

5. *Arabis albida* Stev. var. *flaviflora* (Bge.) Trautv. f. **glabra** Busch, l. c., p. 19.

Caule et foliis glabrescentibus.

6. *Arabis albida* Stev. var. **dolichothrix** Busch, l. c., p. 19.

Caulibus et petiolis foliorum inferiorum longe patentim-hirsutis; racemo hirsuto. 2l. v. s. in h. Tm.

7. **Arabis Billardieri** DC. (restituenda!). (Sectio *Euarabis* C. A. Meyer). Descriptio emendata Busch, l. c., p. 20.

Syn.: *A. albida* §. *Billardieri* Boiss. Fl. Or., I (1867), 175.

Icon.: Delessert, tab. 24!

Exsicq.: Ch. Haussknecht, It. Syriaco-Armeniacum (1865). Syria bor., Ssoffdagh! (teste Boiss.).

Cano-tomentosa; caulibus 25—30 cm altis, tenuibus, infra pubescentibus, supra glabris; foliis radicalibus albo-tomentosis, 2—4 cm longis, 8—15 mm latis, obovatis, obtusissimis, in petiolum attenuatis, caulinis basi auriculatis, sessilibus, 3—4½ cm longis, 1—2½ cm latis, tenerioribus, minus tomentosus, omnibus utrinque 3—4-dentatis. Racemo glabrescente. Siliquis anguste-linearibus, glaberrimis, 3—5 cm longis, 1 mm latis, pedunculo suo 3—5-plo longioribus, stylo ½—¾ mm longo apiculatis; stigmatem parvo, capitato. Seminibus oblongo-subrectangulis, 1 mm longis, 0.6—0.7 mm latis, immarginatis. 2l. v. s. in h. P.

D. C., Syst., II (1821), 218.

Hab. in prov. Kars (Armenia rossica).

Asia Minor (Lycia! Amasia!), Syria bor.! Libanon et Antilibanon.

Novitas pro Flora Caucasica. Affinis *A. albidæ*, sed indumento, siliquis angustioribus et longioribus et seminum forma aliena et magnitudine minore manifestissime distincta. In diagnosi cel. Boissieri (l. c.) folia basi utrinque 1—2-dentata nominantur, sed haud recte; in speciminibus Ch. Haussknechtii, a cel. Boissiero visis, et in omnibus aliis folia utrinque regulariter, nec basi tantum, 3—4-dentata!

### XIII. A. A. Eaton, *Epipactis*, *Serapias* atque *Serapiastrum*. Commutationes nomenclatoriae.

(Ex: Proc. Biol. Soc. Washington, XXI [1908], pp. 63—68.)

Der Verfasser hält auf Grund seiner Studien nach dem Wiener Codex folgende nomenklatorischen Änderungen für notwendig:

#### **Epipactis** (Haller) Böhmer.

The name *Epipactis* appears to have been first used since 1753 by Böhmer in the third edition of Ludwig's Definitiones Generum Plantarum. Although he makes no binomial combination, his genus is properly made and he gives several references to the plant designated by Linnaeus as

*Satyrium repens*, now known as *Goodyera repens* R. Br., or *Peramium repens* Salisb. As the name *Epipactis* antedates all others for the group it must be adopted. The resulting changes in specific names are as follows:

1. **Epipactis angustifolia** (Schlechter) Eaton, l. c., p. 63.  
*Goodyera angustifolia* Schlechter in Schumann & Lauterbach, Nachtr. Fl. Südsee, 92 (1905).
2. **Epipactis bifida** (Bl.) Eaton, l. c., p. 63.  
*Neottia bifida* Blume, Bijdr., 408 (1825). — *Goodyera bifida* Blume, Fl. Java, Orch., 33, t. 9 | c, f. 1 (1858).
3. **Epipactis biflora** (Hook. f.) Eaton, l. c., p. 63.  
*Goodyera biflora* Hooker f., Fl. Brit. Ind., VI, 114 (1890).
4. **Epipactis brachiorrhynchos** (Schlechter) Eaton, l. c., p. 63.  
*Goodyera brachiorrhynchos* Schlechter in Schumann & Lauterbach, Nachtr. Fl. Südsee, 93 (1905).
5. **Epipactis colorata** (Bl.) Eaton, l. c., p. 63.  
*Neottia colorata* Blume, Bijdr., 409 (1825). — *Goodyera colorata* Blume, Fl. Java, Orch., 31, t. 9, b, f. 2 (1858).
6. **Epipactis cordata** (Lindl.) Eaton, l. c., p. 64.  
*Georchis cordata* Lindley, Gen. et Sp., Orch., 496 (1840). — *Goodyera cordata* Nicholson, Dict. Gard., II, 810 (1888).
7. **Epipactis discoidea** (Reichb. f.) Eaton, l. c., p. 64.  
*Rhaphidia discoidea* Reichb. f. in Linnaea, XLI, 59 (1876). — *Goodyera discoidea* Schlechter in Schumann & Lauterbach, Nachtr. Fl. Südsee, 94 (1905) in obs.
8. **Epipactis Erimae** (Schlechter) Eaton, l. c., p. 64.  
*Goodyera Erimae* Schlechter in Schumann & Lauterbach, Nachtr. Fl. Südsee, 93 (1905).
9. **Epipactis foliosa** (Lindl.) Eaton, l. c., p. 64.  
*Georchis foliosa* Lindley, Gen. et Sp., Orch., 496 (1840). — *Goodyera foliosa* Benth. ex Hooker f., Fl. Brit. Ind., VI, 113 (1890).
10. **Epipactis formosana** (Rolfe) Eaton, l. c., p. 64.  
*Goodyera formosana* Rolfe ex Hemsley in Ann. Bot., IX, 159 (1895).
11. **Epipactis fumata** (Thw.) Eaton, l. c., p. 64.  
*Goodyera fumata* Thwaites, Enum. Pl. Ceylon, 314 (1861).
12. **Epipactis fusca** (Lindl.) Eaton, l. c., p. 64.  
*Goodyera fusca* Lindley in Wall., Cat. no. 7395 (1832).
13. **Epipactis glauca** (J. J. Sm.) Eaton, l. c., p. 64.  
*Goodyera glauca* J. J. Smith, Nachtr. 1, Orch. Java in Bull. Dept. Agric. Ind. Néerl., no. 13, p. 17 (1907).
14. **Epipactis gracilis** (Hook. f.) Eaton, l. c., p. 64.  
*Goodyera gracilis* Hooker f., Fl. Brit. Ind., VI, 112 (1890).
15. **Epipactis grandiflora** (Schlechter) Eaton, l. c., p. 64.  
*Goodyera grandiflora* Schlechter in Engl. Bot. Jahrb., XXXIX, 57 (1906).
16. **Epipactis grandis** (King & Pantl.) Eaton, l. c., p. 64.  
*Goodyera grandis* King & Pantling, Orch. Sik.-Him., 284, t. 379 (1898).

17. **Epipactis hacijoensis** (Yatabe) Eaton, l. c., p. 64.  
*Goodyera hacijoensis* Yatabe in Tokyo Bot. Mag., V, 1, t. 19 (1891).
18. **Epipactis Hemsleyana** (King & Pantl.) Eaton, l. c., p. 64.  
*Goodyera Hemsleyana* King & Pantling in Journ. As. Soc. Beng., LXIV, 342 (1895).
19. **Epipactis Henryi** (Rolfe) Eaton, l. c., p. 64.  
*Goodyera Henryi* Rolfe in Kew Bull., 1896, p. 201.
20. **Epipactis hispida** (Lindl.) Eaton, l. c., p. 64.  
*Goodyera hispida* Lindley in Journ. Linn. Soc., 1, 183 (1857).
21. **Epipactis lanceolata** (Ridl.) Eaton, l. c., p. 64.  
*Goodyera lanceolata* Ridley in Journ. As. Soc. Straits Br., no. 39, p. 86 (1903).
22. **Epipactis Lehmanniana** (Kränzl.) Eaton, l. c., p. 64.  
*Goodyera Lehmanniana* Kränzlin in Engl. Bot. Jahrb., XXVI, 498 (1899).
23. **Epipactis macrantha** (Maxim.) Eaton, l. c., p. 64.  
*Goodyera macrantha* Maxim. in Gartenflora, XVI, 36, t. 533, f. 2 (1867).
24. **Epipactis macrophylla** (Lowe) Eaton, l. c., p. 65.  
*Goodyera macrophylla* Lowe, Prim. Fl. Madeira, 13, t. 1 (1831).
25. **Epipactis Matsumurana** (Schlechter) Eaton, l. c., p. 65.  
*Goodyera Matsumurana* Schlechter in Bull. Herb. Boiss., sér. 2, VI, 298 (1906).
26. **Epipactis Maurevertii** (Bl.) Eaton, l. c., p. 65.  
*Goodyera Maurevertii* Blume, Fl. Java Orch., 35 (1858).
27. **Epipactis nebularum** (Hance) Eaton, l. c., p. 65.  
*Cystorchis nebularum* Hance in Journ. Bot., XXI, 232 (1883). — *Goodyera nebulara* Rolfe in Journ. Linn. Soc., XXXVI, 45 (1903).
28. **Epipactis ochroleuca** (Bailey) Eaton, l. c., p. 65.  
*Goodyera ochroleuca* Bailey in Bull. Dept. Ag. Queensl., XIV, 15, t. 4 (1896).
29. **Epipactis papuana** (Ridl.) Eaton, l. c., p. 65.  
*Goodyera papuana* Ridley in Journ. Bot., XXV, 355 (1886).
30. **Epipactis parviflora** (Bl.) Eaton, l. c., p. 65.  
*Neottia parviflora* Blume, Bijdr., 408 (1825). — *Goodyera parviflora* Blume, Fl. Java Orch., 29, t. 22, f. I (1858).
31. **Epipactis pendula** (Maxim.) Eaton, l. c., p. 65.  
*Goodyera pendula* Maxim. in Bull. Acad., St. Pétersb., XXXII, 623 (1888).
32. **Epipactis polygonoides** (Mueller) Eaton, l. c., p. 65.  
*Goodyera polygonoides* Mueller, Fragm., VIII, 29 (1873).
33. **Epipactis Prainii** (Hook. f.) Eaton, l. c., p. 65.  
*Goodyera Prainii* Hooker f., Fl. Brit. Ind., VI, 112 (1890).
34. **Epipactis procera** (Ker.) Eaton, l. c., p. 65.  
*Neottia procera* Ker-Gawl. in Bot. Reg., t. 639 (1822). — *Goodyera procera* Hooker, Exot. Fl., 1, t. 39 (1823).
35. **Epipactis pubescens** (Willd.) Eaton, l. c., p. 65.  
*Neottia pubescens* Willd., Sp. Pl., IV, 76 (1805). — *Goodyera pubescens* R. Br. in Ait. Hort. Kew. ed. 2, V, 198 (1813).

36. **Epipactis pusilla** (Bl.) Eaton, l. c., p. 65.  
*Goodyera pusilla* Blume, Fl. Java Orch., 31, t. 9 | b, f. 3 (1858).
37. **Epipactis recurva** (Lindl.) Eaton, l. c., p. 65.  
*Goodyera recurva* Lindley in Journ. Linn. Soc., 1, 183 (1857).
38. **Epipactis repens** var. **ophioides** (Fern.) Eaton, l. c., p. 65.  
*Goodyera repens* var. **ophioides** Fernald in Rhodora 1, 6 (1899).
39. **Epipactis reticulata** (Bl.) Eaton, l. c., p. 65.  
*Neottia reticulata* Blume, Bijdr., 409 (1825). — *Goodyera reticulata* Blume, Fl. Java. Orch., 30, t. 9 | b, f. 1 (1858).
40. **Epipactis robusta** (Hook. f.) Eaton, l. c., p. 65.  
*Goodyera robusta* Hooker f., Fl. Brit. Ind., VI, 113 (1890).
41. **Epipactis rubicunda** (Bl.) Eaton, l. c., p. 65.  
*Neottia rubicunda* Blume, Bijdr., 408 (1825). — *Goodyera rubicunda* Lindley in Bot. Reg., 1839, Misc., p. 61.
42. **Epipactis Schlechtendahliana** (Reichb. f.) Eaton, l. c., p. 66.  
*Goodyera Schlechtendahliana* Reichb. f. in Linnaea, XXII, 861 (1849).
43. **Epipactis scripta** (Reichb. f.) Eaton, l. c., p. 66.  
*Rhamphidia scripta* Reichb. f. in Linnaea XLI, 67 (1877). — *Goodyera scripta* Schlechter in Engl. Bot. Jahrb., XXXIX, 58 (1906).
44. **Epipactis striata** (Reichb. f.) Eaton, l. c., p. 66.  
*Goodyera striata* Reichb. f. in Linnaea, XVIII, 409 (1844).
45. **Epipactis subregularis** (Reichb. f.) Eaton, l. c., p. 66.  
*Georchis subregularis* Reichb. f. in Linnaea, XLI, 67 (1877). — *Goodyera subregularis* Schlechter in Engl. Bot. Jahrb., XXXIX, 58 (1906).
46. **Epipactis tessellata** (Lodd.) Eaton, l. c., p. 66.  
*Goodyera tessellata* Loddiges Bot. Cab., t. 952 (1827).
47. **Epipactis triandra** (Schlechter) Eaton, l. c., p. 66.  
*Goodyera triandra* Schlechter in Bull. Herb. Boiss., sér. 2, VI, 298 (1906).
48. **Epipactis velutina** (Maxim.) Eaton, l. c., p. 66.  
*Goodyera velutina* Maxim. in Gartenflora, XVI, 38, t. 533, f. 1 (1867).
49. **Epipactis viscosa** (Reichb. f.) Eaton, l. c., p. 66.  
*Goodyera viscosa* Reichb. f. in Linnaea, XLI, 61 (1876).
50. **Epipactis vittata** (Lindl.) Eaton, l. c., p. 66.  
*Georchis vittata* Lindley in Journ. Linn. Soc., 1, 184 (1857). — *Goodyera vittata* Benth. ex Hooker f., Fl. Brit. Ind., VI, 113 (1890).
51. **Epipactis Waitziana** (Bl.) Eaton, l. c., p. 66.  
*Goodyera Waitziana* Blume, Fl. Java Orch., 35, t. 9 | d, f. 2 (1858).

#### Serapias L.

The genus *Serapias* of Linnaeus is composite, consisting of *Cephalanthera*, *Epipactis* (Adanson em. R. Br., not Böhmer) and *Serapias* as restricted by Swartz. The first two genera have been segregated and the residue of the original genus now bears the name. It has been customary to leave to the final residue of segregation the original name, but this is contrary to Article 45 of the Vienna Code, provided the type or origin of the group is not contained therein. The type of the genus

*Serapias* L. is *S. Helleborine*, an aggregate consisting of species of *Cephalanthera* and *Epipactis* Adans., genera shown by Wettstein to be inseparable. This type is fixed by Linnaeus in Gen. Pl. ed. 5 (1754) as t. 249 of Tournefort, which represents *S. grandiflora*. The name *Serapias* must therefore be restored to the *Cephalanthera-Epipactis* group. The following changes are necessary:

52. ***Serapias africana*** (Rendle) Eaton, l. c., p. 66.  
*Epipactis africana* Rendle in Journ. Bot., XXXIII, 252 (1895).
53. ***Serapias Austinae*** (A. Gr.) Eaton, l. c., p. 66.  
*Chloraea Austinae* A. Gray in Proc. Am. Acad., XII, 83 (1876). —  
*Cephalanthera Austinae* Heller, Cat. N. A. Pl. ed. 2, 4 (1900).
54. ***Serapias chloidophylla*** (Reichb. f.) Eaton, l. c., p. 66.  
*Cephalanthera Chloidophylla* Reichb. f. in Linnaea, XXV, 228 (1852).
55. ***Serapias consimilis*** (Don) Eaton, l. c., p. 67.  
*Epipactis consimilis* Don Prodr., 28 (1825).
56. ***Serapias cucullata*** (Boiss. & Heldr.) Eaton, l. c., p. 67.  
*Cephalanthera cucullata* Boiss. & Heldr. ex Reichb. f., Orch. Eur. 137, 185, t. 120 (1851).
57. ***Serapias gigantea*** (Doug.) Eaton, l. c., p. 67.  
*Epipactis gigantea* Douglas ex Hooker, Fl. Bor. Am., II, 202, t. 202 (1839).
58. ***Serapias kurdica*** (Bornm.) Eaton, l. c., p. 67.  
*Cephalanthera kurdica* Bornm. ex Kränzl. in Bull. Herb. Boiss., III, 143 (1895).
59. ***Serapias longibracteata*** (Bl.) Eaton, l. c., p. 67.  
*Cephalanthera longibracteata* Blume, Fl. Java Orch., 159, t. 65, f. 3 (1858).
60. ***Serapias sessilifolia*** (Peterm.) Eaton, l. c., p. 67.  
*Epipactis sessilifolia* Peterm. in Flora, XXVII, 370 (1844).
61. ***Serapias somaliensis*** (Rolfe) Eaton, l. c., p. 67.  
*Epipactis somaliensis* Rolfe in Dyer, Fl. Trop. Afr., VII, 189 (1898).

#### ***Serapiastrum* Kuntze.**

The genus heretofore known as *Serapias* must become *Serapiastrum*, with the following combinations:

62. ***Serapiastrum cordigerum*** (L.) Eaton, l. c., p. 67.  
*Serapias cordigera* L., Sp. Pl. ed., 2, 1345 (1763).
63. ***Serapiastrum Lingua*** (L.) Eaton, l. c., p. 67.  
*Serapias Lingua* L., Sp. Pl. ed., 1, 950 (1753).
64. ***Serapiastrum longipetalum*** (Tenore) Eaton, l. c., p. 67.  
*Helleborine longipetala* Tenore, Fl. Neap., Prodr., 53 (1811). — *Serapias longipetala* Poll., Fl. Veron., III, 30 (1814).
65. ***Serapiastrum neglectum*** (De Not.) Eaton, l. c., p. 67.  
*Serapias neglecta* De Notaris, Rep. Fl. Ligust., 389 (1844).
66. ***Serapiastrum parviflorum*** (Parl.) Eaton, l. c., p. 67.  
*Serapias parviflora* Parl. in Giorn. Sci. Litt. Sicil., LIX, 66 (1837).