

2 of modified petals, also coloring;
the 10 colored petals belong
to an insect which I am
modified it means. By the way
can you tell me of any flowers,
with further authors of different
colors; I believe the two would
be pretty sure guide to *Lichnospiza*
or *trichospiza*. - All of some-
bitained work, as you know, has been
corrected with insects, & now I am
almost sure [but I find it a disgusting
truth the with me first denoting an
generally all a blackish] that flowers have
led me to a curious little highway
with respect to the best known insect
in the world, the Hive Bee. I saw
the other day on a highway (see Origin)
Hive Bees sucking the common red
clover, but it was a second crop, which
I am old ^{proven} ~~proven~~ ^{shasta} flowers;
but many of the Bees were attempting
this, but always inserted their heads

88 Cliff Cottage. Bournemouth. Hants.
My dear Greg. I have just received
your most kind letter of Aug 18th 19th
& will answer myself, now my patients
are in bed, by beginning a letter to
you. My poor Boy (whose warden face
flushed up to the eyes at the thought
of writing to a live Professor) has
the day made a marked step & has
taken several walks of a few hundred
yards; & my wife is recovering well &
her skin well peeling. - We have
taken two houses here, so I hope &
trust this dreadful fever will not
spread. - I am very glad that it
prevents you intend to publish some
separate notes on *Orchids*, which you
have 10 capitally worked at. No doubt
I am not a fair judge; but I ^{think} think
that it is worth your while. - I am
pleased to hear about *Gordgeia* & about
Gymnobia *tridentata*, your account makes
me think the latter like the *Bombina*

speciosa & often & often have I speculated
what on earth could be meaning of
the wonderful ^{horn-like} stigmas & projecting
anthers. I suspect ^{its} structure may have
been arrived at by a process somewhat
analogous to the which ^{apparently} has produced
the wonderful melody of *Eugenia*
muscipicola. It would appear
the self-fertilisation is commoner
than I thought: since publishing I
have found that *Nectria* *rich-*
sonii fertilises itself, if insects
fail - to do the job - many
thanks for *Houstonia* seed. -
I am glad to hear, but disappointed,
about a *Specularia* pollen-tube.

I cannot resist sending you a
diagram about *Elymus* [why should
I resist? does not perscription
give a right? & here I ask
for long years written or uttered

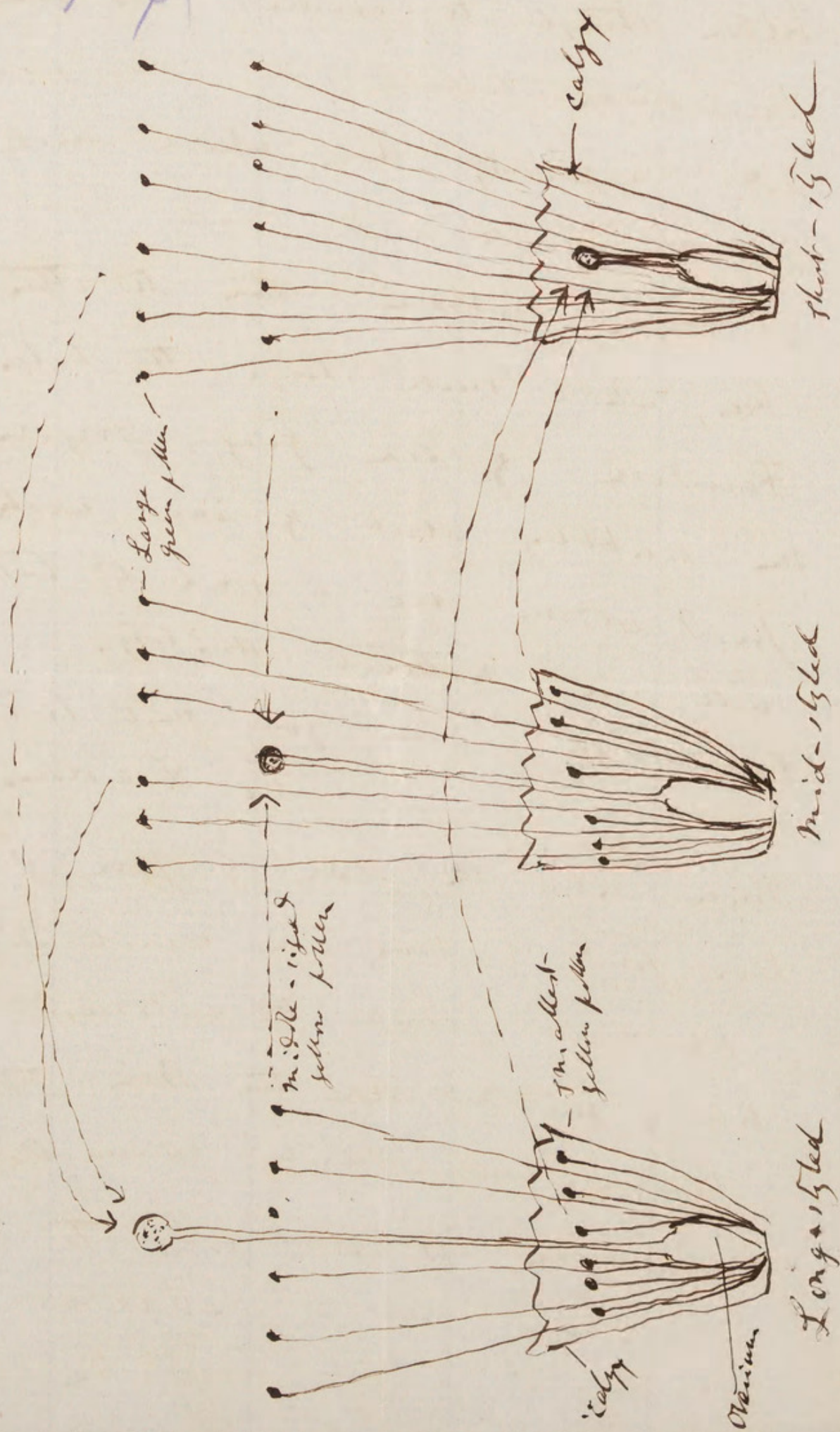
you about all sorts of things.] *Elymus*
has 3 kinds of stigmas & 3 kinds of
pollen; the stigmas of same height
are two of the three forms producing the
same sort of pollen, & I cannot
but be fitted to fertilise the
stigma of the height. I conclude
10 from watching the Bees; let
hope to form, & of course. So the
we have three hermaphrodite forms
each depending on half the stigmas
of either one of the two other
forms. This is then of the times with
the error. This strikes me as a
very curious case. The three forms
coexist in about equal numbers.
By the way it seems to me that
Lindley in *Veg. Kingdom* describes the
homosiphous structure of flowers among:
the 10 called calyx, with its 12
bracts of spiral sepals, appears
to consist of 6 narrow sepals

between the flowers & sucked at holes
bitten through the cork. - The same
bees always followed the same practice.
And apparently those which suck
at the mouth of the flowers have
a longer proboscis than the other
bees, which suck through the holes.
Farewell to dear Georg, forgive
me scribbling about my own work;
for I seldom see a soul to talk
with on natural history.
Goodnight - Ever your most truly
C. Darwin

Since writing the above by Jove I
have found I have as usual at first
blundered about the proboscis;
but if you had seen the Bees, the
blunder was almost excusable -
What an ass I was to
scribble all the above. -

Lysichiton solida

Gray 6/8/68



Program of Education - - one of my ^{little}

Bgs, ^{Horace} said to me, "there are
a terrible number of address

here; but if everyone killed

as many - they could, they

would sting left" - I answered

"of course they would be fewer"

Horace "of course, but I

did not mean that; what

I meant was, that the

more terrible address, which

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Run away & do nothing

would be saved, &

after a time none

of the ideas would

“sting” —

Natural selection!!



Darwin, Charles. 1862. "Darwin, Charles Sept. 4, 1862." *Charles Darwin letters to Asa Gray*

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