

ORCHIDEARUM

SCELETOS.

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COMMISIT

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LONDINI:

TYPIS RICARDI TAYLOR.

1826.

# TRIBUS.

1. §. *Neottieæ*. Pollen simplex v. è granulis laxè cohærentibus.

Tribus I. NEOTTIÆ. Anthera stigmatè parallela erecta.

Tribus II. ARETHUSÆ. Anthera terminalis opercularis.

2. §. *Orchideæ*. Pollen in granulis demùm cereaceis numero indefinitis cohærens.

Tribus III. GASTRODIÆ. Anthera terminalis opercularis.

Tribus IV. OPHRYDÆ. Anthera terminalis erecta v. inversa. Pollinia caudiculata.

3. §. *Epidendreæ*. Pollen in granis demùm cereaceis numero definitis cohærens.

Tribus V. VANDEÆ. Pollinia caudiculâ diaphanâ v. glandulâ stigmati affixa.

Tribus VI. EPIDENDREÆ. Pollinia caudiculis filiformibus pulvereis replicatis stigmati affixa.

Tribus VII. MALAXIDÆ. Pollinia libera; nunc ad apicem materie viscidâ v. pulvereâ aut granulosâ cohærentia.

4. §. *Cypripediæ*. Antheræ laterales fertiles: intermediâ sterili petaloideâ.

Tribus VIII. CYPRIPEDIÆ.

Obs. *Affinitas* ORDINIS summa cum Scitamineis per Neottieas; inferior magisque obscura cum Asphodeleis per Thelymitram et Junceis per Malaxideas.

# G E N E R A.

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## Tribus I. NEOTTIÆ.

(Orchidearum Sect. 2. *Brown in Hort. Kew.* 5. 197.)

1. Pelexia, *Poiteau.*
2. Goodyera, *R. Br.*
3. Physurus, *Rich.*
4. \*Hæmaria (*Goodyera discolor*, *Ker.*).
5. Thelymitra, *Forst.*
6. Diuris, *Smith.*
7. Epiblema, *R. Br.*
8. Cryptostylis, *R. Br.*
9. Orthoceras, *R. Br.*
10. Prasophyllum, *R. Br.*
- ? 11. Cranichis, *Swartz.*
12. \*Chloræa (*Epipactis &c. Gavilu*, *Feuillée.*)
13. Ponthieva, *R. Br.*
14. Genoplesium, *R. Br.*
15. Neottia, *L.*
16. Listera, *R. Br.*
17. Spiranthes, *Rich.*
18. \*Zeuxina. (*Spiranthoidea capensis* *labello cum columnâ connato.*)
19. Stenorhynchus, *Rich.*
20. Calochilus, *R. Br.*
21. \*Synassa. (*Peruviana in herbario Lambertiano.*)

Obs. Genera distribuenda secundum structuram labelli et columnæ; Arethuseis affinia per Synassam, Epidendreis per Chloræam, Gastroideis per Cranichin?, Malaxideis per Listeram et Prasophyllum.

## Tribus II. ARETHUSEÆ.

(Orchidearum Sect. 3. *Brown in Hort. Kew. l. c.*)

22. *Arethusa*, Swartz.
23. *Limodorum*, Tourn.
24. *Calopogon*, R. Br.
25. *Pogonia*, Juss.
26. *Eriochilus*, R. Br.
27. *Pterostylis*, R. Br.
28. *Glossodia*, R. Br.
29. *Lyperanthus*, R. Br.
30. *Caladenia*, R. Br.
31. *Chiloglottis*, R. Br.
32. *Cyrtostylis*, R. Br.
33. *Corysanthes*, R. Br.
34. *Caleana*, R. Br.
35. *Microtis*, R. Br.
36. *Epipactis*, Swartz.
37. *Corallorhiza*, Haller.

Obs. Tribus per *Limodorum* transit in *Ophrydeas*, per *Arethusam* in *Neottieas*, per *Corallorhizam*, cujus pollen semper vidi in granulis subsimplicibus separabile, in *Vandeas* et *Malaxideas*.

## Tribus III. GASTRODIEÆ.

(Orchidearum Sēct. 4. Brown prodrom. fl. N. Holl.  
p. 330.)

38. *Gastrodia*, R. Br.  
 39. *Epipogium*, R. Br.  
 40. *Prescotia*, Lindl. (An *Craniches* quædam, præsertim *C. stachyodes*, hujus generis?)  
 ? 41. *Hysteria*, Reinwardt. (Nomen Fungi. An *Ophrydea*?)
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42. *Epistephium*, Kunth. (Vanillæ proximum monente amico Brown.)  
 43. *Vanilla*, Swartz.

Obs. *Epistephium* et *Vanilla* proximæ sunt *Epidendreis*, *Prescotia* hinc *Malaxideis* inde *Neottieis* mediante *Cranichi*, *Epipogium* *Arethuseis*.

## Tribus IV. OPHRYDEÆ.

(Orchidearum Sect. 1. *Brown in Hort. Kew. l. c.*)Sect. 1. *Anthera erecta.*

44. *Orchis*, *L.*  
 45. *Glossula*, *Lindl.*  
 46. *Anacamptis*, *Rich.*  
 47. *Nigritella*, *Rich.*  
 ?? 48. *Diplomeris*, *Don.* (*An vitiosè descripta?*)  
 49. *Aceras*, *R. Br.*  
 50. *Ophrys*, *L.*  
 51. *Serapias*, *L.*  
 52. *Altensteinia*, *Kunth.*

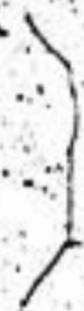
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53. *Disa*, *Bergius.*  
 54. *Habenaria*, *W.*  
 55. *Gymnadenia*, *R. Br.*  
 - 56. *Bonatea*, *W.*  
 57. *Platanthera*, *Rich.*  
 58. *Chamorchis*, *Rich.*  
 59. *Herminium*, *R. Br.*  
 60. *Holothrix*, *Rich.*  
 61. *Dryopæia*, *Pet. Th.*

Sect. 2. *Anthera resupinata v. horizontalis.*

- ? 62. *Bartholina*, *R. Br.*

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63. *Repandra*, *Lindl.*  
 64. *Pterygodium*, *Swartz.*

65. *Disperis*, Swartz.  
 66. *Satyrium*, Swartz.  
 67. *Corycium*, Swartz.



Obs. Ophrydeæ, nucleum ordinis constituentes, characteribus strictissimis a polline desumptis circumscribuntur. Ab Orchide transitio fit in Vandeeas et Arethuseas, ab Herminio, in Malaxideas. Sectiones dividendæ secundum glandulas cucullatas vel nudas.

## Tribus V. VANDEÆ.

(Orchidearum Sectionis ultimæ R. Br. pars.)

68. *Calanthe*, R. Br.
69. *Octomeria*, R. Br.
70. *Arpophyllum*, La Llave.
71. *Pinalia*, Lindl. (V. iconem ad calcem.)
72. *Maxillaria*, Fl. Per.
73. *Polystachya*, Hooker.
74. *Camaridium*, Lindl.
75. *Ornithidium*, Salisb.
76. *Pholidota*, Lindl.
77. *Sunipia*, Lindl. (V. iconem ad calcem.)
78. *Telipogon*, Kunth.
79. *Ornithocephalus*, Hooker.
80. *Cryptarrhena*, R. Br.
81. *Psittacoglossum*, La Llave.
82. *Alamania*, La Llave.
83. *Tipularia*, Nuttall.
84. *Aerides*, Loureiro.
85. *Vanda*, R. Br.
86. *Sarcanthus*, Lindl.
87. *Aeranthes*, Lindl.
88. *Angræcum*, Pet. Thouars.
89. *Cryptopus*, Lindl.
90. *Cœonia*, Lindl.
91. *Ionopsis*, Kunth.
92. *Cymbidium*, Swartz.
93. *Lissochilus*, R. Br.
94. *Geodorum*, Jackson.
95. *Sobralia*, Fl. Per.
96. *Gastrochilus*, Don.

97. *Dipodium*, *R. Br.*  
 98. *Oncidium*, *Swartz.*  
 99. *Macradenia*, *R. Br.*  
 100. *Brassia*, *R. Br.*  
 101. *Odontoglossum*, *Kunth.*  
 102. *Cyrtopodium*, *R. Br.*  
 103. *Cyrtochilum*, *Kunth.*  
 104. *Cuitlauzing*, *La Llave.*  
 105. *Anguloa*, *Fl. Per.*  
 106. *Catasetum*, *Rich.*  
 107. *Eulophia*, *R. Br.*  
 108. *Xylobium*, *Lindl.*  
 109. *Trizeuxis*, *Lindl.*  
 110. *Fernandezia*, *Fl. Per.*  
 111. *Rodriguezia*, *Fl. Per.*  
 112. *Gomezia*, *R. Br.*  
 113. *Cirrhaea*, *Lindl.*  
 114. *Notylia*, *Lindl.*  
 115. *Megaclinium*, *Lindl.*  
 116. *Trichoceros*, *Kunth.*  
 117. *Masdevallia*, *Fl. Per.*  
 118. *Gongora*, *Fl. Per.*

OBS. *Calanthe*, *Tipularia* et *Eulophia*, affines sunt *Ophrydeis*; *Octomeria*, *Maxillaria*, &c. *Malaxideis*; *Notylia* *Neotieis*; *Sobralia* *Epidendreis*. Genera distribuenda secundum numerum polliniorum. Cautè ne pollinia imperfecta, quæ sæpius occurrunt in *Vandeis* et *Epidendreis*, pro completis habeas, ut ego quondam in *Angræco* et *Polystachyâ*, cavendum.

## Tribus VI. EPIDENDRÆ.

(Orchidearum Sectionis ultimæ *R. Br.* pars.)119. *Bletia*, *Fl. Per.*120. *Brassavola*, *R. Br.*121. *Epidendrum*, *L.*122. *Cattleya*, *Lindl.*123. *Broughtonia*, *R. Br.*124. *Isochilus*, *R. Br.*125. \**Dinema*. (*Ep. polybulbon*, *Hooker.*)

Obs. Characteres hujus tribus certissimi transitionem exhibent a Vandeis in Malaxideas. Pollinia in illis caudiculâ sæpius simplice glandulâque colligantur; in Epidendreis colligatio fit imperfecta, caudicula dividitur, glandula deest; in Malaxideis caudicula et glandula semper omninò desunt, et pollinia v. omninò sunt libera, v. materie pulvereâ apicibus tantum cohærent.

## Tribus VII. MALAXIDÆ.

(Orchidearum Sectionis ultimæ *R. Br.* pars.)

126. *Eria*, *Lindl.*  
 127. *Acianthus*, *R. Br.* (In *Aciantho*, exserto vidi pollinia 8 cereacea quaternatim apicibus granulosis co-hærentia.)  
 → 128. *Dendrobium*, *Swartz.*  
 129. *Pachyphyllum*, *Kunth.*  
 130. *Stenoglossum*, *Kunth.*  
 131. *Anisopetalum*, *Hooker.*  
 132. *Restrepia*, *Kunth.*  
 133. *Cœlogyne*, *Lindl.*  
 134. *Malaxis*, *L.*  
 135. *Microstylis*, *Nuttall.*  
 136. *Liparis*, *Rich.*  
 137. *Dienia*, *Lindl.*  
 138. *Empusa*, *Lindl.*  
 139. *Calypso*, *Salisb.*  
 140. *Pleurothallis*, *R. Br.*  
 141. *Stelis*, *Swartz.*  
 142. *Tribrachia*, *Lindl.*  
 143. *Bulbophyllum*, *Pet. Th.*  
 144. *Pedilea*, *Lindl.* (V. iconem ad calcem.)  
 ? 145. *Zygoglossum*, *Reinwardt.*  
 ? 146. *Schœnorchis*, *Reinwardt.*

Obs. Ultima forma ordinis. Cohæsiō pollinis in tribubus præcedentibus quodammodo incompleta, hic, caudiculâ, glandulâ, materieque omni superfluâ semotis, perfecta redditur.

*Tribus VIII. CYPRIPIEDIEÆ.*147. *Cypripedium, L.*

Obs. Hujus tribus affinitas quam maximè obscura; quamdam cum Malaxideis analogiam exhibet mediante *Calypsû*, sed omninò imperfectam. Genera reverà affinia fortè nondum detecta.

## INCERTA VEL TRIBUS INCERTÆ.

## I. TRIBUS INCERTÆ.

148. *Sarcochilus*, *R. Br.*  
 149. *Cirrhópetalum*, *Lindl.* (Huc *Epidendrum umbellatum*, *Forst.*, quod *Cyrtostyli* affine videtur secundum iconem *Forsterianam* et *Dryandri* notulas in schedis, *Banksianis*.)  
 150. *Renanthera*, *Lourcira*. (Forte *Vandea*.)  
 151. *Acriopsis*, *Reinwardt*.  
 152. *Callista*, *Lour.*  
 153. *Thrixspermum*, *Lour.*  
 154. *Galeola*, *Lour.* (*Cranichis* secundum beatum *Swartzium*; vix autem.)

## II. GENERA OMNINÒ INCERTA.

- ? 155. *Isotria*, *Rafinesque*. (Forsan non *Orchidea*.)  
 ? 156. *Diphryllum*, *Rafinesque*. (Uti prior characteribus pessimis confusum.)  
 ? 157. *Ceraia*, *Lourcira*. (Vitiòse descripta, uti omnes ejusdem auctoris *Orchideæ*.)

## EXPLICATIO TABELLARUM.

## 71. PINALIA, Lindl.

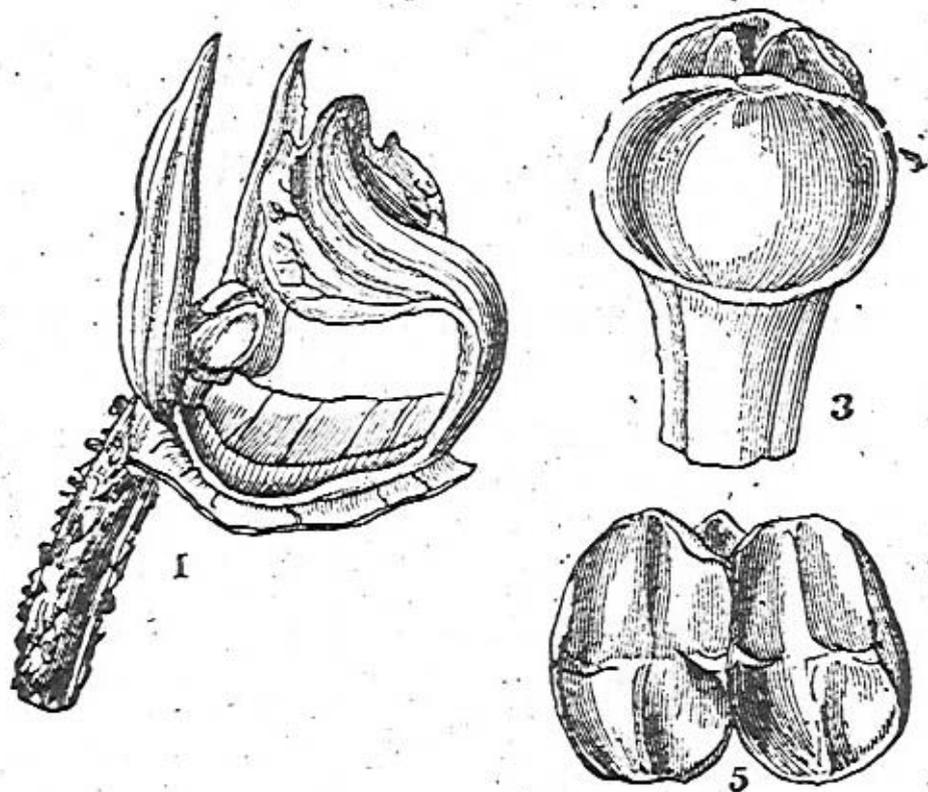
1. Perianthium laciniis exterioribus abscissis. 2. Perianthium integrum. 3. Columna à fronte. 4. Eadem à latere. 5. Anthera vacua. 6. Polliniorum phalanx altera.—*Omnia aucta.*

## 77. SUNIPIA, Lindl.

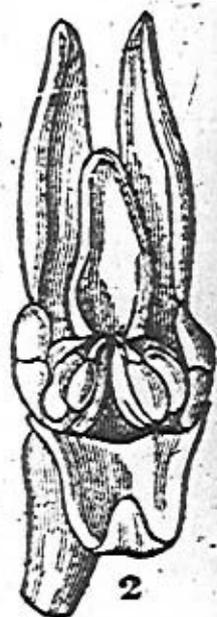
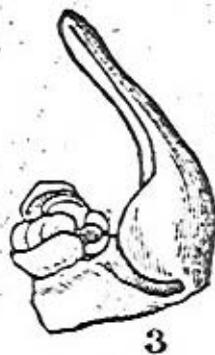
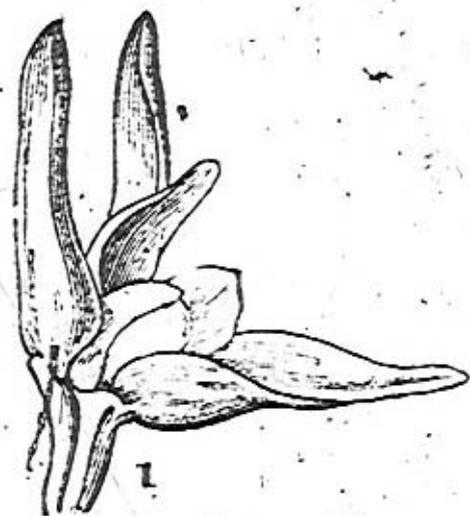
1. Perianthium à latere. 2. Idem anticè. 3. Columna cum labello. 4. Columna à fronte. 5. Eadem sine polliniis. 6. Labellum. 7. Pollinia.—*Omnia aucta.*

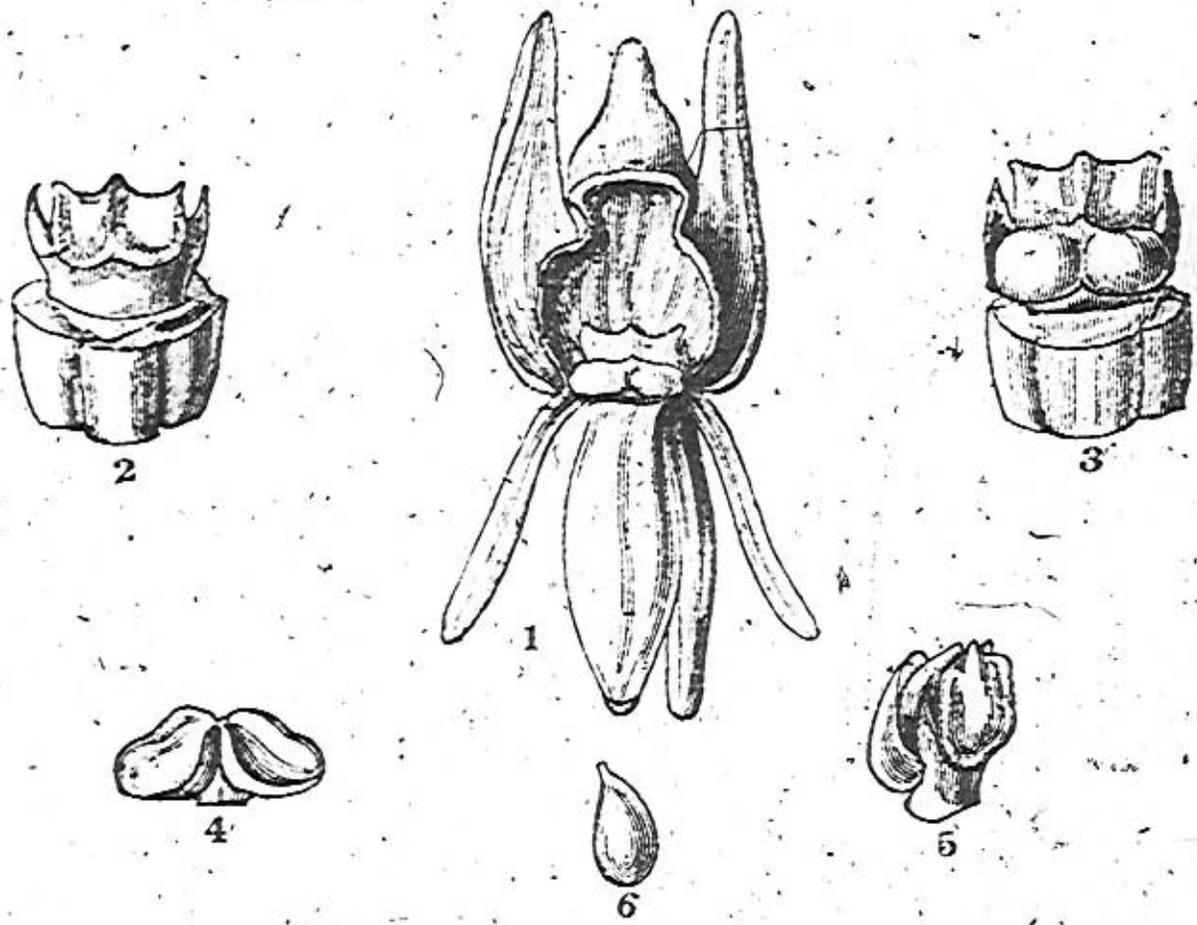
## 144. PEDILEA, Lindl.

1. Perianthium à fronte. 2. Columna à fronte. 3. Eadem à tergo. 4. Anthera. 5. Columna à latere. 6. Pollinium unicum.—*Omnia quàm maximè aucta.*



71. PINALIA, Lindl.





144. PEDICLEA.