grun. | <i>Dubravica</i> 600/1 |
| 343. <i>Dimeregramma boryanum</i> Pant. | <i>Bory</i> 832/1 |
| 344. <i>Cymbella lanceolata</i> E. var. <i>fossilis</i> Pant. | <i>Bory</i> 600/1 |
| 345. <i>Navicula transylvanica</i> n. s. var. <i>producta</i> n. v. | <i>Bodos</i> 500/1 |
| 346. <i>Cymbella cymbiformis</i> E. var. <i>producta</i> n. v. | <i>Dubravica</i> 600/1 |
| 347. <i>Amphora Lima</i> Pant. | <i>Bory</i> 832/1 |
| 348. <i>Epithemia Ehrenbergii</i> n. s. | <i>Köpecz</i> 600/1 |
| 349. <i>Craticula hungarica</i> n. s. | <i>Szent-Péter</i> 600/1 |
| 350. <i>Cymbella lanceolata</i> E. var. <i>robusta</i> n. s. | <i>Köpecz</i> 452/1 |

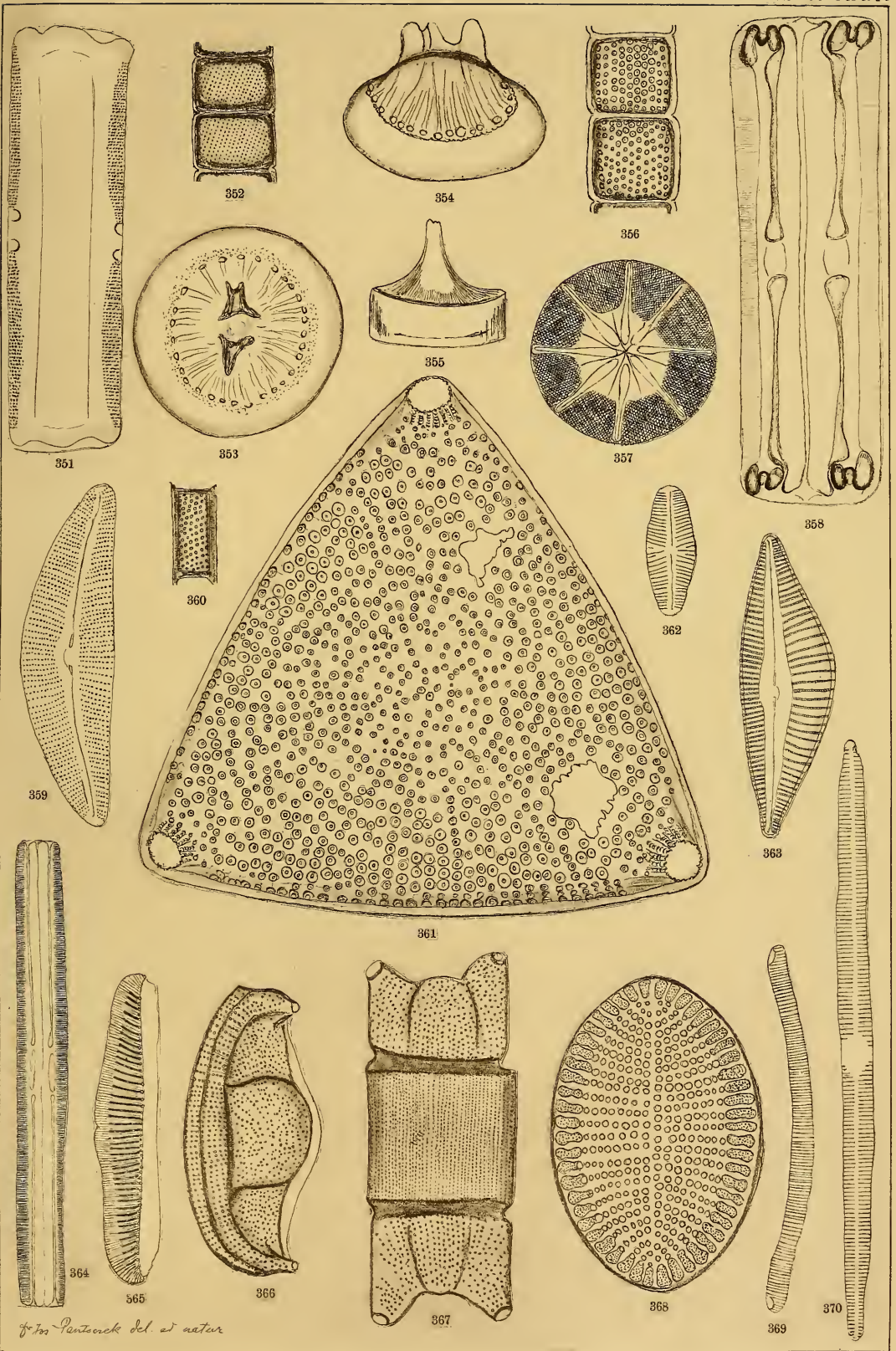


of J. Pantocsek del. et. nat.

Tafel **XXIV.**

- | | |
|---|--|
| 351. <i>Plagiogramma Truanii</i> Pant. | <i>Bory</i> ⁸³² / ₁ |
| 352. <i>Melosira crenulata</i> (E.) Ralfs var. <i>ambigua</i> Grun. | <i>Deménd</i> ⁸³² / ₁ |
| 353, 354. <i>Ktenodiscus russicus</i> n. s. | <i>Kusnetzk</i> ⁵⁰⁰ / ₁ |
| 355. <i>Gyrodiscus Vortex</i> N. O. Witt. | <i>Kusnetzk</i> ⁵⁰⁰ / ₁ |
| 356. <i>Melosira Temperei</i> n. s. | <i>Köpecz</i> ⁸³² / ₁ |
| 357. <i>Asteromphalus Kinkerii</i> n. s. | <i>Káránd</i> ⁵⁰⁰ / ₁ |
| 358. <i>Grammatophora japonica</i> n. s. | <i>Wembets</i> ⁶⁰⁰ / ₁ |
| 359. <i>Cymbella vegeta</i> n. s. | <i>Dubravica</i> ⁶⁰⁰ / ₁ |
| 360. <i>Melosira crenulata</i> (E.) Ralfs var. <i>mocsarensis</i> n. v. | <i>Mocsár</i> ⁸³² / ₁ |
| 361. <i>Triceratium Gurowii</i> n. s. | <i>Kusnetzk</i> ⁵⁰⁰ / ₁ |
| 362. <i>Navicula pressa</i> n. s. | <i>Bodos</i> ⁵⁰⁰ / ₁ |
| 363. <i>Cymbella Budayana</i> n. s. var. <i>gracilior</i> n. v. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 364. <i>Grammatophora biharensis</i> n. s. | <i>Izópalluga-Serges</i> ⁵⁰⁰ / ₁ |
| 365. <i>Epithemia Budayana</i> n. s. | <i>Köpecz</i> ⁸³² / ₁ |
| 366. <i>Biddulphia Gurowii</i> n. s. | <i>Kusnetzk</i> ⁵⁰⁰ / ₁ |
| 367. <i>Odontella boryana</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 368. <i>Cocconeis Haradae</i> n. s. | <i>Wembets</i> ⁶⁰⁰ / ₁ |
| 369. <i>Eunotia gracilis</i> (E.) Rab. var. <i>fossilis</i> n. s. | <i>Dubravica</i> ⁶⁰⁰ / ₁ |
| 370. <i>Synedra Ulna</i> (Nitzsch) E. var. <i>fossilis</i> n. v. | <i>Dubravica</i> ⁶⁰⁰ / ₁ |

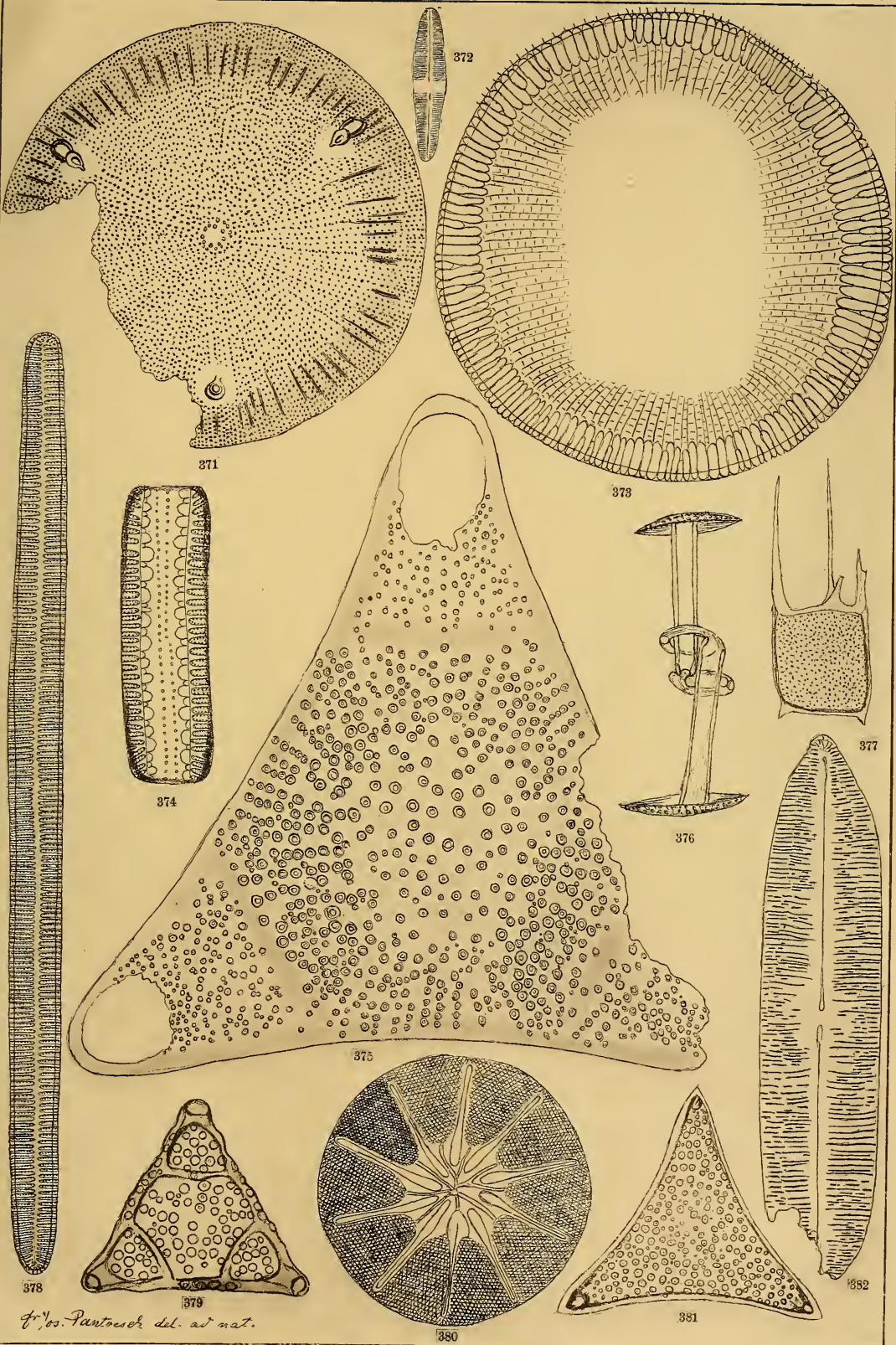




J. 100 Pentacoch del. ad natur.

Tafel XXV.

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|--|---------------------------------|
| 371. Aulacodiscus Peragalloi n. s. | <i>Kusnetzki</i> 600/1 |
| 372. Navicula neogena n. s. | <i>Dubravica</i> 600/1 |
| 373. Campylodiscus Szontághii n. s. | <i>Izsovallaga-Serges</i> 500/1 |
| 374. Allœoneis Castracanei Pant. latus conect. | <i>Káránd</i> 832/1 |
| 375. Triceratium illustrum n. s. | <i>Kusnetzki</i> 452/1 |
| 376. Syndetoneis russica n. s. | <i>Kusnetzki</i> 600/1 |
| 377. Zygoceeros antiquus n. s. | <i>Kusnetzki</i> 600/1 |
| 378. Synedra Van Heurekii Brun. | <i>Wembets</i> 360/1 |
| 379. Triceratium Brandtii n. s. | <i>Kusnetzki</i> 500/1 |
| 380. Asteromphalus Grovei n. s. | <i>Borostelek</i> 500/1 |
| 381. Trinacria sparsa n. s. | <i>Kusnetzki</i> 600/1 |
| 382. Navicula primordialis n. s. | <i>Kusnetzki</i> 500/1 |

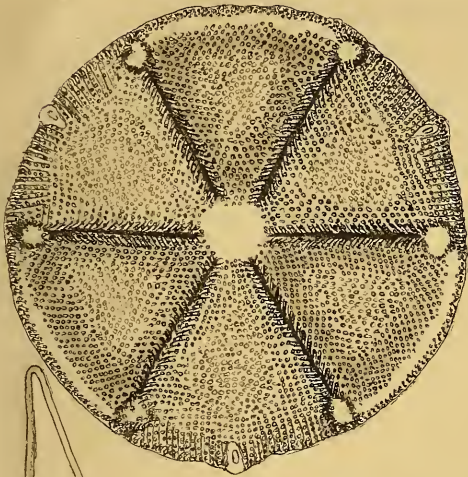


G. Vos. Pantocsek del. ad nat.

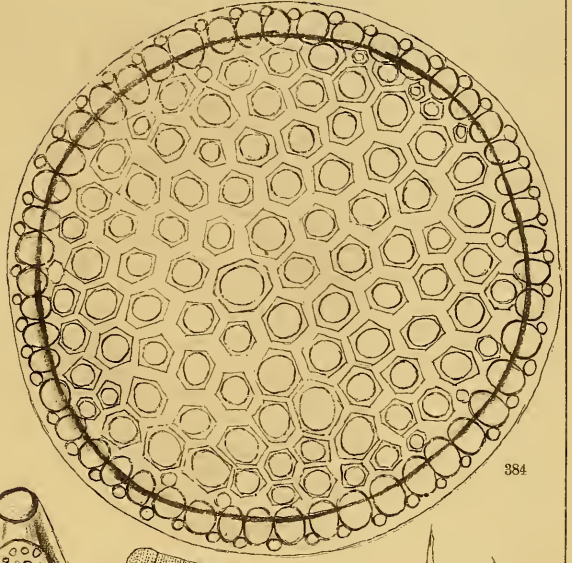
Tafel **XXVI.**

- | | |
|--|---|
| 383. <i>Actinoptychus Kusnetzianus</i> n. s. | <i>Kusnetz</i> ⁵⁰⁰ / ₁ |
| 384. <i>Stephanopyxis maxima</i> n. s. | <i>Kusnetz</i> ⁵⁰⁰ / ₁ |
| 385. <i>Epithemia zebrina</i> (E.) Grun | <i>Magyar-Hermány</i> ³³² / ₁ |
| 386. <i>Epithemia cistula</i> (E.) Grun. var. <i>lunaris</i> Grun. | <i>Dubravica</i> |
| 387. <i>Pyxilla Lunyacsekii</i> n. s. | <i>Nagy-Kürtös</i> |
| 388. <i>Pseudoauliscus Brunii</i> Pant. | <i>Ananino</i> |
| 389. <i>Triceratium Pethői</i> Pant. | <i>Nagy-Kürtös</i> |
| 390. <i>Terpsinoë triquetra</i> n. s. | <i>Izsopallaga</i> ⁵⁰⁰ / ₁ |
| 391. <i>Zygoceros antiquus</i> n. s. var. <i>interrupta</i> | <i>Kusnetz</i> |
| 392. <i>Pyxilla hungarica</i> n. s. | <i>Nagy-Kürtös</i> |
| 393. <i>Aulacodiscus nigrescens</i> n. s. | <i>Kusnetz</i> ⁵⁰⁰ / ₁ |
| 394. <i>Craspedodiscus Weissflogii</i> n. s. | <i>Szakai</i> |
| 395. <i>Stictodiscus Kossuthii</i> n. s. | <i>Kusnetz</i> |

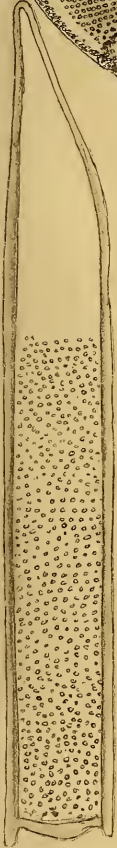
Vergrößerung ⁵⁰⁰/₁



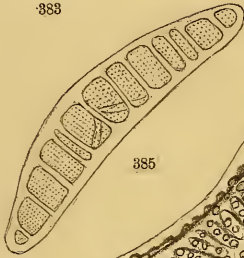
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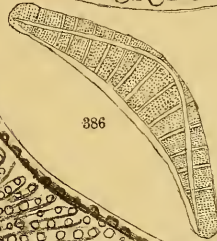
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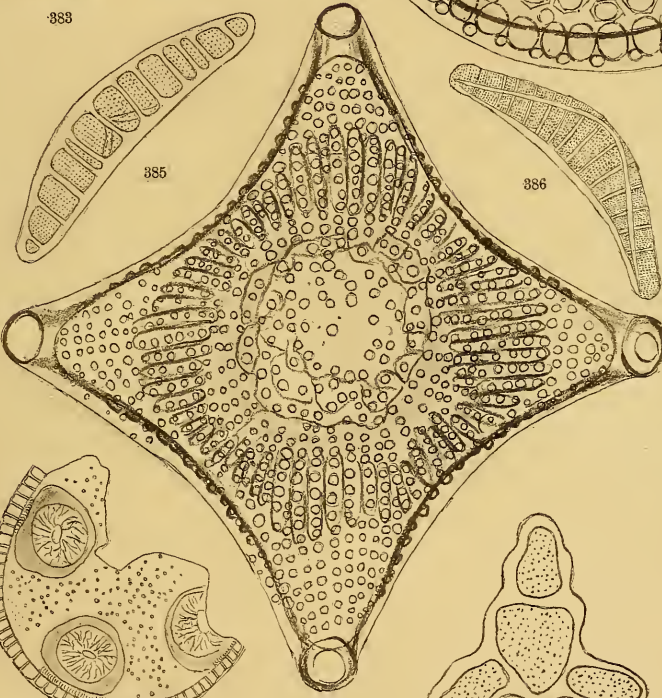
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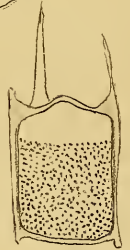
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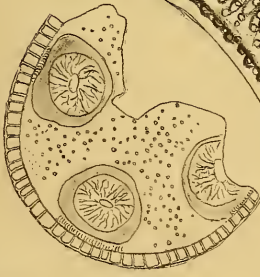
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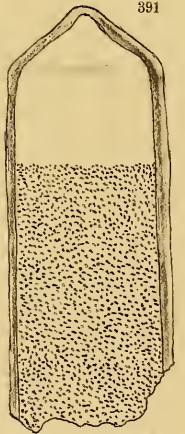
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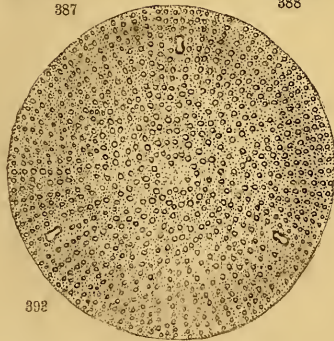
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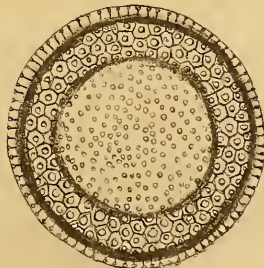
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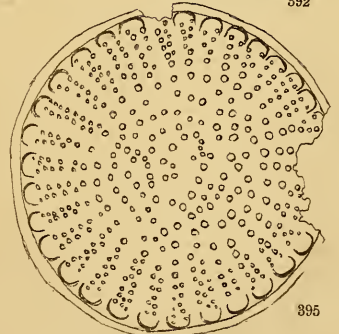
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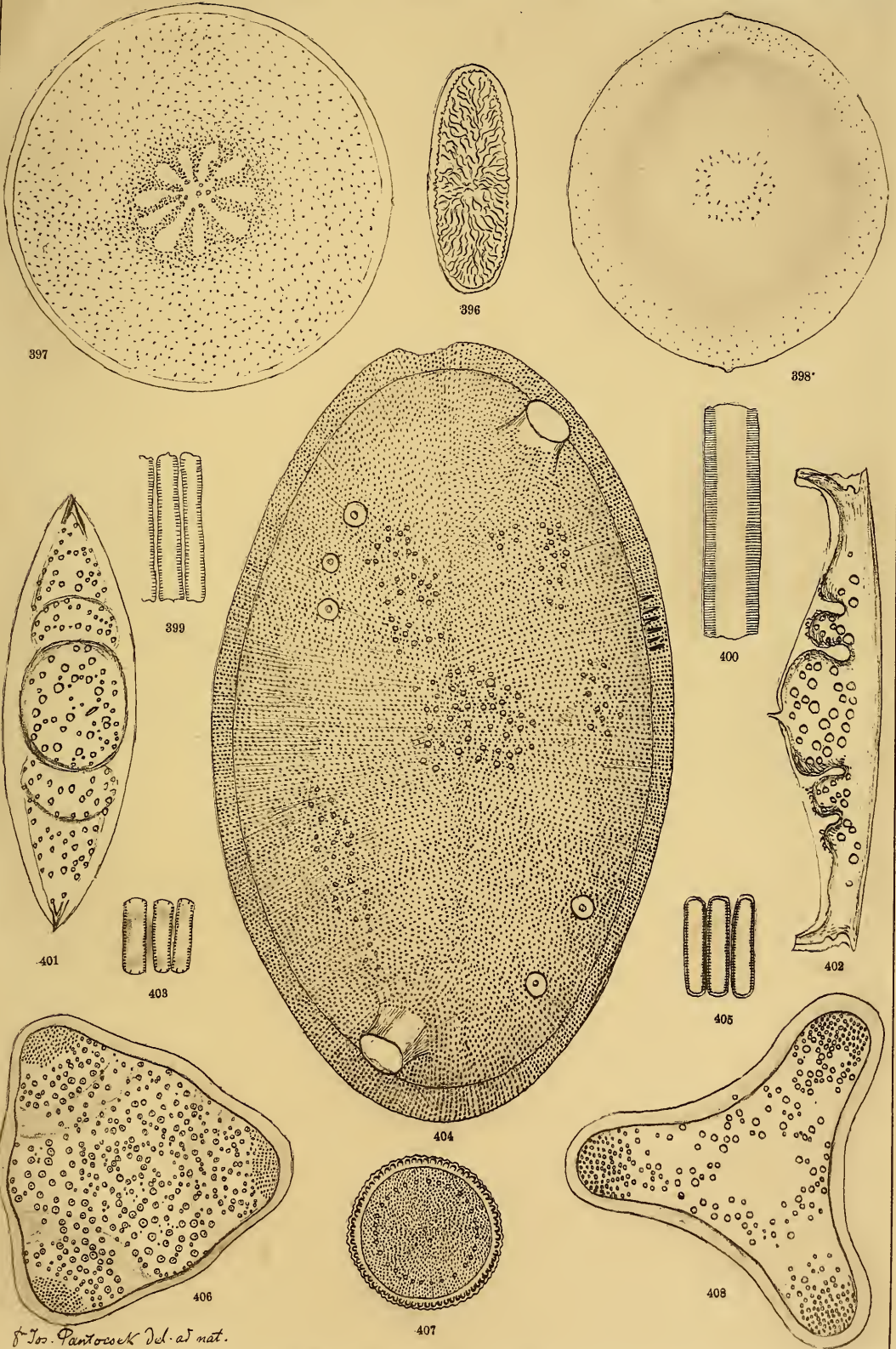


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V. J. Pantucsek del. ad nat.

Tafel **XXVII.**

- | | |
|--|---|
| 396. <i>Epithelion hungaricum</i> n. s. | <i>Nagy-Kürtös</i> ⁶⁰⁰ / ₁ |
| 397. <i>Ethmodiscus stellifer</i> n. s. | <i>Kusnetzk</i> ⁶⁰⁰ / ₁ |
| 398. <i>Chelonioidiscus ananinensis</i> Pant. Valva inferior | <i>Ananino</i> ⁶⁰⁰ / ₁ |
| 399. <i>Fragilaria sepulta</i> n. s. | <i>Bodos</i> ⁵⁰⁰ / ₁ |
| 400. <i>Fragilaria transylvanica</i> n. s. | <i>Bodos</i> ⁵⁰⁰ / ₁ |
| 401, 402. <i>Hemiaulus Weissflogii</i> n. s. | <i>Kusnetzk</i> ⁶⁰⁰ / ₁ |
| 403. <i>Staurosira Venter</i> (E) Grun. | <i>Bory</i> ⁸³² / ₁ |
| 404. <i>Cerataulus turgidus</i> E. var. <i>hispidissimus</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 405. <i>Staurosira vasta</i> n. s. | <i>Magyar-Hermány</i> ⁸³² / ₁ |
| 406. <i>Triceratium fasciatum</i> Pant. | <i>Kusnetzk</i> ⁵⁰⁰ / ₁ |
| 407. <i>Paralia Pethői</i> n. s. | <i>Káránd</i> ⁶⁰⁰ / ₁ |
| 408. <i>Triceratium hilaratum</i> n. s. | <i>Kusnetzk</i> ⁵⁰⁰ / ₁ |



Dr. J. Pantorschek Del. ad nat.

Tafel **XXVIII**.

- | | |
|---|---|
| 409. <i>Campylodiscus Jimboi</i> n. s. | <i>Teshiogori</i> |
| 410. <i>Coscinodiscus brighthellioides</i> n. s. | <i>Káránd</i> |
| 411. <i>Coscinodiscus anastomosans</i> n. s. | <i>Káránd</i> |
| 412. <i>Rhabdonema diminutum</i> n. s. | <i>Serges-Izsopallaga</i> ⁵⁰⁰ / ₁ |
| 413. <i>Melosira spinosa</i> n. s. | <i>Káránd</i> |
| 414. <i>Melosira granulata</i> (E.) Ralfs var. <i>attenuata</i> n. v. | <i>Hidas</i> ⁸⁵² / ₁ |
| 415. <i>Aulacodiscus szakalensis</i> n. s. | <i>Szakal</i> |
| 416. <i>Amphora suavis</i> n. s. | <i>Bodos</i> ⁵⁰⁰ / ₁ |
| 417. <i>Trinacria simulacroides</i> n. s. | <i>Kusnetzki</i> |
| 418. <i>Triceratium proprium</i> n. s. | <i>Kusnetzki</i> ⁵⁰⁰ / ₁ |
| 419. <i>Trinacria russica</i> n. s. | <i>Kusnetzki</i> ⁵⁰⁰ / ₁ |

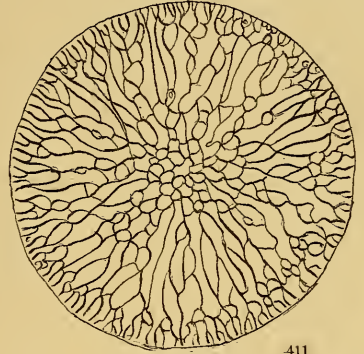
Vergrößerung ⁶⁰⁰/₁



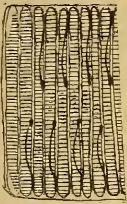
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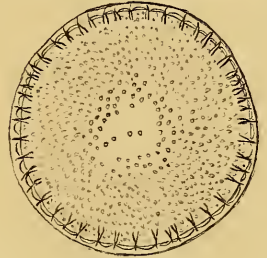
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411



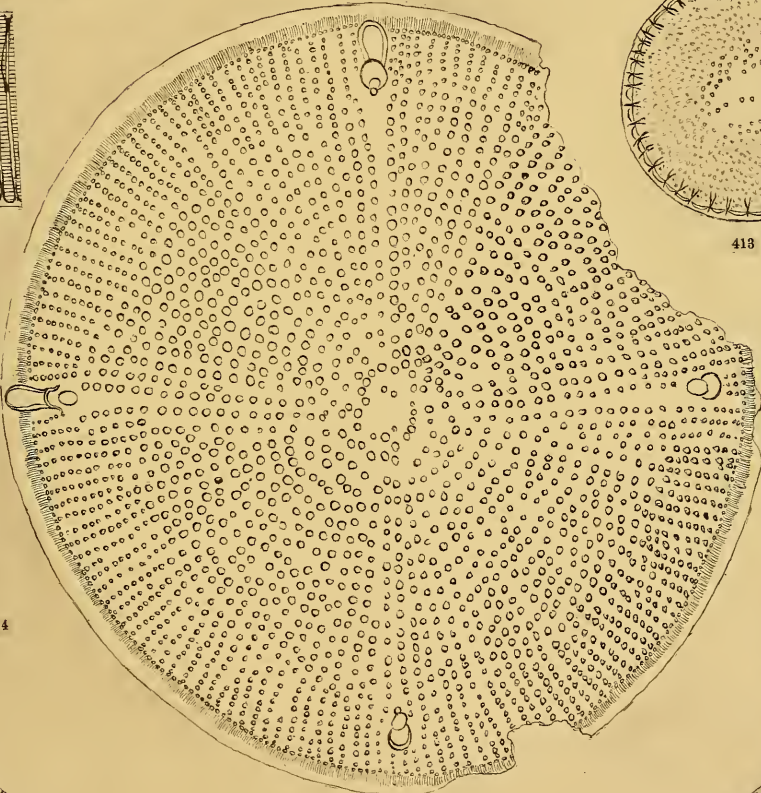
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414



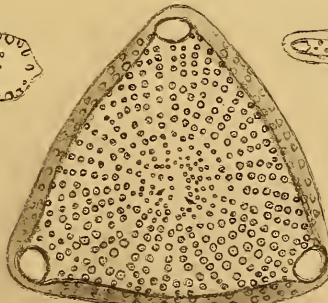
415



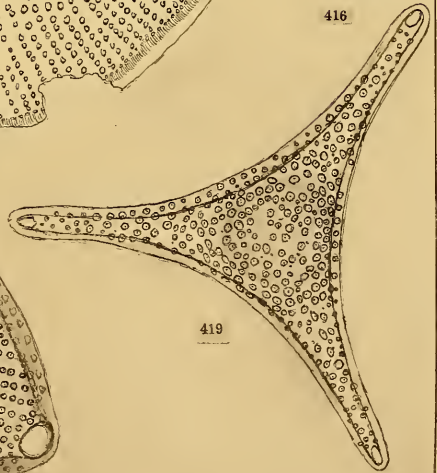
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418



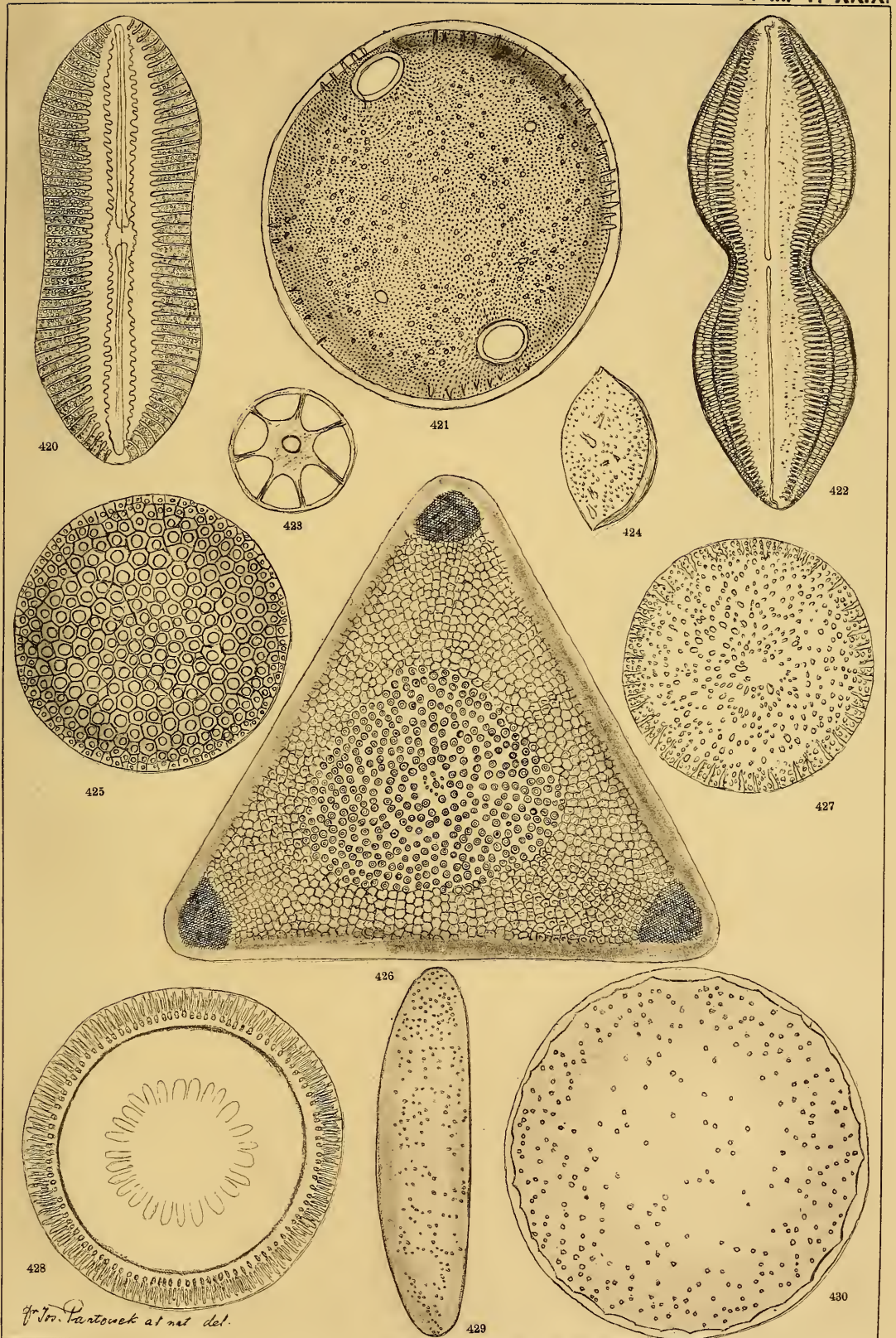
419

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Tafel ~~XXIX~~.

- | | |
|--|--|
| 420. <i>Navicula pseudogemmata</i> n. s. | <i>Nagy-Kürtös</i> ⁴⁶² / ₁ |
| 421. <i>Cerataulus boryanus</i> Pant. | <i>Bory</i> |
| 422. <i>Navicula Venus</i> n. s. | <i>Nagy-Kürtös</i> |
| 423. <i>Pyxilla carinifera</i> Grun. var. <i>russica</i> n. v. | <i>Kusnetz</i> |
| 424. <i>Epithelion russicum</i> n. s. | <i>Kusnetz</i> ⁵⁰⁰ / ₁ |
| 425. <i>Coscinodiscus kusnetzianus</i> n. s. | <i>Kusnetz</i> ⁵⁰⁰ / ₁ |
| 426. <i>Triceratium pseudoarcticum</i> n. s. | <i>Nagy-Kürtös</i> ⁵⁰⁰ / ₁ |
| 427. <i>Stictodiscus tuberculatus</i> n. s. | <i>Kusnetz</i> |
| 428. <i>Paralia hokkaideana</i> n. s. | <i>Wembets</i> |
| 429. <i>Euodia hungarica</i> n. s. | <i>Nagy-Kürtös</i> |
| 430. <i>Ethmodiscus carinatus</i> n. s. | <i>Kusnetz</i> |

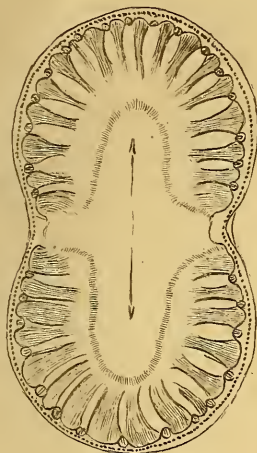
Vergrößerung ⁶⁰⁰/₁



J. J. Pantowek at nat. del.

Tafel ~~XXX~~.

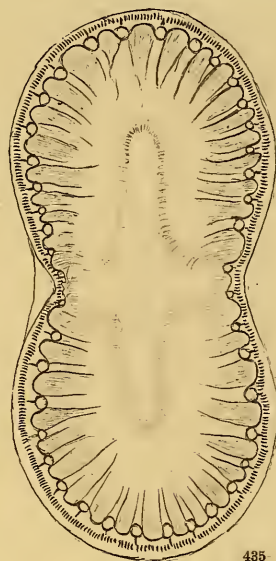
- | | |
|---|---|
| 431. <i>Surirella</i> <i>Vaszaryi</i> n. s. | <i>Bory</i> |
| 432. <i>Navicula</i> <i>phalangium</i> n. s. | <i>Kavna-Bremia</i> |
| 433. <i>Campylodiscus</i> <i>Kützingii</i> Bail. | <i>Káránd</i> |
| 434. <i>Navicula</i> <i>aradina</i> n. s. | <i>Kavna-Bremia</i> |
| 435. <i>Surirella</i> <i>baldjickii</i> Norm. | <i>Nyermegy</i> |
| 436. <i>Asteromphalus</i> <i>hungaricus</i> Pant. | <i>Nyermegy</i> |
| 437. <i>Stephanopyxis</i> <i>vasta</i> n. s. | <i>Kusnetzki</i> |
| 438. <i>Navicula</i> <i>pavida</i> n. s. | <i>Kavna-Bremia</i> |
| 439. <i>Trinacria</i> <i>vetustissima</i> n. s. | <i>Kusnetzki</i> ⁶⁰⁰ / ₁ |
| 440. <i>Rhabdonema</i> <i>japonicum</i> Tp. Br. | <i>Teshiogori</i> |
| 441. <i>Actinocyclus</i> <i>boryanus</i> Pant. | <i>Bory</i> ⁸³² / ₁ |
| 442. <i>Actinocyclus</i> <i>Lóczyi</i> n. s. | <i>Kavna-Bremia</i> ⁸³² / ₁ |
| 443. <i>Campylodiscus</i> <i>Brassayi</i> n. s. | <i>Bory</i> |
- Vergrößerung ⁵⁰⁰/₁



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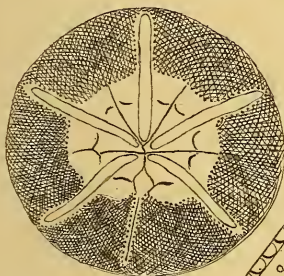
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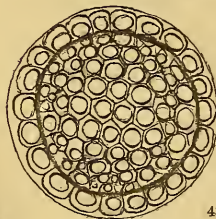
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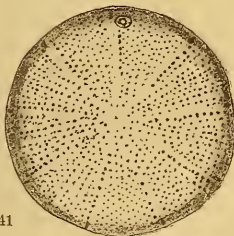
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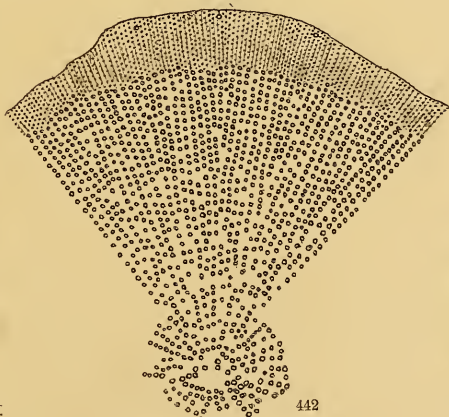
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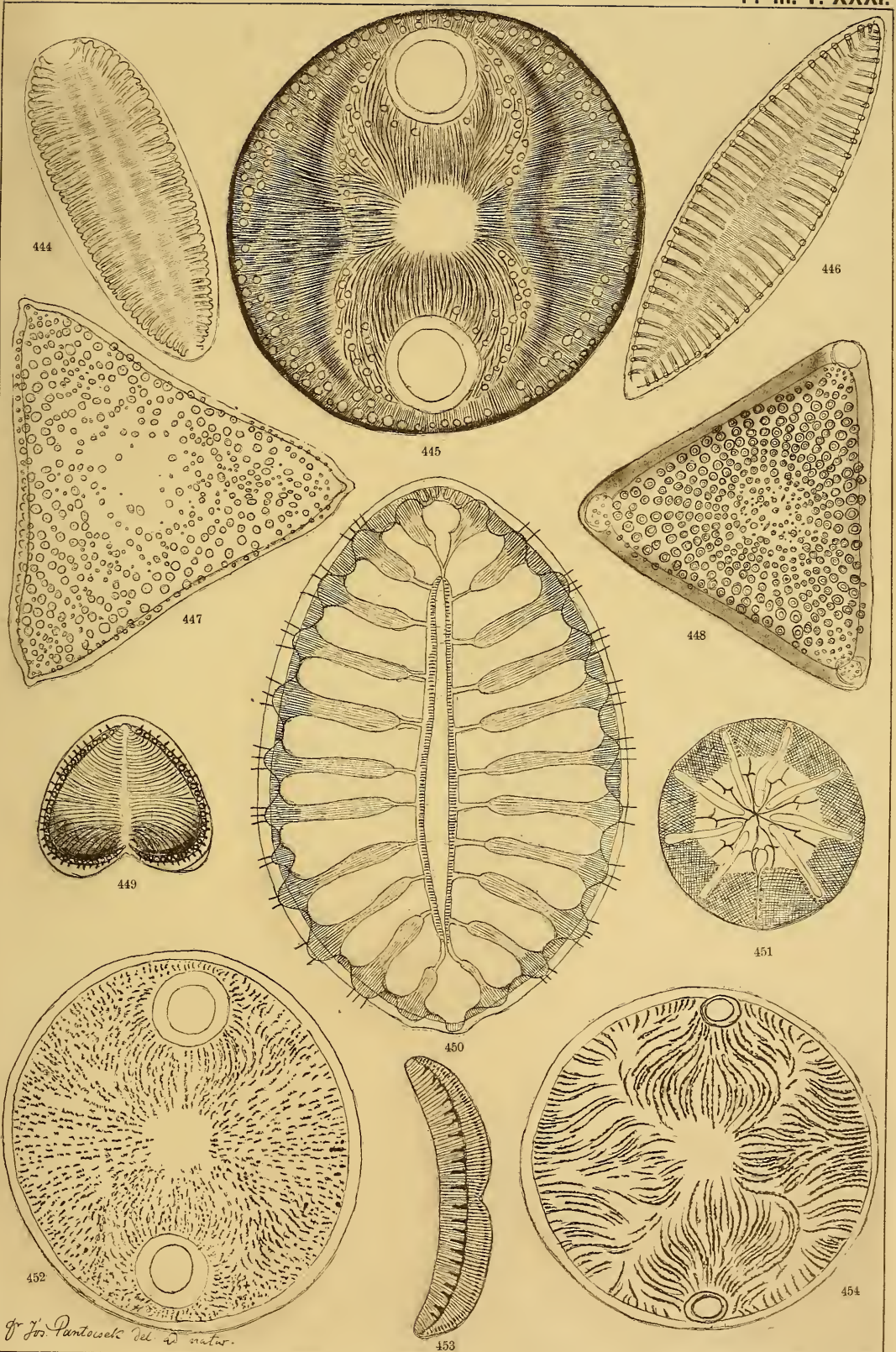


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Tafel XXXI.

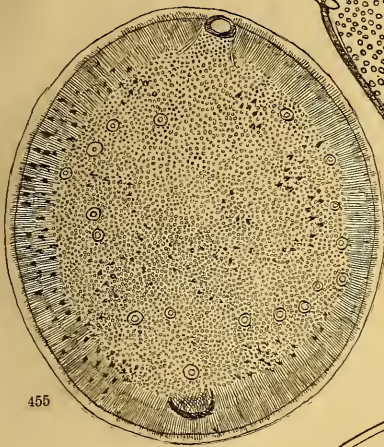
- | | |
|--|---|
| 444. <i>Surirella Kinkerii</i> n. s. | <i>Nyermegy</i> ⁵⁰⁰ / ₁ |
| 445. <i>Auliscus Stœckhartii</i> Jan. var. <i>flavescens</i> n. s. | <i>Sendai</i> ⁶⁰⁰ / ₁ |
| 446. <i>Surirella lanceolato-cuspidata</i> n. s. | <i>Bodos</i> ⁵⁰⁰ / ₁ |
| 447. <i>Trinacria præcellens</i> n. s. | <i>Kusnetzki</i> ⁵⁰⁰ / ₁ |
| 448. <i>Triceratium cucullatum</i> Pant. var. <i>validior</i> | <i>Kusnetzki</i> ⁶⁰⁰ / ₁ |
| 449. <i>Campylodiscus Grunowii</i> n. s. | <i>Kavna-Bremia</i> ⁵⁰⁰ / ₁ |
| 450. <i>Surirella fastuosa</i> E. var. <i>fossilis</i> Pant. | <i>Bory</i> ⁸³² / ₁ |
| 451. <i>Asteromphalus hungaricus</i> Pant. | <i>Kavna-Bremia</i> ⁵⁰⁰ / ₁ |
| 452. <i>Auliscus Haradae</i> n. s. | <i>Sendai</i> ⁶⁰⁰ / ₁ |
| 453. <i>Auricula Grunowii</i> n. s. | <i>Nyermegy</i> ⁶⁰⁰ / ₁ |
| 454. <i>Auliscus Jimboi</i> n. s. | <i>Sendai</i> ⁶⁰⁰ / ₁ |



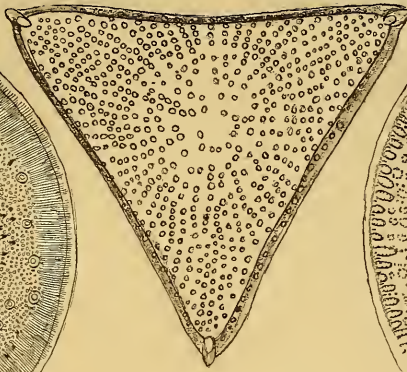
Dr. J. S. Pantofole del. et nat.

Tafel ~~XXXII~~.

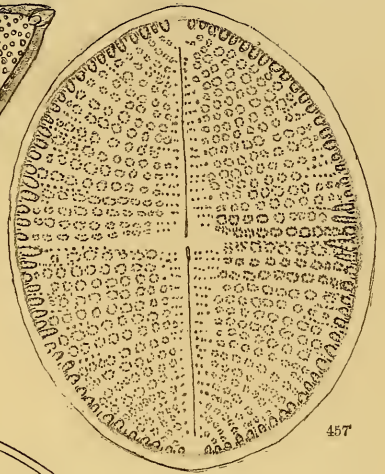
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| 455. <i>Cerataulus Peragalloi</i> n. s. | <i>Kavna-Bremia</i> ⁵⁰⁰ / ₁ |
| 456. <i>Trinacria antiqua</i> n. s. | <i>Kusnetzki</i> ⁵⁰⁰ / ₁ |
| 457. <i>Cocconeis formosa</i> Br. | <i>Wembets</i> |
| 458. <i>Pyxilla directa</i> n. s. | <i>Nagy-Kürtös</i> |
| 459. <i>Haynaldella antiqua</i> n. g. et spec. | <i>Bory</i> |
| 460. <i>Hemiaulus Grunowii</i> n. s. | <i>Kusnetzki</i> |
| 461. <i>Navicula latissima</i> Grg. var. <i>capitata</i> Pant. | <i>Bory</i> |
| 462. <i>Navicula turgidula</i> n. s. | <i>Bory</i> |
| 463. <i>Cerataulus boryanus</i> Pant. | <i>Bory</i> |
| 464. <i>Navicula seriosa</i> n. s. | <i>Bory</i> |
| 465. <i>Cocconeis pellucida</i> Grun. var. <i>fossilis</i> n. v.
Vergrößerung ⁶⁰⁰ / ₁ | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |



455



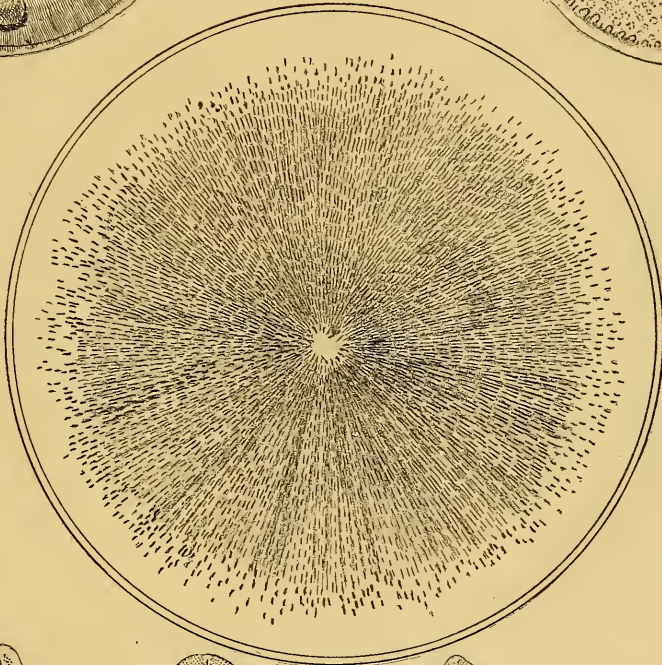
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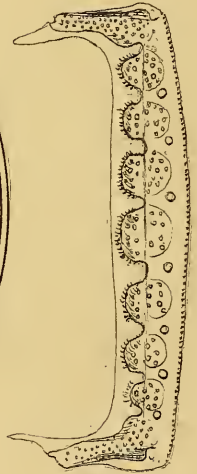
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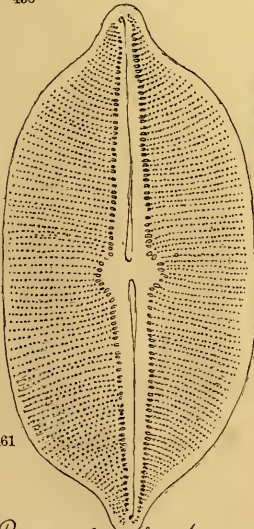
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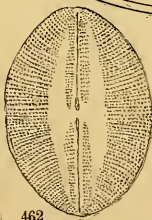
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460



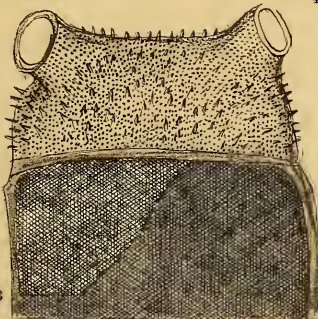
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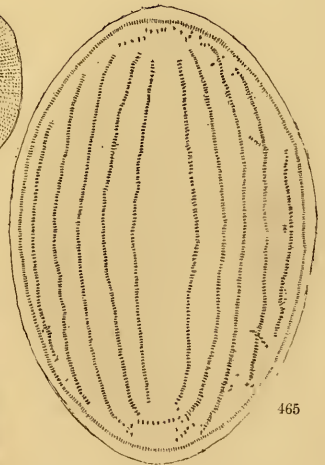
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464



463

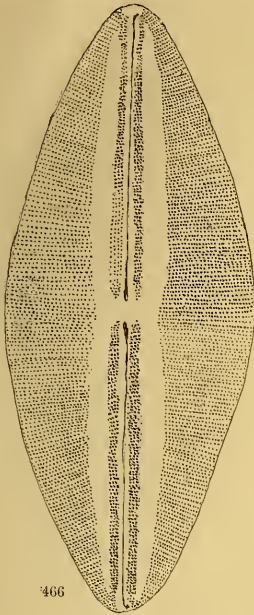


465

J. J. Pantocsek Del. ad natur.

Tafel ~~XXXIII~~ **XXXIII**.

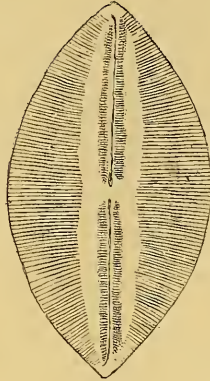
466. *Navicula Lyra* E. var. *producta* Pant. *Nagy-Kürtös* ⁴⁵²/₁
467. *Rhabdonema musica* Br. *Abashiri*
468 *Navicula Lyra* E. var. *acuta* Pant. *Nagy-Kürtös* ⁴⁵²/₁
469, 470. *Rhabdonema Mikado* n. s. *Thesiogori*
471. *Coscinodiscus Peragalloi* n. s. *Thesiogori* ⁶⁰⁰/₁
472 *Rutilaria capitata* Tp. Br. *Thesiogori*
473. *Navicula Reusil* n. s. *Thesiogori* ⁶⁰⁰/₁
474. *Rutilaria Kernerii* n. s. *Thesiogori*
475. *Paralya Debyi* n. s. *Bory*
476. *Triceratium boryanum* Pant. *Bory* ⁶⁰⁰/₁
477. *Podosira constricta* n. s. *Bory*
478. *Rutilaria longicornis* Tp. Br. *Thesiogori*
- Vergrößerung ⁵⁰⁶/₁



466



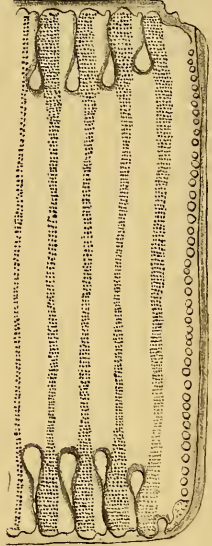
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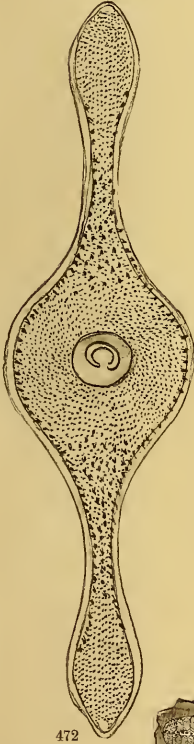
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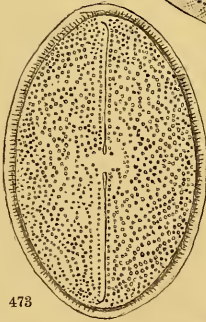
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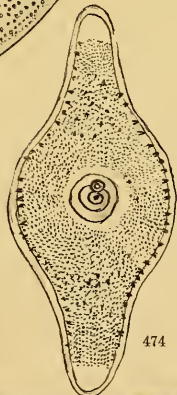
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472



473



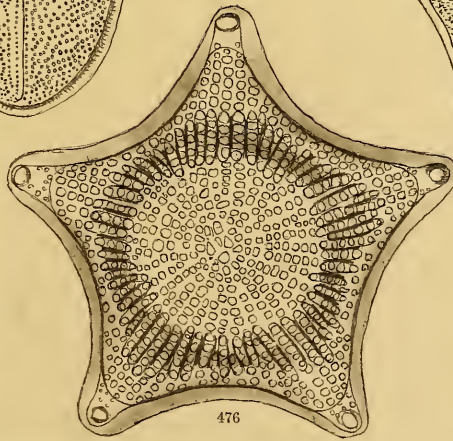
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476

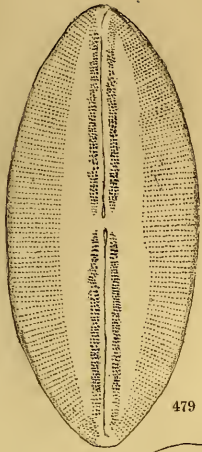


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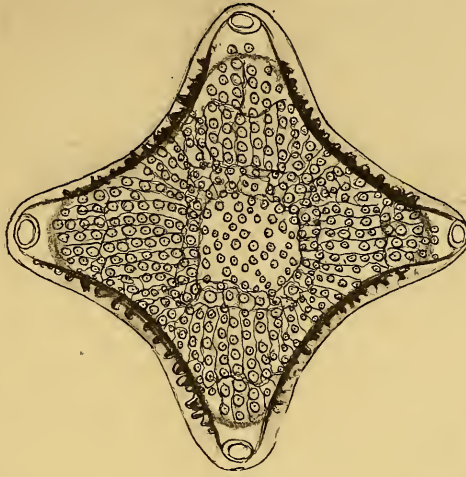
f. J. Rantsoeck. Gel. ad nat.

Tafel ~~XXXIV~~^v.

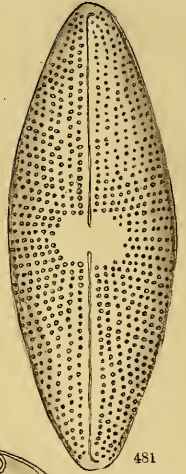
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| 479. <i>Navicula Lyra</i> E. var. <i>hungarica</i> n. v. | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |
| 480. <i>Triceratium junctum</i> A. S. var. <i>fossilis</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 481. <i>Navicula confoederata</i> | <i>Richmond</i> ⁶⁰⁰ / ₁ |
| 482. <i>Cocconeis De Toniana</i> n. s. | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |
| 483. <i>Biddulphia crassiuscula</i> n. | <i>Kusnetzk</i> ⁶⁰⁰ / ₁ |
| 484, 488. <i>Ethmodiscus russicus</i> Pant. | <i>Kusnetzk</i> ⁵⁰⁰ / ₁ |
| 485. <i>Cymatopleura gigantea</i> n. s. | <i>Köpecz</i> ⁵⁰⁰ / ₁ |
| 486. <i>Pyrgodiscus Kinkerii</i> n. s. | <i>Mors</i> ⁶⁰⁰ / ₁ |
| 487. <i>Trinacria hystrix</i> Pant. (sub. <i>Tricer.</i>) | <i>Kusnetzk</i> ⁶⁰⁰ / ₁ |
| 489. <i>Rhabdonema musica</i> Br. | <i>Abashiri</i> ⁵⁰⁰ / ₁ |



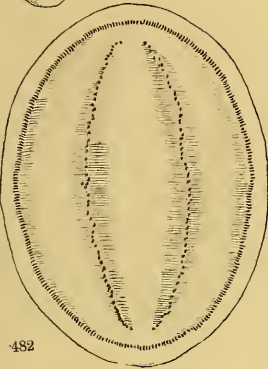
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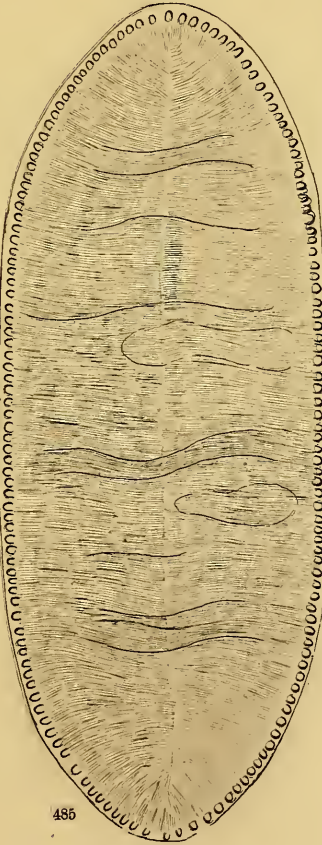
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481



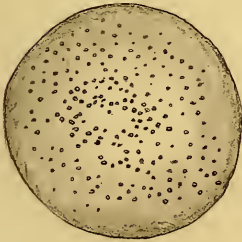
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485



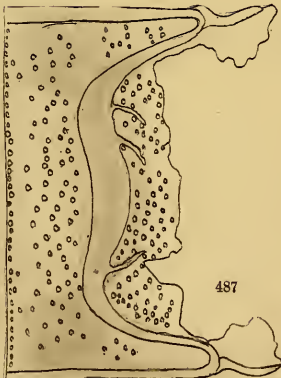
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Tafel ~~XXXV~~.

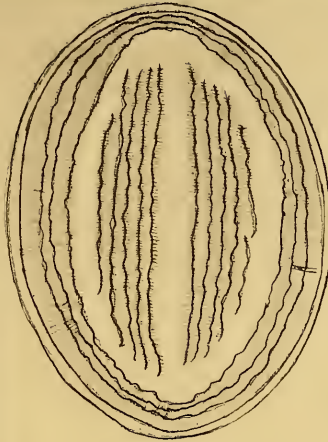
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| 490. <i>Navicula Mantichora</i> n. s. | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |
| 491. <i>Pyxilla carinifera</i> Grun. var. <i>russica</i> n. v. | <i>Kusnetzki</i> ⁶⁰⁰ / ₁ |
| 492. <i>Cocconeis notabilis</i> n. s. | <i>Wembets</i> ⁶⁰⁰ / ₁ |
| 493. <i>Odontella pygmaea</i> n. s. | <i>Bory</i> ⁵⁰⁰ / ₁ |
| 494. <i>Navicula margariifera</i> n. s. | <i>Nagy-Kürtös</i> ⁶⁰⁰ / ₁ |
| 495. <i>Amphora sejuncta</i> n. s. | <i>Köpecz</i> ⁶⁰⁰ / ₁ |
| 496. <i>Rhizosolenia squamosa</i> n. s. | <i>Nyermegy</i> ⁶⁰⁰ / ₁ |
| 497. <i>Coscinodiscus Boeckhii</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |
| 498. <i>Amphora Lunyacsekii</i> Pant. | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |
| 499. <i>Navicula decumana</i> n. s. | <i>Köpecz</i> ⁵⁰⁰ / ₁ |
| 500. <i>Biddulphia permagna</i> Pant. | <i>Bory</i> ⁴⁵² / ₁ |
| 501. <i>Campylodiscus contortus</i> n. s. | <i>Köpecz</i> ⁵⁰⁰ / ₁ |
| 502. <i>Triceratium junctum</i> A. S. var. <i>fossilis</i> Pant. | <i>Bory</i> ⁶⁰⁰ / ₁ |



490



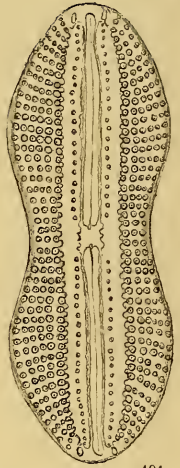
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493



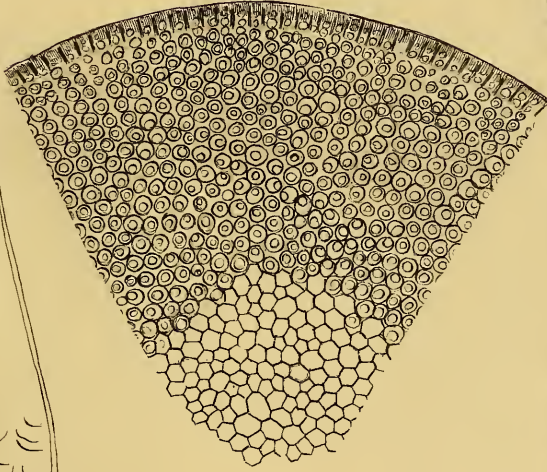
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496



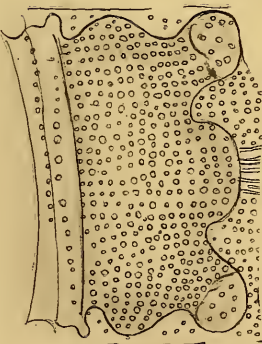
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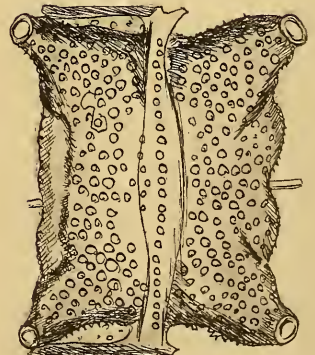
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501

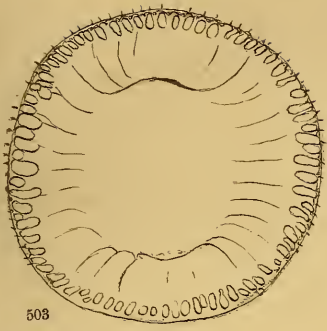


502

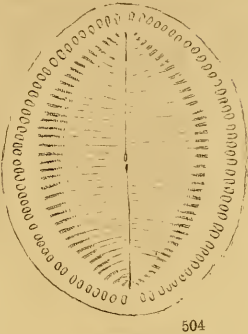
Pro. Pantocsek Del. et mat.

Tafel ~~XXXVI~~^v.

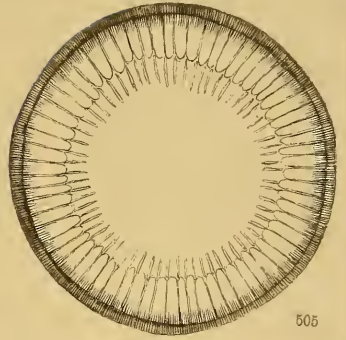
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| 503. <i>Campylodiscus szakalensis</i> n. s. | <i>Szakal</i> |
| 504. <i>Cocconeis Pethői</i> n. s. | <i>Borostelek</i> ⁵⁰⁰ / ₁ |
| 505. <i>Melosira Peragalloii</i> n. s. | <i>Szakal</i> |
| 506. <i>Podosira constricta</i> n. s. lat. valv. | <i>Bory</i> ⁵⁰⁰ / ₁ |
| 507. <i>Cyclotella radiato-punctata</i> n. s. | <i>Köpecz</i> |
| 508. <i>Berkeleya neogradensis</i> n. s. | <i>Szelcz</i> |
| 509. <i>Cocconeis dubravicensis</i> n. s. | <i>Dubravica</i> |
| 510. <i>Navicula pervasta</i> n. s. | <i>Izopallaga-Serges</i> ⁵⁰⁰ / ₁ |
| 511. <i>Cyclotella transylvanica</i> n. s. var. <i>disseminato-punctata</i> n. v. | <i>Köpecz</i> |
| 512. <i>Cymbella praeclara</i> n. s. | <i>Köpecz</i> |
| 513. <i>Triceratium Staubii</i> n. s. | <i>Szakal</i> |
| 514. <i>Triceratium antipodum</i> n. s. | <i>Oamaru</i> |
| 515. <i>Triceratium De Tonii</i> n. s. | <i>Szakal</i> |
- Vergrößerung ⁶⁰⁰/₁



503



504



505



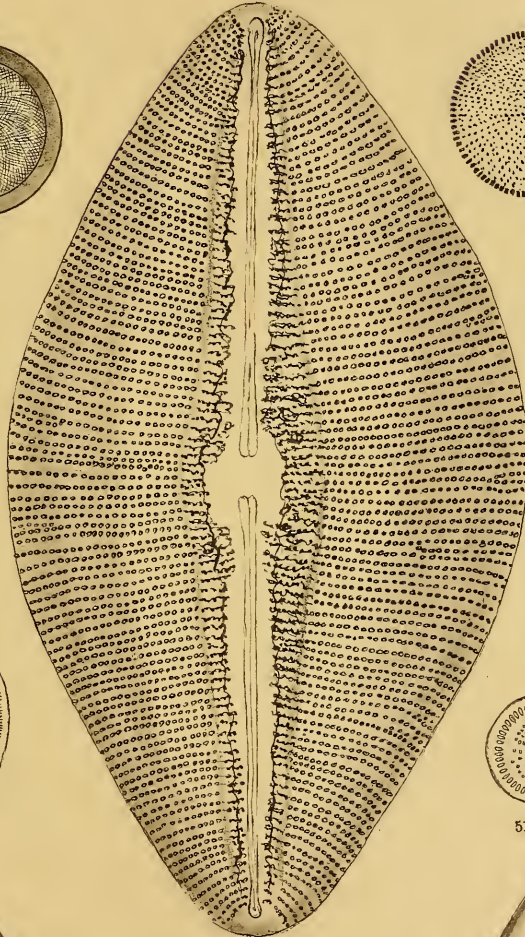
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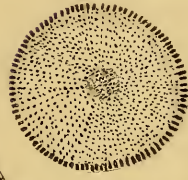
506



509



510



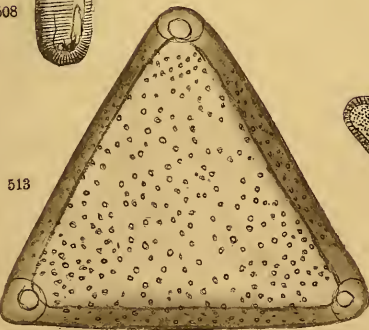
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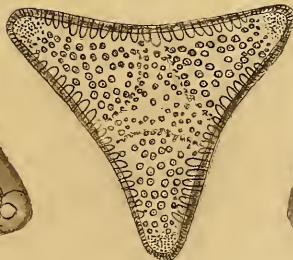
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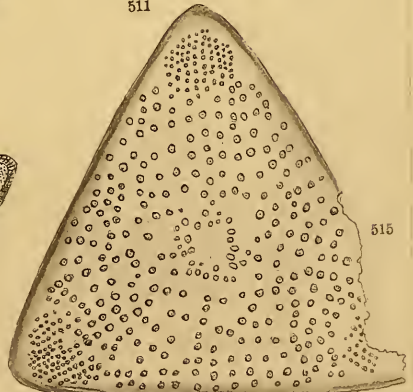
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514



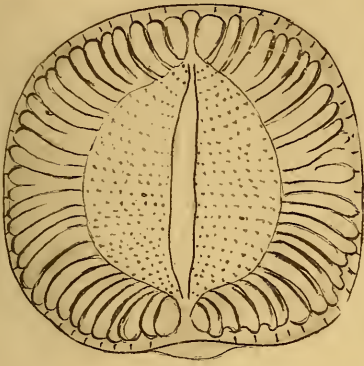
515

F. Vos. Pantocsek. del. ad natur.

Tafel ^vXXXVII.

- | | |
|--|---|
| 516. <i>Campylodiscus crassus</i> n. s. | <i>Káránd</i> |
| 517. <i>Campylodiscus squamosus</i> n. s. | <i>Borostelek</i> ⁵⁰⁰ / ₁ |
| 518. <i>Campylodiscus neogradensis</i> n. s. | <i>Szakal</i> |
| 519. <i>Mastogloia Pethői</i> n. s. | <i>Káránd</i> |
| 520. <i>Mastogloia Smithii</i> Thwait. | <i>Káránd</i> |
| 521, 523. <i>Hemiaulus rostratus</i> n. s. | <i>Káránd</i> |
| 522. <i>Actinoptychus Imperator</i> n. s. | <i>S. Redondo Calif.</i> |
| 524. <i>Triceratium biharensense</i> n. s. | <i>Borostelek</i> |
| 525. <i>Anisodiscus Pantocsekii</i> Grun. | <i>Szelcz</i> ⁸³² / ₁ |
| 526. <i>Triceratium caducum</i> n. s. | <i>Kusnetzki</i> ⁵⁰⁰ / ₁ |

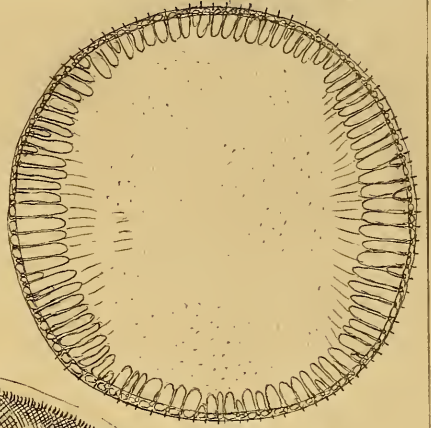
Vergrößerung ⁶⁰⁰/₁



516



517



518



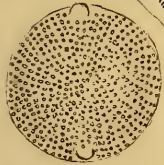
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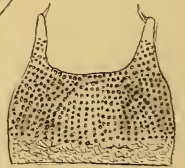
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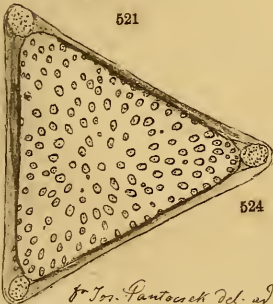
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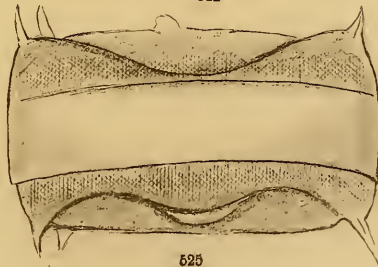
521



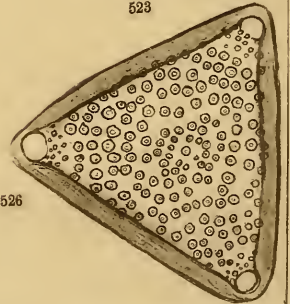
523



524



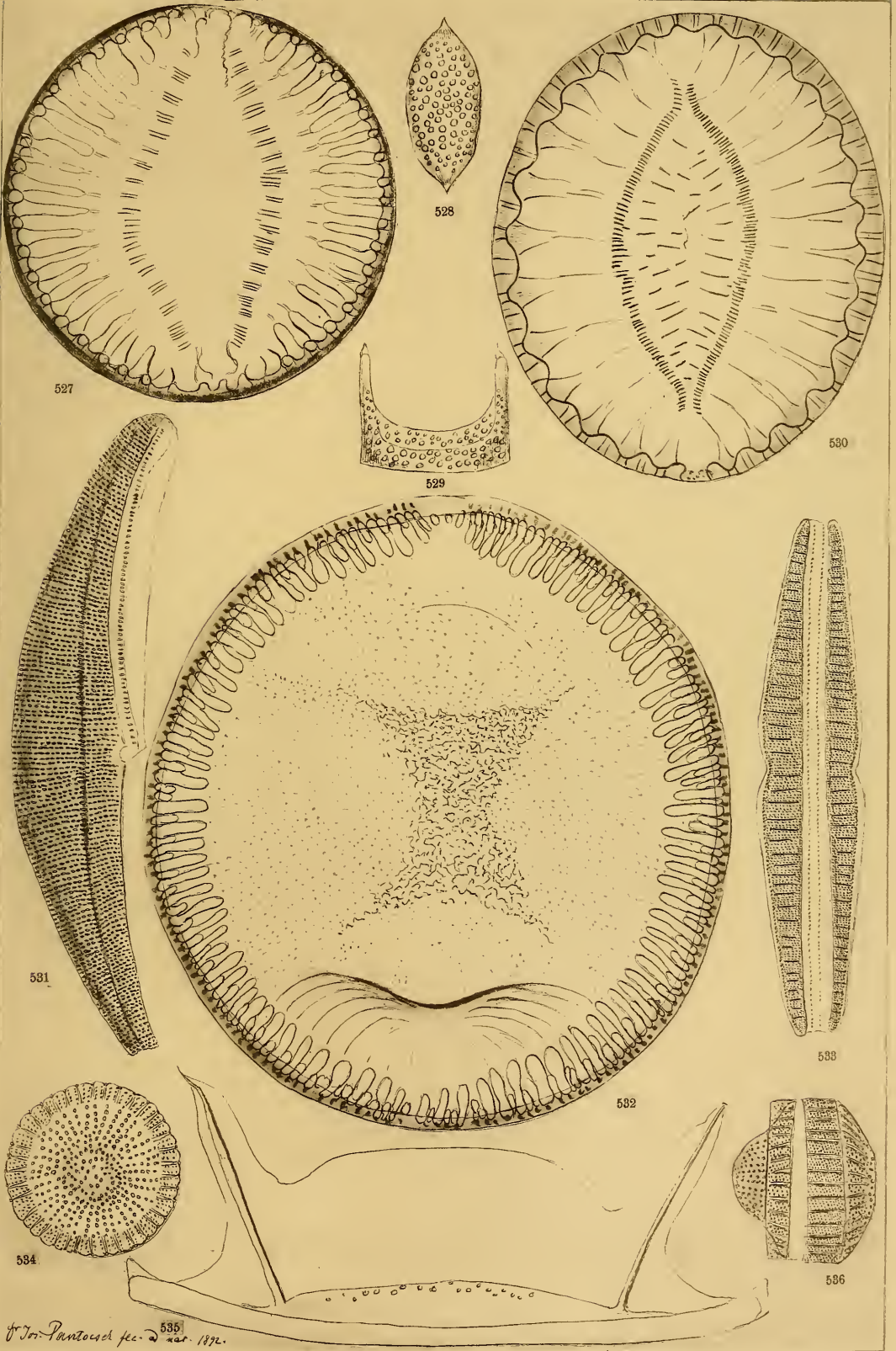
525



526

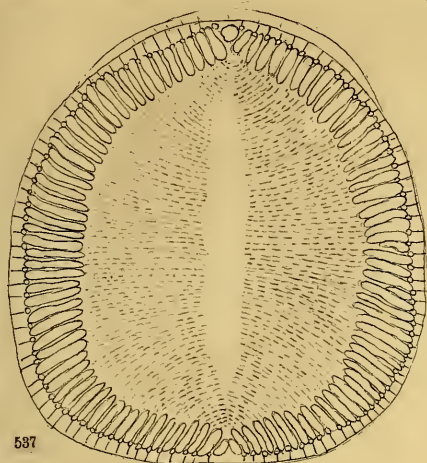
Tafel ~~XXX~~^vVIII.

- | | |
|--|---|
| 527. <i>Surirella Toulae</i> n. s. | <i>Baldjich</i> ⁵⁰⁰ / ₁ |
| 528, 529. <i>Hemiaulus biharensis</i> n. s. | <i>Borostelek</i> |
| 530. <i>Surirella subfastuosa</i> n. s. | <i>Káránd</i> |
| 531. <i>Amphora boryana</i> Pant. | <i>Bory</i> ⁴⁵² / ₁ |
| 532. <i>Campylodiscus dilatatus</i> n. s. | <i>Káránd</i> |
| 533. <i>Epithemia incisa</i> n. s. | <i>Káránd</i> |
| 534, 536. <i>Stictodiscus hungaricus</i> n. s. | <i>Káránd</i> |
| 535. <i>Odontotropis vitrea</i> n. s. | <i>Szakai</i> |
- Vergrößerung ⁶⁰⁰/₁



Tafel ~~XXXIX~~.

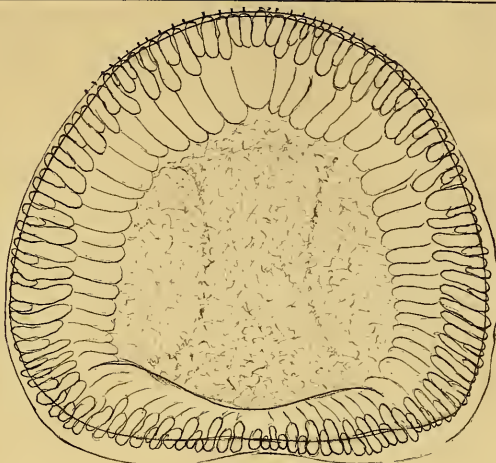
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|--|---|
| 537. <i>Campylodiscus Bergonii</i> n. s. | <i>Nyermegy</i> |
| 538. <i>Navicula filiformis</i> n. s. | <i>Nyermegy</i> ⁵⁰⁰ / ₁ |
| 539. <i>Campylodiscus reticulatus</i> n. s. | <i>Borostelek</i> |
| 540. <i>Stictodiscus Szontághii</i> n. s. | <i>Izsofallaga-Serges</i> |
| 541. <i>Trinacria Muellerii</i> n. s. | <i>Oamaru</i> |
| 542. <i>Podosira transylvanica</i> n. s. | <i>Köpecz</i> ³³² / ₁ |
| 543. <i>Amphiprora striata</i> n. s. | <i>Nyermegy</i> |
| 544. <i>Surirella signata</i> n. s. | <i>Borostelek</i> |
| 545. <i>Actinoptychus maculosus</i> n. s. | <i>Oamaru</i> |
| 546. <i>Melosira arenaria</i> More var. <i>hungarica</i> n. v. | <i>Bory</i> ⁵⁰⁰ / ₁ |
| 547. <i>Amphiprora punctata</i> n. s. | <i>Nyermegy</i> |
- Vergrößerung ⁶⁰⁰/₁



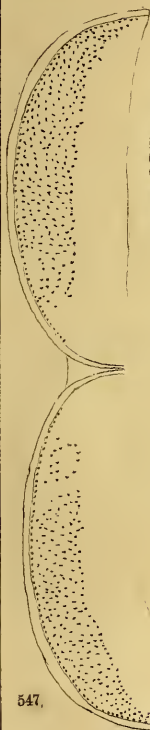
537



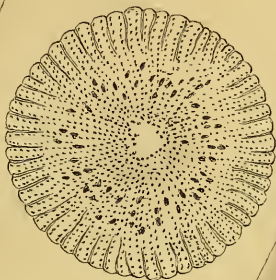
538



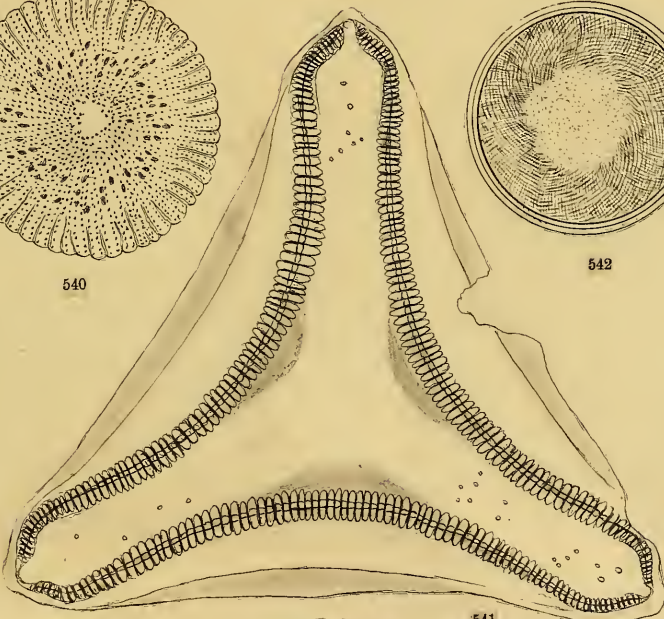
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547



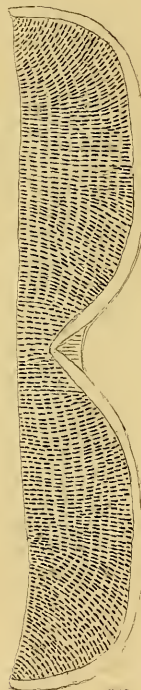
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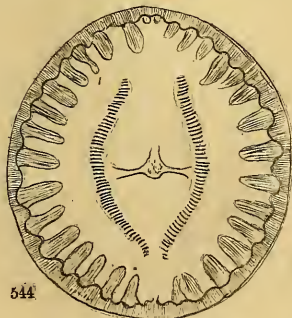
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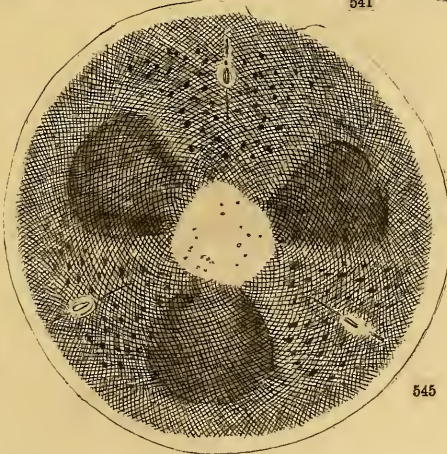
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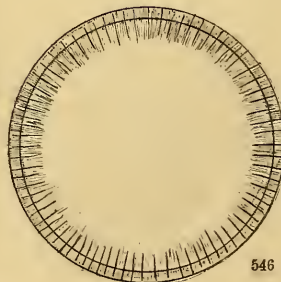
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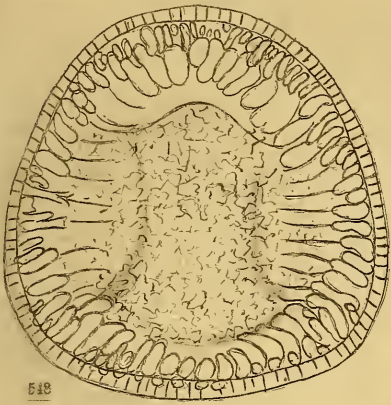


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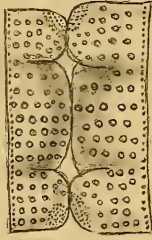
Dr. J. Pantocsek del. et. nit. 1892

Tafel ^vXL.

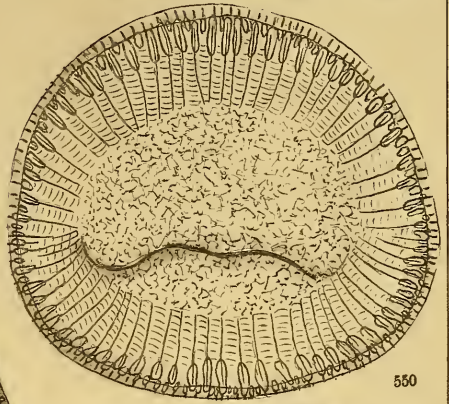
- | | |
|--|---|
| 548. <i>Campylodiscus bremanus</i> n. s. | <i>Kacna-Bremia</i> |
| 549. <i>Triceratium biharensense</i> n. s. lat. con. | <i>Borostelek</i> |
| 550. <i>Campylodiscus boryanus</i> n. s. | <i>Bory</i> ⁵⁰⁰ / ₁ |
| 551. <i>Pyxilla vasta</i> n. s. | <i>Szakal</i> |
| 552. <i>Navicula nigricans</i> n. s. | <i>Bory</i> |
| 553. <i>Navicula subfusca</i> n. s. | <i>Izsopallaga-Serges</i> ⁵⁰⁰ / ₁ |
| 554. <i>Triceratium elatum</i> n. s. | <i>Káránd</i> |
| 555. <i>Melosira arenaria</i> More var. <i>hungarica</i> n. v. | <i>Bory</i> ⁵⁰⁰ / ₁ |
| 556. <i>Triceratium vastum</i> n. s. | <i>Borostelek</i> |
- Vergrößerung ⁶⁰⁰/₁



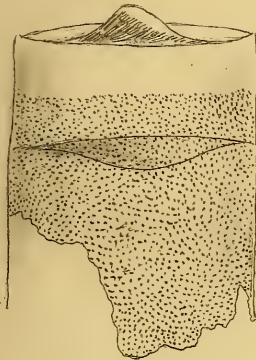
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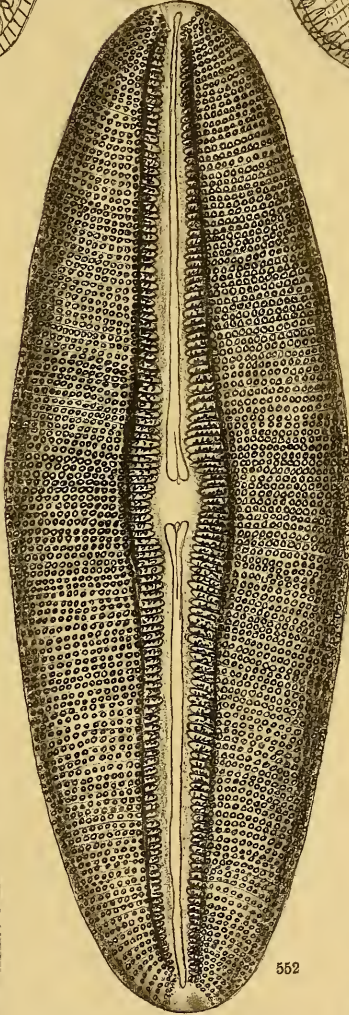
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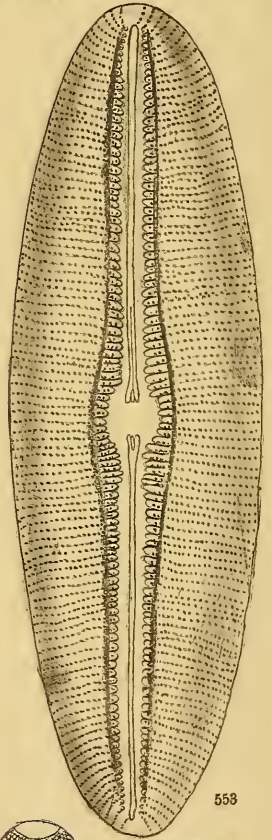
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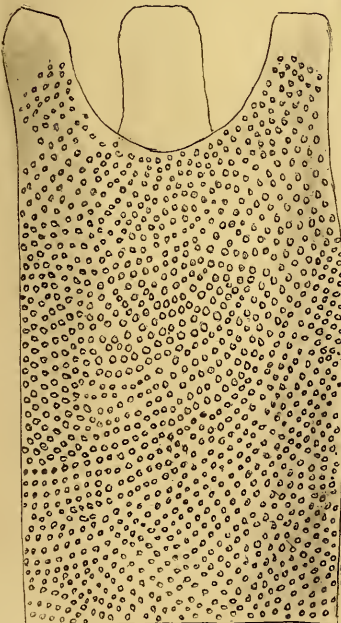
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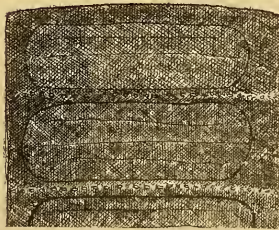
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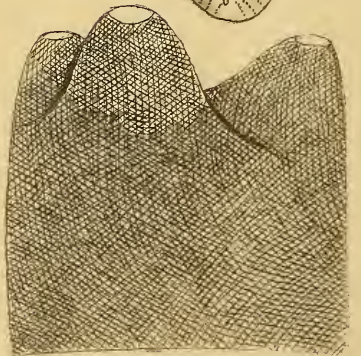
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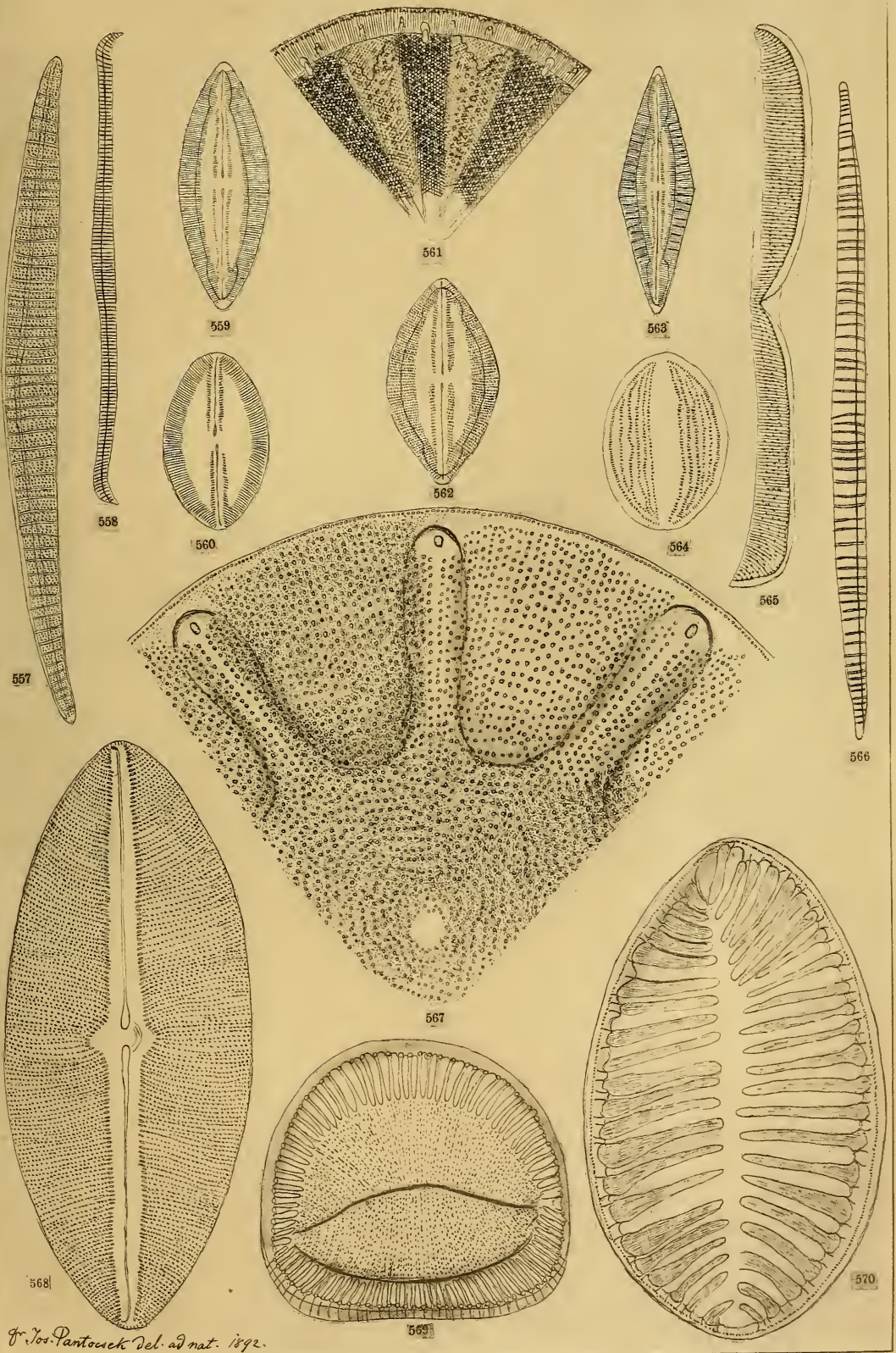
556

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Tafel ~~XLI~~^v.

- | | |
|--|--|
| 557. <i>Epithemia tertiaria</i> n. s. | <i>Nyermegy</i> |
| 558. <i>Epithemia gibba</i> (E.) Kg. var. <i>boryana</i> Pant. | <i>Bory</i> ³³² / ₁ |
| 559. <i>Mastogloia neogena</i> n. s. | <i>Nyermegy</i> |
| 560. <i>Navicula difcilis</i> n. s. | <i>Nyermegy</i> |
| 561. <i>Actinoptychus spinifer</i> n. s. | <i>Sct. Monica</i> |
| 562. <i>Mastogloia Kinkerii</i> n. s. | <i>Nyermegy</i> |
| 563. <i>Mastogloia rhomboidalis</i> n. s. | <i>Nyermegy</i> |
| 564. <i>Cocconeis Lunyacsekii</i> n. s. | <i>Nagy-Kürtös</i> ⁴⁵² / ₁ |
| 565. <i>Amphiprora Pethői</i> n. s. | <i>Káránd</i> |
| 566. <i>Nitzschia costata</i> n. s. | <i>Nyermegy</i> |
| 567. <i>Aulacodiscus Jimboi</i> | <i>Sendai</i> ⁵⁰⁰ / ₁ |
| 568. <i>Navicula latissima</i> Greg. | <i>Bory</i> |
| 569. <i>Campylodiscus Bergonii</i> n. s. | <i>Nyermegy</i> |
| 570. <i>Surirella tortquata</i> n. s. | <i>Káránd</i> |

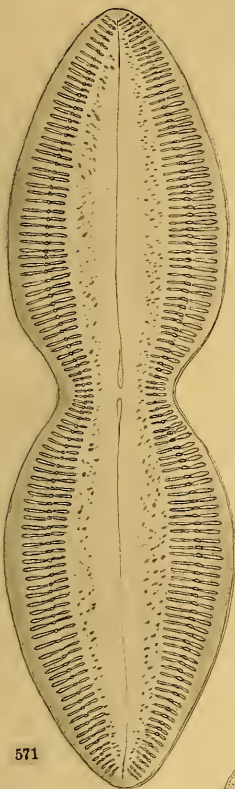
Vergrößerung ⁶⁰⁰/₁



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Tafel XLII.

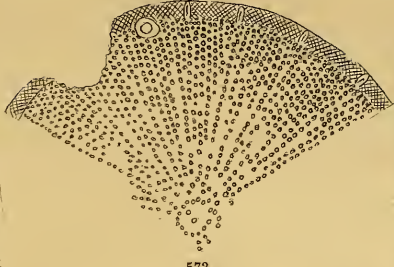
- | | |
|---|---|
| 571. <i>Navicula Kinkeriana</i> n. s. | <i>Neapel</i> |
| 572. <i>Epithemia Pethői</i> Pant. | <i>Bory</i> |
| 573. <i>Actinocyclus neogradensis</i> n. s. | <i>Szelc</i> ⁸³² / ₁ |
| 574. <i>Triceratium Pileus</i> E. var. <i>robustior</i> Pant. | <i>Bory</i> |
| 575. <i>Navicula Trevelyana</i> Douk. var. <i>hungarica</i> n. v. | <i>Nyermegy</i> ⁵⁰⁰ / ₁ |
| 576. <i>Surirella Clementis</i> Grun. | <i>Dubravica</i> |
| 577. <i>Amphiprora biharensis</i> n. s. | <i>Nyermegy</i> |
| 578. <i>Navicula Egeria</i> n. s. | <i>Karna-Bremia</i> |
| 579. <i>Navicula duplex</i> n. s. | <i>Neapel</i> |
| 580. <i>Navicula Orphei</i> n. s. | <i>Nyermegy</i> |
| 581. <i>Pleurosigma biharensis</i> n. s. | <i>Káránd</i> |
| 582. <i>Cocconeis japonica</i> n. s. | <i>Wembets</i> |
| 583. <i>Clavícula Jimboi</i> n. s. | <i>Abashiri</i> ⁸³² / ₁ |
| 584. <i>Cymbella Peragalloi</i> n. s. | <i>Köpecz</i> |
| Vergrößerung ⁶⁰⁰ / ₁ | |



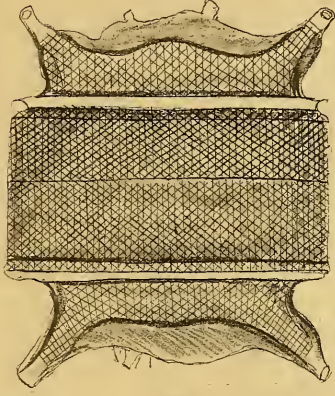
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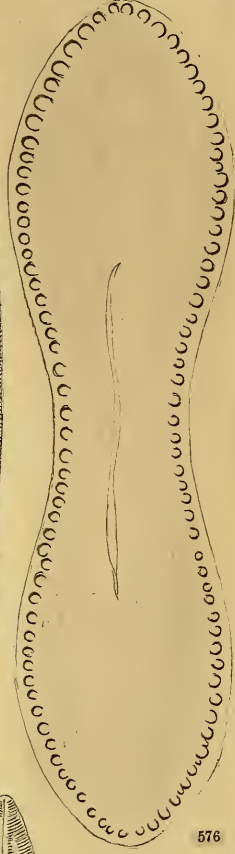
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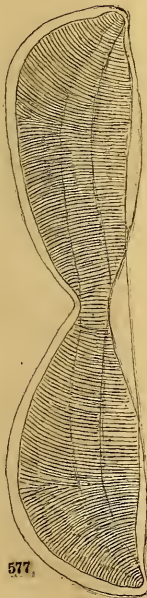
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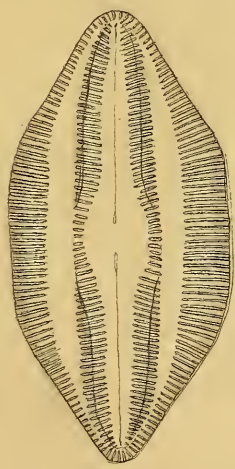
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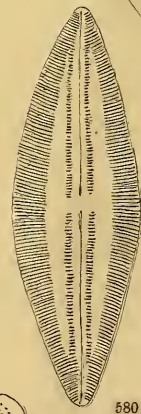
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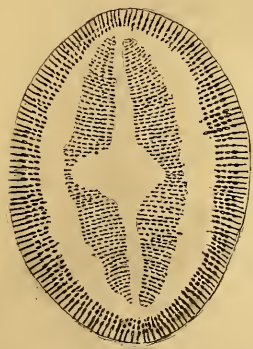
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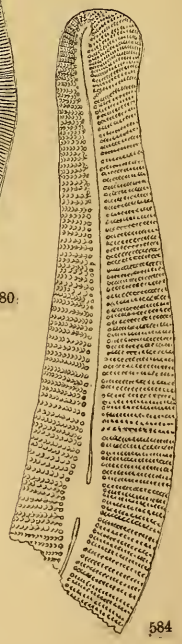
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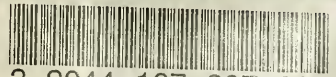
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