

fruit is rather a dry berry than a capsule for it does not open in valves and the embryo figured must be taken from an unripe seed when the embryo is still short as in many *Platanus* where it is cyclical or spiraled when full grown - What have you done with *Styphelia* ¹⁸⁹² *europaeum* ^{in fruit only}

Platanus luteiflorus Desf. is a *Chamaecarupus* very near *coronopus* but perhaps distinct

Menispermia vesicaria Torr. Bot Emory Exped 1845 and *Procrassia Texana* Torr. ibid. 1848 are nearly both the same and as far as our very bad corollas show a true *Menispermia* - not at all a *Leptoglossis* of which I have 3 sp. all southern

I think *Leucophyllum* must come into the *Salpiglossideae*

I wait your critique - and especially about *Oryctes*.

I embark now upon *Scrophulariaceae*

Yours very sincerely

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25/7/9

My dear Lucy

I have now done *Platanus* I find they must include *Salpiglossideae* as I strongly incline to from the first I make 5 tribes partly natural partly I own artificial but I cannot do better

1 *Eucolaneae*. Corollae actinatis plicata v. valvata. Bacca. Embryo subperispermicus valde curvus & spiralis.

2 *Atropeae*. Corollae lobi imbricati non plicati. Bacca et Embryo Eucolaneae

3 *Hyoscyameae*. Corollae actinatis plicata v. imbricata. Capsula circumscissa (excepta *Datura*). Embryo Eucolaneae

4 *Cestrineae*. Corolla (tubo amplicy elongata) lobi induplicati. valvati v. rariis imbricati non plicati. Bacca v. capsula. Embryo rectus v. leviter curvus, cotyledonibus copius radicula longior latioribus.

Salpiglossideae Corolla limbis,
sepals plicatis imbricatis sublobatis
plus minus imbricatis. Stamina 4
didynamia, cum quinto minore saepe
effecto v. deficiente

The link between the 4th and 5th
is *Nicotiana* on the one side and
Petunia on the other

I think I wrote in my last that I
must keep up your *Chamaejasme*
as a genus intermediate as it were between
Physalis and *Saracha* and that *Leontopodium*
Miers is probably a true *Physalis*

Your *Nottoastrum* is I think a good
genus connecting *Withania* with *Benincya*

Saracha vesicosa is an *Athenaea*

Withania is restricted to the Old world
Hypnoticum *Punicea* and *Withania* proper

Your distinction of *Tubacca* and
Nicotia is very good but I think the
genus *Nicotiana* must include also
besides the *Polydich*, the *laevigata*
which is not so different as I thought at

first and *Lehmannia* all if you like it
as sections but making together a very
good genus

Petunia and *Nieembergia* go of
course into *Salpiglossideae* keep up *Don-
chetia* for the *P. erecta* which is your
plant and appears identical with
Nieembergia anomala Miers and *N.
statiopolia* Kunth. *Donchetia procumbens*
L. is in every respect a true *Nieembergia*
the same as Salweil n. 1470 and Brongniart n. 587
but *P. erecta* has the corolla and stamens
of *Petunia* with the stigma of *Nieem-
bergia*. *N. lineifolia* Miers is a genuine
Leptoglossis - strictly this sort *Nieembergia*
is a very readily distinguished and natural
genus. *N. anomala* Desr. is compound
of Miers' plant with the *Petunia parvi-
flora*.

What is *Oryctes* L. Wats. which we
have not. It seems to me closely allied
to Wright's *Texas* 1592 (ex 1592) not
quoted in Bot. Smorg. Eggs. and if so
it must be nearly allied to *Coprosma*
and *Panicum* (the true *Withania*) the



Bentham, George. 1875. "Bentham, George Feb. 29, [1875]." *George Bentham letters to Asa Gray*

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