

And. W. M. S.



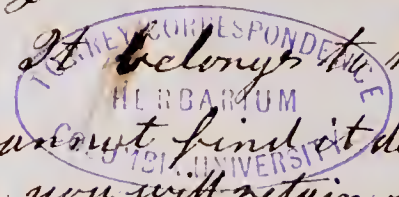
Key West 15th Oct 1845

My Dear Sir

I received your letter dated Princeton May 24th but not mailed until Aug 5th yesterday - having been absent on a Botanical Tour to the Maine - otherwise I might have obtained ^{it} 5 or 6 weeks earlier. My change of business does ~~not~~ not seem to change my taste. as you express a fear on the contrary judging from the time that I have spent to the total neglect of business - The expense incurred. The hardship endured & the health exposed I think my taste for botany is above fever heat. It is very easy for one to think of making a complete botanical exploration of Florida but it not easy to put in practice. To do this you must make up your mind to wade & swim & crawl. exposed to a heat of from 120 to 140 degrees excepting a few days in the winter your hands well gloved & your face covered with gauze to prevent being devoured by Mosquitoes. For if it is not generally known it is certainly a well established fact in Natural History that these insects have undisputed sway of a large portion of South Florida especially in the neighbourhood of Cape Sable & they are not to be endured for a moment even without some kind of protection - Add to this the drenching rains want of shelter at seasons most favourable to making collections loss of your labour by as is sometimes unavoidable on account of the weather being unfavourable to the curing of them. and you have then some idea of the difficulties to be

encountered. I do not know how soon I shall be able to
all that you desire but I intend occasionally to make an excursion
as heretofore on the trip which I have just completed I started
with a determination to penetrate to the lake Okechobe but
after spending 6 weeks about the coast rivers, benders of the
everglades & the prairie which terminates the ~~southern~~ peninsula
I found myself completely exhausted being finally seized with
Haemoptysis. I was obliged to abandon the idea of penetrating the
interior at this time. You may think that my description of
South Florida is extravagant. But with the exception of Key West
the whole country to the southward of Tampa Bay containing 15000
square miles will not for a century hence contain 10,000 inhabitants
But now to the subject of your letter I have collected the ripe fruit
of the *Butis Mantium* which shall be sent to you by the first vessel
which will be in a few days I will also furnish such information
as regards its habits that may be of service to. I have examined ^{it} often
It has perplexed me more than any other plant - I doubt if it has any
very close affinity for any thing else - but of this you are more
competent to judge. Of my collections I suppose I may have some 3 or
400 species that I may not have transmitted to you. But many
of these are in a bad condition especially those gathered in my last
trip which from ill health I was unable to secure properly. But
I think that most if not all of them can be made out you shall
if my life is continued get sight of them sometime next June when
I hope my collection will be much augmented. I shall only give you
now some notice of species which have struck me with the most interest
(Cf. Palmæ) *Coccos nucifera* ^{cultivated by natives; now orange with} is certainly a native of Florida. I have
found it in many places always near the beach or upon low mangrove
shores or Islands. Another species of *Coccos* is probably a native
as I have often observed its fruit which is of much smaller size flowering

about the shores. but have not observed it growing. The Royal Palm of
the West Indies I have found growing in all its majesty both upon
the eastern & western coasts. another species of palm having something
the appearance of the date Palm but with fronds much longer & armed
with the most horrid spines. I have not had leisure to ascertain the
~~genus~~ ^{what} it is. but am told that it is common in Mexico. I think
that I have now 7 species of *Eugenia*. one which I discovered on
my last trip the proudest of all being a lofty tree of the hammocks
with a straight trunk & furnishing a beautiful timber. I cannot at
this time give you an account of all. I am in hopes of being able to ^{enable}
^{you to add} a new genus to our conifera. I have some strange epidendrous plants & my
collections of Gramineae & Cyperoidae to me ~~as~~ I have not paid much
attention to those orders are overwhelming. I found them in great variety
on prairies & the borders of the everglades. I have quite a variety of ^{the}
plants. a *Plymphen* with yellow nearly inodorous flowers ~~about~~ not so
large as those of the *Odorata*. a submerged *Parnassia*. *Utricularia* *Pinguicula*
& some to which I am able to give no cognomen. To the *Euphorbiaceae* I have
made some additions - *Turneraceae* 3 or 4 species. *Rubiaceae* I have found but few
Convolvulaceae several. One with tuberous roots in shape size & taste almost
precisely like the sweet potatoes but the most splendid flowering vine I ever
beheld. The flowers almost precisely the colour of those of the *Labellia* -
Cardinalis a little deeper if any thing. I found it growing in the rocky burns
near the southern extreme of the peninsula. I brought home some of the
tubers & am trying to domesticate them. Of the Order *Eulycereae* I think
I have 2 or 3 sp. Do you remember a succulent leafed jointed vine attached
to a stick which I left with you on my visit to Princeton. It belongs to the
Asclepiadeae. I have since obtained the fruit. - but I cannot find it describ'd
in DeCandolle's *Prodromus* perhaps you can enlighten me. I hope you will retain for
me a labelled specimen of all the plants that I have transmitted to you. In my
next I will give you something of the geological features of South Florida & its antiquities
yours truly - J L Blodgett





No 67 Crosby St. Medical College

67 Crosby St.

New York

John J. D. M.D.



John Torrey, M.D.
New York
No. 67 Crosby St. Medical College
67 Crosby St.

Key West 15th Oct 1845

My Dear Sir

I received your letter dated Princeton May 28th but not mailed until Aug 5th yesterday - having been absent on a Botanical Tour to the Maine - otherwise I might have obtained it 5 or 6 weeks earlier. My change of business does not seem to change my taste, as you express a fear On the contrary judging from the time that I have spent to the total neglect of business - The expense incurred, the hardship endured & the health exposed I think my taste for botany is above fever heat. It is very easy for one to think of making a complete Botanical exploration of Florida but it [is] not easy to put in practice. To do this you must make up your mind to wade, swim & crawl, exposed to a heat of from 120 to 140 degrees excepting a few days in winter your hands well gloved & your face covered with gauze to prevent being devoured by Mosketoes. For if it is not generally known it is certainly a well established fact in Natural History that these insects have undisputed survey of a large portion of South Florida especialy in the neighbourhood of Cape Sable & they are not to be endured for a moment even without some kind of protection. Add to this the drenching rains, want of shelter at seasons most favourable to making collections loss of your labour as is sometimes unavoidable on account of the weather being unfavourable to the cureing of them and you have some idea of the difficulties to be

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close affinity for anything else - but of this you are more competent to judge. Of my collections I suppose I may have some 3 or 400 species that I may not have transmitted to you. But many of these are in a bad condition especially those gathered in my last trip which from ill health I was unable to secure properly. But I think most if not all of them can be made out you shall if my life is continued yet sight of them sometime next June when I hope my collection will be much augmented. I shall only give you now some notice of species which have struck me with the most interest (Of Palmae) Cocos nucifera is certainly a native of Florida. I have found it in many places always near the beach or upon low mangrove shores or Islands. Another species of Cocos is probably a native as I have often observed its fruit which is of much small size floating

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about the shores but have not observed it growing. The Royal Palm of the West Indies I have found growing in all its majesty both upon the eastern & western coasts. Another species of palm having something of the appearance of the date Palm but with fronds much longer & armed with the most horrid spines, I have not had the [illegible] of what it is, but am told it is common in Mexico. I think that I have now 7 species of Eugenia. One which I discovered on my last trip the proudest of all being a lofty tree of the hammocks with a straight trunk & furnishing a beautiful timber. I cannot at this time give you an account of all. I am in hopes of being able to enable you to add a new genus to our conifera. I have some strange epidendrous plants & my collections of Graminea & Cyperideae to me ~~who~~ as I have not paid much attention to those orders are overwhelming I found them in great variety on prairies & the borders of the everglades. I have quite a variety of aquatic plants. A Nymphea with yellow nearly inodorous flowers ~~about~~ not so large as those of Odorata, a submersed Parnassia, Utricularias, Pinguicula & some to which I am able to give no cognomen. To the Euphorbiace I have made some additions - Turnerace 3 or 4 species. Rubiaceae I have found but few, Convolvulaceae several. One with tuberous roots in shape size & taste almost precisely like the sweet potatoes but the most splendid flowering vine I ever beheld - the flowers almost precisely the colour of those of the Lobelia Cardinalis a little deeper if anything. I found it growing in the rocky barrens near the southern extreme of the peninsula. I brought home some of the tubers & am trying to domesticate them. Of the order Calycereae I think I have 2 or 3 sp. Do you remember a succulent leafless jointed vine attached to a stick which I left with you on my visit to Princeton. It belongs to the Asclepiadeae. I have since obtained the fruit. But I cannot find it described in Decandolle's Prodromus perhaps you can enlighten me. I hope you will retain for me a labelled specimen of all the plants that I have transmitted to you. In my next I will give you something of the Geological features of South Florida & its antiquity.

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