

From Mangles Letterbook (WAA)

Letter from G. F. Moore to Cap. Mangles.

Perth. 18 July 35

in reply to Mangles letter 24 Nov. 1834

... in respect of seeds which you are desirous of procuring
I have adopted this course ... One of Mr Drummond's sons
under the immediate superintendence of his father, makes
regular collections of all the indigenous plants for the purposes
of sale & export at the price of 1/- for each package of seeds
of a distinct sort. He considers that 100 packages will
contain a complete assortment of all the varieties of this
colony, which are now procurable or which are worth
sending, each package will be labelled with its botanical
description & some other directions which Mr Drummond's experience
will suggest. [£5. for this collection]

consigned by G. F. Moore from Swan. July 1835 coll by Drummond

p. 15.

100 varieties listed. From Swan, Vasse, Augusta, K. & S.

Letter from G. F. Moore to Capn Mangles. Dec 21. 1835.

ackn. recd of books & 2 boxes plant (incl Sea.) by "Hero" & ^{plants} given
instantly to care of "Mr Drummond" who has means of irrigating by
a spring" (cf. Dr. letter unfav. acc/ of plant cond. — "I have urged
Mr Dr. to commence a corresp with the house of Roddicks ... "Mr Dr.
is the only scientific & practical botanist in the colony & he can distinguish
& apprec. the varieties

M. I. p. 11. G.F.M to M. Perth. 18. 7. 1835

I have been greatly gratified by the receipt of your letters of the date of 24th Nov. 1834. The trouble which you have taken in sending three of the same date, makes me feel the more sensibly the extent of your kindness. It may be satisfactory to you to know in what order they arrived at their destination. One of the duplicates which had the direction "Via Cape of Good Hope" & the letter with only the general address arrived by the "Sir D. Ogilby" from the Cape on the 30th of last month, and the other duplicate directed 'via Hobart Town' arrived by the "Sir John Ray Reid" from Hobart Town on the 9th of this month. so you see if it was a fair start the Cape has won the race.

The circumstance of the Sir D. Ogilby not returning to England before her voyage here has been the occasion of disappointment to many as letters are frequently kept by the friends at home for some direct opportunity, but as some of my friends have adopted the plan of putting letters into the Post office without reference to the sailing of any particular vessel,

I have been fortunate in receiving letters with tolerable regularity. The Cape is generally considered the preferable route.

M. Dr to M 1 Nov 1837. Br. presented his book to Dr.

The book he made me a present of, is of great use to me, now that I am devoting my time in earnest to Botany

From Letters etc. Botany, Gardening, Seeds, Horticulture The Parks. Vol. 1. 2

(Better Mangles WAA)

1792

WAA
Mangles Letterbook

J. Drummond to Captain Mangles, A.N.

Valley of the Hellena
Swan River W.A.
Sept. 18. 1835

Dear Sir,

I have a grant of land in the Valley of the Hellena of 3000 acres on which I propose performing the location duties by planting the Olive & the Vine especially the latter the grant contains land of two very different descriptions of which I send you samples & I would consider it a particular favour if you would get some of your scientific friends to analyze the samples & let me know the result. The sample N° 1 is the soil found among the granite rocks I know it is by far the most productive in corn & grass, but I do not know what to think about it as regards the vine & olive; N° 2. is the soil found among what is called here the Monstone Rocks. it is supposed to be a very bad soil, but it produces magnificent Mahogany & Red Gum Trees & it is the soil which produces many of our most beautiful native shrubs in their greatest perfection.

I suppose from ^{that} the soil what there is of it, must be of the very worst description. N° 3 is the alluvial soil found in the bottom of the valley. I am anxious to know if it contains any portion of calcareous matter. Since my botanic garden here was given up I am doing a little in the way of collecting native seeds, if you or any of your friends want anything in that way I beg you will not forget me.

2. letter to Mangley Sept 18. 1835.

if I could get orders for as many seeds & specimens of our native plants as would pay for the additional expense. I must be at in living among & travelling through the country. I would devote my whole time to making collections; now that a regular communication is kept up with the colony by your friends in London. If they were to send me orders by one ship I would be careful & punctual to return them by the next. If for specimens, the description of plants should be specified & paper sent to pack them in for that is seldom to be had here - I have just returned from a journey I took in the direction of the sources of the Hellena where I met with some beautiful new plants, one is particularly beautiful it belongs to the natural order of Goodenovia, or perhaps Lobelia. it grows in low spreading bushes with glaucous setaceous leaves & bear loose long nits of brilliant scarlet flowers each flower as large & quite as bright in colour as Lobelia fulgens. it grows on the same

plain that produces the new species of cypress of which I send you a few seeds in this letter you will be much pleased with my curious flycatching orchis I have no doubt it will grow & perform its operations from the roots. I send you through W. Moore, I enclose you specimen of it in this letter. The few seeds I enclose you in this letter are all of particular beautiful plants they are all good but the beautiful scarlet Grevillia which I fear is scarcely ripe enough it is a most magnificent plant growing about 6' tall in height in long spreading bushes in the sort of soil marked N^o 2 so it will be of importance

to have that examined for the sake of being able to grow
many of the fine plants of this colony to perfection
I send a small specimen of the rock by the decomposition
of which the soil is formed.

I remain,

Your obedient humble servant
James Drummond

" all these were analysed in Germany by a friend thro'
Dr Lindley's kindness & the result sent to
Mr Drummond by Capt M. "

G. F. Moore to Capn Mangles. 21 Dec 1835.

"If he ^(Drummond) do write to Loddiges it would be kind of you to mention to them also who he is that they may cultivate his acquaintance. The poor fellow's mind was a little disturbed about the time he was removed from the Govt. Garden here. his mind soon regained its tone & he now lives in the country happily with his family: one of his sons inherits a taste for the father's pursuits & a little encouragement might make him very useful. There is a wide & almost untrodden field here for a botanist & Mr D is the only one I know capable of examining it

G. F. Moore to Loddiges. 22 Dec. 1835.

Intro. J. Dr. as a scientific & practical botanist & suggesting ^{a working} an arrangement between Loddiges, Drummond & Moore.

"I would just venture to hint that as he lives in a retired way in the country & as his means are limited though sufficient any direct expense attending on transmission of these boxes [of plants from Engl. ordered by Dr.] would fall rather heavily on him" So. Moore would bear exp. & plants to Dr to cultivate etc on understanding that Moore got first rooted original plants after Dr. had propagated therefrom.

Letters etc. Botany, Gardening, Seeds. Vol. p4.

J. Drummonds letter to
Swan R. W. Australia

Messrs Loddiges.

Dec 1835.

Messrs Loddiges

Mr Moore sent me two boxes of plants which he received from you to nurse for him requesting that I would fill the boxes again with the plants of in (muds) for the Orchidea are all out of flower at this time & dried up.

So that it is very difficult to find them. By scratching in the spots where I knew them to grow I got about 200 roots which I have placed in the soil near the surface of the box with the sloping roof, and *Orchis* is a beautiful aquatic sp. you will find the roots in one corner of the box packed in the mud in which it grows taken from a lake on my farm. I send you some roots which I had marked of my curious *catulphy orchis*, the stigma of which forms a lid to the boot shaped lower lip. when the plant is in flower the lid rises up & when flies or other small insects light on it, it makes a sudden revolution like the stigma in *Stylidium* & imprisons the insect in the lower part of the flower where the anthers are situated. I send you also some roots of two species of a very remarkable genus of *Orchideae*. with a remarkable hinge in the stigma & which moves every time the plant is blown about in the wind.

*Calceana
nigrita*

J. Drummond's ² letter to Loddiges. Dec. 1835.

I send you along with some seeds some dried specimens of the Orchis by which you will know the plants when they make their appearance; the roots are not much larger than peas, so please be careful not to overlook them. I send you bulbs of a very fine Stylidium with leaves like *Hellomastubulata*. I send you a good supply of plants *Kingia* (*Kingia*?). I shall be happy to send you seeds and plants from this country (in exchange) for seeds & plants ^(that) can be easily procured about London, at present we are more in want of fruits than flowers if you would send me a few good sorts of black & purple grasses (*grapes*? ^{Re}) we have two or three white sorts already, a few good maddin plants of peaches, nectarines, plums, pears, apricots, figs, Spanish chestnuts, any good sort of grapes for wine making or for making raisins, the ^{Jart} Currant, & if possible the varieties of Olive cultivated in Spain & Portugal, a plant of the common Moss Rose, the white Provence Plant, the Lily of the Valley, the Garrara Panania roots & seeds, any variety you can spare of Narcissus. (add to the foregoing catalogue American Aloe, *Jamarid*) the plant you sent out in the air tight boxes did not answer so well as those brought out in the ^{splagum} Spanish Nabash (or Moss) half the plants were dead when I opened them & many of the others I fear

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3 J. Drummond & Laddiges Dec 1835

will not survive. I regret to say that the Tea Trees are dead both times you sent them they were very ill in the boxes. I fear the moisture was the cause of their death, it was the reverse with the others brought out by Capt. Mangles, the plant perished under a slit in the cover where the moss got too dry. Seeds of everything that can be got, for seeds ^{are} I think by far the best, if you send me the fruit trees I write for I will take care to send you a ~~sintelle~~ return in the productions of this country, along with seeds I will send you a description of the soil & situation in which they grow which will be of use to you a few seeds of good variety of the Dahlia especially the Prenance? flowered. A few seeds of any plants you can spare will be useful here.

I am your obedient servant, James Drummond.

P.S. My sons are all naturalists, we have found over 50 species of orchidea in the colony but many of them are rare and social plants. The seeds are directed Captain Mangles

Letter 3.

Drummond to Mangles.

(Mangles letter to WAA)

23 Aug. 1836

9.

To Capt'n. Mangles. ~~W. Australia.~~

Campus Swan River.

Aug. 23. 1836.

Dear Sir, I received the boxes, seed & letters you were so kind as to send me by the "Addingham" but not until after the sailing of the vessel. I had sent you a box of *Nyctaria* & *Kingia* by the "Hero" & other plants which I hope reached you in a good state; they were sent again by the "Addingham", if they do not reach England by some of these vessels (alive) there will be little use trying them any more in that way. The seeds will be the only things to be depended on. The roots of the *Orchideae* may be sent quite safely by taking up the roots when they are out of flower & packing them in dry sand. If those sent by the "Hero" failed it will have been on account of the moisture. I hope my curious flycatching *Orchis* & the two species of curious ones with the jointed stigmas survive the voyage, if you could get them to flower in England they would give additional interest to the very beautiful & national order to which they belong. I consider my flycatching sp. the most curious & remarkable sensitive plant I have ever seen or heard of. We have increased our list of *Orchideae* to over 50 sp. of that number half a dozen are very rare & have not been gathered more than once or twice all the others I could send you roots of. I wrote you by the "Hero" to what your good offices

2 J. Drummond to Mangles 23 Aug 1836

in procuring me orders for seeds & specimens if I can succeed
in getting orders that will enable me to live merely by the
business I will devote my whole time to making collections
little good can be done by devoting a few days now & then
when ones attention is necessarily taken up by other affairs.
I was sorry to hear that the seeds sent you by Mr Moore
were destroyed by grubs. I will take particular care in the
future that the eggs of insects are not put up along with them.
if Mr Hope would send me boxes to put insects into with
cork in them & one or two of a size fit to go into the pocket
of a shooting jacket with a supply of pins of a proper sort;
camphor to put up along with them & a ~~net~~ net for catching
them I will send him annually a couple of pairs of
all the insects that I can collect & find in my different
journeys all through the country but I am to be considered
bound to collect only for him, all that are not required for
his collection I will send home for you or your cousin to
dispose of, as you have kindly offered to get him to send me
out articles we are in want of here for the money I may
get for insects plants or seeds etc. Paper for seeds & specimens
& the necessary apparatus for preserving insects are not
to be had for money. This country is very rich in some of
the orders of insects He had a very extensive & valuable collection
of Swan River insects at one time which was unfortunately

3 J. Drummond to Mangley 23 Aug 1836

Hardey Diary Vol I. Pt VI. p26 - WAHS. Oct 1833 Drummond's house
burned down.

destroyed by fire with almost everything else we had. I
send you by the "Hero" an account of a magnificent plant
found towards the sources of the Helena. I call it
Leschenaultia fulgens / we are not very rich in mosses
but some of what we have I believe are new / of ferns
we have only four which grow in the neighbourhood of the
Swan / all these I have sent you in the two glazed
boxes / I observed other species at King Georges Sound
(of Ferns) we have a magnificent plant the genus of which
I do not know it belongs to the 10th Class of Linnaeus &
I think it is allied to the American genus of *Kalmia*?

There are several species of it but the most magnificent is
the one with golden yellow flowers which grows on the sandy
plains between the Swan & the North Beech the flowers are
borne in large corymbs several feet in diameter!

? *Vorticordia*
nitida

The calyxes elegantly cut & fringed, the flowers are very fragrant
& have all the properties of everlasting flowers. I enclose you a few
of the flowers in this letter & will be much obliged by your
letting me know its name. (*Chamaelaucium* ? "Lindley" it is
a new genus of the natural order " it the name of the
genus to which it belongs. Among the things I am most in
want of are books which describe the plants of New Holland,
Species, Plantarium, etc. I think Persoon's Synopsis is a good one,
I have got Mr Brown's work but that only includes some of
the natural orders.

4 J. Drummond to Mangles 23 Aug 1836 12

If you can procure me some orders to enable me to live in the bush I will send you specimens, seeds, mosses, insects etc. until you are tired of them.

I am, your very obedient humble servant
James Drummond

P.S. Two of my sons collect & preserve birds & insects. They have disposed of two collections to go to the Cape, & I believe from that to England. but in future when we get anything that is worth while we will send them home to you. We shall send what we have by the next vessel from M Mangles. The American plants sent to Mr Bull were nearly all dead, & all the seeds destroyed by the damp.

Lady Stirling to Capn Mangles. Sep 21. 1837 Letter via V. D. Island.

Box N^o 2 is now at Drummonds who has promised to fill it with the varieties you have named in your letters to him. & you may depend on there both going home in the "Hero" which is to sail in a month or 6 weeks. I fear most of the fruit trees sent in N^o 2 are dead. Those in the first box are flourishing well, but Borron who removed those that came last is of opinion that very few are living: those that came packed in moss are Mr Drummonds's property & I have not yet heard in what order they arrived. I think in future you had better send everything intended for Mr Drummonds directed to him, partnerships lead to disagreement as in the present instance. Mr D. could not understand my claim to half the I showed him your letter, & even in his own which I read. you distinctly state that a division was to be made. He was quite wrath but I adhered to the point for as the boxes are directed to me I have to pay all expenses bringing them up & sending them down, & at length he arranged it that I was to have the glazed box. & he was to take the plants packed in moss. he has promised however to fill ~~the~~ box which I was pleased to hear & I wish you to let me know whether his or Capn Meares arrive in the best condition that I may know which to apply to in the future; from what I have said I am sure you will perceive the expediency of sending Mr Drummonds share direct to him. & I hope, although I was obliged to mention the circumstance it will not prevent you from supplying him from time to time with such valuable trees as you may think most useful to the colony. for though a little warm he is a very worthy man & understands the cultivation of vines etc better than most people out here.

WAA- 479. Mangles Letter-book-

Lady Stirling to Captain James Mangles.

Perth. Jan 6th 1835

My dear James,

I have had no opportunity till now of answering your letter of June which reached me by HMS Beagle. ^(departed 6th 5.7.37)
~~she mentioned that~~ ^{it} was a very long one. but abusing poor old Drummond occupied so large a portion it that you had no room for any other subject. If you have received my last letter per "Hero" you will have discovered that my opinion of the aforesaid old gentleman corresponds very nearly with your own as I have mentioned the misunderstanding which existed between us respecting the division of the last collection which you sent out. I have never seen him since the discussion took place, but I heard that he sent you by the "Hero" ⁽¹⁸³⁵⁻⁷⁾ a box of plants & I am anxious to learn whether his or mine succeeded best. I think Capt Meares will take more interest in the subject than Drummond who gets very old & stupid & appears only desirous to promote his own views.

[Meares & Vottoni & Mrs Ball all sending ap.]

W.A.F.

Drummond to Captain Mangles.

"Valley of the Hellenia"

Dear Sir

Nov. 1. 1837

I received two letters & many newspapers from you by the "Hero" for which I feel much obliged & especially for your offer to dispose of specimens of plants for me. - - -

I have not got a single plant of what has come out on board of the last two vessels, but I have filled the box for Soddiges Lady Stirling sent me carefully. and I have put in some hundreds of most beautiful plants. - I have sent your specimen book choke full of specimens & about 60 specimens of Proteaceae in a separate parcel (I have got about 500 sp. collected 10 sets of each) but I cannot get paper here at present to send them home in I expect some soon from the Cape. Paper here is sometimes 6" a sheet.

You will find in your specimen book numbers of pretty things (The specimens from the size of the book are obliged to be very small) in the first page there is a beautiful *Hebe* from the York district. You will find 3 species of *Bauera*, 4 of *Boerhaavia*, 5 or 6 of *Lasiopetalum*, the same number of *Vismia* one *Pumila* which I lately found is particularly beautiful it has large crimson bractea with snow white flowers or delicately tinged with blush, the foliage & habit of the plant

are also very elegant it grows on the hills near
the head of the Canning You will find some beautiful
plants among the Proteaceae I have mentioned them
& I wish you would get some of your botanical friends
to name them I am not quite sure of the species &
send me a list of the names according to the numbers.
N° 33 I suppose to be *Tragacarpus* ~~*bipinnatifida*~~ & N° 34 is a
fine & rare species nearly allied to it. The *Acaea* N° 14 is
not in blossom, that & many others of the Proteaceae were out
of flower before the arrival of the "Aero". Many of the *Banksias*
& others are not yet come into flower. The red flowering *Banksia*
though I suppose to be *B. Menziesii* but I have repeatedly
sent the seeds home of it & I wish to know if they succeeded
with you. The very hills here are crimson with the flowers
early in the spring. You will find some fine species
of *Petrophila* & the brilliant scarlet *Grevillea* N° 32 is scarcely
to be surpassed for beauty N° 34 is a beautiful plant
which I lately met with. it grows 5' or 6' high in large
groups propagating itself by seeds its loose waving
panicles with large sulphur coloured bracts are very showy
the flowers have a very sweet honeylike smell.

The *Petrophila* N° 10 is also a beautiful plant
which I lately met with.

M. Lady St to Al. p 161 6 Jan 1838

The Beagle arrived here the middle of November
& only sailed two days ago. to commence their survey.
Poor Capt. Wickham has been dangerously ill & indeed
he is still in a precarious state of health which will
make it necessary for him to be very careful of
himself in the arduous duties he has to perform;
Some of the officers were very scientific and almost
all were collectors either of shells, insects, or plants.
These pursuits are actually necessary to them
to vary the monotony of their life, for they are
sent out with directions to survey the coast, an
occupation which will employ them at least four
years, during which time they will enjoy
little or no communication with any settled
district, except when they are obliged to put in,
either here, or at Sydney for refreshments.

In making up my Specimens of Swan R. plants I propose to make them up in numbers of 100ⁱⁿ each: each number to contain a certain number of Gramineae, Cupervaceae, Leguminosae, Proteaceae, Orchideae etc, the numbers & plants in all the sets to correspond. I wish to make you a present of one set for the trouble you have in disposing of them & I wish Mr Brown to get specimens of any of the plants he may wish for. The book he made me a present of is of great use to me now that I am devoting my time in earnest to Botany. if Mr Brown would accept a whole set of the specimens & put the names to them it would add much to the value of the collection. I could send home a list of the numbers with some observations on the soil in which they grow also notes some of them are made of by the natives - --- Price mentioned of \$2 per 100 sp. is quite enough.

[Noting there had been no success with Kingra & Nyctia & that the requested fruit trees had not arrived

Also commenting on Bird skins ordered by Mr Swanson of Colney near Burnet which his sons were executing.]

p 219. Lindley to Mangles. 15. 9. 38

(Mangles hokus reus)

I return your two books... with the name of almost every species.
as far as they possess names. But as the greater part consist of unpublished
unnamed sp. it has in such cases been impossible to do more than name
the genera. - [Score under numbers he wants more of as not having such sp himself]

... I am anxious for material as I am bent upon publishing a view
of the Botany of Swan River Colony.

p 297 ^{undated} Lindley re Mrs Mollop C. May. 1839

C. F. Moore to Manglas. Oct 7. 1839 from Swan R.

Morrison collecting extensively " Since last I wrote to you Mr Drummond has been making extensive collections to fulfil some order I believe & has devoted his ~~whole~~ entire time to it "

[L. Preiss offered his extensive collection to the British Govt for £3000.]

James Drummond to. Capt. Mangles.

(Mangles letter to W.H.A.)

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Nov. 14. 1838

Dear Sir, I send you by the Joshua Carroll. a large collection
 of seeds & plants of our Swan River ^{300 sorts of finest plants 50 of them Proteaceae}

... & a very large bale of specimens of dried plants - of the greater part enough for 10 sets of specimens but for want of paper fit for the purpose I have not been able to divide them into sets - You may perhaps be able to meet with some person who would buy the whole collection reserving a full set of the specimens for your own herbarium. I leave it to you to do the best you can with them.

To do any good as a collector of seeds & specimens one must devote their whole time to it & it is a business which is attended with a great deal of expense. - if you can meet
 X with any working botanist of your acquaintance that would divide & arrange the specimens I would willingly give a complete set of the specimens of this part of New Holland to any person that would take the trouble to arrange & name them. should you think it necessary to divide the specimens in order to dispose of them to best advantage. I wish to present * Mr Brown with a full collection to be placed in the Linnean Herbarium or rather the Herbarium of the Linnean Society. [sp of 100 + Proteaceae, 50 Orchidea & 30 stylidaceae]

W.A.H. Mangles letterbooks Vol. II p. 118-119.

28.8.41. Mr W. J. Hooker to Mangles.

received letter from Drummond supposedly by Taylor but possibly in actual fact by G. F. Moore. on "Maia".

ref to Moon Cave. at York. & letter written en route to K. G. S.

2.9.1841. asking if G. F. Moore knew of Drummond's plans as Hooker wished to get in touch with him.

I quite agree with you in all you say about Gov's collectors & I wish like you that our people would give preference to British ones. Preiss has sent 2 sets of Swan River plants (dried) to this country but I do not patronise them. Drummond some time ago wrote to me to say he had made a collection of 12 sets.

I wrote at once to beg he would send them to me & assured him that I would get purchasers for all. Before he could receive my answer he had set out for K. G. Sound & his last two letters to me have been written en route. He had made some very interesting discoveries & I am most anxious to write to him as soon as possible.

forwarded — James Drummond — letter of