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### LIV.—A century of new genera and species of Orchidaceous plants

Professor Lindley

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continuation of the stem could be seen, probably a part of the root.

H.M. Ship Erebus, Woolwich.

#### EXPLANATION OF PLATE XX.

Fig. 1. *Serpentaria fragilis* reduced to one-half its natural size.

Fig. 2. Abdominal surface of the anterior part of the body, showing the cloaca.

Fig. 3. *Nemertes gracilis*, reduced to one-half nat. size.

Fig. 4. *Forbesia formosa*, natural size.

Fig. 5. *Pedicellina echinata*, nat. size, and magnified after Sars.

#### LIV.—*A Century of new Genera and Species of Orchidaceous Plants.* Characterized by Professor LINDLEY.

[Continued from p. 257.]

##### Decades 5 and 6.

41. *LYCASTE barbifrons*; foliis oblongis in petiolum longum angustatis plicatis, bractea suprema angusta ovario paulo longiore, sepalis petalisque subconformibus lanceolatis falcatis lateralibus in mentum longum productis, labello oblongo basi concavo 5-lineato appendice lata emarginata adnata; lamina oblonga plana basi fimbriata apice rotundata laciniis lateralibus rotundatis, columna antice villosissima auriculis apice falcatis.

*Peru* (Hartweg).

Very near *L. lanipes*, but twice as large, and with long-stalked leaves. It is also different in the form of the lip and in the shaggy column.

42. *MAXILLARIA lepidota*; acaulis, foliis solitariis ligulatis acutissimis in petiolum angustatis, pedunculis unifloris acute vaginatis erectis dimidium folii æquantibus, sepalis elongatis linearibus acuminatis, petalis setaceo-acuminatis duplo brevioribus, labello carnoso obovato trilobo apice carinato et utrinque lepidoto lacinia intermedia ovata lateraliumque margine anteriore crenatis, tuberculo angusto vix medium labelli attingente.

*Popayan* (Hartweg).

43. *MAXILLARIA procurrens*; caulescens, pseudobulbis obovatis compressis diphyllis, foliis ligulatis subsessilibus, pedunculis solitariis squamoso-imbricatis pseudobulbis longioribus, sepalis petalisque ovatis acutis, labello oblongo obtuso indiviso juxta basin callo oblongo aucto.

*Popayan* (Hartweg).

Very like *M. platypetala*.

44. *ONCIDIUM pentadactylon*; pseudobulbis ovatis compressis diphyllis, foliis lanceolatis tenuibus scapo longissimo paniculato multo bre-

vioribus, floribus plurimis abortientibus, sepalis lineari-lanceolatis liberis, petalis lanceolatis, labello oblongo emarginato pandurato lobis basilaribus intermedio subæqualibus, crista verrucosa processus 5 digitiformibus circumdata, columnæ alis maximis obtuse lobatis.

*Quito* (Hartweg).

This is near *O. Wentworthianum* in the colour and structure of the flowers. Occasionally the principal part of them abortive, as in *O. heteranthum*. The panicle is occasionally 3 feet long or even more.

45. *ONCIDIUM pyramidale*; pseudobulbis ovatis ancipitibus 2-3-phyl-  
lis, foliis oblongis tenuibus basi angustatis scapo erecto rigido pa-  
nuculato pyramidalis multo brevioribus, sepalis obtusis liberis dor-  
sali ovali lateralibus linearibus, petalis duplo latioribus ovatis ob-  
tusis, labelli lobis lateralibus amplexicaulibus intermedio bilobo  
latioribus, crista antice excavata processibus 7 (?) linearibus an-  
ticis longioribus, columna nana alis verticalibus lineari-cuneatis  
sublobatis, rostello subulato.

*Pasto* (Hartweg).

Near *O. excavatum*, but with the rostellum of *O. ornithorhynchum*.  
Scape a foot and a half high.

46. *ONCIDIUM trifurcatum*; . . . . ., sepalis lateralibus unguiculatis  
spatulato-obovatis planis dorsali unguiculato rotundato crispo  
duplo breviori, petalis oblongis crispis dorsali minoribus, labello  
unguiculato tripartito laciniis linearibus truncatis lateralibus ca-  
naliculatis, crista trilamellata, columna tetraptera alis superioribus  
linearibus carnosus apice abrupte recurvis inferioribus rotundatis  
tenuioribus, clinandri dorso in dente antherifero producto, rostello  
membranaceo bifido.

*Peru* (Hartweg).

I have only seen three flowers of this. They are 3 inches in dia-  
meter; the lateral sepals are whole-coloured, the dorsal, and the pe-  
tals are bordered with yellow (?). It stands near *O. serratum*, Lindl.

47. *ONCIDIUM cultratum* (II. †† \* †† †† †† ††); pseudobulbis ova-  
libus compressis, foliis solitariis lanceolatis basi canaliculatis scapo  
humili æqualibus, panícula cernua simplici floribus quibusdam  
abortientibus, sepalis petalisque oblongis subæqualibus reflexis, la-  
bello bilobo, crista parva tuberculata, columnæ alis maximis cul-  
tratis obtusis integris.

*Popayan* (Hartweg).

As far as I can judge of *O. olivaceum*, which I have never been  
able to see, it must be near this, which is a dwarf species with not  
more than ten flowers in the panicle. The flowers appear to be olive-  
brown with a yellow lip.

48. *PLEUROTHALLIS Cassidis*; caule anguloso medio vaginato folio  
ovato-oblongo amplexicauli obtuso duplo longiore, spatha magna  
coriacea, spicis plurimis rigidis erectis multifloris folio longioribus,  
sepalis acutis supremo galeato lateralibus semiconnatis, petalis

blongis obtusissimis dimidio brevioribus, labello nano oblongo emarginato utrinque intra marginem bicalloso, columna minima.

*Popayan* (Hartweg).

Like *P. macrophylla* and its allies; but it must be placed in the artificial arrangement among the species with "elongated spikes."

49. *STELIS parvilabris*; cæspitosa, caulibus tetragonis, folio coriaceo petiolato acuto tridentato racemis subgeminis longiore, bracteis cucullatis ovatis perfoliatis acutis floribus brevioribus, calyce triangulari bilabiato: labio altero ovato acuto altero angustiore et brevior emarginato, petalis subrotundis membranaceis, labello minimo carinato rotundato tuberculo crenato in medio.

*Popayan* (Hartweg).

50. *DIENIA crispata*; caule diphylo, foliis ovato-oblongis obtusis pedunculo brevioribus, spica densa cylindracea, sepalis oblongis obtusis, petalis linearibus, labello ovato indiviso, capsulæ angulis crispato-laceris.

*Mexico* (Hartweg).

Stem and spike, taken together, about a foot high.

51. *ALTENSTEINIA virescens*; foliis radicalibus obovato-oblongis, vaginis caulibus 2—3 inflatis herbaceis, spica densa cylindracea, bracteis concavis glabris, rachi sepalisque pubescentibus, petalis linearibus obtusis ciliatis, labello oblongo concavo denticulato basi pubescente, columnæ facie villosa.

*Quito* (Hartweg).

Flowers greenish yellow. In habit like *A. fimbriata*.

52. *PONTHIEVA rostrata*; foliis oblongis acutis planis scapoque basi glabris, inflorescentia tomentosa, petalis levissime ciliatis, labello cochleato unguiculato in apicem rostratum producto.

*Quito* and *Bogota* (Hartweg).

Of this there are two varieties; viz.  $\alpha$ . *spicata* with the flowers nearly sessile, and  $\beta$ . *racemosa* with the flowers distinctly stalked. The former is from Quito, the latter from shady places near Bogota.

53. *PONTHIEVA maculata*; glanduloso-villosissima, foliis ovalibus utrinque acutis, racemo laxo multifloro, bracteis ovatis acuminatis pedicellis æqualibus, sepalis lateralibus maculatis dorsali latoribus, labello oblongo canaliculato indiviso basi tuberculis duobus procurrentibus munito.

*Bogota* (Hartweg).

Flowering scape as much as a foot and a half high.

54. *CRANICHIS gibbosa*; foliis radicalibus oblongo-lanceolatis petiolis alatis longioribus, scapo basi folio uno alterove vaginisque quibusdam distantibus apice patulis acutis aucto, spica secunda laxa elongata, floribus glabriusculis, labello ovato cucullato basi saccato, petalis calvis.

*Quito* (Hartweg).

55. *PRESCOTTIA orchioides*; foliis lanceolatis in caulem ascendentibus sensim in bracteas acutissimas ciliatas floribus æquales mutatis, spica elongata multiflora, petalis basi ciliatis sepaloque dorsali adhærentibus, lateralibus revolutis, labello erecto antico (!) oblongo concavo unguiculato margine carnoso venis radiantibus parum elevatis.

*Mexico* (Hartweg).

Stem taken with the spike, which is a span long, about a foot and a half high. The plant looks like some *Platanthera*.

56. *STENORHYNCHUS cernuus*; glaber, foliis radicalibus longe petiolatis ovatis acutis 5-nerviis, vaginis scapi 3 acuminatis laxis, spica brevi densa cernua, bracteis lineari-lanceolatis floribus brevioribus, labello lineari-lanceolato unguiculato biauri ante stigma ventricosum apice convolutum serrulatum.

*Quito* (Hartweg).

57. *ACRÆA triloba*; foliis radicalibus lanceolatis glabris, scapo erecto pubescente, spica oblonga villosa, sepalis lineari-lanceolatis villosis, labello cucullato trilobo: laciniis lateralibus runcinatis glabris intermedia multo minore ovata reflexa tomentosa.

*Peru* (Hartweg).

58. *HABENARIA pyramidalis*; foliis oblongis obtusis imbricatis reticulatis ad spicam pyramidalitèr ascendentibus, racemo longo denso cylindraceo, bracteis foliaceis ovarii longitudine, sepalo dorsali subrotundo lateralibus reflexis, petalis subrotundo-ovatis, labello ensiformi basi utrinque unidentato, calcare subfalcato ovario longiore.

*Mexico* (Hartweg).

A showy plant with a spike a span long. Near *H. petalodes*.

59. *APPENDICULA micrantha*; foliis distichis ovato-oblongis obtusis, spicis axillaribus solitariis nutantibus folio brevioribus, bracteis subulatis reflexis, labello ovato acuto.

*Philippines* (Cuming).

This has the smallest flowers of any that I have examined. It is near Blume's *App. reflexa*, which is said to have an obtuse mucronate lip.

60. *TRICHOGLOTTIS philippinensis*; foliis subrotundo-ovatis emarginatis mucrone interjecto, sepalis oblongo-lanceolatis patulis, petalis reflexis linearibus brevioribus, labello esaccato pubescente secus axin villosa oblongo convexo apice hastato-trilobo dentibus baseos brevibus rotundatis.

*Philippines* (Cuming).

A plant with the habit of a *Vanda*, but with very short, roundish, leathery, somewhat imbricated leaves. The flowers are solitary in the axils, an inch and a half from the point of the dorsal sepal to that of the labellum. The species differs from Blume's figure and descriptions in not having a very short spur or sac at the base of the lip, but in nothing else that seems essential.