

♂ *Euphorbia* Corolla 2. lobata labio
postico interiore integro & breviter reflexo
ovata in quoque loculo 2 Capsula rospici
basi in apicem contracta

♂ Stamina 4

Lepidogathis *Stylandra* *Leiomorpha*

*** Stamina 2 antheris 4 lobulatis

Monothecium *Ruttya* *Practyophanum* *Glockingia*
Habracanthus *Hurteimia*

*** Stamina 2 antherarum loculo alter
altius affixis

Chactothylax *Duvernoia* *Justicia* *Schwartzia*
Rhinacanthus (*Psidium*?) *Ruizia* *Wogloma*
Dianthera *Psiloperona*

**** Stamina 2 antheris ^{bulbis} aequalibus
parallelis

Himantochilus *Graptophyllum* *Cyrtanthera*
Myrsacanthus *Pittonia*

♂ Dichiteae Bracteae 2 floris 1.3 valvatis
involucratas

Dichites *Tetramerium* *Peristrophe*
Chitax and probably *Periblema*.

I have fallen characters another
are a few monotypic genera not yet
worked out but I send you the above

Sept 1875. 2001 into *Dianthera*
not in *Justicia* where *Asperosperma*

25, WILTON PLACE.
S.W.

Oct 17/75

My Dear Gray

I have just got through
Acanthaceae having a great pile
of undetermined specimens to be
examined including some new
Apoecan genera

I follow in most respects
Chadwick's arrangement his
genera are generally well classed
and consolidated but his characters
are worthless for they do not agree
with all the genera he puts under
his groups. My trials are

1 *Thunbergia* (*Thunbergia* & *Alseodora*)
& *Neloxia*. Corollae labium posticum
exterior. Semina 2 subglobosa ventris punctis
parvis atque reticulatis affixa. Flores in
gracilis altissimi & sparsi. (*Enophylarissia* affinis)
Elytraria *Neloxia* *Ebermairea* & *Ophiorhynchium*

3 Ruellia Corollae lobis contortis unispermis
obtusatis. Semina plano-compressa fuscescentia
in retinacula accretis v. (in Cardanthera) post
anthera breviter coniciis v. evanidis

4 Hygrophilae Corolla 2-labellata. Cardanthera (Ab.
norma. Nec non On.) Hygrophila Homophila ad
perforat. Brillantaria

2. Eruellia Corollae lobis 5 planis. Filamenta
sani per paria lateralia connata. Capsula
vix compressa

Calopharys Ruellia Echinacanthus Chona-
canthus Distichocalyx

3 Petalidium Corolla et Stamina Eruellaeae
Capsula recto parallela plano compressa
Petalidium Phyllophylax Pedalacanthus
Lancesteria Blechnum

4 Trichanthera (Ab Eruelliae impuriss
calyce et inflorescentia distinctis)

Sclerocalyx Trichanthera Bravaisia
Pancheia

5 Probilanthera Corolla ^{et capsula} Eruellaeae
filamenta omnia basi portus approximata
sepiusque haec transversa v. membrana
brevis connata

See 67 Apociana v. Anthera

4 Acantheae Corolla 2-labellata
Dyspharia, Acanthopis, Acanthus, Sclerophyton

5 Justicieae Corollae lobis varie imbricatis
non contortis v. adpressis

1 Barleria Corollae lobis 5 planis patentes
varie imbricatis antice soepe interiore Stamina

4 Barleria, Croton, Neurocanthus Pylanthus
Barleria Lophostachys Crossandra

2 Crystallinae Corollae lobis 5 planis patentes
2 portus interiore antice exsertis Stamina 4
Crystallina Chamaecranthium Therandrium
Aericanthus

3 Cranthemum Corollae lobis 5 planis
patentes 2 portus interiore antice exsertis
Stamina 2

Cranthemum Codonacanthus Cyclacanthus
Cuthacanthus

4 Andrographidea Corolla 2-labellata
lobis portus integro v. breviter 2. pedo interiore
ovula in quoque loculo 3. Capsula ^{capitulum} a basi
seminifera (ovula in ceteris Justicieis in quoque
loculo 2)

1 Semina non compressa - Andrographis
Asplenium
v. Semina normalia. Gymnostachyum
Phlogacanthus Diotacanthus

for any observations. I was much
bothered with the American Justicia
genera which run very much into one
another and are not very natural
though not quite so bad as some of
Nees'. He has often the same species
under different names in two genera
(*Hieracadenzica* from South America
is a common *Strobilanthes* from Ceylon
the label to the specimen he describes from
and on which he wrote the name is
marked Ceylon *Hieracadenzica*) and many
other similar facts could be picked out.

X *Cyrtanthera* must include *Sarcocapnos*
all the original *Chamaecrista* the typical
Jacobinia *Prepara* & many others.

The three lines of hairs attributed
to *Sarcocapnos* are of no value
lines of hair longitudinal or transversal
about the insertion of the hair sometimes
an reflexed protuberance (concave outward)
occur in a great many species of various
genera varying much in shape and
extent and not present in all species.
Sarcocapnos The propephy membranes
or cortex inside the upper lip are more or less
prominent in several *Cyrtanthera* but not

in all and I can make nothing of the
character until every species shall have
been carefully examined

The species with the lower anthers self
calcarate go in my opinion either
into Justicia or into Beloperone
the two distinguished chiefly by the
form of the corolla

Dianthera has the cells usually
short not calcarate and the upper
one at least usually oblique the connection
generally broad. In Cyrtanthera the
cells are longer and more parallel and
equal

I should put the small flowers
from Chamaejas into Justicia
^{Dianthera}

the Texas Dryas into obovateanthera
the provinia californica certainly
into Beloperone

I have not yet placed Siphonoxylon
not having yet examined the stamens
It must surely include Justicia subiflora
from the Cape and probably goes into
Dianthera

I believe that most if not all
the other N. American Acrothaceae
will remain undisturbed - Dipterocaulon
being of course included in
Ruellia - indeed the N. American
species must be considered as the
typical Ruellia of Linnaeus.

Isotanea are all in type and
Prophylareum begun upon. Have
you anything to say about Gymnanthera
I leave it in Belagimie but it is not
comfortable there

Yours very sincerely
George Bentham



Bentham, George. 1875. "Bentham, George Oct. 17, 1875." *George Bentham letters to Asa Gray*

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