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355 Commonwealth Ave., Boston, Mass.

September 17, 1922.

My dear Mrs. Lankester:

I have just returned from England after an extended tour among European botanical centres where I went to accumulate records of Central and South American orchids. At Kew I saw many specimens collected by you in Costa Rica, the greater part unnamed. As it will take some time for Kew to recover from the loss of Rolfe and as the Germans are making great efforts to assemble Costa Rican material through Winkl. Junger, ~~B. Tonding and other collectors~~, it seems to me that you might be willing to send your material to me and to cooperate by stimulating orchidological interest among your neighbors. On my return home day before yesterday I found waiting for me a letter from C. W. Powell of Panama, in which the suggestion is made that I get in touch with you and at the same time secure from Kew for determination your unnamed material. It would surely be worth while if you can see your way clear to send me herbarium specimens and to send collectors into the orchid region of Costa Rica. I have already identified and describe as new one of your species of *Pleurothallis*, *P. palliolata* (Lankester 1922). The specimen was sent to me for determination by Hort. Kew.

We must work fast if we hope to keep ahead of the Germans. I was surprised to see how far reaching their efforts have been to secure a monopoly of ~~Central and South American~~ ^{herpet} species.

If you are interested, it will be delightful to go over with details. You remain
Oscar Ames

A

355-

Oct 1.

My dear Mr. Lankester:

When I was at Kew this summer I sought in vain for material of Pleurothallis Costaricensis Rolfe, a species based on your collection. I found the folder in which the specimens should have been filed away, but it was empty. A thorough search was made in every likely place, both by me and the Kew people, but without success. Do you happen to have plants of this species for which you could prepare specimens? At present there are two species from C.R. that are passing in literature under the name P. Costaricensis, one described by Rolfe the other by ~~Rosell~~ Seibert. Seibert's species is later than Rolfe's and must have a new name. Until I know what Rolfe's species is I am unable to do anything. Please help me if you can. Perhaps you know Rolfe's species quite well.

Thanking you for any assistance
you find time to give.

Yours very truly,

Osborne

2. x. 22.

Dr Oakes, Amers.

Boston, Mass.

My dear Sir,

C. W. P. of Panama has kindly sent me the letter of introduction to you enclosed.

I fear burdening you with further correspondence but am sure you can sympathize with a lonely "camp follower of science" & extend your capable helping hand.

He very kindly sent your letter written to him from Europe & naturally they were of immense interest to me, that from Vienna especially so, no wonder your sketches got frost-bitten there, Reichentach must have had cold feet him self; what an extraordinary impulse, surely his action could not have resulted from long reflection, it was a cruel blow to English orchidists, amateur & scientific, who had helped him so liberally. My two years absence from Costa Rica have seen, naturally, a good many of my tenderly cared for local sp. disappear from the garden, so many of the forest forms need constant attention during the dry season of the cultivated zone, such orchids as remain, are here, which is a coffee plantation I have in partnership with a resident partner, now on leave, at his return we go seeking specimens new & I hope to obtain a pair in which

to settle down in place & have a happy orchid garden.

The last five years we have lived practically in our
box, a very unhappy state of affairs.

Oh! I had a wonderful year in Tropical Africa,
nearly all in hands & came home down the hill.

I brought one Angrasium Kotchyii & one Ansellia
safely here, & hope they will thrive.

With regards

Yours faithfully

Ch. Lankester.

Pray let me know if I can help you in any way.

Las Conchas
to-day.
Costa Rica.
11. X. 72.

My dear D. Ames,

I was delighted to receive yours of Sept 17 & to know that you were safely returned after your European trip, our letters have crossed & you will find I have raised already, supplicating hands to you, so that your letter is very enclosing. My work was very fragmentary for Rolfe, good specimens are often hard to come by & I am no hand at preparing them. My chief desire is to have a settled home from which to work, since 1917 we have lived in our home & this does not favour orchidological work.

As to sending out collectors that I fear is impossible to me, of the three local men you mention, poor Adolfo Jindig is dead, he went to Guatemala to the Ministry of Agriculture & went out some time at the end of last year. Truckle has collected much material for don Amparo de Zeledón who corresponded with Schlechter, in which interest also Olón Jiménez has been busy, him I will surely direct to you in due season, Truckle is a dipsomaniac, an appalling wreck of a fine intelligence

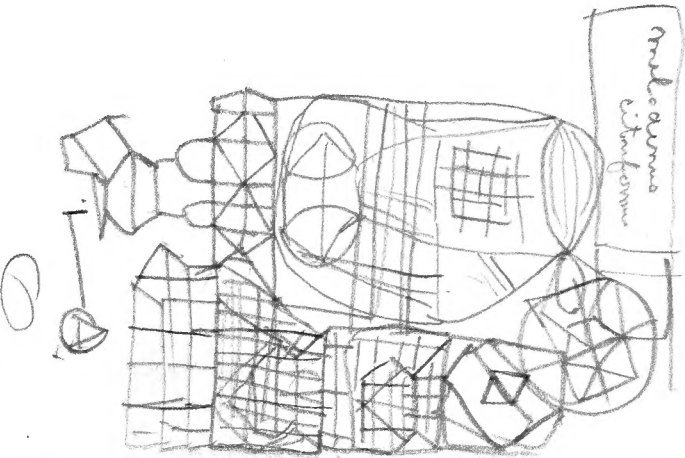
but has still a good local knowledge & might be of use yet.
Poor Inday was also hopeless in this regard & the possession
of a small sum of money was immediately fatal. I kept
him here 10 months during our previous stay at Encarnacion,
& had him "dry" the whole time, clothed, fed & with
tobacco he became a new man, but a salaried position
in Guatemala broke him completely.

A fair stimulation of orchidological interest is
exceedingly important & likely to be successful
in CR only if carried out by a professor of botany
among his pupils; if we planters, et al. who reside
here temporarily & for purposes of gain, I think I
alone have the necessary madness.

A good deal of practice in back-swinging & a keen
eye, and with the necessary leisure & dedication, not
often eminent factors, I am an incorrigible collector,
in 1900 birds claimed my first love, succeeded by
insects & orchids & in all I have a catholic interest.

Given the acquisition of the ordinary desired piece
home I hope to be able to help you, surely much
remains to be done here.

Yours very faithfully
C. L. Lankester.



Three hundred and fifty-five
Commonwealth Avenue

October 18th, 1922.

My dear Mr. Lankester :

Your letter dated October 10th reached me yesterday evening. By this time you will have received two letters from me which were written before Mr. Powell so kindly undertook to establish between us a meeting by post.

I am delighted to learn from you that my rambling notes to Mr. Powell contained information that you deemed worth reading. I do not quite understand your allusion to cold feet as applied to Reichenbach, although I take it that you mean he was mentally troubled by fears of what his contemporaries might think of the slovenly scrap heap that he left behind. Reichenbach, as I see the situation now, rose to eminence as an orchidologist simply because of unexampled opportunity. When I review the sensations stimulated by his famous herbarium preserved at Vienna, I find them far from flattering. The lack of data, the indecipherable handwriting, the scrappy specimens (types often consisting of a single flower), and the odd bits of paper that bear meagre and often inadequate information, give rise to disgust. When

Three hundred and fifty-five
Commonwealth Avenue

2

it is borne in mind that this stuff was left in loose array, one thinks of what its original condition must have been, with disgust, and views the present arrangement of its contents with distrust. If we compare Reichenbach with Lindley, the former suffers prodigiously! When a set of international botanical rules was adopted in Vienna in 1905, an attempt should have been made to introduce a resolution as follows: that the work of any systematist who closes his herbarium to inspection shall be nullified, and this rule if adopted should have been made retroactive. We are empowered now by botanical laws, internationally agreed on, to nullify species if they are not properly presented to science, even though the types may be easily seen. Yet, the Reichenbachian Herbarium has been an almost insuperable obstacle to the progress of orchidology for over twenty years, because its founder violated the very spirit of science.

You have offered to help me. Please take this letter to be an unqualified acceptance of that offer. How can you help me? By sending herbarium material of every Costa Rican orchid you are able to secure. This, to a man whose hours are full of more important and more pressing duties

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5

than orchid hunting, may seem to be a greedy demand. But it is a demand made with unselfish motives. I have awakened to the full realization that those who speak a different language from ours, have set out to win for themselves, by all successful methods, a monopoly of tropical American orchids. To offset the dire consequences to us of this situation, I want to stimulate an interest in the collection and preservation of Central and South American species. If you are willing to co-operate with me I will send you drying papers and other equipment necessary for the proper preservation of specimens in quantity. If you are able to excite the interest of your neighbors, someone may find pleasure in work for payment. I am willing to pay for time afield or to purchase specimens.

Do you know Werckle? Could you enlist his services at a specified wage? I believe he now sends specimens to Dr. Schlechter.

You will ascertain from this letter that I am deeply interested in orchids. Perhaps my motives are selfish, but deep down in my heart I know they are altruistic within a realm that your instincts will approve of.

Yours sincerely,

Walter Ames.

Las Concepciones

Chiriquí.

Oct 21. 1922.

My dear Dr Ames.

So many thanks for yours of 1st inst.

I fear *Pleurothallis costaricensis* is beyond me at present. it is my #23 & was a plant sent alive to Kew in 1914, if still alive, it may be possible to secure herbarium material should it flower again. So many of the plants I have sent were unique; of those taken home in 1920, the major part died, owing to our long voyage by way of the Spanish main, & very many of these I may never find again.

Unless I can make a home, with some fixity of tenure, it is doubtful if I can be of much use to you, of many small *Pleurothallids* left growing here but few survive. I had a fine little group of *Lepeanthus* & cannot find one left.

One nice *Pleurothallis* is now in flower & this shall be preserved for you, from Rolfe delayed promotion on many species, in the hope of getting to Vienna, Reichenbach was a veritable hyphen to him.

By this mail a long letter from our mutual friend of Panama, with instructions for drying & preserving specimens, there I hope to try, & may I bother you to get for me a small quantity of the necessary materials. I have nothing left of use.

Was Costantini's work on the Orchidaceae ever finished?
I saw one of the first numbers & should like to obtain it
if completed.

A rather curious Drymopteris has just flowered here
& this I am preserving, the bulbs are borne on long
rhizomatous stems & I cannot recollect where it was
found, this, a small Ornithoglossum & a fine plant
of a Campylocentrum are the only things of interest to
send you, & these shall go to you before we leave
here for Calcutta, some time next month, as my
practice is returning & we must repair to fresh quarters.
I have also a yellow flowered Euphrodium I should
like named, another small " from the coast,
& a rare & very small Chondrorhynchus?

As you say, my material to Rolfe was rather
fragmentary, mainly due to paucity of material, &
most of the sp of mine he dissected from living
plants. I don't very much if Sigmatostele
Costantinensis will prove valid.

With regards,

Faithfully yours

Costantini

I wonder if Rolfe took the spray of Pleurothallis Costantinensis
to Miss Fitch to be drawn before pressing & that it was
lost in that manner. Unfortunately I have no note on it
Shatskovsky & cannot at this time get at any Kew Bulletin
to look up the description, it is most likely from Cachri

H. XI. 22. (Received Nov. 20)

My dear Dr. Ames,

I must send you just a note of acknowledgment of your kind letter of Oct 18th.

Perhaps the comparison between Reich f & Lindley is scarcely fair to the former, in that he was also working in many other branches of science. Whereas the latter was a botanical pure & simple & must have had the personal example of Robert Brown, though I am not quite sure of my date. I must say, some things that one reads, are very hard to credit, one especially, has always puzzled me, viz that any man should try to force Cattleya & Epidendrum into one genus, of course in Orchidology the gardeners, in early days, may have been successful Obstructionists. Poor Rolfe was always very bitter on the subject of Reichentachs' faith joke. indeed the latter was so much indebted to British science & horticulturists that he played both a very cunning

trick. Now, a point you raise "every Costa Rican orchid" does this mean that you require specimens of all our commonest species, Epid. ciliaris & so forth

11
one imagines a fairly large list would be formed from those you really do not require & if this is so & your time permits such a list would be welcome.

In your anti-penultimate paragraph you kindly suggest sending some material - this in a subsequent letter, now in emb. I have already begged & may say that I have no equipment whatsoever.

Frankly I will try & get hold of for you, a very emb. & difficult person these days one fears. His present patroness, dona Amparo Beledón, has been the inspirer & main spring of his work for scholars. Two more likely helpers for you are Oton Jiménez & Brenes of the Museum, both of whom have sent much material to R. S.; when opportunity offers an interview may effect what a letter would not, as I believe Beledón is much revered by both.

I understand he is an excellent correspondent & this is a grateful quality to any one of us camp followers. My first attempt at C.V.P.'s ironing game is not a conspicuous success. I tried the flower between newspaper & imagine an absorbent surface would be better; this experience will determine.

For the next three weeks I shall be very much tied up, we have moved some of our furniture over to Carapaz & have to get the house straight.

all this just for three months, (the period we have been able to secure the house for) & I only hope the longed for plantation will turn up during that time & not too far from the woodland, then we can settle down & grow orchids, I have always longed to have a place with plenty of suitable trees, as orchids thrive so much better here grown naturally, in pots they rarely here attain the perfection shown by them under such cultivation at home.

Yours faithfully

C. J. Conkling.

355 Commonwealth Avenue, Boston, Mass.

November 20th, 1922.

My dear Mr. Lankester:

Your letter of the fourth arrived this morning. Your remarks regarding the absurdity of forcing *Cattleya* into *Epidendrum* held my attention. Reichenbach did this in Walpers' *Annales*, vol. 6. At one time I thought he was off on a silly tangent, but I am not so sure about this now. If you hold a specimen of *Epidendrum rigidum* beside a specimen of *Cattleya labiata* and assert that these species represent genera which are so closely allied that taxonomic separation is difficult, the "man in the street" is justified in any sign of horror that he may experience. And yet, viewed as a whole the genera of the *Epidendrum* alliance exhibit such close interweaving of characters that attempts at generic cleavage result in the union of unlike elements. I write this feelingly, because I have been struggling for days in the effort to make a key to the Central American species and genera. I feel that *Cattleya* is distinct from *Epidendrum*, but I cannot make it so for the uninitiated, that is for the man who has no traditional convictions and who has no preconceived ideas. Try yourself to make a key that will hold. Aside from the purely taxonomic aspect of the subject, there is the perplexing nomenclatorial one. *Epidendrum* has as its type species *Epidendrum Vanilla* which is not an *Epidendrum*. Recently *Epidendrum* has been split up into numerous small genera, but I am unable to

discover the advantages in inordinate splitting. I would rather have my difficulties at one point rather than at two or more.

You ask if I really desire specimens of every Costa Rican orchid, even of the common ones. Of course I have most of the common species, but in the preparation of a flora one likes to check up ranges by the examination of actual specimens. Some species that may seem common to you are not necessarily common in herbaria. Epidendrum costaricense, for example is not at all well represented in our collections. I suppose it is common somewhere. Use your own judgement. I ask no greater favor.

Would you be interested in having my seven published volumes of ORCHIDACEAE. I could send them to you, and if they proved a burden you might deposit them in some library where they might some day prove useful. Under another cover I am sending you a little periodical that I have just started for the purpose of quick publication of new things. I hope to see some of your discoveries treated in its pages before long.

I have already forwarded a plant press and driers. I am anxious that these should reach you promptly. If you need anything from here, please feel free to ask for it.

You may ^{be} sure that I realize how R.S. ^{has rallied} the forces of Costa Rica to his aid. He is a live wire, although I sometimes think that his enthusiasm outruns his good judgement. He works rapidly. With collectors this seems to be an attractive failing.

Yours with best wishes,

Calvin Amer.

Apr 32 Cartago.
1. XII. 22.

Dear Dr Ames,

Herewith the few plants promised at my last writing, 365 & 369 were dried by hot iron & neither very successfully, the possibilities are obviously great & I hope to acquire a reasonable proficiency for the next results of my collecting.

We are installed here till the 1st of Feb & have then to make another move, these quarters tho' fairly pleasant, are very cramped & I have no room to myself, we are opposite the remains of Carnegie's Peace Palace ruined by the earthquake of 1910 & few weeks on the date fixed for the opening ceremony & its gaint remains are being ground up, by an electrically driven stone crusher, into road metal for the streets of Cartago, our ways, therefore, shined to ways of peace.

Tho' I beg forgiveness for the weakness of these specimens I trust some may prove of interest & use.

With warm regards
Very faithfully yours,
C. L. Lankford.

P.S. In a letter referring to some of my living plants that are now flowering at Kew, Taylor mentions as being in them *Pleurothallis cochleata*, *P. papillifera*, *P. costaricensis* - V.S.S. I hope this has not been wrongly labelled.

32. Cartago.

Costa Rica.

Dec 8. 1922.

My dear Dr Ames,

I will thank you first for yours of Nov 20th, though I feel assured that a postal packet on which I fulfilled official requirements on Wednesday last, & qualified as "live plants", must be the material you have so kindly sent, if so acknowledgement will be made later, when it reaches Cartago.

Into the *Cattleya-Epidendrum* question, of course, I am not equipped to enter, indeed it would be ridiculous for me to do so with my very slight regional knowledge; myself I always think of true *Epidendrum* as those with the column & lip fused & which are by that very well separated from *Cattleya*s, here again in CR we have these two strange aberrant forms. *E. Stainrodianum* & *E. laterale*, these two strange aberrant forms, the latter is I believe only known from this country & seems a scarce plant.

Well, I will dispense here to tell you that I called on Otin Jimenez in San José & tried to wear him from the R & connection, & really cannot give you much hope, as he seems strongly attracted to that, & for two reasons, namely his half German origin (mother n. Luthmer) & Italian pleasant correspondence of some years standing.

(one Valerio)
He has apparently asked a normal school teacher to collect for you, as some of the Washington men are active in your behalf, & has written him on the subject, he himself is in his father's drug store & is kept pretty busy & probably does most of the work & will soon assume full charge, so that his own opportunities will tend to become restricted to very occasional holiday excursions.

Wreckle' is I fear quite hopeless, I called on donna Amparo Zeledon who was not at home, & she is quite dependent on outside aid for any specimens, mother enthusiast, Alberto Brenes, ^{also} appears hopeless at present.

Epid. Costaricensis, this occurs probably only on the Pacific slope, I have seen it south of San Jose on the southern side of Candelaria & infer it has a somewhat restricted range tho it possibly reaches Nicaragua through Guanacaste, & I am unaware of its southern limit; friend Parol can help there.

It would be of the greatest interest to me to see the volume of Orchidaceae & the periodical you mention, many thanks.

Apropos of your query re Pleurothallis costaricensis in a previous letter, I have just heard from Taylor, the foreman at Kew, that of my plants, P. cochlearata, P. papillifera & P. costaricensis are in flower, now I can only hope that no label juggling has occurred & that the last is really the plant R. & C. described, if so a note to Hill will do the trick for you, though in all probability a year's wait will be necessary.

I know your patients will be often tried by red. herms of mine, there so often turn the trait of the "camp follower"; but take Miltonia Schneideriana & compare with Odontoglossum cariniferum, each of our region, is the first justly included in Miltonia & really congenial with M. Veillonii & Endressii?

A plant of Lycaste Skinneri now in flower has two flowers on the one rachis & one of my Catt. Brianae has a di-phyllous bulb, this tho' frequently occurring on small non-flowering bulbs, has not heretofore done so on a full-sized flower-bearing one, with me.

Described in 1847 evidently saw Catt. Downiana here, probably he did not however see it in bloom, or he would not have passed it by without remark; or placed it as C. latifolia, hence Schlecter includes this among Cent Amer species, & though I have seen references to other latifolia Cattleyas as occurring in Mexico. Cf. C. quadricolor. Caracas, am inclined to doubt them without adequate modern confirmation.

Catt. granulosa from Guatemala - can this be?

Is not Catt. Guatemalensis a hybrid between aurantiaca & Skinneri. This I have never seen.

Fryer a personal question & my ignorance, if I ask you your relationship to the Ames of Vanda Amesiana. I had it years ago & lost it, & have just imported another from Stuart Low. V. Kimballiana & V. Quain do very well here, not so V. Hies, V. Min Jacquini or eximius though the last did once give me two splendid sprays.

With kind regards

Faithfully yours,

C. H. Lambart.

Dec 9. Please pass on material to hand today. very best thanks.

32 Eastop.

Dec 22. 1922.

Dear Dr Ames,

A letter by today's mail from CWP provokes me to send you a word of greeting & good cheer for 1923 - the following rambling remarks.

Marsdenia Livingstonii - Do you know Royle's story? of I bore you with an old tale, herewith apologetic. However history hath it, that crossing the isthmus he had to wait for a train at Culebra, & naturally explored the surrounding jungle, finding them to his astonishment a Marsdenia, which eventually reached home & ^{the plants} were put up to auction at Havana, the very day on which news of Livingston's death arrived. & that accounts for the dedication (of which Rehb seemed unaware; by the by, CWP sent me yours with photo, hence this record)

There is little doubt of CWP's plant: & I have told him of Royle's locality. it is undoubtedly an unusual station for Marsdenia, yet the Pleurothallidaceae are great in zonal range. small inconspicuous forms occur at sea level here:

I have made you a few specimens & will try your indulgence for the scrappy nature of some of them, you will understand that ^{one} small plant is often my only stock & I offer you only the inflorescence & a single leaf perhaps; if at a later time better ones are possible they shall follow as duplicates. Among these, are, Pleurothallis grandis (Roepf) Chondrocyche albida (Roepf) Oncidium Wassonigii (Rehb) a Wolffia, ^{two} ^{one} ^{very} ^{fine} Marsdenia, an Epidendrum, closely allied to what I know as E. spodioides

from a different region & of more compact growth, Pleurothallis
immersa.

The hedgerows round Entago are bright in many places
with Epid radicans & when this frequently stone walls
covered with Bryophyllum in bloom the effect is very
charming, I have often tried the pollen of radicans on
Castleya but have never had a ripe Capsule, this year
one in C Durana progressed very well until a prolonged
spell of wet brought the usual dose of Anthracnose along.

May I thank you again for the splendid
equipment you sent I am most grateful for it, it
fills a long felt want.

With kind regards,

Faithfully yours,

W. L. Hancock.

355 Commonwealth Avenue, Boston, Mass.

December 30th, 1922.

My dear Mr. Lankester:

Your letter of December 8th, has arrived. Now that I know you are ready to receive the copies of my publications, it will be a pleasure to forward them to you. Should they prove too bulky and take up too much room, I am sure that you will be able to dispose of them to some one of the museums.

You refer to Epidendrum laterale. This species has never been properly published under that name. I am afraid we must take up for it the name proposed by Schlechter, that is, E. Rousseauae. If you come across specimens they would be most welcome as I only know the Costa Rican form through the specimens at Kew.

I have received a specimen of Pleurothallis costaricensis from Kew. Gradually we are beginning to assemble the material that will clear up some of the doubtful species of your collection.

There are two very distinct sections of Miltonia. One of these is so suggestive of Odontoglossum that one finds difficulty in attempting to keep them apart. Miltonia Schrod-^eeriana does suggest Odontoglossum cariniferum and it would seem that where one belongs, the other belongs also.

I have been unable to verify the report that Cattleya Dowiana is a native of Costa Rica. Undoubtedly, however, the early records are reliable.

Cattleya granulosa is wholly doubtful as a Guatemalan species. As you know, this species was supposed to be a discovery of Hartweg made in Guatemala in 1840. I have seen nothing comparable to it among Central American orchids.

Cattleya guatemalensis was sent to Veitch by Ure Skinner, who found it growing in company with Cattleya Skinneri and C. aurantiaca. I was never able to procure this for my collection. I do not have dried specimens. It may be that the thing was a natural hybrid as originally suggested.

Schlechter's list of Central American orchids is an undigested compilation which bristles with errors. You must not rely on it for distribution.

The Ames of Vanda Amesiana, the late F.L. Ames of North Easton, Mass., was my cousin. At the time of his death he had one of the best collections of orchids to be found in the United States. My first dozen plants came from that collection. I remember taking them home in a wheelbarrow, on a hot summer day. From that beginning I built up a large collection of botanical orchids which I subsequently presented to the New York Botanical Garden.

Just at present I am planning to visit Honduras in March. The United Fruit Co. has begun extensive clearings of the forest. There should be a wonderful opportunity to secure orchids from the felled trees. We know very little about the orchid flora of Honduras.

If you find specimens of Odontoglossum cariniferum, please reserve some for me. My representation of the species is wholly through garden specimens.

With the best wishes in the world for the coming year,

Yours very sincerely,

Robert Ames.

355 Commonwealth Avenue, Boston, Mass. I
January 13th, 1923.

My dear Mr. Lankester:

Many thanks for the orchidological feast you placed at my disposal. I left it with the feeling that you had served me with very slender portions. Out of nine specimens, two were of exceptional interest and three proved to be novelties of vast importance. Do you wonder that I felt a keen desire for more when I had completed my work. The new species are already in manuscript and will be published week after next at the latest. Here is a list of the material.

- 361 *Telipogon Lankesteri* sp. nov.
- 362 *Kefersteinia lactea* Reichb. f. most probably, but surely *K. costaricensis* Schltr.
- 363 *Epidendrum physodes* Reichb. f.
- 364 *Epidendrum myodes* Reichb. f.
- 365 *Stelis Lankesteri* sp. nov.
- 366 *Habenaria repens* Nutt.
- 367 *Trigonidium* sp. probably new, but material insufficient.
- 368 *Ornithocephalus Lankesteri* sp. nov.
- 369 *Masdevallia erythrochaete* Reichb. f.

362 matches Schlechter's material of *Kefersteinia costaricensis* to a dot. But from drawings in my herbarium I believe it to be the true *K. lactea* described long ago by Reichenbach.

361 is a notable addition to the genus most closely allied to *T. minutiflorus* Kraenzl. but different from that species in many details.

365 is the largest flowered species of *Stelis* from Central America. Flowers of this in spirit would be most welcome. Can you find

more of it. Even a few flowers dried under very light pressure would be useful. The large flowers offer a wonderful opportunity to study structure. Please get some in weak formaline if you can and send in bottle in mailing tube.

363 brings to light a very rare species. Reichenbach had very poor material of this. A single ^g leaf, a few immature flowers and a sketch. I have only seen one other specimen.

From the percentage of new material in this sending I am very sure that you will bring to light some critical things as time goes on.

On February first I am off to Honduras to collect in a region from which we have as yet received hardly anything.

Mr. Powell is now collecting for me. He will send nothing more to Schlechter.

Your reference to *Masdevallia Livingstonii* Reichb. f. was most welcome. I am very sure that Powell has discovered this again. I only know the species from the water color sketch in Reichenbach's herbarium. But I am almost sure that the water color sketch is the only material extant by which we can ascertain what Reichenbach described.

You may be very sure that I am waiting with disgusting impatience for another package from your hand.

Yours sincerely,



Catalpa. Apr 32.
Jan 15. 1923.

My dear Dr. Ames,

On Tuesday last I sallied to the hill district 7 or 8 miles south of Catalpa, La Estrella valley in particular, on Wednesday with my companion host, went up into the forest above the house & were soon enveloped in mist which developed into wind driven rain, however the beauties of the woodland made our physical discomfort, Cycloa + Enterpe as undergrowth are a very striking contrast to the magnificent trees clothed with epiphytes far above our head, Anthurium Scherzerianum is abundant there tho' this is not the season of influence for that plant, yet here & there it flamed out on the trees. Many species of Philandriae occur there, *Salpiglossis Wiegandii* Kunz a dominant of the group & a floriferous species it can be. Here I found a *Repersteinia* in bloom, rather scarce however, a few *Pleurochallides*, *Lepanthes* & *Stelis*, these latter not in flower, my greatest joy was the finding of a mass of *Ochroglomum chrysoneum*, which evidently straggles over the upper branches of epiphytic laden trees, I have never before had the pleasure of finding it & much regretted not finding it in flower, the plant found was on a felled "Dra" (*Ocotea* sp.?) & I brought down about a dozen pieces of the long rhizomes with 2 or 3 tubers on each, regretfully we hurried homeward thoroughly wet through with very little material for you. Next day, damp & cold we perforce spent indoors & Friday

To conclude the story, we returned home on Saturday even wet though we crossed the ridge, weather remained unclouded, but I am going back, for you - for myself.

it cleared up at about 8 o'clock sufficiently to let us have another try at the woods, our set out almost due west up the ridges leading to the adjacent valley of San Cristobal, a favorite orchid locality much cited in the Biologia C.A. & much explored by Wreckle & Griseb, however I hoped to find *Masdevallia triaristella* & *Epid. Endresii* there & gratified that wish & tho' time was short on reaching the wind-swept & foggy ridges I had an orchidaceous feast of delight, indeed I longed to have you there, tho' for all I know you may have visited other of the American Cordilleras which are greatly superior in richness of flora, tho' Wreckle says that CR excels all other rain-forest regions in richness of Bromeliaceae & there an astonishingly abundant & varied in form in the localities visited. One little group only of *M. triaristella* was found & the single flower was unfortunately imperfect.

The fruiting of that gem *Ep. Endresii* in perfect flower was inexpressibly delightful, previously I had seen, years ago, its very shabby first cousin *Ep. pusillum*, so alike in appearance & flower, less showy, one *Masdevallia* in flower, is a very quaint & interesting species, the upper sepals forming when they arch over in front, a remarkable imitation of the african buffalo's horns.



the sepals are pendant. among through the mass perhaps you can recognize it from this crudity. nerve or line + reddish purple
The most striking species was a very fine *Masdevallia* with from 100 to 300 small white flowers, semi capitulate & faintly tinged pink on petals, a fascinating plant, very strong growing & relatively abundant. Specimens will follow this week.

Dichocentris Pflanz
another find. a bonny plant.

Regards,
your very faithfully
Chas. Keats.

Myra & P.D. I found an invitation to accompany an expedition organized
by Emma Spinks of the Ben Jon's museum, 47 & 49th Sts, New York
South Western College. I have accepted that my little trip on one of hand
should be checked with this. I think must have been a delightful experience
long a distant quiet unknown town just much better, tho' it appeared
pleasant South Western of Chicago. I know it was sunny up & had I had
the deep warm) could have managed easily to go.
A delightful input of eastern which arrived in from (Mr P. including)
an afternoon, which reminds me that I once found a most lovely
Anastasia in Czechia. This died & has never been seen by me since.
The friend, Alvaro Sanchez who took me to his farm in the Sabalera valley
has a brother in Costa. I think - John at Harvard, Miami Beach.

Calypso.

Jan 30. 1923.

My dear Dr Ames.

I received yesterday evening Frags II. III. IV. V
of your Orchidaceae with 6 pamphlets; it is most kind of
you to have sent these & I return my warmest thanks & am
very delighted to have them.

You suggested they might be deposited here in the
museum & eventually I may do so, I fear however that in a
very dead institution, all the Orchidaceae are missing from the
Herbarium; sent to Schlecter many years ago they have never
returned & he disclaims knowledge of their whereabouts.

I am most interested to hear of your projected trip
to Honduras & hope you will be thoroughly successful, the
great orchids are difficult indeed to collect except under
the conditions awaiting you.

Daniel Harris includes *Oncidium lanceanum* as
occurring in British Honduras. I asked him about it; but
time had obliterated my exact memory, it seemed a curious
distribution to me. it will be interesting if you find it in
Honduras.

If you have opportunity, without undue trouble, to
send me a few plants, *Brassia*, *Oncidium* & so forth,
from Tela to Limón. C/o W. F. C. I should much appreciate
them, but I know how troublesome such a request may be
& shall not be at all disappointed should it be impossible.

What very delightful illustrations you have published,
charmingly done, & which the archaic script is an added
frail.

Coltophyllum. I saw in Lynda, apparently in

two species only, one the usual running rhizome with obtusate
leaves, is found in masses on the trunks of very old *Conium*
trees, the other of which I found only one specimen, was on
the Elgin at about 6500 ft. I neither did I see a flower &
the latter plant died on the way home, the Red Sea stretch
is a barrier to many living plants.

Of a very beautiful *Asparagus*, I sent home 3 plants,
one, dried, with a good inflorescence of some 10 or so flowers
& another living to Kew, this succumbed; but one I sent
to Sander has just bloomed & is described (by Fred Sander?)
A. misabile. I wonder if this is valid, the flat mat-like
flower has a vivid scarlet column ^{from} a wonderfully attractive
object in the forest.

I rode up to the mid-zone of *Drayn* last week & ate
my pic-nic lunch in the gorge of the river *Ressantado*,
the oaks were fairly well-covered with *Odont. Obotidia*:
when compact little groups nestled in the tangle they
were indescribably beautiful, they are slightly reminiscent
of our *menziesii*, which I was privileged to see again
last spring in the English Copses.

Again warmest thanks.

Yours very faithfully

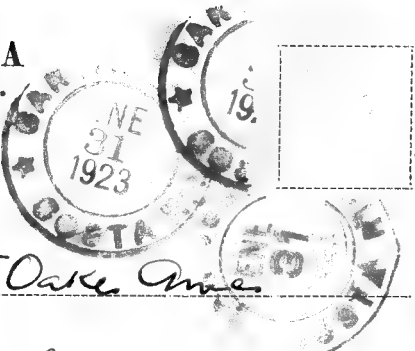
C. Lambert.

I will get your plants ready for this weekend.



Orchids, San José.

COSTA RICA
América Central.



St Oake Ave.

355 Commonwealth Ave

Boston, Mass.

E. E. U. U.

Fotografía M Gómez Miralles.

32. Cantón

31. 1. 23.

O. Q. A. II. This was

identifying paper received by
me last night. That an
extraordinary plant of Chenopodium,
if this specific name was used in its
Spanish name, derived from a local
source. With knowledge of the flower
only as a guide: has any person
subsequent acquisitions with it
Name: Barbados Yra Caff.

Barbado.

March 3rd 1923.

My dear Dr Ames,

It is most disheartening to have missed the very great pleasure to have met you, probably through some accidental lag in the air.

I received your aerogram at 2.30 on March 1st & without planning at date of sending, wired you that I would meet you at San Juan, well of course at that place I learnt you had probably gone to San Juan the day previously & you must have been on the special that I passed on my upward return, I was hoping that you would stay here for at least a fortnight; I telegraphed the Fruit Co in Leon on my return yesterday & today at 9.30 they have advised that you sailed on the Heredia.

I do so wish you could have come straight to us; but of course you would have missed San Juan, on my way down to San Juan it never occurred to me that yours was only a flying visit & I was anticipating having you here & planning a series of excursions to the most interesting orchid regions. Besides running through the material I have here for you, which shall however soon be put on.

Of course, the public service here are run in a scandalous manner & the fact of an aerogram taking 26 hrs would not cause any surprise or even regret, to a Costa Rican as we come to regard these things as all a part of the country; but this present instance leaves an very sore, complaint from a foreigner is absolutely useless

x the invariable answer is if you don't like the way things
are run, get out. no attempt is ever made to improve
service or ^{correct} administrative slackness.

I hope you had a very successful voyage in
Honduras, I suppose the Coastal wren was not very
prolific in species, judging from that here,

With regrets for a lost opportunity &
warm regards

Faithfully yours,

Collinvaux.

Panama,

March 16, 1923.

My dear Dr. Ames,

I am sending you by next mail, my numbers 370 to 447
& sincerely trust you will derive pleasure from some amongst them.

Some few are common species, included as you requested
a catholic selection of our local forms, & of these a few are
merely a rhachis with flowers, as the rest of the plant will be well
known to you; some, one fears, are only fit for the W. P. O., at
least you have the option of doing the throwing away.

How sad a thing an orchid can become after drying!
Yesterday I called on Olin Jimeury to make arrangements
for our trip to San Carlos next Saturday, we are each
taking our presses, but my greatest enthusiasm will probably
expend itself on butterflies & he can devote his whole soul
to orchids, he, like myself, was most disappointed to have
missed the honour of meeting you, it was the most outrageous
ill-luck.

Powell has sent me Schlecter's paper on his Panama
collection, I fear it adds a good deal of synonyms to those
already existing, but hope I am wrong, in any case it is

a very heartening thing for C. W. P.

I hope to learn you had a very enjoyable & satisfactory trip & you are doubtless kept busy going through your finds.

Five fine *Panda* snails, are a picturesque background to *L. c. Blitchleyana*, *Dend. formosum*, *D. formosum*, *Calanthe H. H. Murray*, *Catt. Irina*, *C. Schroderae*, *C. Sestelliana*, *C. hirsuta*, our local *Lycastis*, *Trinipatha* & *tricolor*, & a first time bloom of *Purmodia atio. purpureum* (C. W. P.) which now adorn the corridor at Coenava.

I have just had a walk near the coast, but found only *Spargania longissima*, *Aspasia* of hot principles, tho' I believe some fine plants of *Stelis* must be the species you dedicated to me, time may show.

Yours faithfully
C. H. Lankester.

Arthur Hill writes me that the live material sent from La Estrella reached "Kew in perfect condition" as though gathered two or three days before.



Orchids, San José.



COSTA RICA

América Central.

Spend a few days in COSTA RICA. There is no longer need for winter vacations.

Pase algunos días en COSTA RICA. No hay necesidad de ir al extranjero para las vacaciones de invierno.

Fotografía M. Gómez Miralles.

D. Oakes Ames.

355 Commonwealth Avenue

Boston, Mass.

E. E. U. U.

20. iii. 23.

Cartago, C.R.

Oct. 2nd. No 3 received today

a most interesting paper, my first
thanks. Some good specimens
have been printed & you will
learn how to "show" in the following
next.

Respectfully.

S.F.

CORREOS DE COSTA RICA

Pagado
OFICINA DE *Envios*

(¹) PAQUETE POSTAL POR DESPACHAR NO. *31*

Remitente *C. H. Sanabria*

Destinatario *Dr. Carlos A. Rojas*

Destino *Cartago*

Contenido *Libros*

Peso en kilos *4.000*

Valor ₡ *1-*

Franqueo ₡ *3-1/2*

Derechos de exportación (²)

₡ *0-*

Total

₡ *3-1/2*



[Signature]
El Administrador,

NOTA.—Cada paquete postal debe venir acompañado de su correspondiente declaración. Los derechos de exportación deben remitirse en efectivo al Departamento de Certificados Interior.

(1) La serie de los paquetes debe empezarse trimestralmente con el No. 1

(2) Véase tarifa publicada pág. No. 94 Boletín Postal.

Castro. C. P.
April 13th 1923.

My dear Dr Ames,

On Saturday last I returned from San Carlos, a splendid journal & floral region, a tumble from a tree, though at no great height from the ground, terminated the trip & my present activity, & the 4 days return were slow & sadly accomplished, no serious damage was done & I hope soon to be able to safari again.

Don Jimenez was my guide, philosopher & friend of the trip & he concerned himself mainly with other families of plants, we made an inauspicious start in regard to equipment, as at Rajuela he told me to discard my drying papers, as he had sent on a big supply to Zarco our jumping off place, on arrival there they were missing, we had to do our best with wrapping paper, however the trip was so badly planned, that to date 15 days later our precious collections, except that made at Zarco, have not arrived, it is absurd to go to a district like San Carlos without a pack mule.

Zarco is on the western spur of the Cordillera continuing from the Volcan Poas & though now much opened up to cultivation & pastures seemed to a rich field for Planchonellaceae & mountain orchids. Duet & drought & an extraordinary high wind prevailed & very few plants were in bloom, an Epid just like *Eudora* is common & I surmise it is *E. praevalens*, *Orchid trancinigi* & *Odont*

Oerstedii are there with many sp of Stelis + Pleurothallis, none in flower, a most attractive species of Lepanthes is here I only saw one plant ^{of this} & of these ^{others} seen all differed from our local forms.

A Hexadesmia with flowers on short peduncles, themselves equal to those of Craigiana, but dull green in colour, was very plentiful.

This should prove a region well worth working at some future time especially onwards from Palmyra.

The ride from Tacarcos to Aguas Zarcas, through Villa Guacada is most interesting, as several strips of forest ~~are left~~ ^{remain}, though much felling & burning is in progress; however the haste of the journey deprives opportunity of collecting & dozens of species were passed regretfully. Our destination was a cattle-farm about 1/2 an hour beyond Aguas Zarcas & there our two days stay, Holy, Thursday & Friday, was most enjoyable & productive. The land is flat or gently sloping & is the base of the foothills to the N. Western spur of the Poas group. ^{Now} ^{nearly} all developed to pastures, the trees dotted about in these & alongside the creeks & Los Negritos river are a fertile source of orchids, such trees as are of a wide branched habit or are naturally of scanty foliage carry a heavy crop of epiphytic growth, mainly Bromeliaceae, yet it is rarely that one or more, orchids are not to be found on such. Epid rochundum is abundant & a very fine form of Ep. difforme,

III

indeed it is here quite a decorative species. *Sotralia* are common, in both Feneatral & serial stations, especially *S. Crisiana* (Is this a recognized species? The Cra family possess an old photo of this, so named, which belonged to the elder Cra who flourished out here some 45 years ago.) The only large flowered *Sotralia* I saw in Koom was on a roadside cut near the end of our journey & thinking from that we should find others I did not bother to collect it, it is close to *S. leucoxantha*, but is faintly rose in the lip, judged from a hasty glance in passing. Other orchids found. *Stanhopea*, 2 sp. *Sonora unicolor*. *Cataclysium* not in flower, very abundant. *Peromochloa brendlandii*, found in bloom by Otis Joicey, a glaucous orchid, which is new to me, *Devickia* (*Devickia* *maria*), (probably) also a new find. *Cycnoches*, 5 or 6 plants, not in bloom. 1 *Eriopsis*, a huge plant in the pink of condition but no flowers. 1 *Lycastris*? or allied genus, new to me, not *Laccana* or *Acineta*, no bloom. & certainly not recorded from CR. This though in poor condition I hope to cultivate if it ever comes to hand with the missing material. A great surprise so far east was *Oncidium ampliatum*, subsequently found sparsely distributed through San Carlos, one *Oncid Kramerianum*, 3 *Odontobasis Kramerii*, the white form, (which, by the by, I believe to be a species & not an albino form of the latter)

A few small *Pleurothallis* were collected & I regretted dropping a fine plant of a strong growing *Stelis* in the forest. As in so many parts of this country *Oncidium sphaerolatum* was very common & a strong growing *Oncidium* which I think must be *O. albissimum* shares its station & abundance.

Jiminy was very pleased here with 3 *Anomala* (*Rollinia*?) probably new & I was equally delighted with a wonderful *Somarea*, the first I have seen down in the hot country a lovely big-bellied pink species, we each found so much to admire & enjoy; I used to know the adjacent valley of *Sanapigui*, but 30 years ago, it all came fresh to me.

Our trip to *Manelle* was enjoyable; but yielded little & at the termination of our day on the river to *Arenal* he had added little beyond delightful impressions. Next morning the collecting of a small plant of *Cattleya* (*Deckeri*) caused my downfall & was a full stop to activity in the field.

I hope something may be saved for you, the result of our united efforts, at present I am hoping to hear of the arrival of the *Estrella* collection. I will leave this open till you come. Oh, one fern I found in *Agua Dulce* forest, *Physopteris* or *Soodypora*. green-glaucous, beautifully tessellated, two forms in close proximity, the other deep purple, *Cnemidophorus*. same sp.?

I had not the pleasure to hear from you - trust fresh mail
will bring me word from Boston, the receipt of the specimens
sent you on March 22^d herewith.

With regards,

Yours faithfully

Chambers.

Catay. C. R.

April 30. 1923.

My dear Ames,

Your letter of April 6 & the cable reached me on the same date, & with the 27th, & today, but ten minutes ago, I have yours of April 9th

By inference therefore, you have received the plants collected in Estrella, but I have not your advice of receipt & await this eagerly, amongst them were two tiny pieces of *Epid. Andresii*.


This will not be in bloom for some months; then if opportunity occurs I will try to get you some, I sent some eight plants to Protheroe & Morris & they netted me £6, I had never found it till this year; but it is not rare on the hills south west of Catay & occurs also in the region of La Palma (San Mercedes) I have not seen it there myself. Richard Ffau in his catalogue of C.R. orchids refers to two varieties & probably the La Palma form differs from that of Catay in the intensity of the blue-violet stain - the other species, almost indistinguishable in the plant, is I believe *Ep. pumilum*, the flower is less & a dull brownish. of this I probably collected plants at Lancers last month & await its bloom with interest.

Polycyem & *Paphinia* are both rare in my experience, of course the trouble is to find these things in bloom at the time of ones said on the woods, the only way would be to cultivate every plant one finds

except the easily recognizable kinds, & this of course I have
begun to do twice, but insecurity of tenure has always
destroyed ~~the~~ effective results.

I am building a rough pergola at the end of our
yard, which is a wretched place & will only accommodate
3 or 400 plants; at the coffee farm I have in partnership
there is magnificent accommodation & splendid natural
facilities for an orchid garden, however my partner lives
there, so that I can do nothing with it, as he is not at
all interested in them, though he enjoys the flowers of the
Cattleyas & so forth.

I cannot prepare for any further trips till Dr
Jimmey returns my press & the papers, it is most regrettable
to me that practically all our work was lost on the San
Carlos trip, (I don't think I shall go out again in
double harness,) this would have achieved a fine lot
of material for you & is primarily undertaken, but it
developed into a "passer" & was incidentally very largely
a commercial tour for the Botica Oriental.

Beyond Ochia, I regret the loss of a magnificent
Somarea, this genus is practically confined to the
3000 - 5000 ft zone & it was surprising to find a beauty
so low as some 200 ft. by far the finest in the country.
at Larcero (6000?) many interesting things occur, & from there
I remember I have the Calanthe cited as being in Col.
the bulbs are  about 20 - the dried peduncle from the
apex of the bulb - these I am growing
here - epiphytic on mossy trees.

II

With reference to the Epidendrum of my Kew etc which intrigued you, will you send me a description, so that I may help you if possible with further material, send # also.

I am delighted to know you & Powell projected, tho' this adds to my regret at missing you here, I should much like to see his live collection, the Chiriqui region seems to have our flora very largely & probably the old man would find little new if he came up into our Territory.

I dare hope you will publish an acct of your Honduras trip with route map & some ecological notes, I suppose Brit Honduras has richer possibilities from the projection of some of the Guatemalan ranges into its territory. I am glad to learn your trip was satisfactory.

Three odd specimens from our San Carlos trip are enclosed, #450 is an interesting species that seems new to my experience, Olin has the complete plant among the remaining shrub, I saved these additional flower portions & they will make with the other, a valid specimen. it is not uncommon in the same parts of the region.

The Anacardium? is new to me & must be a very rare plant, one half of the plant has immaculate dull purplish green leaves & is evidently polymorphous, under two species should have displaced the 6 inches of earth on which they are united. Fortunately this reached me alive & I may hope to send you eventually flowers.

With reference to your kind offer of further supplies another quantity of drying paper would be most welcome, as I fear most of those you sent me will not return

from San José, Don tells me he gave ~~the~~ my supply, (strict
as I told you we left in Alajuelo, as he imagined he had
a sufficient quantity ahead of us - which we never connected
with) to one Valerio, with the consoling thought, that he was
far more likely to be able to help you than I am; well
may it be so, in the meantime I am without material.

I will convey to him your offer of your publications &
may say at the same time that #1 has not yet reached me.

The Zelenas are old friends of mine. Don José has
been for nearly 60 years a keen ornithologist. I was
delighted to find that you had called on her & if she
leaves the Oblectos camp may get you a lot of material,
tho' it is rather late in the day.

Juricalba is very extensive Territory. I may make
some collections in that vicinity as I have rented a
piece of land in Peralta to plant bananas & that day
in the Southern Parks of the volcano of that name,
I had hoped to go to Sta Maria de Dota, but it
will be too late when the dry(?) material comes to hand,
I will have to wait till next April.

Did you see the few orchids I collected in Lyander,
When you were at Rew. it was a delight to me to see
an entirely new group of plants tho' they do not
approach ours in variety or abundance.

448 *Loxanthus Lankensis* sp. n.
449 *Erithacus* sp. probably *E. boreogallus* (R.S.) ♂
450 *Campylorhynchus macrourus*

Dalmeida

Yours very faithfully

C. Landolt

Cartago.

Apr 31.

5. V. 23.

My dear Amc.

Best thanks for yours of 18th ult., it is pleasant to know you received the material in good condition.

I doubled up the specimens to make the papers last out, realising you might demand but in no case were two species of the same genus papered together if recollection is correct.

On receipt of names for my number, those that you require further material of shall be noted, the Estrella locality is quite easily accessible to me, only 3 or 4 km. ride away.

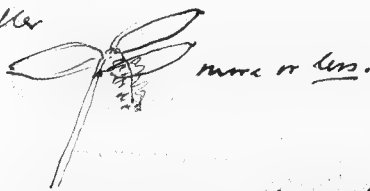
Two good reasons exist for imperfect specimens, one is, that frequently they are of woodland species that under cultivation do not for many years reproduce their natural luxuriance & to avoid damage to the plant a small piece only is preserved, the other, that the specimen found is in poor flower or probably a unique find in the locality still I won't bore you with excuses, nor count Helli's name stones.

Many thanks for your recognition of Alfredo Sanchez's efforts in your behalf, he is most enthusiastic & a nice chap.

I surmise the possible new genus to which you refer comes near *Comparettia*, if that is so, Sanchez brought me that plant, quite unknown to me, a curious species, but what a fearsome name, there is a West African *Acanthaceae* (I think) *Lantheurella*, probably dedicated to Ray L.

All that was saved of the Pan Canal material, excepting a few that came in my butterfly bag, are in Oton Jimenez's hands. I will urge haste.

I go to Peralta on Tuesday & stay till Friday & if he returns your press, ^{we} shall hope to find you something or will make so many trips as I can up to the 3500 ft zone so sure to be propitella territory (I Eastern species of *Inniatba*.) I don't know *Epid Inniatba*; but imagine it, from your reference to the volume, to be a species I knew in *Parapigui* with a tall thin pseudostach & two or three large terminal leaves with a pendant terminal raceme of flowers rather like *E. fragrans* but much smaller



I have just news from Panama of the "wood land" return with some 1500 plants. Ethen. Lots of work for both of

you -

I have written Alberto Brunes tonight to know if he wishes to dispose of his collection, which is I believe a considerable one & from a good district (Pan Ramon) should be agree the rest is up to you & I hate it you would wish this & hope out a move in in order.

The hour is late, good night & regards.

Faithfully yours

Ch. G. S. G.

Pray send a number of folders with the dry(ing) paper, tho' I find the paper they use here in the shops for wrapping in a suitable size would do. I have not kept duplicates so am not short-sighted you that way.

Cartago.

Costa Rica.

May 26. 1923.

Dr Oakes Ames.

Boston.

My dear Ames.

A. O. H received by last night's mail, warmest thanks; you believe "is dat qui cito dat" & it makes the impatient hook-wracker to see so soon results from his troubles, doubly so as it is a new & very refreshing experience in my case.

I may be wrong; but look in your Willis & see if the genus *Lambcosterella* is not a tr. African Acanthaceae. I have not a single botanical reference work at hand, so forgive this jab.

In any case you have applied it to a most interesting little plant, plenty remained on the tree for a further haul, I took only the best specimens. *Cranichis Lambcosteri*. I have never come across again & am little likely to revisit its haunt.

Masdevallia panamensis - Have you a copy of Frederick's Boyle's "About Orchids - a chat", pp 139-140 give the history of *M. Livingstoniana* (found in a swamp at Culebra by Royle; on the day of the auction news of Livingston's death arrived, & Royle dedicated it to his memory.) probably Robt never saw the plant or specimens.

"*Cleurothallis cruentilabia* without exact locality" is from Central. (A cattle farm cleared in the dense forest, south of Havana) elevation 5000 ft?

Pleurothallis sacceata. This is an immense species, surpassing in size P. grandis Repe. I sent Rolff a very large leaf, to remember some 13" long & the secondary stem would be over 30".

Epid. trichophyllum, like Coryanthes & other species is utilized by ants (Pseudomyrmex) as a suitable nest station & apparently several species of wasp recognize a sort of collective militarism & work & join the garden colony, then there are several species of Dynamiidae, that build nests within a foot or so of either & probably prey on the wasps, yet this association is constantly found, commonly on the Pacific on the Bull Horn "acacia" when I do not recollect the orchids attending & more rarely on this side of the country, there are 2 such colonies in the Juis valley ^{both in Eimeriophyllum.} & I saw at Peralta an Epidendrum in bloom

that I much desired for you; but could not approach. There is one of these myrmecophilous Epidendrum at Las Conchas, (my coffee place) with long swollen terete stems & small whitish flowers this I hope to find in flower but it is a difficult plant to collect, very usually high up in the Jugas. (shade trees).

The elevation for the Campylocentrum L. O. of p. 58, given as 100 ft is probably much too high & would be nearer 40 ft, sea-level is a near enough statement, this is banana country & the plant came from "Ontario Farm" a locality I have used many times since.

I saw Otin Jimenez last week, he would appreciate very highly the orchid works you offer & I hope the San Carlos material will go to you soon, he has translated my field notes into Spanish for you.

Regards,

Faithfully yours

C. J. S. Kent.

The box with bottles in Carlton has just arrived, many thanks. I am sending you an improved specimen: the Pleurothallis I found at Peralta & am trying to grow it here, have sent 5 flowers from Juis many years ago.

355 Commonwealth Avenue, Boston, Mass.

May 28th, 1923.

My dear Mr. Lankester:

It was good to receive another letter from ^{you} and to learn from it that you intend to continue the search for orchids. I wish you could realize what it means to me to be assured of your desire to help.

Regarding the new genus to which you refer I may say that it seems quite secure. There is an African genus known as Lankesteria. There is no other Lankesterella of which I have any record.

Your suggestion that the Brenes collection be purchased meets with my full approval. I will await your report on this with much impatience.

A few more species of your collection are now in print. Just as soon as copies reach me one will be forwarded to you promptly. You will note that I have proposed the name Pleurothallis scandens for the climbing Pleurothallis. More material of this with better flowers would be a welcome addition to the type. Is it not possible that more species of this alliance are in your vicinity. The habit is so different from anything else I have seen from Central America that I should expect it to be accompanied allied species. At least bear the possibility of this in mind, and keep a sharp eye with you.

There is not much to report about my Honduran expedition. In an examination of my collection I have only turned up one new species. I found a strong Guatemalan influence in the Honduran flora, consequently I was able to name most of the orchids in the field. I found the epiphytic *Spiranthes*, and that was worth the trip. It

grew on a vine about one hundred feet above ground. The vine was on a tree that took four hours for four axemen to bring down. The leaves have a varnished surface__ mirrors for your butterflies to gaze in. I suppose the leaf-structure has been modified to meet epiphytic conditions. In every way the species looks like a terrestrial.

My field work in Honduras was confined to the region around Tela. I covered many miles of territory as I had plenty of mules and a railroad automobile always at my disposal. I made one trip to Truxillo, but the country in the region I had time to explore was most disappointing. The resident collector is the man who strikes twelve most frequently. The time element with him is a secondary consideration and the seasons come to him with the procession of the flowers.

Two days ago I sent off to you a long list of determinations. I hope you will be able to send me more ample material of some of the rare species.

I would like to have a full sheet of Masdevallia cyathrogastra Schltr. If you can recognize any of the Lepanthes spp. from my descriptions I hope you will collect more specimens as the material at hand is too scanty.

I wish we could get out another number of Sched. Orch. based on your work. We might beat Schlechter and give him food for thought.

Additional drying paper and some mailing tubes have been sent to you. Before you get these I hope the man who has your others will produce some results.

With the best of good wishes,
Yours faithfully,

Barrojo.

15. VI. 23.

My dear Dr. Ames,

The mailing bottles & later three parcels of drying papers are to hand, my thanks for both, with so liberal a supply any exigencies of collection may be met & I hope others may benefit also.

Today the list of determinations has reached me I am so very grateful for this & your energetic kindness to me. I note (with deep ambition) some of your remarks & all sins of omission one may hope, given time & opportunity, to rectify.

Alfredo Sanchez has told me today that a local Cactus worthy goes to Boston tomorrow & by his hand I send you these few plants, not yet dry, 452 is an interesting form & I hope to get you decent material at the first chance. Apologies for 453, is it any use sending you these unflowered things? Now about 456, *Odonts* (Krameria) album, this I have found, Cachi, Peralta, La Gloria, Atlantic localities, & also though far away & approximately more to Pacific conditions, in San Carlos, in neither of these places have I ever seen true *O. Krameria*, Amparo Zedillo gave me a plant of this, probably 10 years ago it still flourishes, I understood it came from San Ramon, I don't say much if the plant in question is simply an albic form, if so

Why its comparative abundance & the scarcity of the type.

#459 seems to differ from *M. Rolfeana*, though I should be hard
put to it to phrase my belief, you can compare them dried anywhere.

I have both in cultivation,

I have yet to see D. O. 5, D. O. 4 was intensely interesting,
may I have two more copies, I want to send one (vanity) to
my sister & the other is for the library of the Castapo School, at
the request of the rector, Sr Lachner Sandoval.

I regret that Kew gave my specimens new numbers, all (K 348.) thus
I cannot trace.

You retain *Epid latérale* Rolfe, Schlecter reduces it to synonymous
with *Epid Rousseana* Schl.

65 is a *Burlingtonia*.

176 is your *Pl. saccata*.

344 is a *Polycygnis*.

450, I think good plant material was saved of this, O'Hara has
a very busy job at the botica & probably may not have had time to
get the Pan Canal stuff to you, the milk was rotten on arrival
anyhow, the living plants came fairly well, & the *Eniopsis* is
putting out a spike & as the few other flowers you shall have than
my *Hummock* *Wendlandi* are doing as well as can be expected in
Cold Castapo & I am delighted to hear this lovely thing.

#7 which you quote as *Lepanthes*, I have registered as much
like *Plena* *Wreckleyi* but with fringe of white hairs on sepals.

I believe 383 & 386 are different species, they occur in the same

locality & ~~then~~ this very closely alike 383 has white flowers & the other yellow,
I will look them up again.

I was delighted to find my *Poga Agul* plant in Calispai, this always
puzzled me, it is very fragrant & must be a rare plant, I have it still
alive & will try & grow it strong again. I found it checked down at the
farm only yesterday, am bringing my plants over gradually to Cartago;
but so many are lost, here I have no living trees for the small things
just the end of a small back-yard.

428 is my # for the *Dichocentrum Pfanii* sent you.

Which is the better for preserving flowers in bottles, alcohol or dilute
formalin, I have some of the latter.

Delipogon Siolleyi, among your desiderata, is obtainable from Cartago,
but some ride from here I found those in the Kew set, this is one of
the most delightful ferns, & is occasionally quite a robust plant, I
will ride up next month to the locality, it grows in ^{the same station as} ~~association with~~
Marsdenia Rolfeana, *Oncidium tranguerizii*, *Odont. Berstedii*, &
Pleurothallis microstachya. I once saw a cart load of pine wood
in San José, just covered with tiny plants of it, many in flower.

A begging question, is there any fund available to you from which
you could get a small grant to help me with travelling expenses,
postage etc? If so I should be glad to avail myself of it
at least this year (which is particularly unbrilliant,) & may be
able to get more afield on your behalf.

Regards & thanks.

Yours ever

Ch. L. C. C.

Dr Oak Ave.

355 Commonwealth Ave

Boston, Mass.

Scientific specimens only.

Carleton

June 25. 1923.


My dear Dr Ames,

My warmest thanks for yours of May 28th, I have acknowledged already the famous list of determination for which I am very deeply grateful.

On Friday last I had the pleasure to take two botanists for a short woodland ramble (Dr Stevens of Illinois & Mr Hink, late of Cornell) & I took opportunity to go to a haunted part of your desiderata, Mesaspis cyathogaster & M. picturata, of the first I found 3 small plants in flower & of the latter 4 or 5 nice plants, though several of the blooms were much eaten, of this a good one is safely & thoroughly alcoholized for you.

The episode of the epiphytic Spiranthes is good reading & I congratulate you on the thrill & so successfully obtaining such a prize; should this occur down here?

Of species in cultivation for you, the supposed Epidendrum penicillatum is full of buds, the Eriopsis spike is up about 10 inches & bears just over 30 buds some of which are stationary & evidently are "damping off" at least 20 are quite healthy & indicate a small-flowered species, the supposed "Calanthe" has flowered & is nothing of the sort; but rather a Microstylis or allied genus, the whole plant & flowers a uniform green, the filiform petals purplish also alcoholized for you.

 I am projecting a raid tomorrow for Delipogon Erindleyi, but tonight's rain & the prospect of more to follow will render it a difficult matter, as it is a long traverse of Drayton up to 7000 ft

I wish again Guatemalan should be worth working & I may get down there at the end of the rain, if Oliver's friend Valerio

in collecting on the Tilarán range, as I believe, you should find many
novelties among his ^{material} ~~plants~~, or at least many northern forms may stray
down to that region, which is close to the Nicaraguan frontier.

Enclosed picture is of a Stanhopea brought to me from Parapigüí
some ten years ago. I sent a good piece of it to Kew, but heard nothing
of it, it is evidently a natural hybrid, the epichile is typically ecomata
yet note the stubby horns, I believe a piece is still alive at Los Conceiros
(the farm) & it must be brought over here & raised, in any case it is a
charming thing, I tried when at home to get new slides for the camera
that took a previous picture, they are no longer ^{obtainable} made, the maker's name
is Bennett of New York, it has been in my possession for 26 years
& was then not new, so it may be the original camera; are the heirs
& assigns of said Bennett in business; I would like to get hold of
3 slides as my other 1/4 plate Kodak of a very pre-war vintage is
quite unsuitable for flower work.

There are two buds in a Cycnochea from Peralta, all my
pet cockroaches must be grinding their teeth.

Salutations.

Faithfully yours.

C. Standley.

June 27th, 1923.

My dear Mr. Lankester:

Among the orchids received over a month ago there was a specimen of a lichen sent for determination. This was submitted to Mr. C. M. Merrill who has just reported that the species is Cladonia salicantia Schism. Wain.

Your letter of May 26th, came in a few days ago. I was glad to get the specimens of Pleurothallis, although I am unable to help you with a determination as sterile species of this genus are always perplexing. If you find the plants in flower it will be a pleasure to submit an opinion.

Please watch the plants of Lankesterella. The specimens submitted, although in excellent condition were a little too mature. Younger flowers and a few of these in alcohol would be a delight to me. It would be well to figure this genus if I can get satisfactory material from you in the near future. Buds, too, would be a worth while for a study of the pollinia which soon break down in the process of development.

I am anxiously waiting for more material. Anything from you is a golden harvest.

I hope Sched. Orch. 5 has reached you and that it contains something of interest.

Yours faithfully,

July 11th, 1923.

My dear Mr. Lankester:

I am sadly in need of your help for an understanding of the group of Epidendrums of the E. cristobalense alliance. (cf. Sched. Orch. 4th 38). A specimen has just come in from Kew, your 120, for identification. It seems to have been influenced by cultivation and is not at all typical. The other members of the group are E. dolichostachya^{III} Schltr., E. urostachya^{III} Schltr. and E. laucheanum Rolfe. To befog the issue your K365, a much larger flowered form than any of these, which I referred to E. cristobalense, lies in the Kew Herbarium. You refer to 381 as common at medium elevations. I wish you would study the range of variation, blooming season etc. and send me a series of illustrative specimens. E. urostachyum flowers at El Tablazo, near San Jose in September. The type was collected by Emel Jimenez. It has very small flowers. E. dolichostachyum flowers at La Palma in September. It has larger flowers than E. apollachyum. Your plants flowered in January and February and have larger flowers than any of the others. E. laucheanum is supposed to come from So. America. The question arises as to there being before us a polymorphic species which is best placed in E. laucheanum.

Yours faithfully,

July 11, 1923.

My dear Mr. Lankester:



Please help me if you can to an understanding of the species I have called *Epidendrum cristobalense*. I have just been working up the group to make a determination of you 129

Heartapp.
July 16th 1923.

My dear Ames,

So many thanks for yours of June 27th
with the lichen identification.

Have I acknowledged letter Dec 5, it is
most interesting. I have found a companion sp. to
Pleuroscandens at Peraltos, unfortunately quite a
young plant & unflowered, the leaves are of much
thicker consistency with a serrulate tendency.

I took Dr. Stevens, the mycologist of Illinois Univ
& State (Irvine) lab of Cornell, down to Peraltos
Fred to find out last & had opportunity to add to
my specimens for you or Kew (which is it!) & among
them are two of exceptional interest, one is much like
the Lankasterella, in growth & general appearance, but
apparently of quite different floration. The other, a real gem,
is Cryptophoranthus or near, just like one of the circular
leaved Peperomia, ^{thick} leaves about 20  a flower
not jointed at top ^{at} in genus cited , petals & lip with
frontally. Good alcohol specimens of both were made; but
the first mentioned has shaken into ten thousand fragments
so you must rely on the herbarium spec.

addressed to trunk
of tree & a foot
square but not
occupying all of it.

The Eriopsis from San Carlos is in flower & seems to mean with
E. undulatum. The flowers from this will finish your provision
of little cartoned bottles, could you kindly send some more.

I am posting you the filled ones on Saturday's mail.

I will try & get down to La Estrella again to visit my Erythrina
trunks on which the Lemnicterella ^(south of Caraga) was found & should think
from next November on, it might be in flower.

(Rio Estrella is about 25 miles south of Linares, on the coast, a very
different region)

Of the specimens to go on Saturday, some are of course ordinary,
it will be a small parcel, some 20 or 30 species, however I am
sure the little species roughly delineated overleaf will delight you.

There is a jolly little Cryptophoranthus at Yupa Caliente I have
not sent you as yet, a well known sp. with maculate leaves.

In alcohol goes a Masseria from Ochomoro (Cachis) which
I judge to be M. attenuata, the flowers are practically always
in pairs, very rarely one or three, a very bonny little thing &
much superior to the plant you referred tentatively to this sp.
from Cachis. I think they must be two species, but recollection
is my only guide.

At Perote I found a magnificent plant of an old Cachis friend.
Dichaea ciliolata (Rolfe) this seems rare, but has evidently a big
distribution.

Perote Oncidium. Ocheiophorum - O. abortivum & O. globuliferum all
occur there in the La Union pastures, none of them were in flower.
& at lower levels Ophacelatum is very abundant.

Regards

Your ever

C. S. Gentry.

North Easton, Mass.

10632

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July 17th, 1923.

My dear Mr. Lankester:

Once again I come to you with a pressing need. Vanilla This is a genus that we know too little about. The specimens in herbaria are too often sterile. The fleshy flowers when dried become agglutinated in such a manner, that manipulation under the microscope is difficult in the extreme. Then from the economic side, everything with a large leaf is referred to Vanilla planifolia Andr. The ideal specimen is one which is accompanied by flowers in alcohol. *V. Pfaviana* Reichb. f. *V. Pittieri* Schltr. *V. planifolia* Andr. These species have been reported from Costa Rica. Do you know whether any but the last are used for economic purposes in Costa Rica?

In drying flowers it is best to place a pad of cotton in such a way that it relieves the pressure, and to hasten drying by suspending the specimens over the kitchen stove. The flowers should, of course be dried apart from the foliage. This makes it possible to use small pieces of blotting paper that are easily handled when attempts to obtain the advantages of artificial heat are made.

Just at present I am pushing forward with my enumeration of Philippine orchids for the Bureau of Science at Manila. This means close attention to bibliography and herbarium material. It also means a constant weighing of those characters which at one time or another have been regarded sufficient to distinguish distinct species. At the end of

twenty years, when hardly a month has passed without several packages of specimens coming in from numerous collectors, a critical survey leads to the conclusion that a broader conception of specific limits must be observed if oncoming generations are to be able to understand us. At this late date I find that a definitive flora of the Philippines cannot be prepared because specific limits are not yet clear in too many cases. And nine-tenths of the types are in my herbarium! In fact my Philippine herbarium has no equal anywhere in the world.

At this point in my work on the Central American orchid flora, I am overwhelmed by the uncertainties caused by lack of material. Too often a decision has to be based on a fragment, on a drawing or on a description. Whereas in studies of Philippine problems I am able to consult not only the type, but sometimes forty sheets of the species from numerous localities, I find in my studies of the Central American problems that I am often obliged to meditate before a ^{scrap} ~~scrap~~. When we have done as fine a piece of work for Central America as has been done for the Philippines, then the study of the Central American flora will be a pleasure instead of a nightmare. But when can you see fifty collectors searching the forests of Costa Rica. Fully that number of collectors have done botanical work in Luzon. Their names are on the labels in my herbarium.

I am enclosing a postal money order for five dollars to cover postage on mailing tubes that you may send to me. It would be unfair to expect you to go into pocket for this part of our cooperative scheme.

Faithfully yours,

Walter Oakes

Leontop.

Ap 32.

27. VII. 23.

My dear Ames.

My Macm is very kindly taken, personally the little lot of plants at present available for you, as well as the specimens in alcohol, pray advise me if any of these are unworthy of preservation by that method, as you will see, they fill the number of bottles received & if they are acceptable specimens, kindly send me other cartoned bottles, to be filled in due course, I have some at present in flower that I should like to send you by the same method of preservation, practically all the Pleurothallideae would seem to demand it.

Herewith the fungus *Enriopsis*, photographically rendered; but it needs an orthochromatic screen.

To the Leontop market on Thursday, & on Sunday occasionally, come two Indian women from Jotosi & this week they brought two orchids which my wife providentially saw & purchased, one is the moderately rare *Epid. meglossum*, & the other *Lealanthe?*, this terrestrial I had never seen & was delighted to get for you, it has very large leaves & apparently the leaves are far more persistent than is usual in our local terrestrial, as of the two portions of plants in question, each had two bulbs with perfect leaves. Now in press.

Have I ever expressed my thanks adequately to you?

I am delighted with your swift response, but I regret

not having been in touch with you before, at least I had golden
opportunities, however I know much can be done here to help you.

I await very anxiously your report on the quaint little species
sent from Paralta as *Cryptophoranthus*? & cannot help hoping
it is new.

Macon has just advised his departure from CR and
regretful not to have seen him again, he & Oton Jimenez
went to Parablanca, a wonderful orchid region & they
must have got you a pile of stuff of there. Endre worked
it; but probably mainly for horticultural stuff.

With regards

Faithfully yours.

Ch. S. Foster.

I have seen only twice in this province & once on the
Pacific slope *Corymbis decumbens*, has this a wide
geographic distribution?

Dr. Oakes, Amer.
Boston, Mass.

Epidendrum *barlayi*.

Aug 1. 1923.

My dear Ames,

I thank you for yours of July 11th & send it herewith with a rough sketch on the back showing habit of your *Epid cristobalense*. My K 365 is probably a specimen from Boscaje (Cormado) a very wet rain forest locality, above La Palma & is very likely merely an exceptional example of *E. dolichostachyum*.

I suggest there are two species here, though the proposition in your last paragraph ^{may well} prove correct.

At least, the apparent specific difference seems to be caused by variant stations. *E. monostachyum* occupying the zones subject to a more or less protracted dry season, & (if I am right in my diagnosis) has rounded thick leaves of sclerophytic type, *E. dolichostachyum* & your *E. cristobalense*, long lanceolate leaves. However I believe the two (types) occur together at 6000 ft in the Paso Ancho district, on the slopes of Orangi & will endeavour to look this up for you. A fine plant of *cristobalense* is just at flowering point in my yard. A case for a trinomial what?

Also two photos enclosed - I thought *E. angulosum* might interest you as showing habit & the other *Euep* will I feel sure be acceptable - this plant I mentioned in a previous letter & is abundant at Barceos, a cool region similar to La Palma but with a marked dry season; (most of our material was lost, I fear, as already recorded,) now if my memory of the similar plant collected at Platan. 7500-8000 ft Orangi, is correct, the two although very ^{much alike} similar, may well be different species - so that possibly *peruvianum* & *Jondrejii* are not synonyms. If I go up to Pacayas with James Rehn (Phila) in 3 weeks time, that should

Kindly return yours of 11th with apt
admiring my drawing.

be a similar locality & it probably will come to hand & if in flower should solve my doubts.

The *Angraecum Kotschyi* I brought from Uganda has been in flower now about a week & is a charming reminder of that wonderful country, my *Aucellia* has died - very very sad. I made a few specimens while on safari & these have been identified as.

- Angraecum* sp.
- " *Kotschyianum* (sic - is this correct?)
- " *rhodostictum*.
- " *tridactylites*
- Calanthe corymbosa*.
- Disa Bakeri*.
- Eulophia aurantiaca*.
- " *Kirkii*.
- " *mitanjiensis*.
- " *Shurpangae*.
- Habenaria decorata*
- " *huillensis*.
- " *Mannii*
- " *Meehanii*.
- Limnorchilus arenarius*
- " *calopterus*
- " *Euphrasae*
- " *Stenophyllis*
- " *macranthus*
- " *validus*
- " *Wallerfeldii*
- Listrostachys arenata*
- " *odoratissima*
- " *pellucida*.
- " *Scheffleriana*
- Mystatidium* sp.
- Peristylus pehitanus*
- Polyblastya cuneata*
- Oxiphanes crassicaulis*.
- " *longicaulis*
- " *sphaerocarpon* -

Regards
Yours faithfully
C. H. M. Keats.

Barlay

Aug 9. 1923

Dr Walter Ames.

Boston. Mass.

My dear Ames.

Your letter of July 17th with enclosure
\$5 is gratefully acknowledged. Actually, the
alcohol specimens were sent by hand of Mason, so
I incurred no expense on that account; but one pays
duty on everything that arrives by post, & your contribution
shall be employed on railway fares & postage.

Vanilla, broadly speaking is confined to the coastal
area, so I am unable to help you. The highest altitude
at which it occurs is probably about 1200 ft. This of
course it is occasionally transplanted to settler's gardens.

On the Atlantic coast there are 3 species known
to me, *V. planifolia*, or my conception of it. (Common)

V. a species with almost tooth leaves. (rare)

+ *V. inodora* (rare)

on the Pacific side I have seen two species & probably
others, ^{but} only once in flower & that was at a locality
about 20 miles south of San Jose, the plant resembled
the Atlantic *planifolia* exactly yet I believe the flower
was much finer, the whole woodland was rendered fragrant
for yards around.

These may be casual collection of vanilla leaves

but no serious commercial exploitation of any species occurs in CR at present. A German, Neumann, has made a small plantation on his cacao farm & I believe he sent the three species (Atlantic) already reported to, to Dr Schlecter

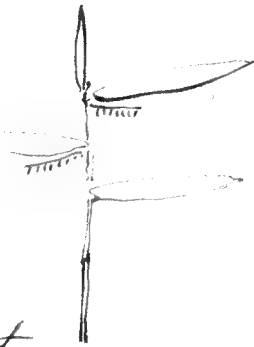
The common sp. of the Pacific, is an immense plant, with stems up to 1" thick & is not scandent as is *planifolia*, usually runs straight up the tree trunks (*V. Pittieri?*) (*V. Pompona?*) I do not recollect definitely seeing this in flower; but have an idea I once saw a species on that coast with quite small flowers.

On the coast & south of Limon there is a belt of littoral scrub precluding the high swampy forest close to the shore, which is densely interwoven with Vanilla, smiles of it. The Fruit Co ought to get apart that.

You are lucky to have had so much help from the Philippines, evidently the planters are more interested in nature than they are here & I suppose also the Agricultural Dept has helped greatly. In flower now is a fine plant of *Edmontoglossum Kramerii*, given me about 30 flowers - as a small piece years ago by Amparo Zeledon (Who by the by, has just lost her husband Jose Zeledon & in Durin, a very dear friend of mine ever since I came to CR) this charming thing I have never seen in nature, tho' several times I have collected the white form. Cachi, 3500' Havana 4000', La Gloria 2800', Peralta 1000' & San Carlos 600', all Atlantic localities. I believe my specimen came from the hills around San Ramon, so that I cannot regard the white sp. as a var. of true *Kramerii*, at least conviction will be hard that the variety only has attracted my attention in the presence of both. Olin Jiménez & I went to Cachi last Sunday to look for a sp. of *Perezia* he is interested in & I collected a few specimens for you but nothing very notable, of major orchids *Lycaste leucantha* & *Diospilina* *Funialbae* turned up. A nice terrestrial was in spite & I hope to return next week to get you some (*Erythronium* sp.?) In that region I have long been familiar with a very curious terrestrial of the *Dobsonia*

that grows on the upper slope at Caclis is rare even there, of this I brought a plant & am trying it under my stage here, it is an *Elleanthus* or close ally & may be roughly rendered thus: —

axillary horizontal
racemes of tiny yellow
flowers, the creeping
short-noded rhizome is
usually 2 to 3" below earth
level - the roots are brown & very wiry



also, apparently
Christogramma.

I do not recollect sending it to Rolfe & have not seen a plant for at least 8 years. so that I hope it may grow & flower here, it is not at all decorative.

While on *Elleanthus* — there is a lovely species of this genus on the road to Pogo Agal, I of San Jose — seen in 1915 —

grows pendant from underside of branches, plant relatively small



with cylindrical racemes of bright yellow flowers, a charming find & worth cultivation anywhere. I fear most of my orchids from that trip to Mrs. Zelenka — suppose most of them perished, she has never had any one to help her with cultivation & succeeds only by elimination. though of

late years her collection & methods have improved — I was pleasantly surprised at my last visit, about a month before you came here.

The shattered remains of my plants continue to arrive & they are installed successively for *Chivalaceae*, present indications are favourable & in a year's time I hope to have a decent show.

I crossed Panda main with *Renanthera denschottiana* & a good capsule has formed. Of the huge plant of *Amellia*, Sir Robert Conquard took home to Kew on my behalf. I brought out two tubs & have just had the heart-rending experience of receiving an empty labelled post, followed in the next cardboard by the dead remains of the plant.

Regards

Yours ever

Colquhoun

over

The said *Arnellia* was a stipendary orchid, growing in the wide crevice
of a huge *Chlorophora excelsa* (Munibi) at about 18-20' from the ground.
It had over 300 bulbs all over 3' in length. *Arnellia* are not ~~particularly~~
abundant in *Hyandala* & I had not the first specimen to see any in flower since
then. This particular plant is hailed as a dark variety of New. Arthur Hill
states on two flowers which I saw, still in England & I much regret it is now here.

Laro told that on the island near Mawanga (South of Victoria *Hyandala*) they
are very abundant.

new supply?
I trust the ^{new} mailing bottles will arrive soon, & hope you approved the contents
of those boxes sent you on my behalf.

August 16th, 1923.

My dear Lankester:

Your good letter of May 15th, has just come to my attention. My dear wife had it tucked away among some papers that she daily promised herself to examine. Of course extra copies of Sched. Orch. will be sent to you. But I must wait until I go again to my Boston laboratory where the store of my reprints and publications is kept. I think the specimens referred to in your letter arrived during a short vacation. I remember, now, that I was told that some partly dry material had come in and that it was in press. Regarding Schlechter's treatment of E. laterale Rolfe, I am afraid that a few words I said to him last August in Berlin (after examining Rolfe's type), gave him the idea that E. Rousseanae was the holding name. If you will follow my rambling remarks in Sched. Orch. 5, you will find that I enjoy the courage needed to change one's mind when new light comes filtering into my poor brain. And here, let me say, that I find Central American orchids most perplexing because the material available for study is too scant.

I am most anxious to see the *Cryptochoranthus* species to which you drew my attention in your letter of July 16th, and to which you refer again in your letter of the 27th, July, just at hand. If it is new we can find a place for it in Sched. Orch 6 which is nearing completion.

I am expecting to hear from Maxon very soon. When he sends in the package of specimens entrusted to his care, you may sure that I will give it close and prompt attention. I am eager to

add some new Central American species to Sched. Orch. 6 . This number of the work is at present too much taken up with the Philippine novelties that have come to light during my work for Merrill's Enumeration of Philippine plants, Just think what it means to put into creditable shape a critical list of all the orchids that have been referred to the Philippine flora. This list must be my excuse, in part, for any neglect of specimens that have come in from Costa Rica. And now Merrill wants me to work up for the Sarawak Museum a collection of orchids taken on Mount Dulit, Borneo.

Your letter of August first came in this afternoon. What you say about the Epidendrum Laucheanum mix-up is most interesting. But until I see an abundance of material it will be impossible to arrive at satisfactory conclusions. In connection with this problem I have just received from Kew a flower of Rolfe's type of E. Laucheanum. Please help out in the solution of the problem. It may mean a little work to collect and press material that shows variation, but it is so well worth while to go deep into the perplexities of this orchid riddle. I have just finished a thorough revision of the Philippine species of Appendicula. To do this I had to work over specimens that have been accumulating for twenty years. In this case I was overwhelmed with material, but the results! I was able to put at rest some of those awful doubts that come sooner or later into the thought of one who works in a complex flora. Systematic studies are only delightful for a conscientious student when the material is abundant. Until I see additional material of some of those Lepanthes species of yours, the fear that I have, perhaps, muddled things,

will keep rising. It is only after we can begin to recognize our own species in fresh material that a feeling of joy comes, the reward of courage. Somebody has suggested that when systematists pass to another world, a fitting punishment would be to have them set at the task of determining their own species. The underlying conclusion is, that species-makers are destined, in any case, to suffer in that place to which bad souls are sent. And while we are on this subject, I may as well tell you that my friend Dr. Kraenzlin of Wolfenbuttel would have a sorry time of it, if he were to suffer the suggested punishment. He has just sent to me the types of some Philippine orchids that he published in Berlin. They consist in every case of mere scraps. I dont know what to do with them. I cannot recognize them. And I feel sure that they are simply old friends disguised.

The photographs are most welcome. These will find a very comfortable place in the herbarium and will, I hope, be joined soon, by ample pieces of the originals.

More mailing-tubes with bottles inside, will be forwarded to you from Boston. I am delighted to have you ask for more. Our good friend Powell simply hounds me for large bottles and tubes. He keeps a steady stream coming this way. How the alcohol gets by the frontier is a constant query with me. The alcoholic specimens accompanied by herbarium material ^{are} ~~is~~ a wonderful aid to determination and to the preparations of drawings.

Yours faithfully,

AUGUST 24th, 1923

My dear Lankester:

Maxon came to my laboratory on the 18th August. He shared with me many of the pleasant memories he brought home from his brief visit to you. His remarks about the opportunities for telling discoveries in the vicinity of Cartago made me restless, and my expressions of regret at our not having stimulated the interests of collectors in Costa Rica touched a very tender spot in his attitude toward the future. It is highly probable that Mr. Standley will make concentrated efforts to extend our knowledge of the flora of your more prominent mountains and that he will begin his work early next winter. In fact we are now convinced that no delay should be suffered

Powell is diligent. His indefatigable zeal is one of the joys in my contemplation of Central American orchidology. His specimens are often works of art. I assure you that for a self-trained worker in the technic of the herbarium he has made startling progress. I want to make his collection a creditable memorial to his enthusiasm.

I enclose one of the labels that I had printed for your Costa Rican set. I have five hundred of these labels. When may I expect the pleasure of ordering another supply?

I am afraid that my boyish enthusiasm must seem to you inordinately intense, but I take courage in the thought that you have experienced similar enthusiasm among those fluttering things that seem to rival the orchids in beauty of color-patterns. The collector's spirit, whether the hobby centers in plants or animals is specifically the same and the victims of it understand each other.

Your specimens have arrived from Washington. They made my day cheerful to the end. I wished there were more. But if you had sent ten times as many, I would still say that.

The *Masdevallia* sent in your letter of Aug. 1st. is surely *M. Reichenbachiana*. I did not boil up the flower and will wait for more material before attempting a sure diagnosis. It hurts to mutilate anything in the category of uniqueness.

When may I expect the specimens that Jimenez has in hand? Now is the time to get this material under the lens.

With the best of good wishes,
Yours faithfully,

Massachusetts Men's League for Woman Suffrage

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Carap.

Sep 3. 1923.

My dear Anas

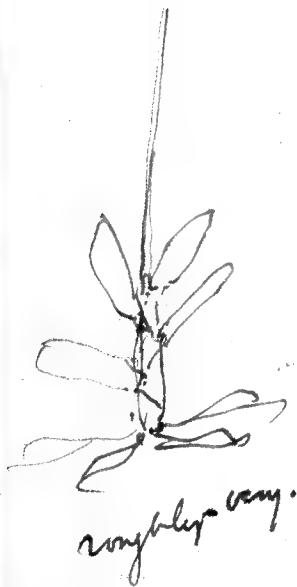
Your very delightful letter of August 26th demands grateful acknowledgment & provokes me to send you the flower enclosed, given to me in San Jose last week. It is the finest *Telipogon* I have seen, & I will ask you to tell me whether it is *T. Biolleyi* or *T. Costaricensis*.

The flowers are borne on upright peduncles about 12" in height. I saw only the one plant & make the sketch at side from memory.

It is possible my friends may induce the itinerant orchid vendor to produce a few more, then I may hope to send you valid specimens.

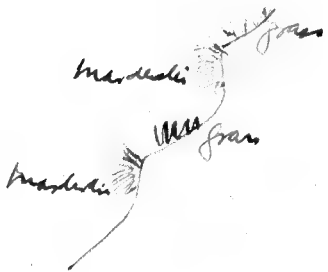
I have a dozen plants of a *Telipogon* in cultivation, found in spike but not in flower, an unfortunate accident destroyed this season's prospect but perhaps I can visit the locality again soon.

Tomorrow I anticipate the pleasure of meeting Mr. Rehn of Philadelphia, the cockroach - grasshopper expert & we go up the Carpio river together & then on Wednesday to Pacaya for the ascent of Sumialba, something should occur for you, on Sunday week I found what appears to me to be *Trasmodalla asluta* (Carpintero) the plant is very similar to Mr. Engstrom's



very very.

with shorter leaves, the flowers are maculate all over inside
 sepals tails shorter. (I love this group) I found also a curious one
 growing on the eastern lower slope, in dense masses in open
 pasture, this is in bud, the plant is much like *Pleurothallis latifolia*-
 & may be that species, a few days will show. A curious habitat
 by the by, it is also epiphytic & looks like masses of sponge on a
 tree trunk. When first seen, on the ground, the mean angle of
 slope is about 45° & you probably know the way slope of this
 nature become longitudinally grooved by the constant presence of
 cattle, the *pleurothallis* was in dense groups 10" to 20" long by
 5" or 6" deep on the upper edge of such ridges & differed little
 from the adjacent grass in appearance.



I have a few things in press for you
 which shall go with anything from
 Jamaica that may be worthy -

If the little *Pleurothallis* is new, you (Peralta)
 must not perpetrate

Pleurothallis cryptophoranthoides.

Epidendrum lanceolatum,
crispifolium,
rostratum
distichatum } are
 in flower on the Carpentaria

& is very abundant. you shall have some.

The photo is delightful, what is the shrub against your
 mullioned window? I like your broken stone, what fascinating
 surroundings, except for the said stone it might be in Trinidadian,
 & that shrub - not *Duranta* surely.

Yours faithfully

C. L. Hancock.

Cartago.
Sep 30. 1922.

My dear Ames.

A word of grateful acknowledgment of your letters July 17th Aug 12th & the extra copies of Sched. Prob., of which one set has been handed to Dr. Lachner & myself, the head of the College here for this he is most grateful & would like any further issues if you would kindly provide copies.

I am glad to know you have seen Maxon after his return, his visit ^{here} was regrettably short, but very inspiring, we had one glorious day on the Santa Clara slopes. Some day I must make you a rough map of the localities used in my collection.

It is good to know Standley is coming down, localities are possible for him that are practically defunct to me & he is sure to make you a great haul.

Nothing really exciting is in hand for you, a nice set of the Delipogon from Pacayas shared for you two good sheets of that charming thing - also wet specimens, my present prospective thrill is the opening of a bud on one of two plants of a Wardwellia from Baralta (10000 ft) & this is very likely to prove Mr. Livingston's, the Loxocharta from San Carlos you dedicated to me is now in flower & a very pretty orange-yellow Loxocharta from the NE of Cartago, a unique in my experience, has a bipinnate inflorescence about 5' open. Others that may prove interesting now in bud, are two Epid (pusillum) from different localities, my hope is that these two names are not synonymous. A spray of Millonina betrodruciana is dried for you & the common Bauleia (hindleyana?)

The enclosed (not dried) is very abundant on grass - 8500 - 9500 ft. flowers ^{are purple} concolorous, quite an attractive thing when well flowered though not striking, of this ample material awaits you, apparently an Epidendrum it is markedly different from any other here.

In sending pamphlet it is in the time letter post unless this is a extra expense to you. they can be parcel post in which case duty is charged here.

The descriptions in 'The Orchid Review' of some of your local orchid collections have been very interesting. I'd love to be much more entertaining here if one could only see such collections occasionally, but one has wonderful solace from nature herself, old man Powell even is too far away, it would be great to be able to see him and his pets once a month or so.

While on the subject of recent flowering, I should have referred to a curious *Isotria* captured above Peralta (3500 ft?) This has broad glabrous pale green leaves the terminal leaf quite small, the white flower having the sepals faintly stained purple (byline) very small, only two have been produced, evidently about so.



Last ^{of} a compact bracteate sequential raceme suggesting a series of 7 or more flowers.



I suppose you know that your *Epid. obscurum* attains heroic size in favorable station, more than 3 ft in height, leaves of just over 9" with umbels of over 30 flowers, in such development it is a handsome plant.

Some of the white *Isotria* brought from San Carlos have grown; alive from that trip, besides a few unrecognized, are *Pleurothallis* *maria*, *Orchis* *Ramirezianum*, *Odontoglossum* *albom*, *Odontoglossum* *puberulum*, *mesopimidium*, *Orthotrichum*, several *Epidendrum* *normanode*, *Wendlandii* (a floriferous kind which I hope will flower here.) *Hexademonia* (not *curvifera*) *Eriopsis*, *Sonchella*, *Stenopogon* *Cranichis* & two bulbs just alive, which I surmise to be *Hemilitis*, bulbs tetragonal about 3" high, strongly bracteate, entirely unfamiliar, with terminal ~~unimbricate~~ non-umbonate scars, much like *Lycaechis*. Regards
yours very faithfully
C. C. Lamb.

355 Commonwealth Avenue, Boston, Mass. Oct. 15, 1923.

My dear Mr. Lankester:

When your good letter of the thirtieth September was handed to me at the lunch table this afternoon, I realized that I owed you more than a little of my attention. The reason for my long neglect is found in an overwhelming volume of work. Ever since my return to the Boston laboratory I have been driving two stenographers and one proof-reader in an attempt to supply Mr. Merrill with copy for his enumeration of Philippine plants. And then there is my college work to ~~say~~ nothing of the routine duties connected with my orchid studies. For one who loves leisure I am a very busy creature.

I have a few determinations for you and I take this opportunity to place them before you.

- 460. *Stelis vestita* Ames sp. nov.
- 420. *Stelis propinqua* Ames
- 468. *Stelis propinqua* Ames sp. nov.
- 461. *Pleurothallis rufifolia* R. Br.
- 465. *Pleurothallis peperomioides* Ames sp. nov. In what fluid did you preserve this peculiar thing, a near relative of the Cuban *P. nummularia* Reichb.f.?
- 469. *Pleurothallis peregrina* Ames sp. nov. The specific name is perhaps poorly chosen, but refers to the fact that the type came to you from an unknown source. In *Pleurothallis* one is always at a loss for a name that has not already been used.
- 472. *Epidendrum Mooreanum* Rolfe. This is the species common in the Cartago valley. Very acceptable. I only have a few flowers from Rolfe's type specimen.
- 486. *Polystachya minor* Fawc. & Rendl. Not typical, however.
- 485. Sent as *Stenorrhynchus*. This is not an orchid.

I am about ready to send the manuscript of Sched. Orch 6 to the printer. This number will contain the descriptions of the new species named above. I am sorry that you and Powell take a very small part in swelling this number of the serial. But, I can not honor you if you do not send me material.

Please send to me as soon as dry the balance of the specimens of the species enclosed in your letter. This looks interesting, but I must have more complete specimens before under-

taking a determination.

Alcoholic material of the flowers of *Stelis propinqua* would be most welcome. This is the species that Rolfe determined as *S. leucopogon* Reichb.f. I have compared the flowers with Reichenbach's type, and find that it is quite different.

I hope you bore in mind the fact that the type of *Lockhartia Lankesteri* was a much crumpled thing forwarded in a letter and that you made a fair specimen for me.

I am expecting great things from Standley's trip to your country. He is an indefatigable worker and should bring to light a wealth of interesting species that have escaped notice.

Schlechter has written that his Costa Rican paper is done. He informed me that it would appear on September 30th. I wonder how the Germans find enough marks to pay the bills of printing?

Please do as much as you can for me. You are surely in a region where orchids of extreme interest are to be had. If you neglect them, I am afraid that Schlechter's numerous collectors will beat us badly.

The preservative you used on *Pleurothallis peperomioides* turns milky when added to water. What is its nature?

Additional copies of Sched. Orch. will be sent by letter post in future.

Yours faithfully,

472 *Epidendrum Mooreanum* Rolfe

460 *Stelis vestita* Ames sp. n.

420 *Stelis propinqua* Ames

468 *Stelis propinqua* Ames sp. n.

469 *Pleurothallis peregrina* Ames sp. n.

465 *Pleurothallis peperomifolia* Ames sp. n.

461 *Pleurothallis miscifolia* R. Br.

483. Sent as a *Stenorrhynchus* is not an orchid.

486 *Polystachya minima* Fawc. & Rendle but not typical.

4.

2

6.

471 *Dichaea suaveolens* Kianze

455 *Lepanthes elata* Reiche. f. Probably. The material very unattractive.

482 *Pleurothallis Sanehii* Ames.

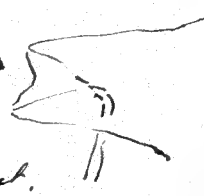
483. *Pleurothallis Cogniauxiana* Seidl. Probably. No flowers, but in vegetative characters matches the type.

Cartago.

Oct 17. 1923.

My dear Ames,

The *Mastodalla* from Peralta, that imagination painted as *M. Limpetiana* has proved to be very very different & is a very charming species, my two very poor books apparently do not contain it - Schlecter & Williams respectively. I thought it might be *M. Costaricensis* but as that is compared to *M. Reichentachiana*, which is at present in full flower, I see it cannot be, coming as it does from a hot, low, region it may be undescribed, or a Colombian wanderer.

I thank you for the enclosed, which were forgotten, but as they seem to have at least retained a certain freshness of colour I send them for possible identification - Rolfe determined this sp. as *M. lanceolata*, the sepal points are reflexed →  May this not be *M. attenuata*? Another which you surmised like that species occurs also in Cachi, but is definitely distinct, having very much shorter tails & lacks the brilliant coloring of this enclosed.

My # 491 appears to be *M. diantha* (Schl.) collected within 3 miles of Cartago; several other plants from close to the Schlecter type locality are now in bud & appear to be identical, though neither these nor my Cartago plants now in cultivation, have the double inflorescence usual in nature. a charming plant when seen well flowered on a mossy bank.

A welcome visit was paid me last week by Alberto Brenes to whom I referred in previous correspondence, he told me he

had some 200 odd duplicate numbers, some of which differ from
any he has sent to Schlecter, I think he would not care to approach
you, may I suggest you should write to him on the subject if you
desire to secure them. to don Alberto M. Bruna. Heredia. CR
is his present address, if you wished me to report on the specimens
I can go over to Heredia. I hope to see them soon in any case.

A San Carlos Calcectum is in flower & is the same as the common
Atlantic species. (macrocarpum?) - buds appear on the Cycnoches from
there also, another rather uncommon sp. has a spike ready to open.
Coelia macrostachya. Of this, old man Powell sent me a plant from
Panama - I have several times thought he simply returned me by
mistake, one I sent him some years ago; but perished the unworthy thought.
That he does not seem to have sent it to Schlecter.

I may get you a small packet of by this mail, though such small
sendings may annoy you.

With warm regards

Faithfully yours,

Ch. Conkright.

May I remind you that #1 of Orchidaceae is still an action?
void & if you can spare me one, might I beg for a signature.

A parcel post receipt slip from U. S. A. has arrived, presaging
presumably the alcohol bottles. if so thanks.

513 Commonwealth Avenue, Boston, Mass.

October 26, 1923

My dear Lankester:

Next week I expect to issue another one of my endless effusions, Sched. Orch. no. 6. In it you will find several new species from your collections. I hope Schlechter's forthcoming paper does not undo our work and crowd the already uncomfortable realm of synonymy.

The little *Pleurothallis* with round leaves I have described as a novelty. It is suspiciously close to the Cuban *P. nummularia*, but I think differs in several points of structure that are of specific value.

Maxon found a close ally of your *E. obesum*. He obtained it on the Mombacho Volcano in Nicaragua. I take it to be *E. lacustre* Lindl. a rare species only known from Venezuela heretofore. It differs from *E. obesum* in the structure of the labellum. Maxon sent living plants to Powell. Would it not be well to send Powell some living plants of *E. obesum*? I would welcome additional dried specimens for studies of variation.

Here are a few determinations for you:

471. *Dichaea suaveolens* Kraenzl. Heretofore only known from Guatemala.

455. *Lepanthes elata* Reichb. f. But not typical.

482. *Pleurothallis Sanchoi* Ames.

453. *Pleurothallis Cogniauxiana* Schltr. There were no flowers with this. The vegetative characters match the species named. More material would be welcome!

Maxon's Costa Rican specimens have been a great joy to me. Wonderfully preserved and quite satisfactory.

Among Maxon's specimens I found two new species. I intend to illustrate these in Sched. Orch. no. 7. The descriptions are already in print.

A little more pressure would result in better specimens. Usually your material is shriveled. The chief difficulty in this case is to make the descriptions.

Please send me anything you have ready. I am frantic with impatience, because you seem to have the rare faculty of detecting the critical species of your environment, and every package from your hand gives me food for thought and material for publication.

Standley goes south early next month. If you are able to pilot him to some of your choice haunts, I am sure that he will bring out many worthwhile things. He is a hard worker in the field and his specimens are models of perfection.

Yours faithfully,

Received Oct. 13, 1923, in A.M.

Contd.

Oct 30. 23.

My dear Ames,

The bottles are now here, very many thanks for sending them, may their ~~contents~~ contents prove acceptable.

A brasdevallia referred to in a recent letter as from the same localities as indiantha, has opened one flower or is, I surmise, the M. scandens of Schlecht & of this ample material is on hand for preservation.

At Peralta, the Elleanthus enclosed, was found at my last stay there, it appears different to the allied species from La Palma etc. & I hope my cultivated plant will flower.

I went to Sterchia & saw a good many of Alberto Branca specimens. (qua specimens they are no better than mine) & the minor orchidaceous flora of his region varies a good deal from the regions I have more or less worked, some Stelis forms were quite new to me, those with a large ^{coloured} bract persistent after the flower has fallen are specially interesting. he has a wide range of genera but tho' he thinks many are different from specimens sent to Schlecht. I cannot think many of them are so as his localities are not widely separated.

It is a misnomer in this country that names are so frequently repeated, there are 3 "La Palma" for instance each of a very different ecology

I hope my last few specimens reached you in good shape.
I fear a few of them were not quite dry, & must apologize
for them.

By this mail a letter reached me from Dr Arthur Hild
saying that he will spend a day here at the end of
January, during a brief Indian trip. The ship touches
here for 1 day, & I hope my comfortable experience
with you will not be repeated, tho' I have the pleasure
of a slight personal acquaintance with him, & should
at least know who to wave to, if our trains crossed.

Brewer expressed a wish to collect for you professionally,
if you have any interest in that; would it not be a good
plan to give Standley conditional instructions, let him see
him & fix any arrangement to be made, I know that he
hopes to meet Standley & would like to join him at least
on part of his exploration.

^{Living} My plants became very badly infested by Pseudococcids
during my absence, can you give me the formula of any
really safe insecticide, with which the plants may be
freely sprayed? As regards fungicide, is Lime-Sulphur
safe for orchids.

With regards.

Faithfully yours

C. Kent

Cartago,
Nov 3. 1928.

My dear James,

A grateful word for your letter of Oct 18
in my hands since yesterday. I do appreciate very
fully your kindness in writing & hope you know
what a delightful treat finding the Boston post-mark
on a letter at the Cartago Post Office is, our post is
only 50 yards south of the first seat claim on for a
first reading.

I cannot recollect that *P. peperomivoides* was preserved
in any solution different from the other, the ^{GOV'T} got alcohol
currently used is adulterated with Pyridine, I believe - I
have a faint idea some Kermene was offered me at Peraltó, for fruit.
I am at present trying a different & cheaper medium; but
do not as yet think it successful.

Stelis propinqua, you shall have in alcohol, a good
plant in cultivation here, is now in bud.

Now pray set my mind at rest about 483, is this
a Bromeliad? Why I even thought I had seen the pollen in,
in any case it is a very rare plant here.

II Nov 15/56.

I hope you may have this plant identified & will send me the name.
Your very welcome letter of Oct 26 reached me today. - has, as always
been yours. much of interest.

My route has not often crossed those travelled by Schlecter collector,
the San Carlos region - the ridge crossed to reach it, has probably
been well searched on his side & #460 is very likely to be among his
things.

Epidotium is very common at 5500 - 7500 ft in some forest localities
doubtfully cultivatable in Panama, I will attempt to send plants to
C W P. however, when occasion offers. It is, in favourable stations a bold

striking plant. Of this I have two species at present, one flavoid
P. Cogniauxiana. When I had no mailing bottles I had very pretty spotted flowers. The
other from Jotund is much like that sent you from Peraltin (unlabeled) #453
& has dull orange cream flowers which do not open for more than about 1/2 hour
along the bud joint of the sepals



The one plant of *Loxostemum Laurentii* produced a flower also about 4
weeks ago; the bud at present developing shall be "spirited" for you.
Nelson had a special drying apparatus which would naturally
ensure good specimens, this I did not see; but I expect the one I
saw Stevens of Illinois used for his leaf press was about the same
thing. personally with hot iron is an immense business & interferes
with domestic interests too much to be an ideal winter sport. But
Powell seems to love it - achieves marvellous results. more power to
his elbow! (omission?)

In yours of Oct 15th you cite my #461 as *Pleuroisifolia* Rob Br
I have under this a sp of *Epidotium* of the *E. fragrans* group - a hope I have
not made a mistake of nomenclature.
I hope you enjoyed the *Delipogon* *Bottle* sent from Praya. This is
a *Chelidonium* like orchid.

S. S.

With regard to sending alcohol specimens, this is as you well know
the only valid method for most of the small things, but it is unfortunately
expensive.

Is it worth your while to send one larger applicator bottle? if you
can do this. I would say also, provide the means of larger
explorations, Traps, which are not unduly expensive here considering
the rate of exchange. I should be pleased to help you more
fully.

I have two nice plants of *Aspidochelone costaricensis* in press
(Raf.)
for you. one of our prettiest minor orchids.

Raf.

355 Commonwealth Avenue, Boston, Mass. Nov. 8, 1923.

My dear Lankester:

Last evening I dined with Mr. Chittendon. That event brought Costa Rica very close to Boston.

I thought I sent to you a complete set of Orchidaceae. When I learned from your last letter that vol. 1 is lacking in your set, I packed a copy and forwarded it to Mr. Standley. He will deliver it to you when he reaches Cartago. I inscribed my autograph on the first blank page. Then I enclosed a photograph of the author. (Also with autograph). I think this will complete your set. To make me feel that the second autograph is worth while, you must gather insome of the common species that live near you. I am afraid you overestimate our stock of what you regard negligible.

I have ready for publication six or seven of the Pleurothallis species that you have sent in. That is, pictures of them. They look very well and will, I hope, stimulate your efforts toward an increase in my specimens. By the time my next effusion is ready I hope to have most of the Pleurothallis species illustrated. Then I will take up Lepanthes. But it would be much easier to do this if you will send me flowers in alcohol. The flowers of Lepanthes are very difficult to reproduce from the dried material. Surely you will agree with me that every effort should be made to crowd into Sched. Orch. a complete pictorial record of Costa Rican orchidological gems. Just at present I am devoting my attention to the inconspicuous species, placing four on a plate. I am convinced that he who publishes trustworthy plates of the orchids does more for science than he who writes tiresome descriptions. Please cultivate an intense interest in my behalf.

Just at present I am pushing ahead with determinations of orchids from, Salvador, Nicaragua, Costa Rica and Panama. The material gathered by Prof. H. E. Stork is just about finished. Two new Epidendrums and what I take to be a new Stelis.

Mr. Standley leaves for the tropics next week.

Please do not let the size of your packages deter you from sending them. I would rather have a small package in every mail, than suffer the impatience of waiting for a large one.

In your letter of Sept. 3d, you asked what the shrub might be that grows outside my library window. It is a Spirea. It is the "bridal wreath", with white flowers.

In your letters you mention many species of which no specimens have been received. Please spare my feelings, and only mention the species that I may look forward to as concrete evidence of your thoughts and pleasures. It would be cruel to write about crystal springs and peeling brooks of sparkling water, to one tortured by thirst in a desert.

The winter is coming fast. This afternoon cold winds followed by rain made fires about the house very acceptable. In a month or two my thoughts will turn to the tropics. Then, if my duties permit, I may wander in your direction.

Faithfully yours,

W. H. Seward


555 Commonwealth Avenue, Boston, Mass.
November 13, 1923.

My dear Mr. Lankester: Your welcome letter of the 30th, October is just here for an after-breakfast perusal. The specimen of *Pilea* enclosed in that letter is familiar, even in its sterile condition. It is *P. caespitosa* Reichb. f., a species which I met for the first time in Reichenbach's herbarium, where it lies in the usual sterile condition. The same species, originally collected by Andres in Costa Rica, is in my herbarium, but lacks perfect flowers. This species was never published, and yet, is quite distinct from everything I have examined.

In your last letter you mentioned *Pleurothallis lateralis* Reichb. f. in an exasperatingly casual manner. Do you realize that this species is as rare as hen's teeth in herbaria? I am expecting good specimens of this in your next package.

Now, with regard to Brenes. I think it will be well to appoint Standley a delegate at large, to discuss with him collections and collecting. In the meantime I am sure that you will use influential intervention to extinguish any lingering tendency he may have to send orchids to Berlin.

I will look up insecticides and report in another letter.

The delightful package of specimens arrived before I had quite finished your letter. To express my feelings regarding what you have sent, would lead you to believe that I am over-rich in expletives. Ten thousand thanks for your assiduity in my behalf. The *Epidendrum* with a white lip is *Epidendrum pergaminum* Reichb. f. It has lip of this type 

Every package from Costa Rica is a cause for celebration here. In August 1922, when I visited Schlechter in Berlin, he took me into a small room in his apartment on Neue Culmstrasse to show me his accumulation of Costa Rican orchids. He was overbearingly conceited because he felt that nowhere in the world was there comparable bulk. I had to take my medicine as he dispensed it, but, as we say when Yale defeats Harvard at football, I was not downhearted. I simply made up my mind that the tide always turns and that hope is a truly uplifting attribute of the human species. I hoped the tide might turn soon and that before many years passed, I would be able to match Schle-

chter's accumulations and then surpass them. Your assistance has been wonderful. I think you have turned the tide. If you continue kind, we wont have to go to Berlin to find a rich representation of the orchids of Costa Rica.

I think your conception of *Pleurothallis Lankesteri* Rolfe, is correct. At least from a casual comparison of the specimens with the original description, the points of agreement are overwhelmingly convincing. The specimens you have sent are a pure joy and fill a gap that has been a most perplexing one. I made a careful tracing of what I took to be the type when I was at Kew. On my return home I found that the specimen I had examined and took to be the type, was not *P. Lankesteri* at all.

Standley has written to inform me that he will be pleased to deliver to you the volume of Orchidaceae that is needed to complete your set. I am surprised to learn that this volume was not sent with the set. It has some good plates in it and illustrates several Central American orchids.

Lepanthes flowers in liquid preservative are quite necessary for purposes of illustration. I intend to hold off on this genus until I receive supplementary material from you. *Pleurothallis* is progressing wonderfully well. I have about eighteen more species to have drawn before I complete the proposals made in Sched. Orch. I am sure that the effort to represent Central American orchids in carefully prepared plates will meet with your approval. But above all, I hope this effort will stimulate your interest in my behalf.

Standley is in New York to-day. When he arrives in Costa Rica, shower orchids on him. Make it a rule that no orchid goes unpressed.

With the best of good wishes,

Yours cordially,

Robert C. Ames

(A)

NORTH EASTON, MASS.

355 Commonwealth Avenue, Boston, Mass.
November 16th, 1923.

My dear Lankester:

I have examined the specimens recently received. Although a few of them are in doubt, I hasten to put you in possession of the names of those that are clear.

499. *Lepanthes tridens* Apes.
495. " *elata* Reichb.f.
496. *Epidendrum rugosum* Ames. Cf. Sched. Orch. 6.
498. *Lepanthes Sanchoi* Ames.
518. *Telepogon Endresianum* Kraenzl. It is interesting to note that the number of veins in the petals and labellum are of no diacritical value. Otherwise you would have several species in the folder you sent. Kraenzlin in his monograph relied on the number of veins in the construction of his key.
517. *Epidendrum paucifolium* Schltr. Very glad to get this.
515 s.n. *Lepanthes Bradei* Schltr. Pacayas wood land, Sept. 6, 1923.
516. *Pleurothallis Lankesteri* Rolfe.
477 499. *Epidendrum pergamineum* Reichb.f. More material of this would be most welcome.
512. *Epidendrum Laucheanum* Rolfe.
514. *Epidendrum pumilum* Rolfe.
Hypocis - 519. *Hexadesmia* n.sp. New genus *Fraetunguis* Schltr.
501. *Epidendrum anoglossum* Schltr.
511. *Miltonia Schroederiana* (Reichb.f.) Veitch.
502. *Masdevallia triaristella* Reichb. f.
497. *Oncidium carthaginense* (Jacq.) Sw.
504. *Habenaria flexuosa* Lindl.
503. *Maxillaria* aff. *M. microphyton*. Probably new.
500. *Lepanthes blepharistes* Reichb. f.
510. *Epidendrum spectabile* Reichb.f. These *Barkeria* species are extraordinarily difficult. Cry out if you do not agree with determination.
506 s.n. *Calanthe mexicana* Reichb.f.
512. *Pleurothallis* sp. nov.
506 *Eriopsis Wereklei* Schltr.
508. *Maxillari* sp. nov. ?
507. *Epidendrum coriifolium* Lindl.
509. *Epidendrum* aff. *coriifolium* Lindl. Probably new.

There you are!

I am now ready for another package to keep me busy. Unless Dr. Schlechter comes out with names for the species I believe are new, before I get them ready for press, I will bring them out in Sched. Orch. 7. rumblings of which are audible in the laboratory.

Yours faithfully,



Indian pottery.

COSTA RICA
América Central.

Fotografía M. Gómez Miralles. Costa Rica, C. A.

~~Costa Rica~~ - Nov 18. 23.

A box of stationery for 8 ym by
next parcel mail. I believe

#516 should have been #519
Kindly insertivist & if wrong

concord. Regards.
E. G.



D. Oakes Ames

355 Commonwealth Ave

Boston, Mass.

E. G. U. G.

Barbado.
Nov 30th 1923.

My dear Ames,

In spite of having posted to you already this morning I must write on points raised in your two welcome letters of 13th & 16th just received this afternoon.

Elleanthus caespitosus, thanks for diagnosis, this is here in cultivation & should flower in due course.

Pleurothallis lateritia, I think I have a plant; but this is common at La Palma (San José, not A. Brenes locality) & Standley is sure to collect it. Kew had plenty of living plants from me, they may have succumbed to the saltwater invasion of 1920 (a very great tragedy, my lovely Coryanthes was one of the first to go).

Remember that orchids flower normally only once a year! If no better, what can do?

The cussedness of things in general, runs also to orchids, each time nice little fellows have flowered in the absence of accommodation for them.

Warmest thanks for the determination of species in the letter of 16th inst. I am sorry that two tickets were lost, the Calanthe is my #506 & Lepanthes Bradei is 515. This is curious, Abellectis described it from the Carpenter & I have not seen #515 on that bill as yet, I took L. Bradei to be your L. micrantha, this genus must be fantastic to work at from dried material.

#477 is Epid. pycnanthemum not 499.

You compare 509 with E. coriifolium, in life it is more like E. difforme itself very polymorphic. = E. blebulae as far as Otin's findings took them specially to the Desenzano & they worked that region very thoroughly I believe, it is a marvellous orchid district, I have not been there since 1903.

I regret so much the loss of our San Carlos material, I made a fairly nice haul down there, I suppose Otin has sent you the

517. Myr. californica also 916.

few fragments that were saved.

I like thought 519 was an *Hesicea* (of this genus I am present on 200).
it is a very abundant species around Teatapu.

518. formerly identified as ? *Biolleyi*. (synonym?)

516. I merely suggested this might be Rolfe's *P. Lankesteri*, the trouble is they had two quite different *Pleurothallis*s or labelled in the house at Kew, & at random I chose the one that strongly resembles #516 as being Rolfe's *P. Lankesteri*, memory recalls the Kew plant as of stouter growth & definitely glaucous leaves & with slightly larger & more brightly coloured flowers.

Schlechter has been promised this plant - *P. grandis* for a long time, ^(at his request) so I sent him one of #516 as *P. Lankesteri*, he refers it to *P. dubia* Rich & Sch. = *P. myriantha* Lehmann - Kraenzl.

all of which is related for your benefit.

517. *Ep. paucifolium* is a curious species & worth growing in a cool house, I wonder if it is also found on the Chiriqui hills. I sent you some of it in Borac, but this is too fungophilous as you must have realized, or if you cured, it was justified.

Remember my suggestion to get a R.R. pass from the U.F.C.: if you can do this, I can visit several good orchid regions in the course of the year, three years ago I did not want advertisement help; but my present costs are somewhat modified, next year I hope for better times. This the outlook is not overbright.

No wonder Schlechter has a rich CR collection, he had the whole of the orchids from the National Herbarium!

I am rather regretful to see the CR *Eriopsis* dedicated to Wendle, as I know it was first found by myself, the plant brought out from Sanapiguini in 1903 was given to Mrs. Beledon & possibly Wendle sent specimens from that very plant to Schlechter.

Well that is much already.

Yours faithfully
C. L. Lankester

340 found
= *Erismia*

rarely found with inflorescence well expanded.

The local species are flowering now & I wish some bottles were available & in the garden a tiny *Pleurothallis* much too fragile to press successfully, also demands alcohol.

It is splendid of you to have these little fellows drawn. I wish I had sufficient 3 1/4 slide for my camera, this is a very ancient contraption & I could not get slide for it in

England; very precious query, as to the existence or otherwise of the matter, Gennet, may have puzzled you, however.

I learnt from Stark that similar slide (Cobalt) are

still made in the U.S.A. & the camera, tho' not a really

first class instrument, could do useful registration work.

An ordinary Kodak might obtain you some topographical

pictures if you do an ecological chapter, Stark had a peach

of a camera & I should like to see his results, I had a good

day with him at Peraltown

I am very glad to know you may come this way

again, if you have time we could work the heath or the

hemp hills.

Yours truly

Ch. G. G. G.

[Faint, mostly illegible handwritten text at the bottom of the page, possibly bleed-through or a second page's content.]

355 Commonwealth Avenue, Boston, Mass
December 3, 1923.

My dear Lankester:

Your letter dated on the 3d. and 15th, November, and your postcard of the 18th, arrived this forenoon, adding cheer to a clear December day. It is delightful to receive letters when the conditions under which they are read, stimulate enthusiasm and good fellowship.

You ask several questions which I might as well answer at once. Your 461 is *Pleurothallis ruscifolia* R. Br. Change this to 461a. Then 461 will be clear for *Epidendrum vagans* of Sched. Orch. 6(1923)76. You made use of this number twice. No doubt about that, because I am a queer old dog, and I preserve the data-slips that you take so much pains to write out for me. Although I copy the sum and substance of them on the regular labels, I must keep them because they represent a human touch that gratifies me. In my letter dated November 16th, I gave you the name of your 506 as *Eriopsis Wercklei* Schltr. Your 483 is an orchid, after all. But the flowers are immature. It would seem to be a close ally of *Lankesterella*. I hope you will find this again in a more advanced condition of growth.

Additional bottles went to you over a week ago. But please supplement the flowers in alcohol with dried specimens. The herbarium, after all, is permanent and its records are sacred, while the specimens sent in alcohol sometimes perish through neglect or get lost. I wish you could dry specimens without too much trouble. It seems a pity to iron them. If you find a hot place in which to deposit your press, the specimens dry pretty well if you change the driers a few times. At this stage of the undertaking, quantity rather than quality is important.

Mrs. Ames is making a drawing of Pleurothallis Lankesteri Rolfe, for Sched. Orch. 7. We have about 39 drawings of Pleurothallis ready for publication, most of them Costa Rican species that you have contributed to the herbarium. I have been holding off on the printing of this series, as I have some new species to propose and I want to see what Schlechter has done in that often promised, long delayed magnum opus of his, before I commit myself to print. It is really a shame that two of us should be working up the same group for the same country at the same time. I have about concluded, however, to push forward and run the risk of being beaten to press.

You refer in your last letter to means of longer exploratory trips. Surely nothing would please me more than to stimulate such trips by means of substantial contributions. Let us have something to say about this. Suggestions will be welcome and will find a warm reception here. I am really fascinated by your Costa Rican orchid flora. I want to make a thorough study of ^{it} them. If you can ~~tell~~ ^{help} me "more fully", and really want to bring joy to an enthusiastic student of the Orchidaceae, then the farther afield you go, the greater the chances for novelties. Perhaps we can add a few more gems to the realm of Lankesterianae Orchidaceae.

I am rather surprised to find that Panama and Costa Rica although simply geographical names have so far yielded entirely different species. Of course, there are wide ranging species (these I take it you avoid), but aside from these, the orchids of Cartago and the "hills east of Panama" are entirely different. This is interesting and very significant.

Mr. Chittenden has promised to help Standley in every way possible toward a good haul of orchids. When Standley arrives, I hope you will smother him with specimens, allowing him just

enough breath to do his work well. I am counting heavily on the results of this coming winter.

Just at present I am pushing ahead with an enumeration of the orchids of Central and North America on much the same lines that I followed in my work for Merrill's Enumeration of Philippine Plants. I am simply overwhelmed with surprise at the indications. Just for a list with bibliography and geographical data, I am afraid one thousand pages will be insufficient. Is it not wonderful how the laws that govern our destinies, deter us from attempting similar tasks? I suppose the dear neighbors have little or no conception of the pleasures that a poor fool such as I appear to them to be experiences in the tranquility of the stuffy herbarium where dried plants are counted as so many precious possessions. And then, when the game is over, and the toys are tucked away, the heads that shake when so much wasted time is contemplated, are on the shoulders of other fools.

I think I have finished with everything you have sent in. If I have failed to report on any of your numbers, send me a list of them and I will report. Sometimes I file specimens away before I enter their names on your record-slip. The new things you are able to follow in that little journal which has done so much to identify you with the flora of Costa Rica.

Please send to me more explicit data about that camera for which you desire plate holders(?).

The evening has simply gone.

Yours faithfully,

Robert L. ...

(A)

355 Commonwealth Avenue, Boston, Mass. Dec. 11, 1923.

My dear Lankester: I have just returned from Philadelphia from a meeting held in celebration of the birth of Joseph Leidy. I went as a delegate of the Linnean Society of London. At the Academy of Sciences, I met Dr. Rindge(?), Secretary of the Academy, who referred to you with admiration in his voice when he described your skill in the field. I must allow the lure of the tropics full sway soon, and discover for myself, the man who stimulates delightful thoughts in those who have met him.

There is not much to report from here. I wish, however, that your diligence gave me more opportunities to serve you and to make long lists of things.

Three subjects keep you pretty much on the alert these days: the soldiers' bonus, tax-reduction and the German mark. When these subjects fail or get talked out, there is always the rum-fleet, the bootleggers and the evils of prohibition to carry on the entertainment afforded by social gatherings. Do you wonder that a package of orchids from Lankester is an acceptable diversion for a winter evening.

The portrait gallery of *Pleurothallis* is progressing slowly, and is about ready for publicity.

Yours of the 28th, November has just come in. Of course, the paragraph that held my attention closest is the one which refers to your willingness to go out of your way to help me. When I see Mr. Cutter again, I will pop the question about a railroad-pass. In the meantime, use the small sum of fifty dollars enclosed in this letter.

Now, with regard to Stork's *Epidendrums*. They are two species that you might easily pass by because of their resemblance to *E. difforme* and *E. paranthicum*. The supposedly new *Stelis*, turned out to be *S. cucullata* Ames. This was collected south of Catago.

Why not send me one of your camera slides as a sample. I will try to duplicate it or have new ones made for you.

The photograph of *Odontoglossum Kramerii*, is a dandy. This will make a valuable addition to the herbarium. But above all things, I like to have a dried flower or two to complete the record. Please make a note and hang it on your shaving-mirror. Ames wants *Odontoglossum Kramerii*

You speak of a *Pleurothallis* that is too fragile to press. Perish the thought! Just place it between driers in a folder. It will come out all right. If you had mentioned *Stanhopea* as too fragile to press, you would have received words of sympathy.

If this letter reaches you at Christmas time, read between the lines the best wishes in the world for an ideal tropical holiday. I passed my one and only Christmas away from home, in the tropics, on a lonely trail in the mountains of Brazil. I remember the day clearly! My Christmas dinner consisted of chicked buried in cassava meal, wrapped in a news-paper. That was the expedition on which I discovered a little *Tetramicra** that had been "lost" for thirty years. A few days before I found it, Dr. Loeffgren had shown me a delicate watercolor sketch of it, as he told me how the only specimen had become lost in the mails on its way to Prof. Cogniaux. Jocularly, I told Loeffgren that I would find his orchid for him. When I returned to Rio along the above mentioned lonely trail, my progress was interrupted by a large tree which had fallen across the trail after I had passed on going up. On the trunk of the tree, on the side toward me, over the middle of the trail, I saw a small white flower. I had rediscovered Loeffgren's lost orchid.

When Standley arrives in January or February, I wish you would turn over to him many of the common orchids that you find it inconvenient to bother with. Standley ought to press all flowering species whether or not they are common. He is prepared to do this in my behalf. I regard Standley's expedition as an exceptional opportunity to enrich our knowledge of the Costa Rican orchid flora.

With the best wishes in the world for the Christmas season,

Yours faithfully,

W. C. C.

* *Lepidochloa*

Barbadoes.

12. XII. 23.

My dear Ames.

Twenty three years ago today, the good ship *Atrato*
(now alas asleep in the depths off the N Irish coast) left
Southampton with myself on board en route for ER,
& here I am still: but the hills & the woods are worth
while.

I send you by this mail, even with the hope that
some among them may add to the joy of your Ames,
20 number of orchids & will here recommend to you
special kindly consideration Nos 538, 39. 40 -
39 is a glorious *masdevallia* from Peralta (*M. costaricensis*?)
I have two small living plants from which to add to the
very scanty material now going forward, as bloom appears.
Many cheery little fellows have flowered in the absence of
bottle to pickle 'em in - the law of average works.

In the last lot of alcoholics, went a spec of
Odontoglossum Egertonii - now I see the *mesospinidium*
that occurs with it, is sending you a bud & this I
very much want a lead from you on.

Acineta densa has been in bloom, a very lovely sp;
but an impossible thing to press. I did not attempt it.
Do you want so vulgar an orchid as this? I'm your ast.
The bonniest local sp now in bloom is *Miltonia Andresii*;
& two curios in *Marodes callosus* & a *Cycnoche* are also
out.

With regards,

Faithfully yours

W. Hooker.

Dec. 16, 1925

355 Commonwealth Avenue, Boston.

My dear Lankester: At last, the Schlechterian promise has been fulfilled and the Costa Rican orchid paper is in print. Schlechter on November 26th, wrote to me that he had just received his copies from the printer. I have not yet received mine, but I have every reason to believe that the date of issue will not deprive us of priority. Schlechter expresses the opinion that his *Trigonidium Amparoanae* is conspecific with *T. Lankesteri*. At least we saved that noble species to mark your activities. I imagine other proposals made by Schlechter may meet with a similar fate, unless he has investigated a very different flora from the one that surrounds you, because Sched. Orch. contains a goodly number of new species that he may have overlooked in his studies or that he may have misinterpreted in his stride. I believe there are at least eighty new Costa Rican orchids in Sched. Orch., mostly the fruit of your discriminating and dainty selection from the lavish feast at your door. Now I want to bite you, because you were not more diligent. But, for what you have done my gratitude is immeasurable. I am mindful of the great service you have done in my behalf and I realize that there was no need for you to regard me as anything more than a pestiferous nuisance; a botanical mendicant reaching out toward you, a greedy hand.

Just as I finished the last line, Schlechter's classic arrived. It bore postage stamps to the amount of 80 millarden marks, (more money than there is in the world, ~~taking the mark at present~~ values.) Over 300 pages. I have not yet counted the number of new genera and species, but I have noticed that, with few exceptions, none of your species ~~are~~ listed as having been found by Schlechter's collectors. Now, this fact gives rise to shocking suspicions, unless every little nook in Costa Rica is a hot-bed of endemism.

Now that the veil of obscurity is lifted from the Schlechterian promise, the mists of ambiguity are beginning to settle down in my herbarium, and my life in the immediate future will be devoted to painful gropings to find my way to the light. I cannot send you lists of determinations with that promptitude which characterized the recent past. I must first build up again my poor herbarium to complete efficiency and interpret Schlechter's monograph by a consistent investigational campaign and perhaps by a visit to Berlin.

Well, let us push ahead. Help me with your energy, and as the New Year comes in, make a resolve that you will think kindly of me and cheer my spirits with an occasional reminder of the Costa Rican wilds.

Yours faithfully,

355 Commonwealth Avenue, Boston, Mass.

December 18th, 1923.

My dear Lankester:

A package of mailing-tubes came in yesterday afternoon. I have not attempted to locate the *Sobralia*, because flowers without herbarium material of the vegetative parts, are wholly inadequate. In this genus the surface of the stem, for example, is important, and one cannot describe a new species from incomplete specimens. I hope you have made herbarium records of everything sent and that I may have these records when they are ready. Your note promises the *Sobralia*. That makes me very happy.

There are one or two interesting remarks to make: Among the *Pleurothallis* specimens there are two which gave me real pleasure. These represent species of which the types are in the Kew collection, execrable specimens of herbarium technique. 523 is *Pleurothallis cerea* Ames; 530 is *P. crescentilabia* Ames. I am overjoyed to have these, as my records consist entirely of drawings made from the types. Please dry specimens for me. If you dip the vegetative parts in boiling water, they will be come pliable and when put in press will dry out quickly. Although illustrations of these species are ready for publication, I intend to make additional records from the liquid material.

I would bless you if you will experiment with *Eregea amabilis*. A clear photograph would be a wonderful aid in the herbarium. I would suggest drying the flowers before placing them in press. Perhaps it would be well to try drying them in hot sand, and then after removing them, if they were exposed to atmospheric moisture, they might dry in the press without breaking up. Flowers in alcohol would make possible a thorough study of several points which are now obscure. This species, as you know, is extremely rare in herbaria.

Schlechter adds 7 new genera and 249 species to the orchid flora of Costa Rica! I have compared the recent novelties that you have sent in (the nucleus of Sched. Orch. 7), with Schlechter's proposals and cannot match them with anything he has described from La Palma, San Jeronimo, and Tablzo. For example, Schlechter does not report *Epidendrum incomparum* Reichb. f. among the species sent to him by Werckle, Brenes, Brade or others. What this means, is a question that may well give rise to deep interest.

I realize that error is an insidious trespasser and that absolute accuracy where personal opinions are uppermost, is quite unattainable, but I begin to fear that Schlechter is really very careless! I reported to you that your 403 and 503, were *Maxillaria microphyton* Schltr. Among Werckle's specimens I have a plant that Schlechter has determined as *Ornithidium parvulum* Schltr. This is a spot match for your 503. Fearing that I

had made a blunder in my determination, I examined into the question and found that Schlechter's descriptions of Maxillaria microphyton and Ornithidium parvulum were almost word for word and measurement for measurement, the same. Then I discovered that the types were represented by the same Tonduz number and came from the same locality on the same day. I leave to you the pleasure of drawing your own conclusions. Maxillaria microphyton stands, as it is my opinion that it represents Maxillaria and was published prior to Ornithidium parvulum.

I reported to you that your 519 was a new species of Hexisea of the section Fractunguis. It would seem that Schlechter has beaten us to press with this. He has called it Fractiumenis anniculatus. I am not yet sure that it is wise, however, to take up this new genus.

Your letter dated November 30th, has just come in. I dislike to spin out this writing to extraordinary length, but I may as well take this opportunity to answer your questions. Lecanthes Bradei and L. micrantha are distinct species. My determinations are, I think reliable. The Telopogon situation is as follows: I have leaned toward the belief that T. Biolleyi and T. Endresianum, represented a single species. Recent studies have made me think that perhaps they are distinct. Your material represents T. Endresianum. Now, Pleurothallis Lankesteri Rolfe, is structurally the same as P. stenostachya Reichb. f. It is also the same as P. myriantha (I have a duplicate type in my herbarium). The purple lip of P. Lankesteri is, as Rolfe stated, different from the yellow lip of P. stenostachya. Schlechter has taken up P. dubia Rich. & Gal. for this species, but it was published in 1845 while P. stenostachya was published in 1844. Perhaps the Rolfean proposal might be kept as a variety. I have collected what I take to be the typical P. stenostachya and have always found the flowers pure yellow. I have studied the whole range of proposals from P. dubia to P. minutiflora Wats., and I agree with Schlechter that they represent a single species which ranges from Mexico to Panama.

These long drawn out notes may bore you. If they do, hesitate not to tell me so in plain terms. You realize, of course, that as the days of critical study pass, many discoveries are made that assume large proportions in the mind of the student. Unless he holds himself well in hand, he suggests the old barn-yard rooster who flaps his wings and crows outrageously loud when peaceful folk want silence, or at least uplifting noise.

"Oton" has not sent me a scrap. I think it will be wise if you remind him of my needs and accompany him to the post office with the package.

Loads of good wishes!

355 Commonwealth Avenue, Boston, Mass.
January 6, 1924.

My dear Lankester:

A letter from me might be more welcome if it contained a goodly number of determinations based on your Christmas package, but as it will take some days to finish the job in hand, I am writing to inform you that the twenty specimens are in hand and are already mounted. #551, for which you proposed a name (*Epidendrum gracillime*) is *E. centradenia* Reichb. f. I am always delighted to receive material of this species, because it is one of the chaps that varies mightily. I think it is Schlechter's *E. tenuiflorum*, and is the possessor of a rich synonymy. 540 is a new *Scelochilus*. I may call it *S. Lankesteri* if it proves distinct from *S. aureus* Schltr. from Tablazo. #541, correctly determined by you as *Sigmatostalix costaricensis* Rolfe, is a delightful addition to the herbarium. It is safe to say that this material represents the finest herbarium record of the species that has been made. The Kew type is simply a raceme. Schlechter seems to have had this species but once as he only cites a Werckle number from an unrecorded locality. My only material is from Powell. Schlechter is of the opinion that *S. costaricensis* is the same as *S. guatemalensis*. If he is not mistaken, then the species ranges from Guatemala to Panama. Your 534 is *Elleanthus capitatus* Reichb. f. #553, which you suggest is *Hexisea*, proves to be a *Scaphyglottis* and may be undescribed.

Pray save some flowers of *Masdevallia costaricensis* for me. This is a most rare species in herbaria. Until I receive additional flowers I will refrain from boiling up the single flower submitted.

Why did you send to me such a scappy specimen of #540? It will be difficult to prepare a satisfactory description in the absence of complete pseudobulbs and roots.

NOTHING IS TOO COMMON FOR MY NET. Do you realize that many of the common species of Costa Rica are only represented in herbaria by greenhouse material? And then again, the types of many species described by Reichenbach consist of flowers only. Every specimen you prepare is a distinct contribution to the records on which floristic work is to be done in the future. Bear this fact in mind when your inclination is strong to avoid the trouble of saving some of those little things that appear in your collection, or attract your attention when you are afield.

Dr. Standley will be with you soon. By the time this letter reaches you, he will be making preparations to leave Panama.

With the best wishes in the WORLD,
Yours faithfully,

Carap.

S. I. M.

my dear Ames,

I hope you have heard that our R. R. has been all shot to pieces by a spell of real soft weather, hence infrequent mails. I am hoping the last lot of specimens got safely through to you as there were one or two very fresh ones among 'em.

The mail for 3 weeks a fortnight has brought me three from you, dated Dec 11th with enclosure \$50, - Dec 17 + 20. Thanks for each & all & the lucre will provide many miles of wandering in CR, you know I am not exactly destitute; but have just had a very bad financial year, our coffee was a washout, & the 5 kids at home just about ate up my spare income, three years ago I could not have needed to scrounge, but to do any extensive bush-whacking I have had to hit you up.

I hope to go to the Nicaraguan frontier next month & try the ranges, Sanchipelin up to Oroci (not Oroci which is near at home) & hope also to make the isolated cone of the Arenal, which may well prove interesting.

I am hoping soon to see Schlecter's way of my casual glimpse at Brene's duplicates from the Central Pacific zone showed me all the familiar genera in unfamiliar species, CR is certainly very rich, but I feel certain also that excessive ^{vegetation} interference & the insect depauperation has led to the erection of species, I am sure Schlecter's will stand much filtration & compression.

I have some *Stenandrium* stuff in press for you, but good in many in, the day I went up to *Admeto-Orestes* & found a lot of *Botrychium oligoneum* from strong.

Ojo!

of two charming mountains of E. of Andres in Odmto Orestes.

Mention of Andres reminds me that I have had lent to me this week, his copy of *Recht's Beitrage* 1866, signed in beautiful running hand "Andres 1870. Costa Rica, given to me by Prof. Recht." etc.

It would be splendid to see you here; but is there not possibly another country with greater opportunities, how about Ecuador; Nicaragua may not be overdone, Schlecter has had a very active correspondent in Peru I believe, another spot that sounds good is that stretch of country that will be opened up by the new R.R. from Iquitos up to Potosi, Colombia.

That is a great piece of work of yours on Kroatia, your recent reminder of a year spent in Brazil reminds me of wandering that I was quite unaware of, poor old Rolfe was hoping to get a tropical trip even in his sunset days, or that was indeed tragedy that cut him off when his dream was so nearly materializing.

My # 523 should be a repeat of *Stelis Lancasteri* at least it is from the same plant, unless something has mixed itself, see my sketch, anyhow it is a livid flower & not tripartite as are all the other *Stelis* I know. 530 I have in cultivation & you shall have the stem & leaves some day.

Dryas amabilis, can do, only a question of patience. Here with a teratological *Cypripedium*. Cyp. *Flamingo*, high (Blenheim coll) Cheris & regards C. Lancaster.

I called, with Olvi Jenkins, on Mrs Zelenin on Saturday, it seems incredible that the dear old chap ~~was~~^{who} seemed to be an integral part of the Detam, shall nice again to see strolling round his garden, we were friends of many years standing, he was a very keen ornithologist & birds were my first love here, so he was always a guide to my early enthusiasm & to the last loved to chin over old woods reminiscences, I don't know if you saw them both on your flying trip, Rott Ridgway of the Smithsonian was a lifelong friend of Zelenin & will miss him intensely.

Schlecter was lucky to enlist Anna Ampara's interest, I feel regretful to think that my ^(young) Dryinidium may cancel her, yet shall we put it against the Enopsea which I believe was from the specimen I gave her in 1903. & dedicated to that drunken blackguard Werckli.

The camera - well, I took this home in 1920 & was told that slide was unobtainable, yet I saw Clark, when here, using, in a larger size, the very same sort of slide, hence my O O O. the tube itself is antedeluvian but quite efficient, I have two plates in the only slide remaining & will avail myself of your kind offer & send it for copying, when there are exposed.

Yesterday a very attractive Maxillaria from Peralt's opened its first flowers for me, I think it is M. sanguinea, ps. bulb small ovoid apiculate with a long slender terminal leaf (framiphris)

This is a great floral time, & herewith a representation

Cartago, C. R.

16. I. 24.

My dear Ames.

A note of salutation, just to show you the
fame rolls on; the day before yesterday a
visit to the edge of the Ujón's valley, locality
the wind swept hill called El Calvario, resulted
in a few things, ~~for you~~. In desperation I am
preserving some sterile things for you, no
doubt cuss as flowering ones may be expected in
due course.

What did delight me was the curious little
plant thereunto, no flowers beyond the persistent
but sad remains attending in the swelled ovaries,
this little thing grows on the lichen-covered branches
of *Byssomyces crassifolia*, & I have not encountered it
previously, seven or eight plants are now in the
back yard & it is to be hoped may some day be
caught in flower. I have no idea of the genus even
& await your diagnosis with much interest.

Dr Schlecht has asked me to send him duplicates
of several things he has mentioned & I have so
sent him 5 or 6 species, it occurs to me that
in future I will lend this to you as it is
probable that you send him such from time
to time. I have dried for him a spray of
Pleurothallis grandis (Rocq) & will enclose

this for you to send to him in due course if this is agreeable.

The Bongora is the upland sp., this came from Qirsi at 3500 ft., an uncommon height for this to attain, it has a ravishing fragrance, another spray is in process of formation & will be preserved for you.

From a recent letter I judge you think me very slack, as you see the wealth of material Delectus has received; but you must consider that Ben Zedini has been very active & has pulled many strings, beyond this, Alberto Brenes as botanist of the Museum has done nothing but hunt orchids, at the Govt's expense, ever since May 1920, I was absent from this country for two full years, which might have yielded me good results had they been spent here.

Delectus has sent me his paper of Nov 21. 23 but the pages from 1 to 145 are missing evidently lost in transit, from what I can see, he is creating a mass of synonymy. One thing is certain, that as you say, much local endemism obtains here, & my paths have seldom crossed those of Delectus's collection, except the two brother Brade.

One to go to bed, the other do-pranny I have folded & enclose herewith, is a common species in the open country between Carapaz & Paraiso, is it an Isochilus? I do not remember its flower, am sending you a specimen next week, don't be impatient, I have a lot of stuff in cultivation for you.

Yours

Faithfully yours C. S. Gentry

Casap.

25. I. 24.

My dear Amos.

interrupted &
continued 26th. →

This afternoon brought your two delightful letters of 6th & 8th respectively of this month & I appreciate very highly your prompt & efficient replies, and cannot but regret to some extent that we have not made connexion some years ago, & have been mutually helpful.

I had the very great pleasure of taking Arthur Hill up the Carpenters two days ago & then down here for a cup of tea & a hasty glimpse at the orchid garden, very nearly had a tragic mis like yours, as his steamer came in a day ahead of expectation & had I known in time, the trip he so much desired up Dozai, could have been arranged easily, well I showed him some of the upland ferns he loves & also we had the good luck to find two trees blown down well laden with Stelis, Lepanthes & two Madevallis (caudata & astuta.) we saw also a few Ornithidium, Oncid atrorubrum & another species & other orchids not in flower, an enjoyable day marred only by the thought of a missed opportunity & yesterday, I hoped to have accompanied him down on the train, but as it was a special, the inexorable green-coated dragonman in charge would not let us on board & no higher official was available for appeal. I hear (of Fretche name) & Sir Arthur Shipley of Christ's were of the party & we had a joyous gathering at our councils in the evening.

11
have & I have mutual acquaintance in Africa, both human
& lepidopterous & it was very jolly altogether to see so
many "home-folk" up here.

10. 20 a.m.

(at this moment Oton advises Standley arrived tomorrow)
Now for a few comments on your letter.

Epid. Centradenia, is common around Carapaz & adjacent
districts; but seems absent elsewhere in CR, apparently
needs (like Otelia) extreme humidity for the buds to open.
is one of those Epidos that appears Clitogamous.

540 Polochilus - my one & only plant - you see I am
torn by two loves - well he is in cultivation & may yet
give you more adequate material, is growing well, leaves
are very succulent, I have never seen more than the one plant
& my locality is about 15 miles from the Jalayo, but is to
the windward & it may well prove to be J. aureus a very
adequate name by the by. pr #540

Mandevilla (Costariensis?) I have only Williams to go on,
now he cites M. Reichentashiana as an affinity, so if that
is so, what about the mysterious M. attenuata, as being
our Peralta plant, the "downy interior" certainly fits -
I have had only one flower, sent to you already, & will
certainly prepare any other that appears, for you, two
plants, both from Peralta 1000 ft are here in cultivation,
probably a rare plant & certainly the most beautiful of
our local Mandevillas. (I showed also to Arthur Hill my pet
tree smothered with M. diantha & M. picturata).

Now for yours of Jan. 8th. The pleurothallid of Cognianensis

affinity shall be sent to you in due course in quantity, on Tuesday I found a tree covered with it, not in flower of course.

538. If you describe this, note spelling of name Carago - a. note.

I thought this must be new

How for last number. 544 is Statenaria Jimenezii.

547 .. Lockhartia (amena)

550 .. Oncidium cheiroporoides #534 not sent yet.

(May this not be also Schlecter. O. Pittieri?)

548. Pleno gelida (quis gelida Steylen?) of this affinity a Pleno is in bud from the Carpenteria, that appears another species.

I have more than one sent living Epid otocum to Kew & am laying down a few at your request for old man Powell, but I don't think they will digest Panamian air.

It would be splendid to see you down here if you can stand rough quarters, here they are, for as long as you like.

I told you in a recent letter, I think, that Schlecter's localities - mine ~~are~~^{were} mainly different in your behalf, & if Standley comes to terms with Greene, you will find a range of duplicates with a possible few additions, from all the San Ramon Territory, (which includes another La Palma) & both Alberto Greene & Guillermo Alston have done their ranging thereabouts.

I hope to go with Standley to the Guineas range; but that awaits his agreement.

with warm regards
Faithfully yours
C. Standley

On Wednesday I rode to the alt. to La Sabilla, & got what
interesting plants I could & others this the day following.
One of the piliform *Polypogon* came to hand, which agrees a
different species from *P. lanceolatus*, much larger & more
obovate, more succulent also, though that may be the moist station,
altitude very much higher 6500' as against 1500'. Though the
species also has. I think, occurred at 4500'.

Treyer amabilis is very common at the two previous ones, on old
exposed fire banks, with an *Erigeron* of the *incanophilus* group. *Ellenburgeria*
(*brunneifolia* & other of) a true *Smithsoniania*, *fulgens* & another pale blue of
I brought him *Lophanthus* (*lanchei*), *elata* & a small one) true or true *Orthocentrus*,
Smithsoniania (*lanchei*), a *Synonymum* (*sp.*) *D. fulgens* & seen at the same
about 2000 ft. of *Spidanthus* *Sudanianus*; which delighted him & he is trying to
get a good portion home.
Feb.



a copy photo.

Stenopodisma.

Found at Les Combes. Feb 1920

on dead trunk of *Quercus robur*.

12 spms.

CSL

Lowry

Feb 5. 1924.

My dear Ames,

The two carton containers with the glass
plants arrived today & will soon be put to their
distinct use

I have found ^{in walk} several of my old Cacti
friends, on one of the northern ridges of the Navaho
hills, & in quantity too; Pleurothallis crescentifolia
P. hamata, P. immersa; Aspophyllum was in flower
& is abundant locally. The fragrant Trayacrisella
& Pleurothallis cuneata also were found. I am planning
to return soon to explore the ridge thoroughly as it looks
a likely spot. Stelis barbata I collected in flower for
you, together with a Stenodesmia that differs from the
large common sp. in leaf & bulb though the flower is
very similar, & is quite new to me.

What is the name of the genus of this little
monopodial orchid enclosed, this I am cultivating for
you, under flowering material from up, it is a very
common sp. of the region, but I have not come across
it in flower for years & years. I think it must be a
relative of the African Listrotachys

I had the pleasure also to find a fern for the first
time, viz. Ochizaea, though I don't know much about them
it is such a striking plant, apparently a young Carledonia

A few of the specimens are imperfectly dried,
will you let me know if this is prejudicial.

the first I saw was passed by on that account -
next week I must send you a photo of the road
which runs for about a mile on the eastern side of
this ridge. It would delight Bill Mason's heart, as
ferns abound.

Paul Standley brought me very kindly some
attractive plants from old man Powell, Chondrostyche
leptocaulis, I have often longed for, ever since
J. C. Hawley of Kerang, with a total loss of its beauty
a "ravishing perfume", he had the misfortune to lose
by theft from his room in the hotel at Colton the fine
plants of this species he had himself collected
somewhere on the Zone, also Adiantum & Oncidium
Powellii, I will bet a box of bursted balloons that
the first is O. Schlieperianum, the latter may be alright,
it is an unfamiliar looking plant of the maculatum type.

I could not meet Standley on the train, a previous
engagement most unfortunately prevented, or I have
heard nothing from him since his arrival.

Schlechter sent me his paper (Nov 25, 1923) but
most unfortunately it was very severely bodded on its
the post, the first page is # 145!

Thanks for the mailing lists again,

with regards

I remain

Faithfully yours
C. H. Sargent

355 Commonwealth Avenue, Boston, Mass.

February 6th, 1924.

My dear Lankester:

Your letters of the 16th, and 25th, January and post-card of the 18th, January, are all at hand. Just as soon as I obtain a breathing space, I intend to attack the specimens sent in butterfly-holders.

Your 550 is surely the same as Schlechter's Oncidium Pittieri. In this laboratory we consider this species and O. cheirophoroides Kraenzl. one and the same. As Schlechter's name is the earlier one, it should prevail. All things considered you will be on the safe side if you discard the Kraenzlin proposal. It all depends on how close you wish your conceptions to be to the present day artificiality of the extremists. If you are in search of broad and sane views, pass the word along and I shall be delighted to give you what you want. I am really weary of the attempt to see in every little quirk good reasons for splitting. As my old teacher, Dr. Farlow, used to tell us, when referring to the modern systematists: if they can see a difference, then a new genus is made; if they can imagine a difference, then a new species is described.

When we entered the World War, I did my bit by teaching military hygiene to the classes at Harvard, assembled under the Students Army Training Corps. Dr. Shipley visited the University at that time, and I remember that it was my good fortune to be his chauffeur for a forenoon. Your reference to his visit to you, brings back vividly those dreadful days of German folly.

I am delighted to have the good news that Standley is about to begin his Costa Rican campaign. If the season is at all good, he will, in the short time at his disposal make the work of Werckle, Brenes and the others look like a "tea party". He will also hand you the missing volume of Orchidaceae with the author's autograph and photograph conspicuous as can be within its covers.

Please send to me through Standley some samples of coffee for my Museum. The best and the poorest with intermediate grades. All carefully mark-

ed. I would also like to have some ears of native corn. And any other material of an economic nature.

Your kind invitation to visit Costa Rica as your guest has much in it that appeals to me. Who knows what the future has in store for you? If the weather we have been having for three days, continues I may volplane down to you. Sleety rain has fallen off and on, changing now and again to wet snow. Under foot the pavements are treacherous and deep in slush. A few days ago the thermometer went down to ~~+~~3 degrees F. and then, in a very short space of time ran up to 40 degrees. What a marvellous creature man is (to say nothing of the horse and the dog) to be able to adjust himself to such outrageous freaks of New England nature!

Powell keeps up his enthusiasm and now and again adds a new orchid to his beloved flora. I have in hand two mighty true photographs of the old boy that will find a place on one of the sheets of the herbarium, because I like to have such things to remind me of the collectors who have helped me.

In May I shall send to you a copy of the little book I have just finished for the American Orchid Society. This is entitled "An Enumeration of the Orchids of the United States and Canada." The contents may not interest you a bit, but as a specimen of book-making you will be pleased to add the volume to your library.

I am afraid I have failed to give you much that is solid in this this letter, but you may be sure that my best wishes go to you in your delightful Costa Rica.

Yours faithfully,

Charles Ames

Please use a black pencil when you write your labels.

Katayo.

Feb 14. 1934.


My dear Ames,

The 13th of February brought me the best of good luck in that Standley turned up having Vol 1, itself the precious hidden-treasure of your autographed picture.

This is most kind of you, I see you beat me by three years & I count myself very fortunate that the accident of sending Vol 1 at the first sending has led to this keeping of Pelin in Oss.

Standley is being hand-fed by the Govt & has two satellites in constant attendance, he has already come 3000 miles for you so that I feel sure he will clean up this country pretty extensively. I hope to go to Suvaacachi with him & perhaps to Ita manie after that, but my wife may object to a long trip away.

He has done ravens thoroughly at La Palms (San Jose) & is now in the Carpinteria. I hope to go to Estrella (Castro) to show him the region. Bill Mason is delighted in.

Nothing will remain for me to do, except very occasional visits. I wonder if you would care to attempt publication of a regional book for which I could make a series of topographical-ecological pictures, with perhaps photos of some of the rarer species. 

I have a flower of *Lobelia lanceolata* in alcohol for you
at last & the plant is growing strongly.

A sumptuous spray of *Cymbidium Panwelsii* nodes
just to my left so I write & behind it one of the last
Catt. *Drainae* is standard-bearer to a big *Vanda* *maris*.
This latter appears very highly of Costa Rica & grows
properly, the only one of the *Vandas* I can grow to any
perfection.

I won't repeat with my own photo. You would
never write to me again. yours is delightful possession.

With warm regards,

Faithfully yours,

Wm. L. C. C.

I hope the last packet reached you intact, the
Camaridium? with wine purple flowers is a lovely
plant in nature.

CORREOS DE COSTA RICA

OFICINA DE Cartago

(¹) PAQUETE POSTAL POR DESPACHAR NO. 116.

Remitente C. H. Linkster

Destinatario Dr. Parker Ames

Destino 355 Commonwealth Ave.

Boston Mass USA

Contenido Plantas

Peso en kilos 850

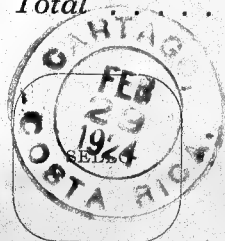
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El Administrador,
Whitton

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(1) La serie de los paquetes debe empezarse trimestralmente con el No. 1

(2) Véase tarifa publicada pág. No. 94 Boletín Postal.

Received March 11, 1924

Baraj. C. R.

1. III. 24.

My dear Ames,

I hope the mailing tubes proved to your liking, you at least found that the curious intricacy of was not a Loekhartia, as you surmised from the haulin some time ago, it is a weird beast anyhow & is very common in open stations from Cañon to Peraltá.

I go to Oriz, a fine & rich locality with master Standley, on Thursday next, on Tuesday I had a good tramp with him & he seemed to approve of the fare provided in the orchid way.

Our walks finished at Lago Cincaron & quite a few interesting species were in evidence, the western end of our lagoon is just allagay with Ep. radicans at this time of the year, plenty of that very feathery Stachnaria repens also.

Standley is very thorough & you will not need any more material from me after his quartering of the country, (if by any chance he does miss anything, you had better ask me for it by name in case it can possibly be found.)

#680 to 684 Alcohol specimens. 680 is an attractoid species, this I have had in cultivation a long time without result; but had the luck to find it in flower. found on same stem.

I suspect it to be a common sp. at 6000 ft., south of Casap.

681. The flower of your Loxanthia Lankesteri (San Carlos).

682. I infer is Headsollia cupulata, not seen in flower before.

683. Already referred to, a curious plant.

684. A tiny Pleurothallis, common on either slope of the Carpiñero. 5000 - 6000 ft.

& with this goes a single flower of a curious woodland Headsollia from Hawaii.

Dried material of these, except 681, will follow in due course.

One of the best sites remains unoccupied, I could wish a few were available for the Dins trip, which is bound to be a very productive journey, I recollect some very attractive Pleurothallis there, of course & strong similarity obtains to the Peralta region, of sp. of floral value Strimleya Burtii has been found there, this I have not collected since 1903 myself & have only one fair plant in cultivation.

I had 8 plants from Assam this week & the poor shrivelled deers are objects of great devotion, 6 Dactyloctenium, 1 Cynoid & Dend. Piesardi, this latter, will I know, disappear very highly of our Casap climate.

Palawan.

Faithfully yours

C. L. Hutchins.

355 Commonwealth Avenue, Boston, Mass. March 23d, 1924.

My dear Lankester: I have been so busy with sealing wax and things, that I have found very little time in which to trouble you with my personal record. But, out of the scraps of time I have been able to give attention to your collections and in this letter I submit for your consideration the result of my industry.

560. *Pleurothallis crescentilabia* Ames. 558 *Platystole bulbinella* Schltr. 557. *Epidendrum trachythece* Schltr. 556. *Mastovallia erythrochaete* Reichb. f. 555. *Epidendrum Stamfordianum* Batem. 582. *Stellilabium* sp. nov. More material please, And does the skinny beast ever clothe its nakedness with leaves? 570. *Hoxisea* sp. n? 580. *Hoxisea* sp. nov? 581. *Epidendrum* sp. nov. probably. 562. *Elleanthus* sp. nov. 564. *Pleurothallis monstrabilis* Ames. 566. *Epidendrum* sp. probably new. More material with good flowers sadly needed. Go fourth for it. 565 *Stelis* sp. nov. 567. *Cranichis Curtii* Schltr. 568. *Stelis parvula* Lindl. 569. *Stelis nomala* Schltr. 573. *Mormodes Buccinator* Lindl. 577. *Pleurothallis testaeifolia* Lindl. 572. *Stenorrhynchus* sp. nov. 575/ *Campylocentrum Schiedei* Benth. 573. *Sigantostelix macrobulbon* Kraenzl. 563. *Camaridium* sp. nov. 571. *Ornithidium* sp. nov. or probably *Camaridium imbricatum* Schltr. It would seem that *Haxillaria*, *Ornithidium* and *Camaridium* ought to be put in the same bed. 576. *Pleurothallis sororia* Schltr. 579. *Epidendrum teretifolium* Sw. 684. *Pleurothallis ujaronsis*. Jucosal, January 18th. *Pouhinea racemosa* Mohr. There you are!

Schedulae Orchidanae will see the light next week. I intend to send to you several copies with the understanding that you will pass one along to Mrs. Zeladon. This damn thing really appeared on the 20th of March, but the plates were horrible, & ~~THE~~ I had to have them done over on a different paper. Now, is not that an argument that tends to prove that I am a conscientious fellow?

From Standley's post-cards I am led to believe that I am in for an orchidaceous avalanch in the near future. Why do you let Standley gather in so much as a visitor, while you, on the spot, have a perennial opportunity. In one of your letters you suggested that we might work up some distinct region. Go to it. I just revel in the thought of such an enterprise. If you comb the trees and ground of some classic spot, we shall be able to add a few more pages to the unclosed book of orchidology. But, to make any headway, you must be willing to forego your dainty and dilatory methods. Do you mind that unkind thrust?

I am having a difficult task finding camera slides for you. They dont make those any more of which you sent a sample. (Pardon the construction. The type writer sometimes takes on life). If you have any suggestions, please make them. Because in our proposed campaign, a good camera will be an indispensable weapon in the field.

From the South of France, Col. Godfery writes that Schlechter is seriously ill. This information came as surprising news. I have not heard from Schlechter for over four months, and I had begun to fear that he was angry or in some way provoked by some act of mine. My letters have remained unanswered, and Mrs. Schlechter has not taken the trouble to keep me informed of her husband's condition.

Fowall writes to me that his last expedition was a botanical fizzle. Poor old Boy. He seems to be in hard luck just now, and I think his failures hurt his feelings more than they hurt mine. From an examination of his collections and of yours, it is very evident that your field is richer in exciting finds. Your 582, for example, is a beast. You will do well to study its vegetative history and pass along to me the results of your research.

Did I ask you to send me good specimens of coffee for my Museum, botanical as well as economical? I really need your assistance in this direction and I had it in mind to put my wishes before you.

I see the end of the year coming up. As I must not attempt to fill another, I leave you at this point, feeling very much indebted to you for your kindness.

Yours always faithfully,

NEW YORK OFFICE
THE ENGINEERING FOUNDATION
33 WEST THIRTY-NINTH STREET

NATIONAL RESEARCH COUNCIL

ACTING AS THE
DEPARTMENT OF SCIENCE AND RESEARCH
OF THE

WASHINGTON OFFICE
MUNSEY BUILDING

COUNCIL OF NATIONAL DEFENSE

BOTANICAL RAW PRODUCTS COMMITTEE

BUSSEY INSTITUTION, FOREST HILLS, BOSTON, MASS.

Acarreo de leña — Costa Rica



7 * 25

Mr. Charles Ames,

355 Commonwealth
Ave.,

Boston,
Massachusetts,

E.E. U.S.A.

2-4-24. Here finally speak my
kind wishes for the time, I certainly
again may be first good quality
Region - in Palma and get
only 30 numbers of articles but
not left many species. So we
may have a few specimens
today or get better. This is a
major strength of place for
which is the first of all. I would like
you might get the base design of the
archival form. P.S.

Castap. 32.

U. IV. 24.

Dr Oakes Ames.

Boston. U. S. A.

My dear Ames.

Evidently you have been somewhere "on
Japan" as my last two sendings have not
provoked receipt. I hope they did not go astray.

I send 5 "alcoholic" by this mail & may
venture a few remarks on them: —

685. In the possession of Frank H. Cox, now our
Consul in San Jose, is a photo that belonged to
his father, apparently of this species of *Istralia*,
which is named *I. Cosciana*. The old man was
much interested in orchids & presumably sent many
specimens home. I am unaware how this name was given.
Have you any record of such a species? Endres gave
his signed copy of the *Batrach* (1866) to Mr Cox &
this I have borrowed for the time being, & I have
imagined that he perhaps so named the *Istralia*.

This is very common in San Carlos, Parapaguiri,
& I think also in the coastal district near Limon.

The lip is sometimes pinnate.

686. a very ugly reptile, the ugliest species of our
hedgehogs. & very common South of Castap.

(Frederic Cox)

687. I believe to be your *Lepanthes Sanchezii*.
- 687^a. The common *Restrepia* of Navarro etc. one flower sent to be followed later by fuller material.
688. I am not certain ~~that~~ sent you this previously. I recollect a species much like it at Cascajal & La Palma, where it is much more abundant than in our localities.
689. *Lepanthes*. of this quaint little succulent-leaved species I sent you a piece in a letter, a very smooth leaved plant. Standley tells me he also collected it.
690. *Stelis*. The largest species of our region. That is vegetatively. Flowers relatively small & an ugly kind purple.

The seismic storm that the 14th of March started seems to be subsiding, yet the daily uncertainty prevented me from accompanying Standley on any of his trips away from home, this I regret very greatly as you may imagine, & especially I had hoped to go with him to Duris & Peratta, it was a splendid opportunity to learn a little of our local flora & Standley is a first rate field botanist & companion, well I had two good days with him & am grateful for that privilege.

The museum proves that he, object to Brems selling material, which it is evident he has accumulated

which workmen for them. I think they are quite right in
this attitude & one may hope his spare material
as well as any deposited in the Stereum may
soon reach your hands. It is evident that Schlecter
has had a deep draft at this point though.

Well, I have not been enabled to spend
any of your \$50 yet, nor shall I do so until
the "quakes" outside & my spasms' tranquility
returns, not that she is at all "scary" yet you
know the comfort of just being together don't you,
earthquakes wholesale, even if microcosmic only, are
disquieting things especially to the imagination.

I had the pleasure of seeing a "dude"
Laddie from Washington, Mann, who knows
you, & we made with two friends of his, a
small onslaught on the Capitols Sunday last.

A jingous till.

With regards,

Faithfully yours

Chambers.

355 Commonwealth Avenue, Boston, Mass. U. S. A.

April seventh

1 2 2 4

My dear Lankester: I am sorry that you have found me to be a poor correspondent of late, but the truth is I cool my fires by trying to heat too many irons at one time. It is impossible to forget you, because you ~~will~~ have the delightful faculty of submitting outlandish things to keep my mind on your existence. By the time I finish the task of describing the new species sent in your last package, another volume of the *Schedulae* will be ready to bind up.

That *Epidendrum* you sent in a large envelope proved to be *E. prostratum* Schltr. I wish you would send me some of this when the flowers are a little less mature. It is a rare thing, and I should like to have the pleasure of publishing a plate of the species. Perhaps you will be good enough to prepare a specimen some day with the thought uppermost in your mind that the success of my plate will be helped by the perfection of your part of the work.

The *Oncidium* submitted for determination by your friend, is a puzzle, indeed. If it is a common thing, as you intimate, then take a complete specimen and let me have a fair opportunity to locate it. The shouts of rage that go up in this laboratory when species of *Oncidium* come in ought to be audible in Costa Rica. It sometimes seems that this genus is worse than *Stelis*. And that is a mean thing to say about any organic complex. I am beginning to wonder if we have not drawn the lines between *Oncidium* species a bit too fine. Would it help matters to broaden our conception of specific limits? Old Kraenzlin's monograph is about as useless for the job of identifying *Oncidium* species as a sieve for holding water.

I expect to leave here on Wednesday evening for Florida to be gone about two weeks. How I can spare the time, I do not know, but I suppose a little change will help to feed those fires I have mentioned above and add a little zest to a job that is just now becoming obnoxious.

I suppose Standley is on his way home with a steamer load of the Costa Rican flora.

Yours faithfully,

Cantop. C. R.

11. IV. 28.

My dear Anne,

Today has been saturated with pleasant orchidological occurrences. In sequence, a visit to the station & on Paul Mandley off en route to Panama, he took with him a basket of plants to the stamens ancient, CWP, a small Catt Skinneria alba in flower, Miltonia vexillaria, in bud, Brassavola Digbyana, Masdevallia acuta, Calanthe Wm Murray, & on your self, some fat Epidendrum obscurum. & I hope they will travel well & cheer the old boy up.

On his train were don Amparo Zaldon & Anastasia Alfaro & we all stayed chatting till the train pulled out, when the aforesaid pair had a visit to the studio of the sculptor who is fashioning a bust of don Jose. q. e. p. d. & later they came around for a hurried glimpse at my plants, ^{humid} owing to sad necessity of return on the 1 o'clock train, however it was a delightful pleasure as neither of them had honoured us with a visit before. Then we had a full & interesting mail from home & my after dinner visit to the P. O. resulted in receipt of the 4 copies of #7. So very many thanks, I will send don Amparo's copy by safe conduct or take it myself. It is a splendid paper & I cannot adequately express my appreciation & gratitude; at least indeed, very keen delight in having been able to contribute a mite to so thoroughly satisfactory a production. The illustrations are beyond criticism or praise

Pleurothallis humanized! Well, this is a most extraordinary country & I know you will find stacks of new things in the glutinous feast of work ahead when Standley weighs in with his collection & etc in spite of Rudolf, those of Alberto Branc.

I have been prying in cultivation, 3 species that I suspect strongly of 'Newness', besides a fair number of comparative rarities. A tiny *Pleurothallis* from Peraltá I will bet on, even to my shirt. *P. pompatis* is a surprise, that such a species should turn up on the mountain slopes of the Carpineros is really outrageous. I have it growing strongly here.

P. Carchensis is a long regretted friend, & I hope to return to its habitat some day, it is invariably pendent & apparently very local & rare.

P. palliolata is common everywhere at 6000. fms in rain forest. I took *P. saccata* & *P. praegransis* to be synonyms, & think one of my letters to you stated this somewhat intolerantly, well ~~that~~ is a tempered retraction; as Standley collected several times in their haunts, complete verification will probably be furnished by his material.

P. Rowleyi, a species much resembling this has just been in flower on the Sthella ridge & is going to you from I & myself. I have not received advice of arrival of my last two sendings & hope they connected, next mail will take 6 intricates (provided they go in formalin this time) & a few dried remains.

Hemilitia Landsbergii What is this apocryphal thing, can you send me a sketch of its flower or tell me what it looks like. *Polymeris* I know. *Papilionia* aside was sent with me,

but I refer to beher in Hamilton. Localities? probably
if come from some of the western ranges, my experience of
Costa Rica is really very limited, interior rather than sites etc.

Well I'll dry up, goodnight & ever so many thanks

Yours very sincerely

Ch. Lankester.

It was delightful to meet even for so short a time Mann
the economic dunder expert from Washington, he is a great
field man, we had Sunday on the Carpenter.

Dr Oakes Ames.

Boston, U. S. A.

since taken as over. year of 23rd present & hand.
577 Pleurothalis festae Jolia !!!!!! & noson.
Cryptophoranthus. go look see.



Indian pottery.

COSTA RICA

América Central.

----- Fotografía M. Gómez Miralles, Costa Rica, C. A. -----

Carta p. C.R. 12. IV. 21.

Tris you can return the note
to #477. This has been placed as

Er. longamentum at a previous writing,
now in Ad. vol. 9. The new Er.
circinatum also bears this number.

Another set of this convictum likewise
occurs under Cardig's & Staudley
loc. i in your.

Er. bellatissimum is very common here,
& Roxy labelled it in calatrinitis, with
very narrow & specific. Ar. laevis Ord.



Dr. Oakes Ames.

351 Commonwealth Ave.

Boston.

C. E. U. U.

Cortez

18. IV. 24.

My dear Amos,

Further consideration of your grateful favour of March 23^d prompt the following:

582. *Stellilabium* - truly a fearsome vegetable reptile.

I found the two you have & one other left growing, on the day I devoted to searching for interesting matters to lay before Arthur Hill, he wished to attempt getting them alive to Kent; but as the odds were all the more to an orange jupe against this being done successfully, I defended them for you. Standley will tell you that I led him direct to the lair of the remaining specimen. Then decreed a brown of stem so that you will find at least 2 of these venous epiphytes among his treasures, as I also collected one for him at Concepcion. (*S. lanceolata*!) I think neither of these are common, they evidently bear a few leaves & the flowering stem seems to be a sort of phyllocladus peduncle (you must forgive this), however I may run across specimens that will prove its mode of growth. *Stel* is very common at La Palma. 597. *Stenorrhynchus* - surely not new, a very common sp. simply sent as a good specimen of the plant.

at the base,

I distributed the 4 copies of O.S. 7. the one inserted to

Mrs Zeddon I gave to her brother to avoid risk of loss by mail, one to Alfredo Sanchez, (two species of his collecting, on our trip to Estrella, see figured. *P. pergrata* I have never found myself) or the 3rd spec to Dr Lachow Standard for the Colegio San Luis here, for which he is very grateful.

Did I tell you *Sotralis Corragi*, should have been *Carazoi* (*Carazoi*), it is far too generous of you to couple my name with yours as the specific author; but I am deeply sensitive of the honour.

No, I wont parry your thrust, tho' "dainty" is a flattering & misplaced adjective, if you desire further words to throw I can tell you I am the laziest & untidiest thing that ever happened.

Camera slides, was 'em, well that last precious one must be meticulously repaired, my one & only, but surely it will serve as a pattern, tho' I must say they were very cynical about the whole thing at home 2 years ago.

I hope to get home next year & will get a 2nd hand Reflex, this Laddie Mann who was here from Washington had a peach, but I imagine the Tropics must try their wits pretty badly.

I regret the news of Schlecter's illness & hope he is in blossoming health again, poor old Powell, he told me the whole Country side was devastated by fire, dried orchids are dull thing, probably you will wish CR had suffered the fate of Godon & Gonzalez in you get through Handley's load.

P.S. Assuming that you have any
probable interest in such a concern, it would
be inadvisable to let M.C.K. know
beforehand, he is a great dickhead.

only £1750 each
↳ £2000 ..

111
Reminisly, I hope to get into business again, two years on
the turn is poor business. I have written to M.C. Keith
to know if he will sell me a property here, of course he
may not have the slightest desire to or may ask more
than a reasonable price, but if we can get down to
transacting it will be a very attractive residential coffee
shop or a perfect place to grow orchids & incidentally.

If you have any inclination for tropical investment you
might investigate this. I don't know what price will ask,
between £15,000 - £18,000 - & the initial estate would probably
be about £3000, with the remainder on cedula, the annual
credits would be large as this place is the bank for a host of
small producers, within each small as only about 50 acres
of coffee are in cultivation. I could arrange all that in London.
Coffee is an 'in & out' business but should average around 17%
8% certain anyway, I think the days of fabulous profits are
gone (referring to the purchase of coffee in fruit for curing &
export) agriculturally it is a business just as present for
those who have established properties. Last year's crop failure
hit me right in the teeth, we should be back to normal
after June next or carry on from there all serene.

Chess & Bamford once had a cut at Costa Rica, but they had
a poor deal & chosen a bad section too.

I remember you asked for coffee samples, but we had none.

This shall be gradually obtained for you, we have shipped all
our finest grades & have only about 200 bags of what we call San Francisco
of these I can send you samples.

Yours faithfully
C. Hamilton.

355 Commonwealth Avenue, Boston, Mass.
April 27th, 1924.

My dear Lankester: I have been unsuccessful in my attempts to secure slides for your camera. It would seem that the manufacturers have ceased the production of the kind you need. If you can send the camera to me, I am sure that I could have new slides adapted to it.

Recently I have been contemplating a trip to the Amazon this summer. In fact I have reservations for June 14th, but I am wavering now, and I think I shall stick to my home tasks until I can see an end of them. If Standley succeeds in bringing home safely the material he has collected for me, I am afraid that my hopes of a lull in work will be extinguished.

Gurney Wilson, Editor of the Orchid Review, has been with me to-day. I showed him my herbarium, and then passed the afternoon with him at the University Museum where he found much of interest in my laboratory of economic botany.

My dear Friend! Do you suppose you could make for me an herbarium specimen of the plant (tree) from which cocobola wood is obtained. Just a twig with flowers and leaves. When I made my one night stop in San Jose, I purchased a cane made of cocobola wood and I want to be sure that it represents a species of Dalbergia.

I am pushing ahead with the publication of the new species

April 27th, 1924.

found in your recent packages. I expect to have most of the new ones illustrated.

In your last letter you refer again to a lapse in my part of our correspondence. I am sure that my letters will all come to your hand eventually and that there will be few if any gaps. You are right in suspecting that absence from home may account for an interim in my effusions. I returned from Florida last week, bringing home one orchid, namely, *Epidendrum conopseum*.

I must send ^h you a copy of my Enumeration of the Orchids of the United States and Canada. This is just out and is a dandy little piece of press-work, say what you will of the erudition displayed in the text.

When you receive *Schedulae Orchidianae* #7, be sure to tell me what you think of it. The plates are not entirely epoch making, but I had to forego the delight of having a complete series from the hand of my artist-wife.

Keep me supplied with material. Surely our friend Standley must have missed a few of the species that make your part of the world so bewilderingly interesting.

Powell is still on the job and Panama is being given substantial recognition in my daily work.

With the best of good wishes,

Yours faithfully,

The common Pacific *Aspidium*.

to Santa Fe.

May 4, 1924.

My dear Ames.

Best thanks for yours of April 7th, I have the *Epid. perstratum* in cultivation & hope in due course to flower it for you, a most entertaining plant.

The *Oncidium* excited turmoil in your lab was registered here on the seismographs & was henceforth ascribed, wrongly as I see now, to local volcanic activity. I am sorry to see that this genus has to be compared to that heinous complex *Stelis*, this is too bad.

All the species in question is certainly common & widely distributed on the Pacific coast, say from 1000' to 3000', apply to Rudolf, it probably has about unpten synonyms.

If Florida why not Costa Rica? I wrote you a letter on the 18th of last month & have been ashamed to post it to you, however, I now let it go & leave your room.

Well I hope Florida buckled you up, you will need a storage battery of energy for Standley's load I expect Breuer's lot will be a useful elucidation of collection work.

Salvage.

Faithfully yours.

Calvin Keck.

The *Restrepia* is the common one of Cacho, but I have brought home another that appears but grows
in some strange *Pleurothallis* including in plant with densely spotted
bracts that I certainly hope to grow in for you, of this one plant lived for years in Co. Cincinatti
& succeeded this last day dawn, it has outlasted petals, & very slender long secondary stems



v. 3. 40.

Barap. C.R.
18. V. 24.

My dear Ames,

The trip to Pejiwalla was very delightful &
I filled all my papers for you, though a small % of
only of the orchids were in flower & several were
unfamiliar to me, of these I could not resist presenting
two, a small vesiculate *Epidendrum* & a curious *Mexillaria*
with long linear channelled leaves, neither satisfactory
for your purposes unfortunately.


It is an overwhelmingly rich botanical area &
I found many old friends, *Eriopsis Mackleyi*, *Strutleya*
Burteri, *Psecatricea cerisea* & a wealth of *Dactylodes* none
in flower, one of these is a species that I found years
ago in the near vicinity, Juis, & is of the type of yours
S. Caragii, with larger & more highly coloured flowers,
I hope the living plant will thrive & flower for you here.

The plant only, in very poor shape, of what I
take to be *Epid. Juvialtae*, pray for its good health.
it is an abundant one in Sarapiquí, or was in my time
there, ye Gods, 1903!

It is essentially a rain forest region, the alluvial flats
are all planted ^{recently} to bananas some 1200 acres, through
which the river Pejiwalla runs, bordered for most of its

length by Pithecolobium cognatum, a net field of research,
on all sides the plain is surrounded by hills, averaging some
500 ft above the river. Those to the south ascend gradually,
fold upon fold to the southern Cordilleras, a frozen spot.
I would you had been there & I hope to return shortly.

Stanhopea carinata is not seen there, one magnificent plant
was in flower too high for attainment.

On the way out I collected two fine plants of Epid. petraeum,
not in flower & forgot them at Innaboa, only two Catasatum
& one very small Cyrtocarpus were seen, several unfamiliar
Tracciania, Aspophyllum stronds, & Chondrostyche, 1
Aeropsis, several flowerless Pleurothallids, 3 Stelis in flower,
& the least Pleurothallid I have ever seen, much smaller
than the tiny fellow from Cot & Cachi. 

Brassia longissima ^{with} Dactyloctenium Kraussii album, is not
uncommon, 1 Lycaste (Dwiana?) Oncid. ophaculatum
immensely common. 3 Oncid. vridifolium, in flower,
Zygopetalum aromaticum; usually common in such localities
I saw very few of & none in bloom.

What looks like your Pleuro. cerea, is every where, on
almost every tree trunk - by the river side masses of
Stelis, Octaphyllotis & Zygopetalis, with two common of
of Xylothem. Epid. olivaceum is represented, but not so commonly
as in the ^{older} cultivated districts

D^r Oakes Amer.

Boston. Mass.

Cheer Sh.

Yours faithfully

Ch. Lambert.

355 Commonwealth Avenue, Boston, Mass.

May 28th, 1924.

My dear Lankester: A most welcome reminder of your industry came in this morning. I have looked at the specimens and now they are in a fumigating compartment while the Costa Rican bugs that secured a free passage to this country are being separated from life. I am sure that there are several stangers in the collection. It will be possible to identify and include the novelties contained in this recent acquisition in the 9th number of the Sched. Orch. This noble publication is already on its way to completion and gives to you and dear old Powell an abundance of notoriety.

It would be great sport to take a flying chance in coffee under your experienced guidance, but all I have to spend these days is income (what the Government does not need), as my funds are tightly invested. Then again, I might pull you down to failure, because my luck in new ventures has always been sad. I have at hand at this very minute a most attractive offer from a man in New York who desires my co-operation in the banana business. He wants \$25,000 advanced at once. He will pay me \$50,000 at the end of a year. In reviewing my varied ventures in the realm of finance I find only two records that look good: I once sold a yoke of oxen for more than I paid out; I once sold a Ford automobile for more than it cost me. All of my other ventures have been dismal failures, and I concluded long ago that the only safe place for my surplus cash was a savings bank or a reliable insurance company. And now the insurance companies eat into my quarterly income in a savage way.

The summer is creeping in and I am contemplating a hurried departure for the country and a well deserved rest. This winter has been a hard one because it has been filled with administrative duties.

Yours with the best wishes in the world,

Charles C. Lane

Barat

13. VI. 24.

My dear Anne.

Yours of 28th ult just to hand, sorry I sent you a lot of dudus with the plants; but one can't promise to always divorce the fauna from the flora in the Tropics.

Now, you already talk of #9 2nd Orch where is #8, & what will happen when you start running into Handley's little lot Heaven knows.

A few more here are almost ready to go, with a few that will interest you among them, a dreadful but actual Conyarthra included.

\$50,000 for \$25,000, very nice too, one couldn't offer anything like that here, not even on disease proof bananas, enclosed are two pictures taken on my venture at Peralte. (This has absorbed all & more than my spare cash for the last 18 months; but is now beginning to help with the payrolls) in fact I was so hard up last year, that I grudged the stamps on your parcels & the sum collected for you aggravated the sore, well I should never ask you to go into anything risky down here & you may yet feel like becoming a coffee exporter, anyhow you are well advised to stick all you can into insurance, there is nothing like it for safeguarding capital & it is an excellent method of forced saving, at the same time policies are splendid collateral & may always be turned into active money produces when opportunity affords.

I can get at any time an increase in my present London credit, if any sound venture offers, but as a man of very limited means & comparatively heavy responsibilities, an assurance of outside help in wonderfully competent, & in these days & kiddies are somewhat of an anchor.

My present partner, in view of the future need of leaving CB to attend to his boys' education, will not undertake any extension, nor is he temperamentally fitted for it.

This it was, & our mutual interest that led me to trait the hearn). That's that!

Old man Powell writes triumphantly of an Epid, (looks to me like Caligatum but the corrections he has made are somewhat confusing), what is this scumptions thing?

I am glad to hear Bill Mason is coming down next winter. I will lead him to mossy solitudes, if he so wills, though Standley must have cratted the pitch, pleasant qui ante nos,

I expected a loud bark on the Pleurothallis - Cryptophorum question. How about it,

A parcel from Germany is in the post, this must be Rudolf coming across with another copy of his my op. his first sending was carefully sent to me dissected & most of the jobs thrown away.

A parcel next week, come how you may.

Yours faithfully,

Ch. Lambert.

Is not my 764 sent as *Sotradia*
a *Pogonia*?

Archuan occurs at Lac Guacares, but
I have never collected it successfully.

Praxis Ancho, Costa Rica found in
Bochin, is one shortly on holiday, at his
return it may be possible to send you
the camera for diagnosis.

Lankesters Late Sending July 1924 -

mostly having been sent by Miss Bryson.

- 844. Epidendrum caricatum Ames
 - 842 Platantha multifida R.Br.
 - 857 Stelis caricata Ames
 - 864 Stelis gracilis Ames
 - 845 Stelis chilobasis Ames
 - 840 Stelis ciliolata Ames
 - 847 Vanilla fragrans (Schub.) Ames?
 - 861 Platantha aff. radiata Schott (var. fl.)
 - 863 Platantha multifida Schott var. chana
 - 861 Platantha cordata R. & Rolfe var. chana
 - 860 Platantha multifida Ames
 - 872. Epidendrum cristatum Rolfe
 - 857 Epidendrum sp. Rolfe
 - 856 Epidendrum sp. Rolfe
 - 849. Epidendrum sp. Rolfe
 - 848 Epidendrum sp. Rolfe
- Sp. Nov. (18) Platantha multifida Schott

- Sp. Nov. (19) Platantha multifida Schott
- 874. Cynochytenia (Platantha) aff.
- 854. Stelis multifida Schott var. chana (Rolfe)
- 868. Kryptantha sp. aff. radiata Schott (Rolfe)
- 875. Epidendrum sp. aff. caricata Ames (Rolfe)
- 873. Platantha multifida (Schott) Rolfe
- 871 Stelis multifida Ames
- 870. Tuzoia multifida Rolfe? (Fruit, on plant)
- 861 Signatula multifida Rolfe
- 852. Onithoclelea multifida Rolfe
- 862. Tuzoia multifida Rolfe (on plant, on stem)
- 858 Xylopleura multifida Rolfe (on plant, on stem)
- 841 Platantha multifida Schott var. chana
- 853. Tuzoia multifida Rolfe (on plant, on stem)
- 866. Cryptantha multifida Schott
- 839 Tuzoia multifida Rolfe
- 838 Epidendrum sp. Rolfe
- 843 Epidendrum sp. Rolfe
- 850 Platantha multifida Schott
- 869 " " "
- 865 " " "

Sp. Nov. in second pigeon hole in right section of wooden cases

Cartago, C. R.

July 15, 1922.

My dear Ames,

Through the parcel to which the enclosed receipt
refers went to you two or three weeks ago, this has only
just reached my hands.

I dare say you are away on vacation & I hope
enjoying nature in her own pastures, & I cannot
but wonder what time you may have had to take a
preliminary survey of Standley's great load of material.

I have made three short trips for you, & tho'
not prolific some few things of interest should please
you, at an early date the Costa Rican Consul in Boston
intends returning there, being now in Cartago on leave,
& his interest has been solicited to take back a few plants
& the various old camera, of which you will be sorry to
have news again.

Of two photos herewith, one, unfortunately out of focus,
gives you an idea of my locality "La Fuente", hill
pastures, with remainder of the original pastures left
for shade, it is a district of indescribable charm, with
glorious vistas of the rolling cordilleras to the Southward, &
also though rarely in evidence, the massive & summit of
Dumaliba, the other picture, a close up of a little ecological
group, whose main feature is a finely flowered plant of
Ornithidium fulgens, only proves how difficult and a
subject is for the common or garden Kodak, probably
enlargement will much improve this & allow the orchid to be
seen more clearly.

An attempt to render a tree stump with *Dichaea* produced a very unappetizing negative, but this has been sent to be printed or I will wait in sealing this letter to see if it merits forwarding to you.

I have *Odontoglossum Kianzei* in flower, so that you can see one of essentially promising the flower, a delightful orchid & deliciously fragrant,

May I ask you to name the *Pleurothallis* enclosed? I am unable to trace it from your lists & expect as it is so very common you may have passed it by.

A plant at Concord has about 20 sprays & in mass it is quite an effective species, on the same *Dryas* trunks with it is your *P. aristata*, with some 500 leaves, but it is an uninteresting sp., compared with the enclosed.

Plentiful rain these days on the roads are exceedingly bad I hope to ride into the end of the Cross valley tomorrow to get a *Polypod* for Mason & am rather dreading a long & muddy stay.

With warmest regards

Very faithfully yours

Chas. Keate.

Dr Oakes Ames.

Boston, Mass.

Carlap

July 30 1924.

Dear Wilkes,

I am sending you by hand of don Maria Sanchez (CR consul at Boston) various orchids both dry & wet, among the latter are two flowers of Dichopilia punctata that I discovered 10 ~~minutes~~ ago tucked in amongst some Plenochallida, a plant collected in Java before the war. Should it prove again you may welcome dry material, in my experience this has been a rare species & it is just possible you may not have it from CR.

Whilst fresh a description may be useful.

column not pilate; } centre vein of sepals lightly & ovary strongly punctate.
but deeply hooded } sepals & petals "light green yellow" Roff. Pl. V f.
Hood of column narrow white, anthers cream white.

Interior lower centre of lip suffused Lemon Chrome Pl. IV.
mottled indistinctly pale brownish, from the base three broken stripes of darker brownish, (scarcely observable without a reading glass). remainder of lip striped ex-centrally Phlox Pink Pl. XI.

Interior usually creamy, the Chrome of interior showing through faintly, the main stripes faintly, but well displayed, & at the top when the edges contract & hide the column they deflect & run longitudinally to the base & resemble geyra markings.

A charming little thing.

1 flower of Dicella ciliolata (Roff) in flower (leaves ciliate) s.p. green hyaline, brokenly striped purple, lip white, a few purple spots, column & stigma green, at base of latter a pink pubescent projection.

I hope you may have time to meet Mario Sanchez. His brother
Alfredo to whom you dedicated a *Lepanthes* & a *Pleurothallis*,
has at various times helped on the good cause, & we had the
pleasure of seeing them both here last night. They are worthy
representatives of the best of the old Cayenne gens.

What a wonderful show you had in Boston! The Orchid Review
was exceptionally interesting for many reasons, last week,
& I was naturally highly gratified to see the recognition
accorded to yourself & Tom Ames.

Bunge seems to be a very big gun, enthusiasm certainly
could go no further. The epiphytic idea is a very laudable
effort, I wanted Arthur Hill to get some of his bright youths
to grow some orchids naturally at New, it could be done
so easily, especially the xerophytic sorts.

I have never seen a big exhibition of orchids & these
pictures always make my mouth water. The possibly
greater joy of seeing them wild however. I can share
with a narrower public.

Salaam, hakiin,

Yours ever

C. H. Lankester.

A few centenary of Misses stamps for reference or such.


Oh yes the ruddy camera for too.

Carlsbad
2. VIII. 24.

Forgive these addenda.

In the garden this morning I find the little Caespitose
Eleocharis has several nice racemes of buds, small as yet
but a guarantee that you shall have its flowers.

Also the curious Eleocharis so common at Estrella is
about to flower, the sp. with acuminate glumaceous bracts, of
which you have had only sterile specimens so far.

Another new arrival is a Tridactyle of the erythrochaete
alliance, much ~~of~~ smaller & the two lower sepals seem
not to open at all at the points  about so but smaller.

Hold the format of 917

Planostachya in suspense until

I verify this by the bud which has just formed.

Through carelessness
I did not adequately
label this - am not
quite certain as it
Vale could be # 850

Castro. C. R.

2. VIII. 24

My dear Dr Ames,

This will introduce to you
don Brais Sancho, who is very
kindly conveying some botanical
material for me, to yourself.

I think you will find that
Costa Rica is to be highly congratulated
on her representation at Boston.

Yours very faithfully
C. Hancock.

CORREOS DE COSTA RICA

OFICINA DE

(1) PAQUETE POSTAL POR DESPACHAR NO. 32

Remitente Edmundo B. B. B.

Destinatario Dr. Carlos Rojas

Destino 255 Avenida Central, P.O. Box 1000, San José, Costa Rica

Contenido Libros

Peso en kilos

Valor C

Franqueo C

Derechos de exportación (2)

Total

300
10
310

El Administrador,



NOTA.—Cada paquete postal debe venir acompañado de su correspondiente declaración. Los derechos de exportación deben remitirse en efectivo al Departamento de Certificados Interior.

(1) La serie de los paquetes debe empezarse trimestralmente con el No. 1

(2) Véase tarifa publicada pág. No. 94 Boletín Postal.



One first two "ranches" for the last ones.
in the last period, the slopes across & on
the South of the River.

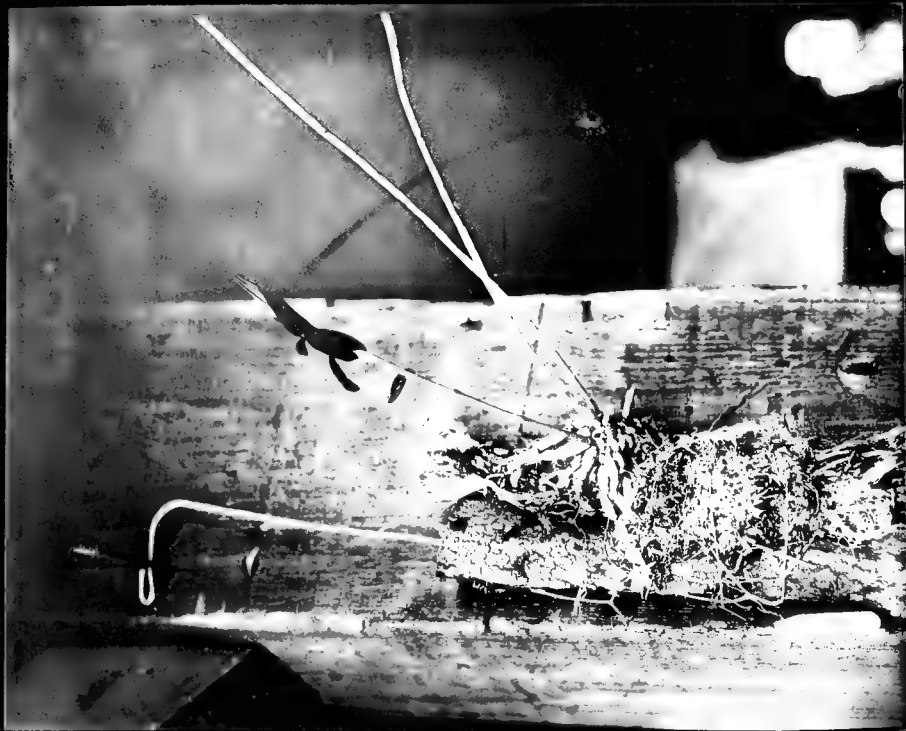
Perth end of 1922.



Plants are *Attalea limicola* -

Incipient banana cultivation, all this is
now in production.

Peraltia C.R. at about 1200 ft. alt.
several of collected here for you,
including the white *Musdecralia*.

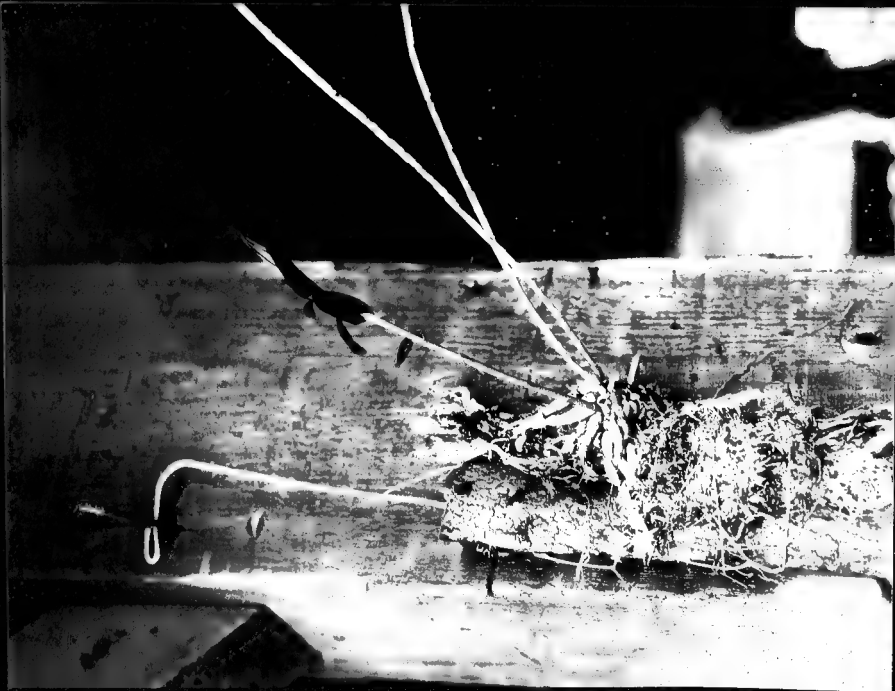


Cowell No. 359.

Epilobium caligarium
R. & F.

Mr. Cowell asked me
to take these specimens &
send them to you, for
use in publishing the
papers. The specimens
taken from this same
plant

Paul Stanley



North Easton, Mass. August 4th, 1924.

My dear Lankester:

Your welcome letter of the 13th July has just come in. I realized when I saw the Costa Rican stamp, that I have been a most delinquent correspondent of late, but the summer time is in my bones, and I do very little beside farming. Botanical work has been sadly neglected since early June. My friends have been neglected for a longer time. I suppose it is a wholly human attribute to put aside the more serious side of life, when the mind and body have been pushed too hard.

When the camera arrives I shall give it close attention. You will be interested to learn that I made another effort about a month ago to secure the necessary slides, but failure resulted. The manufacturers do not make slides of the type you use, and I have been unable to find an equivalent in any of the shops. The photographs are really good. They make me wish that you would attempt to make some lantern-slides of the epiphytic orchids at home. Last spring when I gave a lecture of tropical orchids, I was unable to find any good material for lantern-slide illustrations. Undoubtedly you can help me in this fascinating work and at the same time turn out some plates for half-tone illustrations in any work we may do jointly on

the orchidology of some selected region. You will remember that we have discussed this subject in earlier letters.

I am unable to identify your *Pleurothallis* at this time. When I pick up the threads of my work again in Boston, I shall report on it. I have a long list of determinations for you. I would have sent them long ago, but I fully expected to get out the Sched. Orch. that is to contain the descriptions of your new species, in June. Now I must wait until the fall of the year when I take up the serious side of life once again. Several months ago you took me up on the determination of a *Pleurothallis* that you thought was a member of *Cryptophoranthus*. I shall not go into this matter now, but, the determination I gave you is correct in so far as it is the species described by Reichenbach from Cuba. Reichenbach may have made a mess of the genus, but that fact does not change the identity of your species.

I expected to report on your *Utricularia* before this, but I did not put it before the proper authorities before the summer vacation began. I have it in mind, and I shall give you the name in the autumn.

Standley's box of gems has arrived, but like everything else, it must remain covered until the leaves begin to turn.

Yours always faithfully,

Osborn

Cartago, C. R.

Aug 20. 1924.

My dear Anne,

My partner's continued ill-health has led to his relinquishing his share in our estate of Las Caucanas & I am taking on a debt of \$40,000 to be paid off in 6 years & we hope to move over to the finca about the middle of November, this means among other things the translation of about 1800 orchids over unimaginable roads.

I surmise this means residence of another 7 or 8 years here, so that I may hope to still find you material of interest, but of course I shall not be the focus agent of the past two years, as coffee is a rather trying business during crop & preparation, night & day in fact for three or four months.

Probably the late autumn will find you delving in Handley's rich store which I hope will prove enthralling & memorable, I have only a very few additions to send you including two interesting Pleurothallids in spirit.

I shall hope that when we are well settled in we may some day have the honour of entertaining you & getting a scramble or two in the words.

With warmest regards

Yours very faithfully,

Ch. Coulters.

Dr Oakes Ames.

Harvard University

926

So many thanks for yours of August 4th & hand are proving mine.

This bucked me up considerably as I needed cheering at the time.

Don't worry unduly about the cancer. I hope you will meet a like the beaver *Draino Janches*, it may to some months ere I can use it even after arrival, but it will be great pleasure to help in any small way.

Pleurothallis nervosa. Braid. Kew Bull. This defect me entirely & Kew is rather remiss in attention to correspondents, since poor R. A. R.'s death I do not hear much from them, though Arthur Hill occasionally has sent to me lists of my plants in flower.

577. Well of course Cryptophanthus is a very strangely true generic name for the living plant, but this character may vanish in the Herbarium & the little species sent you is certainly of this genus, (if a valid one) I shall be much tied down after our move to Las Conchas & I am appalled at the prospect of moving my plants over our cynical roads while all their growths are tender.

I trust you have had a topping summer & will find all sorts of treasures in Standley's box.

Warmest regards

Chf.

I have just cut in the garden two *Elleanthus*; both sent you unflowered previously, but I cannot trace any numbers.

Now # 925 is the large sp. a terrestrial, common at wet localities 6000-7000 ft. roadside banks & so forth. fl white.

926. small *E. carpitosa*? forest epiphyte. fl white. Oriz. 4000 ft.

925

Cortez. C. R.
Sep. 17. 1974.

My dear Amer.

Will it strain your belief in my
veracity to learn that the cylinder of
plants you mailed on Aug 4th has reached
me only today?

Such is the fact, yet friendly Oton
paid the duty for me early in the latter half
of August, deduct then the furious speed of
our postal authorities.

Already a specimen of that little
grass like *Eleocharis* inhabits one of your plants,
nothing else of interest offers at present, next
week sees the sad procession of my plants back
to Las Cruces, the roads will be positively obscene,
as this wet season has been phenomenal; I surmise
your tropical wanderings have shown you the
incredible chasms & ridges that seem us for roads
in the wet season.

I fear I have been a careless custodian of
your funds & have not kept any definite record,
you must have a balance still & I shall hope to
propitiously employ it on your behalf, Times are
getting easier & we have had a most propitious coffee
season, my partner is impatiently leaving definitely

or I think you are aware already that I am taking over his share.

There will be orchids at Las Cincavas as long as we are there, some day I hope we may be lucky enough to have you there on one of your tropical raids.

I have packed a box ^{of orchids} today to go to Assam, from whence a very delightful correspondent has sent me many interesting plants & I hope they will slip through the 50° without frost attending.

So very many thanks for the tubes, they are neat & nicer than ancient ink bottles, etc.

A hail came from Standley at Carlsbad here Mexico yesterday, seems a good spot.

Do you know Billy Deane, the dude man at Washington? he is one of God's Own, Costa Rica has never had so happy a social organism since he left us, now alas 10 or 11 years ago.

Nick the load I am undertaking it looks as though I shall stay here eternally, I should not hope to do so though on the wife's a/c, as she long to be in England with the kiddies, but oh the winter.

Salvador.

Yours affly

Ch. L. Smith

D. Oakes Ames.

Boston. Mass.

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DANQUEROS
SAN JOSÉ, COSTA RICA

ESTABLECIDOS EN 1898

CÓDIGOS:

BENTLEY'S
SIMPLEX
LIEBER'S 5 LETTER
A. B. C. 5TH & 6TH EDITIONS
PETERSONS INTL. 2ND ED.

22nd September 1924.

C. H. Lankester, Esq.,
Cartago,

Dear Mr. Lankester:-

I am pleased to confirm telegram sent you this morning advising that I have received a cablegram from Messrs. John K. Gilliat & Co., Ltd., of London, in which they advise me that their reply is favorable in respect to the business proposed by you, and that full details will come forward by the next mail leaving London. As soon as I receive same I will advise you so that the matter can be arranged as promptly as possible.

With kind regards,

Very truly yours,

Jerome B. Clark

AGENCIA DE
JOHN K. GILLIAT & Co. LTDA.
UNIDO CON LA CASA
WM. LELACHEUR & SON
LONDON
JEROME B. CLARK
APODERADO

September 1944 XVII Cream of Soap - centrally along East to April 1944

petals do slightly warmer fringe

In bottle a disk,

lip below

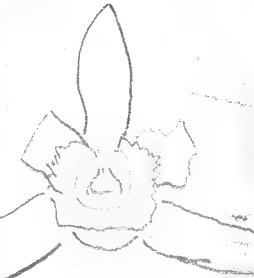
September 1944

from Betty Winson

below Amber Yellow XVI

C. H. Lancaster, Ltd.
Bangalore

Dear Mr. Lancaster:



I am pleased to confirm telegram sent you this
morning advising that I have received a telegram from Messrs.
J. H. Gillett & Co. Ltd. of London in which they advise me
that their reply is favorable in respect of the business proposed
by you, and that full details will come forward by the next mail
leaving London. As soon as I receive same I will advise you so
that the matter can be arranged as promptly as possible.

With kind regards

Very truly yours

Ray K. O'Brien

#928

255 Commonwealth Avenue, Boston, Mass.
October 12th, 1924.

My dear Lankester: You must forgive me, if for a time I seem to have dropt from the face of the earth. I have had trouble with the farm at North Easton. That has meant a great amount of time spent in supervision. Then, a few weeks ago, my co-trustee shot himself. That meant that I had to entertain fears of mismanagement in the Estate Office. It took time to get matters righted. Then the University opened and there were students to meet and instruct. Next week I am to move to Boston for the winter, and then with the vacation spirit thoroughly downed, I intend to give every effort to scientific work, to Costa Rican orchids and to my correspondents.

I am afraid that Powell thinks I am a bad fellow. I wrote to him last night to clear away any misgivings he may have had regarding my work for him. I wish I could get to Panama and cheer him up with real contact. And then, on the way home, stop over to see how you do things in Costa Rica.

I have not yet found an opportunity to examine the lot bundle of specimens that came from you, but I am looking forward to that pleasure. Just as soon as I get the names established you shall have a list of them.

The autumn here has been too brilliant for anything, to use a vulgar phrase. I have never seen the leaves so highly colored or so persistent. I have been motoring to Boston from North Easton almost every day for a month and it is like driving through a landscape painted by color-drunk artists. The autumn is a sad time, however and it needs something cheerful about it to make one unconscious of its dire significance,

Please keep in touch with your neighbors, the orchids, and when you find a little time hanging heavy on your hands, use it in my behalf.

Yours faithfully,

Robert L. Shreve

Oncidium?

Cartago, C. R.

Oct 14, 1924.

My dear Dr Ames,

Your carton of tubes returns to you & I hope some of the contents will be welcome, you will find a spider, enclosed in the belief that some colleague of yours may find joy therein, he is not I think a common one; but this may be merely lack of knowledge of his region, coastal forest.

917^a Will complete specimen of a notable Pleurothallid, all I new or old.

931 should please you, your P. Cachensis,

928 Sobralia, I sent to R. A. R many years ago, but have no record of any comment from him, it is not dissimilar ~~from~~ ^{to} your J. Caragori, & tho' a poor Sobralia is much finer than that type of S has delicately attractive colouring).

930 Pleurothallis monstrabilis, goes in duplicate as being of interesting form & well flowered.

932 Elleanthus caespitosus? I remember an anguished cry for this.

Our move to La O Concepcion is now only 15 days away & a most inclement wet season will not add to its joys, practically all the orchids have gone over & are much battered, yet they were actually saved a worse fate as a cyclone waltzed through the end of our patio last

P. Cedensis



Saturday, houses were unroofed east & west of us, an entertaining display of nature's potentialities yet I don't think one could ever come to really love these energetic nothings.

Colozyne messangeana has flowered for us this week what a extremely beautiful thing it is, this was a kindly contribution of Kew. Arthur Hill sent me by a recent mail two fine photos of the Brassavola nodosa he took with him from here, a clean healthy specimen in purple flower & delightfully fragrant at night.

I wonder if my plant of Angraecum Kotschyii is unique in the Americas? The one I brought from Uganda is (or was last week) thriving.

How is it, if prohibition exists against orchids that so many of the new British hybrids appear at your shows. Boston seems a wonderful Centre of orchidophilists.

Yours, &c.,

Yours faithfully

Ch. Lankford.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Nov 10. 1924.

My dear Amer.

In the course of our run, much rubbish & some old treasures appeared, the sad negatin enclosed is closed, by me, among the latter.

It is the only evidence remaining, beyond a leaf at Kew, of a wonderful *Pleurothallis* found at Cascajal & I believe it to be your *P. saccata*, though it was never my fortune to see this plant actually in flower & the specimen you named ^{so} was a much smaller ^{plant}, but to my belief identical species.

The plant portrayed did not survive the attempt to take it alive to Kew, where its smaller congener *P. grandis* is well established, to my recollection ~~this~~ it was slightly over a metre in height & the leaves over 12", producing very dense fascicles of flowers, 15 to 20 peduncles, though it may be these are not synchronous, as some of these *Pleurothallis* flowers two or more years from the same leaf, by emission of new peduncles.

At least the fine white *Trasdevallia* from Peralta is blooming again, it is a form of (*M. Costaricensis*?) & you shall in due course have a bottled specimen.

Two others of interest to you are also in flower, #916, & another Peralta sp., an ally of *Lycaste*.

That has opened a dainty pink flower today, not exciting but a rarity. I had the genus in Cactin & the species there had a dull brown flower, tho' sent to Kew I did not learn the generic name

Have you waded through Standley's vast mass of material; some of the proximate schedules will be somewhat obese.

I hope your recent unpleasant experiences have had no sequential unpleasantness & that you & yours are cheery & fit.

With regards
Yours ever

Ch. Lambert

You shall have your coffee samples this winter; (or should I say in next month,) as they tell me from England that they had their winter last summer.

D. Oakes Ames.

Boston, Mass.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Oct 14, 1925

My dear Aunt,

My foreman gave me a surprise today by bringing up 2 plants of a Notylia in flower, I do not recollect seeing this genus on the farm before, a river such as the Reventazon is a great emporium of orchid species & the river Agua Caliente which is an affluent stream in this conservation, & the fact of the prevailing wind being from the east assists very greatly the spread & retention of unsuspected orchid species. The fact of Cattleya Doreana having occurred here at over 4000 ft & two sp of Gargora & a record of Cyclophe (sent to Powell, with whom it flowered & was sent to Rolfe) & so low country a species as Diglossium Delmonium, points to the wind as the principal factor of distribution.

Herewith a pretty little Indian orchid received from Assam, can you place it for me & am I wildly wrong in guessing it to be an Oris?

Nearly all the bottles are full & I must make an effort to get them away to you, a box of living orchids goes to Kew by hand on this next steamer, including Pleurothallis peruviana, what a hope.

Barbour approved of his small lizard, my thanks for your kind assistance, with your next lot for a small vole for some mammal loving friend, these are sufficiently rare to be of interest, & you must forgive the decoration of one of your plants -

With warm regards

Tristfully yours

C. H. Lankester.

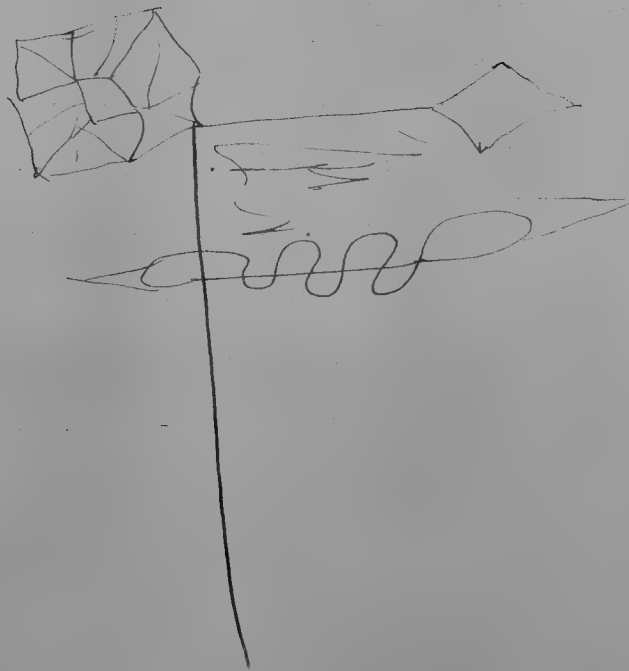
355 Commonwealth Avenue,

Boston, Mass., May 2, 1925.

My dear Lankester:

Mr. A. M. Brenes is ^{as} dumb as a turtle and in response to unfamiliar stimulation, behaves like one. He belongs, I imagine, to that human group which is characterized by an unlimited capacity to take offense ^c at well meant attentions and by an over-developed proneness to find bitter meanings in kind words. I wish he would tell me in plain terms wherein I have fallen below the standards he sets for a fellow being.

Are you seeking diversions at this blessed season of the year? Try an "orchid a day" as a slogan when you divert. The woods about you are full of orchids, if Paul C. Standley is a reliable informant. I very much want specimens of *Stelis*, the mean genus *Stelis*, as Ridley terms it. In addition to dried specimens with flowers of them in alcohol, I want photographs of the habit to aid Blanche Ames in her drawings for my monograph of the Central American species. *Stelis parvula* Lindl., would make an acceptable photograph. From an examination of Standley's mighty effort to exhaust the orchid flora of Costa Rica, it would seem that this species is in the way of becoming a pernicious weed. It must take possession of your window-boxes, (if you have any in Cartago), and may by this time be smothering your *Petunias*.



Lankester, 2. May 2, 1925.

I hope that the camera is working well and steadily. Powell wants a camera just like yours with a complete set of instructions from the factory for its manipulation. He makes his request, hoping that it will reach me when I am in good mood. Ingenious old chap! He deserves a wilderness of cameras with a library of instruction books de luxe.

Tom Barbour has reported in that you are a good fellow and all that. I am delighted to know that he found you at home and was able to meet you in the flesh.

I am trying to get Standley interested in another expedition to Costa Rica. If he goes into the field next winter, I may steal a little time to accompany him in. I should like very much to watch him work an area and share his enthusiasms.

I am getting to the end of Standley's collection. As he only found about ten new species in *Stelis*, *Pleurothallis* and *Epidendrum*, it would seem that we are getting to the end of the novelties in these genera for the months of Standley's visit. I'll bet, however, that one of those dainty foasts of yours in some nook near Las Concavas will turn up some exasperating new things in dear fragments. Standley's specimens are a delight to work on. They are gems of the collectors art and make the herbarium look like a million

Yours faithfully,

J

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

August 8. 1925.

My dear Ame.

Just a hurried note with some wretched pictures, only one possible in the four.

With an Amceless mail at box 32 today no respondent. Herill greeted my turning of the Key, you have been so extraordinarily kind in writing, this I could not do or show you with question, my iron little concerns seem so very big.

I am very ashamed of my lack of power with the Graphlex, yet in its present sorry mood will ask you to excuse my ill success -

The few \$0 from Estrella should go on their way to you next week, tho' you may be off to Egypt or Patagonia at this season of the year.

Note the hand-drawings - at the right hand is my idea of M. calura, this plant is from Encino - western ridges of Poás, & is most distinctly not M. Rolfeana; in this latter of the upper sepel Fais is vertical & not prosect.

Salviam. affendi.

Yours very sincerely

C. H. Lankester.

Leo Comara.

21. IX. 25.

Oakes Ames Esq
Boston.

My dear Ames,

A welcome reminder of your interest has just arrived, 6 film packs for the Graphlex. Not thanks.

The opportune departure of a friend as secretary to the CR Congressional delegation to the U. S. A induced me to return through his office, the said Graphlex. He did not promise to take it & I await advice as to whether or no he did so. I can assure you that in its present state it is very much a labour of love to attempt picture making with it, perhaps our climate is the sole cause of its obtuseness & the cold drier air of the North may be such a tonic that it may reach your hands restored to its primitive agility. I am mean enough to hope this may not be so, it strikes me that its construction is not planned for the Tropics, & don't forget the inherent defect of lack of bellows extension to make life size pictures.

For all of which I try a thousand pardons. It has been most unfortunate that your immensely kind desire & act has failed a little at this end through no fault of yours. Let's talk about orchids - A small *Songora* that I found on the willows in the laguna has proved most surprisingly to be *Songora* (*Asopora*) *concinna*, this form

Have you received plants & packets sent August 14th?
I see by Standley's flora of Salvador you do not use the name of DC, if I have erred in this regard you must accept my apologies. I should really like to accompany & please you - Well.

has given me many orchidological surprises, & this is another -
Some of the *Ochloa* from Schella are in bud, one an allied form
of *O. Lankesteri*, but smaller, reminds me of one that Powell
described to me from Chiriqui, it should open with the next rain
storm. Of things in hand for you, *Epid. purpurea*, an *Isochilus* from
this form, *Gorenia quadrifida* (7000 ft) new to me & common at the
locality visited (La Canada) with another (new to me) terrestrial,
Marcillaria Suddesi - flower of a *Cycnoche* ♀, *Huntleya Britii*
Trayancipella Wendlandii - a very fine, nearly immaculate
Hemiphaea from Peralta, a stunning *Brosia* sent to me
from the Pacific coast with 13" sepals. & a few other oddments.
Tetragaster? of what I believe to be this genus I have two
specimens, one with pink flowers came from Peralta, but the
thrips have so persistently attacked the plants, pulling out
the pine that ^{this} is now in a sorry state & may fade out without
forming me any material, tho' it seems to me a pressed plant was
sent to you.

If a friend has not taken the camera, I must find
some other method of getting it safely to your hands, you will
be shocked at its appearance, but this is a trying country for
guns, gear & cameras.

I hope you have had a good summer & a great holiday;
have just finished "Arrowsmith," a thought cynical, but a
real book, do you read that sort of stuff?

With regards

The New York Times has made C. W. P. Faithfully yours
a Major - surely this should have been C. W. Lankester.
Colonel!

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

26. IX. 24.

My dear Amos,

It was delightfully kind to write me your letter of 9th inst after a damp morning. I am pleased to find I was wrong about *P. strumosa*. Happening to see mention of *P. hastata* (p. 397 Beicheffe, 1908. Rudy) in connection with *P. schulzeana*, you will forgive my hasty inference that there could not in all rational probability be two sp. at so restricted a locality. My German-Latin knowledge is equally nonexistent, but I can just make out from the description of *P. schulzeana*, that it is a little green-yellow flowered sp. common on the S. Eastern flank of the Carpio area, which I have sent you under #s 684 & 777. Am I right? But I cannot understand Rudolph's mention of *P. hastata* in connection with it - tho' for all I know he may say in his damn tempo, that it is not the least bit like that fascinating little species, there is a delightful little thing of this alliance (*hastata*) found near Cob. I am not quite sure if you have had this, one plant has been here now for 6 or 7 years, but it is easy to miss its flowering time, right now it is so - no bud today, but it has a bud to open in 3-4 days, you shall have it.

The enclosed (*Cephaelis?*) was sent to me from Bangalore as *Bletia chepheredii*!! as the same box contained a plant of *Cyrtocarpus* labelled *Cymbidium bicolor*, it looks to me as though the orchidology of Bangalore is languishing. Can you name this, *Conocarpus* to me, I am not sure. Leaves plicate.

The camera did not go by hand. It had it by post next week. Of the *hidium* with scented flowers a fairly good picture has been secured, it is probably *H. Boothii*, probably also, *synchroan* (flowering) would show me differences that ordinary dodges. (to *H. palacum*.)

Ejmatostichia costaricensis, is not in flower, & on one of last year's flower spikes, several little prolific plants are formed, this genus is notable here as continuing to produce flowers from the same rhachis after the original inflorescence is long past, this is not a frequent habit of our orchids, though several of the Empidanthus & Quidim Kraussianum also has it.

Tuesday, Sep 29. On Sunday I took my foreman, Mercedes, & a spare horse & rode to one of my old haunts in the back, a long pull on horseback & then on foot up to the ridge where I hoped to find two of my old Masdevallias. One enough both were in flower & here you have an advance flower of each. One Rolf referred tentatively to M. lanceana, a beautiful little white spotted yellow tailed sp. usually with purple fluff & streaks in the sepals cup, the other is what I have always suspected to be M. attenuata a very poor ineffective little thing, the only other sp. of the genus I recollect seeing at Cachi is M. demissa & I believe one plant came to hand on Sunday.

Several fine plants of Acineta densa were found, some in flower, one simply insignificant plant was ruined by the Indian who climbed up for it, there were 6 bulbs of 8" high, 3 1/4" at base, with leaves 38" long x 5" width, a Lycaste nearly equal was found, bulbs 5" high 3" broad at base (new) leaves 38" x 4". Did you know that I lived 9 years at Cachi, & got to know the orchids fairly well, I am longing to see the new Oncid you described of Andreas's it certainly intrigues me. Many of my old friends were found, few that you have not had, one nice plant of the rare Oncid allied to ochmatorchilus but with yellow & white flowers, this I saw at New Yan ago, the panicle dried quite black, probably before enumeration of my specimen was started.

Yours probably
Yours very sincerely
C. C. Cutcuti.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Oct 9, 1925.

My dear Aunt,

I believe the camera was posted to you yesterday & hope it will soon reach you, that you may perceive the handiest to easy or good work.

Herewith 5 pictures, 1 an old Cacti record of Oncidium auriferum which I beg you to return. The Barkers are very small plants in their first years cultivation, of my older plants some had over 30 flowers on the pedicel, also a very interesting picture of two large specimens, respectively Lycaste of Acineta densa, the other an merely topical form photo & not of great moment.

I have a number of formalin specimens for you, among other, what I believe or suspect to be the true Hankoea Cartagenensis - not the one of Rolfe's authorism in Bot Mag. this came from same locality as the Masdevallia Cartagenensis & suggests a link there in prehistoric (or Reichentactian) times by some collector. It is in my case distinct, nearly immaculate, I regretted not having the camera available to record its appearance, I picked one flower for you.

Picking starts next week, goodly orchids.

Andradilla
1915

Maxillaria

1119



Stems 10" to 11"

Sepals + petals white, petals spotted heavily
at base maroon, Column spotted darker
maroon, helmet shaped spatellum suffused
brown maroon, lip except on crest spotted
maroon - faintly transparent. Callanectis.

a This flower appears to
be *M. aciculata* (Hill) R. f.

MEMORANDUM

P. O. Box 32

CARTAGO

C. H. LANKESTER

LAS CÓNCAVAS

Cartago, Costa Rica, Dec 17 1925

A Dr Oakes Ames.

305 Commonwealth Ave

Boston.

70811 Imp. Alsina

My dear Ames.

Handley has turned out to be as kind as to pay a short visit here and was indeed good to see him again, he is now I believe at Santa Maria, looking bigger & should make a great killing in that almost virgin district.

I have no acknowledgment of 3 lots of records & the camera sent to you for reconditioning, if the strong & silent Admiral has no time, could not the Fly Lieutenant send a word.

This mail will take you the last plates, if you want more wet specimens kindly replace, the following week I shall send you the pressed material in hand

With regards
As ever.

C. H. Lankester.

MEMORANDUM

P. O. Box 32

CARTAGO

C. H. LANKESTER

LAS CONCavas

Cartago, Costa Rica, Dec 17 1925

A. D. Oakes Ames,

355 Commonwealth Avenue

Boston Mass

70811 Imp. Alsina

My dear Ames,

I am bombarding you with mail these days but the recent notice in our press announcing Dr Rudolf Schlecter's passing in seems to call for comment.

Personally I had very little correspondence with him, after Rogers' death I sent him some *Stankmanas* from Mt Elgon, this was before my good fortune in linking up with you, he must have been a great worker & an interesting point of comparison vanishes, but I hope ~~you~~ ^{he} will be enabled to co-ordinate in some of time all the recent work on the part of the world, quite a few synonyms must be still abroad.

It is just possible I may complete sale of this place during the coming week & if so Costa Rica will soon see me no more

MICHIGAN BOTANICAL

Dec 12th marked the 25th anniversary of my sailing for this country as an employe of the now defunct Peruvian Coffee Estate Co., I shall lean with regard to many happy memories (if the deal does go through) & shall take a run through Guatemala & Mexico before returning - if so you shall have whatever I can turn up. My wife long to return home to be with the children & these family ties are the only ones that turn my thoughts homeward. I am a bad case of mananitas & ask nothing better than to remain in the Tropics & if we go I shall be sure to take periodic trips when possible.

With regards

Very sincerely yours

O. S. Kent

Old man Powell must feel Schlecter's death. (it was surprising to me to learn he was only 53 yrs old)

Herbarium material to complete recent wet specimens goes by this week-end mail together with 2 small cartons & one large one of wet material.

Vale

MEMORANDUM

P. O. Box 32

CARTAGO

C. H. LANKESTER

LAS CÓNCAVAS

Cartago, Costa Rica, Dec 19th 1925

After receipt of your very welcome letter dated Dec 3rd & before having posted my effusion of Thursday.

70811 Imp. Alsina

My dear Ames,

Your letter was an enormous mass. I can quite understand that the news of Schlecter's passing must have clouded your days & filled your thoughts, as we run down life's highway the milestones are mainly landmarks & how hard it is to visit new friends, communities of interest is often hard to re-creat or anyhow on the basis of old agreement or friendly disputation. Last year an old pal of mine 'went over' here & though we have scarcely met since I married in 1908 I feel his absence tremendously. He was static & there was always the possibility of an occasional meeting & it is a curious thing that for one reason or another he was never able to come & stay with us. In fact I have much regretted since.

As regards the Graphlex have you looked at it? try it on your dog -

I found a plant of what I have known for 23 years as
Opuntia atrorubra & this held up your package of dry
material, is not this *Opuntia atrorubra*? as soon as
this time the package shall go - pale.

I bet you it hits the dog just! In self defense I will only say that I
was a piece photographer in former years & have worked in almost all
the old media though there may be much new I have missed, but wet plate
to the making of 3 color process blocks have been pastime to me. I don't
think I missed any of the Graflex's ideas, but you see that way
complaint as to focal length was just & I think the real trouble was
climatic, if not used for a while the cover would be a mass of white
mould & possibly its futs were far worse; as I suggested, a return to
its native clinic may have cured it, but if it is still in the condition
it left me in, just lead it out by hand & make a few pictures with it—

If promptness is not essence of the contract you shall have your
Theobroma specimens, it will be some time ere I can get down to
the hot country, Anastasi will do it for you, I hope to have him here
next week & as he often gets away, or rather on his few holiday opportunities
he gets down to hot districts, he will fix you up. How he is interested you
have stirred up something good. back so of Bremer & a fine chap.
Standley is in the train & I'm going to send him some tin snips by a
runner on Monday.
All right Prof. I get you.
Good night - Ash.

MEMORANDUM

P. O. Box 32

CARTAGO

C. H. LANKESTER
LAS CÓNCAVAS

Cartago, Costa Rica, Dec 28 1925

A Prof Oakes Ames
35 Commonwealth Ave.
Boston, Mass.

70811 Imp. Alsina

My dear Ames,

Cattleya Deckeri in flower today reminded me that I have broken my promise to get your specimen away by last mail, however a few odd species of little moment have been added. I have also Huntley's *Burtonia* in flower & it is just possible Standley may get back from Santa Maria in time to see it, he reports rather indifferent success at the Orchidaceae in that region; but further exploration may have brought him a wealth of species. He sent me out a good many plants by a fellow & the flora seems to parallel pretty closely the southern flank of Brazil, (on the evidence provided.) 11 plants of *Lycaste trispicata* were very welcome & one lot of of the fern also came along.

By the way, *Cat Deckeri* occurs in both Costa Rica & one mentioned in pen the Pacific slope.

It should find *Epid. of Am.* in bloom this month & mine will flower soon, it is hard to believe this old man Pavell will succeed with them, I sent him. This can be a giant orchid in forward specimens.

One *Pleurothallis* looks a little yellow, erect spatulate leaves 8-10 cm high (of the *Pearsonae* type) & this I feel one may prove new, also a bold one of the *Crocodylicarpa* type looks unfamiliar, the form of *Odontoglossum Oerstedii* from high ground there is undoubtedly finer than the Doay's - Poas type. *Odontoglossum (Egertonii)* or *Oncidium Waycanizis* with the accompanying *Loxocharta* must be very abundant & he sent a lot of that wretched *Miltonia*, that from a lustrous herb & foliage sends me the most ridiculous dingy little starfish of a flower, very common in the Carpenter's place.

I have *Pleurothallis Pearsonae* duly bottled for you in the very last bottle, this latter has only escaped me through the obturate lid, but need soon prove that off.

Though late my wishes for a Happy & Interesting 1926
to you & yours.

Yours very sincerely
C. L. Hawkett.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

2. I. 86.

Dear Ames,

Blessings on you for years of 20th cent. Many of the specimens you will find completed in the delayed bundle which shall soon follow. It has a good plant of 1010, I found a large well flowered specimen on a Sunday trip to Acchi, its pubescent sepals somewhat striated, renders it an easy species. Some of your determination drive me distracted, *Stelis* is a *Stambotia* type.

Now — 1043 is a *Cryptochrysanthus* (I say *proclitatus* because that what Allen Roep. always called it. I am sorry the flower was lost, look again with you, close to interior base of leaf, it may have tucked in there. *Stelis capensis* was sent in formal.

Of 917, one of the most extraordinary of the Pleurothallids I sent herbarium material, one leaf-flower I think, it went in the two parcels on train Sancho took to you on my behalf, this is a few I have only twice seen it, possibly common in the Pejivalla region.

"*Dichopistia punctata*" Take away parenthesis you will find the correct name of this delightful little orchid, the plant is quite dead so I cannot promise dry specimens.

999. Awright. But even so, if not *M. Calura*, I pray you believe it not *M. Rolfeana*, how about one of *Schlechteria tricornis* species? This came from Zarcero not far from San Ramon, so Breno probably sent it to Schlechter. D. E. P. D. I agree with you in finding it remarkably alike in the dried state, but very dissimilar in life.

I am astounded to find # 995 is an *Epidendrum*. an interesting plant. (*E. lancetatum*) Schl. Can it really be?

Stelis Lemscateni. 1017. Well well, is it possible, you know the type comes from sea-level & it did not enter my head that it could be more than an allied species & I still think it may prove distinct, but the occurrence of *S. leucopogon* at Pejivalla was an eye opener. I hope Standley will get you specimens from Sarcher's type locality of this latter. (Desengano)

1019. How does *goniochactis* differ from *paranthusium*? to my recollection the differences are merely vegetal due to variance of station. (I am not backing blindly here)

1021. *Sobralia leucocantha* (Krother) like it, but you are positive. I don't believe in any herbarium species of this genus very strongly.

Is this *Stelis punctata*? I shall soon have this in good flower

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Pleurothallis Calyptrostachya

1015, But this a work pen, I have not seen it in flower yet, but it is growing well with me.

1002. Lycaste tricolor. Durian sake? If so, other references to this of have been very bad breaks. This has always practically come from translucent pink flowers. I don't know what mental justification I may have for having always imagined this to be L. Dorsiana. It is a very abundant one in the hot Atlantic forest. Photo #17.

105T Epid. Lankeanum if so, I fear your Cristobalense must be reduced to varietal rank, as I feel sure it is simply a dear old gardener's "major", the influence of parsonate station. #105T came from quite close to San Cristobal. No flowered at Lanca.

993. Pleuro Duerckheimii, this is interesting, it is about the prettiest of our common Pleurothallis - from the illustration in Williams I have always thought it P. Rozalis. I suppose the type is from Guatemala.

1050 Stelis n. sp. (see). From such intensively worked localities is it possible for newness to appear. Certainly an abundant plant too.

977. Stelis Dendrogyana n. 1035, Stelis Dendrogyana.
La Palma Estrella.

No. Can do.
Also, if so, how come Stelis Handleyi? or was it Handleyana.

How forgive my gaudiness & when at Cuba learn sugar behind & come up here & watch Stelis actually doing it, (being its very own mean self) I am incredibly grateful for your correspondence, but don't forget that wireless messages should be at least two days ahead & have any effect in this pair. & if you have had the Grapholera Famed bring it along & see if I can work it. With warm good wishes for 1926

A Stelis brought from La Dulce 1923 has just flowered & proves to be S. Calypso. I have not seen it before. The fasciculate inflorescence renders it very distinct.

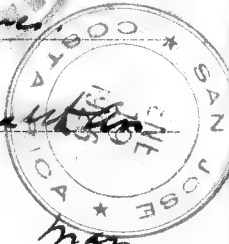
Yours sincerely
C. H. Lankester

837 a. of this two flowers were sent a heterostem specimen. an unique specimen. No other plant seen. Handley will surely get out the scrappy Pezizella material, a part distinct. Swick by & remember to complete, it is a Mexican of - 943 & see a photo of this of sent you April 30, 1925. Swick by & remember to complete, it is a common Atlantic species. I would like name for #965, also photographically rendered same date.



Barranca River Bridge, Port Puntarenas, C. R.

COSTA RICA
América Central.



Prof Carlos Amador

305 Comuna...

San José, Costa Rica

C. C. U. U.

Fotografía M. Gómez Miralles. Costa Rica, C. A.

Amador. C.R.
18. I. 26.

Thanks for your recent letter.

hope you ^{will} **OTISN** ^{mine} **ART** ^{in the} **business**

changes - earned him up a lot
of things there, so it is virgin country
a mile in width, then with 95
daily we don't see if it snows.
P. Amador.

St. L.

355 Commonwealth Avenue.

Boston, Mass., January 23d, 1926

My dear Lankester: I don't know of any sound just like it. An ear-splitting kind of applause. The kind that characterizes the last meeting with a large class in Harvard University. It breaks out spontaneously when your last word has been spoken, and lasts, without perceptible diminution, until you have gathered up your lecture notes and walked from the lecture hall for the last time. It makes you feel an uplift, until you realize that it marks the breaking of a bond that has never been too strong, and means the end of a mighty delightful association. For the minute you forget the hard work that has been done; the effort of throwing heart and soul into the task is forgotten. And then, as you retrace your steps to the laboratory, the distressing thought comes that perhaps you have failed to arouse in the young minds you are leaving behind, a true picture of the deeper meanings of biology. The noise you have just heard simply means, "All right, Old Top, it isn't your fault if your subject is deadly dull; you are entitled to a good send off, -- and here it is". All of this simply means that I am through with classes until next September. In the meantime there will be more freedom and plenty of time for research among "economics" and orchids.

Some interesting, and baffling specimens have just arrived from your Hacienda. Also a few good things from Alfaro. A report on these will be issued in the course of time.

I am sorry, deep down in my heart to learn of your decision to leave Costa Rica. Of course, you are entitled to the change of scene you long for. But it is hard for me to sink my selfish interests in true altruism. You have been a joy to me, in spite of your exasperating tendency to overlook the common species.

It is too bad that my determinations are not more satisfactory.

The truth is, one does not see in dried specimens all of those subtle distinctions that are so evident in the living plant when it is viewed from the horticultural point of appraisal.

I have reason to believe that the *Masdevallia* you sent to me as a specimen of *M. costa ricensis*, is simply *M. Tonduzia* Schltr. It agrees with the original description, but it does not agree with the description of *M. costaricensis*. I have just had dried specimens from Alfaro. They work out to be *M. Tonduzii*.

Now that I have a few months for recreation, I think I shall assemble the new species of Costa Rican orchids and publish another number of *Sche Orch.*

Have you any exceptionally good films from which to make lantern slides? This question is prompted by the thought that I must get ready some interesting illustration for the lectures that come next year.

I am not saying anything about cameras in this letter. The thing you returned to me under the name of camera hardly deserves the name. If I should hand it to an expert repairer and ask him to put it in order he might ask me what part of an automobile wreck it belonged to. When I described its condition the other day, the man at the photographic supply shop said to me, "I think it would be cheaper to buy a new machine". Just as the news came to us that the World War was over, the truck men and milk men tied tin cans to the rear of their automobiles and the early morning hours were characterized by the bumping of tin cans over the paved streets of the city. Perhaps you have recently signed a peace in Costa Rica after a revolution and to celebrate the event you dragged the so-called camera up Irazu behind a horse. One never can tell.

With the best of good wishes,

Married:

1922

Lankester Orchids - Jan - Febr 1926

A great collection - (5700 nos.)
6-7 names.

- ✓ 1086 Epidendrum Carali Schltr.
- ✓ 1116 Sobralia aff. Warcewiczii R. f.
- ✓ 1090 Epidendrum sp. nov.
- ✓ 1079 Stanhopea Wardii Lindl. ex Schlecht.
- ✓ 1057 Homalioptalonium costaricense Schltr. ex Chase
- ✓ 1042 Pleurothallis dentipetala Ames
- ✓ 1085 Nitycia triopala Lindl.
- ✓ 1084 Galeandra Bayreutheri Rchb. f. ^{First C.A. record}
- ✓ 1017 Stelis Panzschii Ames
- ✓ 1084 ~~Stelis~~ densa Lindl.
- ✓ 1081 Polystachya muscivora Rchb. f.
- ✓ 1068 a Calanthe mexicana Rchb. f.
- ✓ 1080 Cuscuta ~~sp.~~ Lindl.
- ✓ 1068 Galeandra ~~sp.~~ (Sw.) Lindl.
- ✓ 1064 Stanhopea ~~sp.~~ Rchb. f. & Schlecht.
- ✓ 1060 Stanhopea ~~sp.~~ Kränzl. ex Chase
- ✓ 1058 " ~~sp.~~ Rchb. f. ex Chase
- ✓ 1039 Pleurothallis villosicaulis R. f. var.
- ✓ 1050 "
- ✓ 1050 "
- ✓ 1063 Stelis affinis Schltr.
- ✓ 1010 Stelis ~~sp.~~
- ✓ 1051 " " " var. ~~sp.~~
- ✓ 1062 Stelis ~~sp.~~
- ✓ 1101 Stelis ~~sp.~~
- ✓ 1061 Stelis canaliculata Ames
- ✓ 1065 Brassia longissima Schltr.
- ✓ 1083 Epidendrum ~~sp.~~

Call this 253 in Ordinance. Thomas Sullivan

AMES BOTANICAL LABORATORY

355 COMMONWEALTH AVE.

BOSTON, MASS.

February 8th, 1926.

My dear Lankoster:

Here is my report on a great collection. You may have many criticisms, but I like them, and, of course, invite them. Systematic botany is at best a matter of opinions. And in the realm of systematic botany, orchidology is a hotbed of disagreement. Often a determination is made with preconceived ideas, and then error is like an eel. It slips in when you believe there is no possibility of entrance. So much for introduction; now for the report on the great collection.

1086. *Epidendrum Caroli* Schltr.

1116. *Sobralia*; Aff. *S. farcucoides* Reichb. (How I hate that name.)

1090. *Epidendrum* sp. nov.

1079. *Stanhopea Wardii* Lodd. ex Lindl.

1057. *Homalopetalum costaricense* Schltr. ex char.

1042. *Plourothallis dentipetala* Ames

1005. *Netylia triseptala* Lindl.

1084. *Salpandra Beyrichii* Reichb. f. First Central American record.

1017. *Stelis Lankesteri* Ames.

1082 *Acineta densa* Lindl.

1081. *Polystachya masayensis* Reichb. f.

1068a. *Calanthe mexicana* Reichb. f.

1080. *Coelia macrostachya* Lindl.

1068. *Govenia utriculata* (Sw.) Lindl.

1066. *Isochilus crassifolius* Rich. & Gal.

1060. *Mazdevallia Lanckheana* Kraenzl. ex char.

1058. *Masdevallia flaveola* Reichb. f. ex char.
 1059. *Pleurothallis volaticoides* Reichb. f. var.
 1050 & 1070. *Stelis* sp. nov.
 1068. *Stelis effusa* Schltr.
 1010. *Stelis* sp. nov.
 1051. *Stelis* sp. nov. var. of 1010.
 1062. *Stelis Lankesteri* Ames.
 1101. *Stelis* sp. nov.
 1061. *Stelis carnosiflora* Ames & Schweinfurth.
 1065. *Brassia longissima* Schltr.
 1082. *Epidendrum difforme* Jacq.
 1047. *Maxillaria pachyacron* Schltr.
 1096. *Habenaria alata* Necker.
 1049. *Epidendrum paleacum* Reichb. f.
 1099. *Xylobium* sp. nov.
 1098. *Pleurothallis plumosa* Lindl. ex char.
 1103. *Pleurothallis serotina* Schltr.
 1064. *Dichaea japonensis* Lindl. flowerless specimen.
 1048. *Congora amandae* (Lindl.) Reichb. f.
 1067. *Epidendrum Williamsi* L. forma.
 1105. *Osmoglossum anceps* Schltr. Genus probably will stand.
 1104. *Congora quinqueovata* Ruiz & Pavon. God help me.
 1097. *Mormodes Colossus* Reichb. f. fide Lankester.
 1108. *Oncidium stenoticum* Reichb. f.
 1107. *Pleurothallis decipiens* Ames & Schweinfurth.
 1106. *Pleurothallis longissima* Lindl. A new name for this is necessary.
 1109. *Sobralia*, sp. A good plant of this is necessary for identification.
 1100. *Epidendrum ochraceum* Lindl.
 1111. *Pleurothallis glomerata* Ames. Perhaps only a form of *P. ruscifolia* R. Br.
 1110. *Oncidium bryolophotum* Reichb. f.
 1112. *Epidendrum radicans* Pav. ex Lindl.
 1091. *Systeloglossum* Schltr. sp. nov.
 10175. *Odontoglossum* sp. nov.
 1114. *Stenomastichus Standleyi* Ames.
 1113. *Cattleya Beckeri* Kl.
 1115. *Epidendrum spondiadium* Reichb. f.
 1093. *Ponthieva racemosa* (Walter) Mohr
 1089. *Epidendrum ramosissimum* Ames & Schweinfurth
 1074. *Stanhopea* From here on I give names of species for which plant parts are
 1075. *Muntleya Burtii* needed. Please, please, please.
 1076. *Miltonia Schroederiana*; 1077. *Cycnochos*; 1078. *Warszewiczella Wendladii*;
 s.n. *Maxillaria Endresii* fide Reife. 1069. *Stelis aff. sarcodantha*.
 1056. Genus? 1094. *Oncidium ochrotechilum*? 1043. "Cryptophoranthus"
 1053. *Cryptocentrum*. 1095. *Maxillaria*. 1102. *Scalochilus*. 935. *Arpophyllum*.
 827. *Epidendrum*. 942. *Maxillaria*. 841. *Pleurothallis*. 917. *Pleurotyallis*?
 920. *Pleurothallis*. 922. *Trichopilia punctata*. 1073. *Refersteinia*. Of this
 no flower, no plant. Have a heart.

Lankester. February 8th, 1926

AMES BOTANICAL LABORATORY

355 COMMONWEALTH AVE.

BOSTON, MASS.

Page three.

I have a letter from you that is very interesting because it calls into question a number of my determinations. This letter arrived just as I was about to prepare and correct examinations and I put it aside for future consideration. I must get this letter from the file and give it a thorough examination. Then I shall be prepared to tell you how valuable your criticisms really are.

I completed reading the last of about three hundred examination papers this morning. Now, I feel that freedom that comes after a bit of work well done. From now on I am practically my own master, and I expect to get results. I have a new paper on Costa Rican orchids in preparation and my mind is full of all kinds of ideas.

Standley wrote to Maxon that he had seen you. I suppose by this time you have put coffee aside long enough to show Standley where some of your pets live and thrive.

We have just had a heavy snow storm. The worst in years. A friend of mine who livestwenty-two miles from here, took the four o'clock train in the afternoon and reached his destination at one thirty the next morning. They put three thousand men at work to dig out this city. They attempted to complete the job on Sunday, but, there is plenty of snow outside even to-day. It is weather like this that makes your Costa Rican climate take on a touch of fairy land.

I want very much to have you press some Theobroma flowers for me. I would like to have some in alcohol too. Is that too large an order for your busy hand? Also some coffee flowers in alcohol would be welcome for class work next year. I believe Schweinfurth has sent down another crop of bottles. Use some of them for this ignoble purpose.

With the best of good wishes,

Oak Cms

MEMORANDUM

P. O. Box 32

CARTAGO

C. H. LANKESTER

LAS CÓNCAVAS

Cartago, Costa Rica, Feb 8 1926

Dr. Prof. Oakes Ames
 355 Commonwealth Ave

Boston, Mass.

70811 Imp. Alsina

My dear Ames,
 Here are three genii imprisoned in your last
 bottle (V.S.S.) & methinks # 1119 should please your
 lordship. I am going to Peralta tomorrow & across the
 Reventazon, the peones have gone ahead to put up a shelter
 of 8 sheets of zinc, about 250 yards from the river, I want
 to get that Epid Pseudo-trallisi that was found there 6 months
 ago. I am thinking of developing another little banana farm,
 but the disease is so bad that it is becoming very disheartening
 work & the depressing monopoly of the Fruit Co denies to Costa
 Rica its just need of people from this industry.

MS. A. 9. 2

It's rather sickening to see a man like Horner weeping bitter tears
at the increase in rubber ^{price} (of course the British & European manufacturers
have their rubber given to them free) why doesn't he turn his spot
light on the methods of American Companies, working in tropical
countries, more or less under the aegis of the U. S. he will find
much to surprise him, & may even contemplate the fact that
many of his years worked at a loss or barely making expenses thousands
of acres of rubber were abandoned & destroyed subsequently in
the annual bush fires. I saw many such myself & also thousands
of acres of splendid coffee, thrown away through England's refusing
import to coffee from her own colonies. Well, that's nothing to do with
orchids, & I hope you enjoy the contents of the bottle more than this
drivel of mine.

Haste deapures.

Faithfully yours

Ed. Lankester.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Feb 24. 1926.

My dear Prof Ames,

I am delighted with your letter + list of determinations of Feb 8 & 15, - I must try your indulgence for my silly interjections + remarks, yet on occasion one is left wondering; how nice it would be if one could trot across to your library + say. look here - with a living plant as evidence, + not the soulless dust alone. There are so many puzzles + of course it is very difficult before abundance of material is amassed to the same of the limits of polymorphism or even variation in size due to favorable ecological conditions or the reverse. Some genera seem to me impossible, *Leucactis* + *Sobralia* (by the by I suppose your *hete*, in parenthesis, was detected at San Francisco + not Rehb.)

Something should be done about Polak names, they don't look sanitary. I had a bunch 1090 would prove new, it is one of the very few interesting things ever given to me, this is from M. C. Collarino who I much regret to say the Fruit Co has hauled away for home service, such a nice chap + I see his name in some of your publications as sending specimens from Polynesia, (whom the Gods love depart from Costa Rica.)

1084, I am much surprised to find this is a *Gallandra*, in this district I have found it on 3 occasions only in 1914 saw an immense plant of it on the Quezate (more or less Boreocian territory) + had always thought it *Corymbia* -

Note. 1068 + 1068 a. the number first cited in the poliacous part of the same specimen. both: are *Calanthe mexicana*. unless a misc. of has occurred.

1087. Cannot with truth be called forma of *Epid. citian*, I can assure you it is a hybrid, *falcatum* x *citian*. the pseudo-balls are pendant. Orchid collected in C.A

1104. *quinqueveneris* is correctly cited by Standley as the plant figured, this is doubtless another species, very common in C.R.

General

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

1108. How does this differ from *Sphaecelatum*, it is ubiquitous in CR especially on the Atlantic slope or abundant almost everywhere until wiped out by orchid hater (i.e. the "gente" who strip them from the trees in flower, take them home & say 'how pretty' & then arrange for them to perish miserably) There are still a few fine plants on this farm & Lord Kums how long they will escape some friend of this description.

1111, ho, I believe you ^{are} correct in regarding this, tho' it may possibly be a monstrous form, at least its greater dimensions have been maintained in cultivation here under adverse conditions without any tendency to depauperation or return to *microfolia* size. Standley picked good specimens from my plant, which must have some 300 leaves, the flowers I must admit are very similar.

1091. *Dystelogyssum*, well at least I know the generic name of this thing. Rolfe was interested by the flower, but of course he died long before he got into the Reichentachian cupboard. I have two species in cultivation, that sent to you is from Cañal, with a brownish flower, the other from Peralta has a charming little emerald pink bloom which I have only once seen & it is one of those things that escaped preservation during a bottleless period. V. S. S. Yea verily, Anastasis also hurled a scream at me yesterday for cartons with screw tops, this I relay to you, & in my reply to him I suggested that we should approach you to donate vast quantities of flasks to the CR museum that he & I, while this present collecting storage exists, should work down duplicates for the herbarial collection, to amuse future orchid lovers & to render identification of some difficult species a less nerve-wracking feat than wading through reams of descriptions. The museum here is more or less a joke, a nice *anexo* archeological collection, ~~birds~~ quite good, but the rest tragic. Some of your men of might have spent large sums in ravishing nature in the tropics

These remarks apply to # 1056 not 1091
Bob
on list.

Begging.....

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

111

to adorn the Museums of the world, it would be a gracious act if a return in kind were made to Central America by the establishment of a real museum. Guatemala or C.R., preferably the latter of course. Ford & Rockefeller ought to see to this. (Sorry Gardner!)

1017 B. Something wrong here, probably me, but my record shows this as the Helis from Estrella (Cartago) that you refer to S. Lankester Ames. In your letter you suggest Odontoglossum of course. were there not possibly two labels in the flask & 2 specimens. I cannot trace anything approaching Odontoglossum in the adjacent numbers, up or down. Truly, a Mesaspicidium? pale yellow flowers.

Then as regards the flowers sent without vegetative parts, it sometimes happens that I have only one plant & little chance of replacing it, or it appears to me that the preserved flower of a very common sp. of which you must have abundant material from other sources may be of interest.

1094. Is the species you described from Cañal sent by a Alfaro, Opananiforme, I think, it is a very close relative of ochmatochilum. but is a valid species & only found at Cañal in my experience & even there it is not very common, whereas ochmatochilum is wide spread & a very common plant. I saw Rolfe good material, but the living plants died so he did not care to purchase. I recollect my disappointment

at the flowers turning black.

I believe 1074 must be the true S. Costaricensis & not Rolfe's figure in Bot Mag, but of course this is merely wild conjecture.

1056. I find I made a blunder on Psychoglossum which I had referred in my mind to this number, 1056 is the species of the group of 2 that I sent to Rolfe, it looks like a Bulbophyllum, 1090 appears to be one of the Compantaria tribe.

Many of the others will come to you in Standley's collections as he has been to Rejivall, my visit there land inspecting gave no time for getting specimens, I believe he will make a great haul

in all botanical groups, it is a wonderful locality,

1073 a. You say, "no flower, no plant" How come? -
I put a perfectly good flower in the flask, some
bootlegger must have drunk the format & given the
flower away, up to date of sending it had retained
a wonderful perfection of colouring.
All right, I'll let you off now, before you explode.

Thanks again,

Yours very sincerely,

C. H. Lancaster.

Theobroma flower. } Can do -
Coffee flower }
with patience.

MEMORANDUM

P. O. Box 32
CARTAGO

C. H. LANKESTER

LAS CÓNCAVAS

Cartago, Costa Rica, March 17th 1926

A Professor Oakes Ames.

38 Commonwealth Avenue

Boston - Mass.

70811 Imp. Alsina

My dear Ames.

I had acknowledgement of the little packets Jan 28th is somewhat overdue, though they took more than a month to reach Concepcion, two friends from home have been here & rather absorbed time. Paul Handley was here for a short week-end & from what he tells me you had a busy & interesting time ahead of you.

For my part little of attraction has accrued, except one Mesoleptus from the hot country that may be the elusion in attenuate for all I know, it faintly resembles some of the illustrations of Mesoleptus, (mostly so unlike the live plant).

We said for home on way 12th it so little may be expected
duned 1926 from your devoted correspondent

C. H. Lankester.

MEMORANDUM

P. O. Box 32
CARTAGO

C. H. LANKESTER

LAS CONCavas

A Prof Oakes Ames

Cartago, Costa Rica, May 13 1926

Boston, Mass.

70811 Imp. Alsina

My dear Ames,

Standley tells me that he had the luck to travel north with Tom Bartow, but I regretted the news that you had been unwell. I hope you have quite recovered & that all eight are now firmly well. A deplorable & iniquitous crew of specimens go to you, accept my apology, may I hope that one may prove of some use.

This in the middle of the end of packet, tomorrow we hit out for Brighton, so you can imagine our state, a more is a twosome thing for me with orchids & bromeliads to pack.

The neronodes? of which a dried bulb is sent, must be a nodate orchid, I have not seen across it before, & the flowering of this - a fine looking Gongorine from San Carlos with tetragonal bulbs promise much interest, just look at the dried floral stems on

C. H. LANKESTER

that bulb, probably they are sequential as is the wont of Nerine, but it is astonishingly floriferous & the size of the bulbs promises well for the flower. I have 5 or 6 Acaenas with a trace of spikes each. to open in a months time, very sad to have to leave them.

Isn't that the most delightful news one hears from Galton, I think that is just the most splendid sunset for the old boy, more power to his elbow. We tried at Cristobal, but I understand our stay is too short to allow us to run across & see him, very poor luck.

And then no more till next December.

It would be immensely kind of you to have word when we learn, if the spirit were more you

With warmest regards,

Faithfully, your

C. H. Lankester.

C/o Westminster Bank
Bonnemonts.

MEMORANDUM

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A Prof. Oakes Ames

Boston

Cartago, Costa Rica, March 26th de 1927

Mass, U S A

74065 Imp. Alsina

My dear Ames,

Even with flocks of apprentice mistakes, this will be easier to read than my strambotic handwriting, do I hear cheers?

The question is, Can a *Masdevallia* be polymorphic in its flowers? Herewith a flower, one of two that have appeared on a plant of *M. Reichenbachiana*. You have had material & a photo of this plant, & heretofore it has only produced flowers, as my #1000, of course the present available evidence is neither satisfactory nor conclusive, as the "plant" is a small group brought to me some 4 or 5 years ago by Alfredo Sancho from La Estrella de Cartago. & may actually contain more than one species, my deduction arises from the fact, that I saw a plant with flowers like this exhibit, in England, labelled *M. Reich* etc.

Again, apparently this is from that section of the group

in one pot of plants

Wp. 2000 1000 2000 2000

Wp. 2000 1000 2000 2000

Wp. 2000 1000 2000 2000

Wp. 2000 1000 2000 2000

Wp. 2000 1000 2000 2000

Wp. 2000 1000 2000 2000

MEMORANDUM

HACIENDA LAS CÓNCAVAS
DULCE NOMBRE

A

Cartago, Costa Rica, de 192.....

74085 Imp. Alsina

that has always borne the typical short sepalled flower with tubular calyx form of what I take to be *M. Reichet*, Item, I saw somewhere else ~~the~~ long sepalled form labelled *M. Schroederiana*, hence my semi-conviction the darned thing is polymorphic, I remember how poor old Pablo Biolley concealed the fact that his pet *Peripatus* proliferated violently one night, just before the fact of their ~~parthenogenetic~~ ^{parthenogenetic} habits was published, he was a rather liberal soaker and feared he was only "seeing" em.

Well, thats enough for now, I took a skate around in the Atlantic forest 10 days ago, but found little of interest for you, some masses of *Coryanthes* pleased me very much, I hope to flower them in due course; but fear they may not like our present night temperatures.

My very best to you,

Sincerely yours,

C. Lankester.

July 3d, 1927.

My dear Lankester:

It would seem that the seas of the world had passed over my dam since my last letter to you was written. I have had so many interesting things to do in connection with duty, that many things I desired to do in connection with pleasure, have been neglected, postponed or forgotten. No sooner had I finished with my lectures in the University, than President Lowell appointed me Supervisor of the Arnold Arboretum, Botanical Museum, Biological Laboratory and Botanical Garden in Cuba and Chairman of the Council of Botanical Collections in Harvard University. I think my titles speak for themselves. But in all this there have been many times when my thoughts have turned to Costa Rica and when my memory has been stirred by the thought that I owe you a good camera of whatever type you think will be useful in your work. May I expect a letter from you regarding this camera business?

I moved into the country early in June and began to make ready for another attack on my monograph of the genus *Stelis*. I still need some good drawings of Schlechterian types and I hope to obtain a loan of the Schlechter Herbarium before the summer has passed on its usual way. This is to remind you that I still count on you for any specimens of *Stelis* you have the goodness to prepare for me.

You sent to me a *Masdevallia* some time in the winter. I worked on this specimen in connection with your observations and I have a note ready to send to you. It has remained on my desk very quietly, And I intend to send it to you very soon.

Recently my interests have been so centred on the Harvard-Yale

boat race that I have done little else than speculate about about the outcome of the event. My son rows bow oar on the Harvard Varsity and I wanted him to come out ahead. He did in a close race which was rowed on the AmericanThames/a little more at New London, than a week ago. This four mile grind takes grit and a high degree of courage. A boy who rows on a winning crew has to have in him a large amount of the right stuff.

I hope that the Brenes incident is closed. A long time ago I sent to him a liberal sum in payment for specimens he had sent to me. He returned my check saying that he did not want money; he simply wished to have his specimens identified. I have sent to him a complete list of determinations, but I have not received a word from him since. I am afraid that Mr. Brenes thinks I am a rotter or something akin to that species of human being. I am telling you this so that you may know what has been done should evil reports reach you.

To come back to the camera: Do you think a regular plate camera would be better than a box-type? And do you think a 4by 5 would be about right for size? I suppose that a film-pack adapter could be supplied even with a regular plate camera. Ahythin you say will receive my very best attention.

Keep a sharp watch for odd forms of Stelis. I want to do a good piece of work on this genus and I realize that the resident collector must be looked to for aid and suggestions.

With the best of good wishes,

Yours faithfully,

C. H. Lankester Esq.,
Cartago, Costa Rica.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

July 17th 1927.

My dear Annie.

It was a very great pleasure to see a letter from you in the mail today. You have been a marvellously kind correspondent & I often look through your letters at odd times & congratulate myself on such amazing good fortune. & it is to be hoped that one may still find in Nature's bounty items of orchidological interest to be forwarded to you, some few flaws must yet remain for time, place & opportunity.

I have just spent a fortnight with my fellow sufferers from Orchiditis, C.R.P., & it was a very delightful time of talks & then talk, I wish we could have had you there as High Priest of our cult. possibly a few tangles might have been unravelled.

I set down a few days ago to send you a few notes & these are enclosed, they degenerated into a chat. you must forgive my discursiveness. It was my intention to send you only the two Encyclicas referred to, but I shall add the few other species that are ready.

Also I shall send an oil-painting of Dobsonia leucocantha as a small offering to the American Orchid Society, if they care to have it framed for one of their rooms, where doubtless some or many orchid pictures are displayed & this is a species both likely to be in common cultivation, so few can have seen it in life.

As regards the camera, a desideratum is that it can render life-size pictures, whether this be attained by original focal length or by the addition of a spare lens, as I saw Mrs Chamberlain use in my orchid shed on an ordinary small Kodak.

5x4 is an excellent size, or postcard size, how about the usual Autographic Kodak with a fairly useful lens with ability to make the aforesaid life-size picture? Ease of carrying is desirable for best work.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

my ancient old "Montana" that excited such jeers of derision, could
& did, make remarkable good pictures.

The Graphlex was a magnificent instrument; but its jets couldn't
stand the vagaries of our climate, or didn't anyhow, I know you think
my post-headedness put it on the blink, just my rotten luck; but at
its shining best our more capable hands than mine, it lacked that
most necessary faculty of equal size reproduction.

Minor Keith has just sold his 4 Coffee properties, including
"El Estero" into which I tried to drag you, to one Florentino Castro
for \$1,000,000⁰⁰, I don't know what the individual value was, but if
you had fallen it would have been great business. Entre amo, I am
commissioned to visit & report on all the properties concerned & all
the additional holdings of the said purchaser, about a 6 weeks job.

James Rehn of the Academy of Sciences will be here in a
fortnight & I hope to make one trip with him & a long cherished
wish to revisit Pazo Azul may be realized - also. I know of a
very bonny & almost certainly new Elleanthus on that road,
there also occurs Coeliosia hypochromea, (of which I found 5
very fine plants at Ollona, from Ping's last Chiriqui trip, which
also added Symplocos americana to the Panamanian flora)

I shall take a press along in American interest & a spare
mule for living plants, but I fear time will be short for botanizing
the roads will be a real surprise to James I am sure, he'll hate
the smell of saddle leather by the time he hits the Parrita & we
have to cross that delightful stream 4 times, if it should be
in spots he shall have fun in the family.

It is good hearing your bug is low in the Harvard light, here
hoping Yule lat, I haven't seen a boat race since 1900, though we went
to Henley last year & saw some fine finishes under glorious conditions,
which qualify my statement & refer it to the Oxford & Cambridge struggle.

I congratulate you on all your new honours; but hope most of them are
sinecures.

Well, my visit to Balboa has been in some ways unsettling
many things would have discussion with you. I do feel certain
that Geography alone was responsible for some of Schlecter's
new names & in other cases enthusiasm for colour differences may
have swayed him.

It appears certain to me that the eastern end of the
Chiriqui massif terminates the natural range of our endemic
group & the political boundary just misses rounding off a
very nice natural division & really rather complicated things.
C. W. P. has a very great enthusiasm for the political entity of
Panama, but (Chiriqui) & (Veraguas Panama) are very
different ecological regimes.

Your guiding hand would have been a welcome control
in the preparation of his pamphlet of the Panama Orchids,
you probably observed the inclusion of the Biologia list,
without any explanation & this it seems to me was a very great
pity, now that the Garden is under official & presumably
scientific control, in fact several odd points occurred to
me only to be discussed in confidential chat without suspicion
of malice.

Borny about Brenes, neurasthenic or near madman;
but a charming nature when free from apprehensions, he has
prosecuted orchids for fungus, the noxious *Dryden* evidently threat
the Dutch, of course one realizes mycologists must happen,
but ~~also~~ orchids. I ask you.

More Suspicion.

Ep isthmi } ?
" piliferum. }
" floribundum. }

Yours very faithfully

W. H. S. Gentry

August 1st, 1927.

My dear Lankester:

Your good letter of the 17th July has just come in. I wish I had the power to put into one sentence all the shades of meaning your remarks suggest. It would be such a pleasant thing to do if one could simply write the reply to a letter as the sentences are read and the thoughts they call up are fresh and crisp. After reading what you have written to me I find that my reply comes off the machine haltingly, although I am sure that my immediate reactions if they could have been caught on the wing would have been of more value to you both as information, ~~and as a contribution~~ ^{as a contribution} I would so like to run on at confidential length about dear friend Powell and his brave attempts at scientific accuracy. If I could have been at his elbow in the early days of his correspondence with Schlechter, I could have saved the world from a burden of confusion. After all is said and done I bow my head in reverence before Powell. He performed well under unknown limitations. He simply lacked that training in exactitude which is the fundamental necessity of research. Last winter I worked on a tourist's flora of Canal Zone, doing the orchid part for Standley. This flora has not appeared yet, but you will be impressed by the synonymy carrying Schlechter's name. When I settled down to the task of reaching the bottom of what I had come to realize was a mess, I spared nothing in the way of study and critical comparisons in my effort to get at the truth. I may have gone off the track in places, but by and large I think I made a contribution to the knowledge of the Orchids of the Canal Zone. Some of my conclusions may disappoint Powell, but from my talks with him I know that he is more interested in the truth than in the upholding of error.

I shall be at my wit's ends to know what to do with the painting of *Sobralia leucoxantha*! Our Orchid Society has no rooms and so far as

I know, there has not been any attempt made to establish collections for the use of members. What shall I do about this?

I am bound for Boston tomorrow. I shall have time to look about the camera shops and I think I know just what you need. I am not in favor of the kodak with portrait lens attachment, because the focusing is so much a matter of blind chance. Of course the life size portrait is the great need with the little fellows of the orchid realm, but it is just among them that the clear detail of floral structure is important.

It would have been such a delightful experience to become rich beyond the dreams of avarice as a result of Costa Rican coffee ventures. I have thought of your proposal more than once since it was made. But I am such a timid investor.

You're quite right about the relationship between plant distribution and political boundaries. The red line on the map has no meaning for plant life, although there are many men who depend on less conspicuous things in limiting the definition of a species. The late Dr. Schlechter surely looked at the place name on the ticket before he attempted identification. Of course within reasonable limits this is a wise and very helpful thing to do, but plant distribution is a fearful revelation of the powers of some organisms to spread over the earth, and and to catch the slovenly and lazy scientist in the trap commonly called error. The Isthmus of Panama is has some bad lands in the vicinity of the Zone. Poor orchid country. What happens on the Costa Rican side as the higher altitudes are reached you have discovered. The big question is, however, what is the part played by the Colombian element in the Costa Rican orchid flora? At the present time we regard the Zone as a barrier of a kind and we do not ^wfix much with the Colombian element aside from the known tropical weeds, when we attempt to identify an unknown and probably undescribed species.

When I began my work on Philippine orchids I used to go religiously to work to run down every species in a genus before I attempted a description. Soon I learned that there were certain islands that had very special floras and that some mountain tops were like islands in great seas over which distribution by usual means would be impossible. I proved this again and again with *Acoridium*. When I went into Spanish Honduras, a country from which only eleven or so orchids had been reported, I expected to find a distinctive flora. What I found was a continuation of the Guatemalan flora. I could name the species as I met them. And on a pine ridge that I was informed ran from far north, I picked up a truly Mexican element. This of course, refers only to the coastal regions. I imagine that in the interior of the country there are valleys where endemism would be of a Costa Rican type.

I understand that you think *Epidendrum isthmi*, *E. piliferum* and *E. floribundum* are one and the same. #1 and #2 are certainly the same. I do not have my notes by me at the minute, but I am under the impression that Reichenbach for geographical reasons made *E. piliferum* distinct from *E. floribundum*. I have studied *E. floribundum* until I grew sick of it. Then I had an assistant boil up and make camera lucida drawings of every specimen he could find in herbaria. I decided that there was only one species in the mess. I have seen the type of *E. piliferum* and I remember that I chucked it into *E. floribundum*. Memory is a fearful thing in science so please do not take these remarks as authoritative. At a more favorable time I must answer your question when specimens and notes are beside me.

I am interested in your reference to the paintings of Costa Rican botanicals. Let me have more about this.

I have just stopped long enough to read a few lines of this letter. The samples make me feel strongly that the time to stop has come. I sometimes wonder if the typewriter is a blessing because of the clear letters, a curse because it interpose itself between the writer and his powers of expression.

Faithfully yours,

NOV 13 1908

POST CARD.

ADDRESS ONLY
TO BE WRITTEN HERE.

Chas. Schweinfurth Esq
Botanical Museum
Oxford St
Cambridge, Mass
E. E. U. U.

das Sincere
26. X. 08.

Thank you for letter of
13th inst. first information
that my seedling of Oct 29th
had arrived.
As the list of determination
you refer to has not arrived
I will send it tomorrow
before returning packet

Comment.

#1056 The plant died during my last absence at home & was never to be replaced.

Triphylia pumilata was Roffe's determination of this plant.

#1176x was preceded by a dried specimen sent to Prof. Ames, soon after collection.

Feb 23. 1928. The locality "R. trails" is the new forest opened up across the Rectangular by the bridge built at that mile post on the F. C. C. R. elevation 900' - 1700'.

#1213. Locality Provi, no date of collection. Early this year my student, Whitt E. Payne,

in doing flowers accompanied the plant after. Regard.

Calvin S. J.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Dec 1st 1928.

My dear Professor Ames,

The visit of your future President to San José appears to have been a great success, I regretted extremely not being able to go over & cheer him in the street; but communication as still a bit interrupted, it will be interesting to see if his visit will effect any improvement in the operations of the U. F. C. in this country.

I sent a bunch of orchids to Mrs. Hoover unfortunately not a very good one as it just so happened, if it had been next week a big bouquet of *C. trianae* would have been possible, *Laelia anceps* type & white, 3 *Cypris* & a *Brassia* Catt with sprays of *Orchid stenotis* was the best I could do.

Do let me have a note on the plant sent Dec 6th when you can manage to do so, I have a few more in preparation, today a very charming *Orchid* has flowered (from the Pozo Azul trip last Aug involvement), very much in the way of *Stenanthus*, coming from the Pacific coast at 90 metres it is probably a Panamerican sp.

Last week flood is a blow to Costa Rica & a very heavy loss to the Drink Co I am sorry to say, my locality "52 miles" from where that curious little *Mastomys* came from, is more isolated, as the bridge erected 3 years ago by the Govt was one of the many to go

I had just ^{begun} ~~started~~ to cut banana from the small
plantation already started, so this effort is really
"ripped in the bud" most of the framework close to
river level was destroyed - 9 mules went sailing to
glory. My orchid house (for hot country species) was
entirely destroyed, though a friend there salvaged
one *Phaiacopsis* I am happy to know, though whether
or no I shall ever see it again is highly problematical.
I must report not having registered for you the
Curima tenertoides that is there in abundance, a
fine species, of which I once sent you some dried
bulbs as if a new sp. of Mormodes!!

We are supposed to have a *Sulophia* here, but this
is quite unlike the plants of that genus I saw so often
in ^{so} many parts of Africa, so that I fail to find a clue
to its generic position, the flower is curiously reminiscent of
Psecatia curina, the poor specimen I had, was
in the office here - left to wither overnight & completely
disappeared - rats, or want girl?

Have you any recollection of a very nice about
a *Masdevallia* flower I sent you in a letter, it
occurred in a pan of M. *Reichenbachiana*, but is widely
different, though I suggested it might be a polymorphism
I feel sure that was a rotten idea, but if you ran it down
a note of this would greatly interest me, no further flower
has been contacted, the part of the plant that produced it was
killed off & it grows through out robustly.

With warmest regards

Faithfully yours

Ed. M. L.

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

Cartago, Costa Rica, Dec 28 de 1927

A Prof Oake Ames.

225 Bay State Rd

Boston, Mass.

75795 Imp. Alsina

My dear Ames,

Just a week of thankful acknowledgment of yours of Dec 9th, it is good to know that the camera is imminent, & I trust it will not be so personally complicated that even close reading of the book of the word will leave me high & dry.

I note the photographic future you plan for me, blessed is he who expecteth nothing; but I hope an occasional film will meet with your august approval, nicely situated orchids are not often seen, but at times nature is kind & will deserve a permanent record.

I thought the circumstances of our struggling artist were placed before you in my letter (Oh I see you say you have not at hand the desired epistle) Well, this laddie, who must be about 56-60 by the by, plays his art here & very seldom a knife & fork, no crowds of eager buyers obstruct his sidewalk, in fact the prices he demands for his work are rather too high for the Costa Rican medium, he asks about \$20 for such as the Dobralia sent you & around \$25 & up to \$50 for slightly larger & more ambitious subjects such as a big Douriana for instance, few people here have reached the stage of distributing such sums for pictures. I thought you might like to adorn

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A

Cartago, Costa Rica, de 192.....

75795 Imp. Alsina

your herbarium walls with some of them, I suppose it would not pay to issue a series of tricolors under reproductions of them with a few graceful words of introduction to each from your pen.

At present he has as ambassador to the Missouri garden, Dr Schepino (the Rockefeller man), who is interesting himself in getting his pictures placed there, so if this fails I will advise you again in case you would care to invest in any of them.

The old chap has put together an admirable collection of local orchids, largely collected for him by Alfredo Grade, whose name may come to you from the pages of Schlechter. He has a large number of most interesting small rarities, I saw at my last visit 3 paintings of Botrychia Pflanzii, a globose species with a panderiform leaf (He has it labelled S. Wrenckii, but Grade tells me it is Pflanzii, my name) of Epidendrum roseanum (laterale) aroused some division in that learned camp, for he has not Ep. Stamfordianum any been known as the only Ep. with radical inflorescence. Yes verily.

From my Pacific trip with Jimmy Rehn, Neomodes praecipua is in bloom a very fine Neomodes, equal in bulk size to Colossus, has a sheath 22" tall (quite erect) with 20 buds on, buds are 10"-11" high.

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A

Cartago, Costa Rica, de 192.....

75795 Imp. Alsina

this I surmise may be M. igneum which I have never seen; the buds should open in three or four days & may provide a feast. M. praeiflora has an extraordinary pungent aromatic smell, not precisely attractive but definitely repellent like Ep. brassardii or the Quercium you christened with my patronymic.

It may be many a long day on the camera reaches us, the railway line is all shot to pieces by slides & wash outs, a furious "temporal" has been raging on the Atlantic & even here we had more than 20 cm of rain in two days. Ducks' delight.

We are hard at work picking, & the haulage up the steep slope of this farm is quite a game under present conditions.

I look forward keenly to the receipt of list of determination which should come by next mail, the name of the Eletia? being a point of especial interest.

My hopes of a fine raceme of Lycaeus spectabilis were dashed by the plant proving to be an Acinetus, however I have the first named here & some day it may flower; never once has ~~any~~ of my several Crysanthes perfected its flower, they grow almost to bursting size & then collapse from

"spot"
 Saloam, Havana & may 1928 bring you stories of health & much interest in the daily round,

Yours and
 C. H. Lankester.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Jan 4. 1928.

My dear Ames.

Some kind genie of the N. F. Co has spirited your camera to Cartago, whence it arrived safely to me today.

It is a superb contraption & I hope you will eventually derive some satisfaction from its prowess here; as you promised, the various mechanical gadgets have revealed their inwardness & application.

As yet the full meanings & possibilities of the 3 lenses await discovery & exploration, as the book of the words is not discussed on this head; to get the exposure values a packet of plates will be a useful medium & I hope to find some in San Jose, as the tentative shattering of a whole film pack is a dread possibility.

Very many thanks for such an interesting weapon, now to play some of it —

I've hoped for determinations, but yet to hand, may arise on Friday, when your great Lindbergh is also expected & we hope to attend. The talk in his honor on Sat or Sunday night.

Jalagam, hokum,

Yours sincerely

C. H. Lankester.

Bot. Museum,
22, Bedford St., Cambridge, Mass.,
June 14, 1928.

Mr. C. H. La Voisier,
Cartago, Costa Rica.
Dear Mr. La Voisier:

In searching recently among
the dried material which you have
sent to us in formalin from time to
time, I found several plants still
unsolved because we lack herbarium
material. You know of our wish for
specimens and -leaves of plants of *Limnium*
(No. 1136) and for the plant of *Mosillaria*
(No. 943).

Besides these we lack a plant (as well
as good pollen) of #1056 a peculiar small
flower.

Also kindly send us plants of numbers 1095
a *Mosillaria* allied to *M. alba*, 917♂, a *Phaseol-*
metallina, apparently one of our new, unpublished
species, 922, "*Trichopilia punctata*", 935,
Aspophyllum, 837♂ *Epidermum*, 1053, *Crypt-*
centrum, 1109 *Sobralia* (we have good flowers
of this marked 728 which is complete herbarium).

Your # 681, marked *Lochloma Sackville*,
= *S. Pittieri* (*L. variabilis* #48)

1073, marked *Rapanea*? or *Chondria*
atypica, *isothallus* *Boiss.*

920 (single fls) = *Platanus*, *Canadensis*
Schultze

872 = *Platanus* *S. Fawcett*

Also please refer me to the Herbaria
collecting of *Salvia chrysocoma* ~~at~~
which you can some time refer me for
info.

Thanking you in advance and asking
you of an estimate of your orchid
discoveries, I am

Sincerely yours,
C.S.

North Easton, Massachusetts, June 14th, 1928.

My dear Lankester:

To help you ~~separate~~ those Epidendrums referred to in your last letter, I have supplied a key. I described Epidendrum alaniense in 1922, (Sched. Orch. #1: 13). The description should aid you materially in separating this species from E. ramonense Reichb. f. and E. Mooreanum Rolfe. E. alaniense, by the way, is the same as Encyclia Hunteriana Schltr. I think you may safely exclude E. meliosma Reichb. f. from your mind. This is a very rare species, known only from Mexico. In referring to it a Costa Rican species, Schlechter took a leap in the dark. As a matter of fact, Schlechter was not ^{so} familiar as he should have been, with the types of the Mexican and Central American species of Epidendrum.

I have over sixty new species to describe from Costa Rica. My intention is to get these out next autumn. If you have any suspects among your recent finds, send them to me at your earliest convenience so that they may be studied and pushed into the light.

Your photographs are certainly welcome. I still think your results would be better if you used a reading glass when focusing. The Zeiss lens I sent to you is capable of doing outstanding work in the direction of detail. The landscape pictures are excellent, but I am not sure that your local expert gets the best results in developing and printing. Would it be a good plan, do you think, to send me one of your film packs for treatment here? Surely the United Fruit office would see to it that anything sent to me would come through without abuse in the Custom House at New York or Boston.

It seems a very long time ago when your last package of specimens came in. Are you too busy to satisfy my inordinate cravings for a few crumbs from your feast?

Faithfully yours,

Charles Ames

MEMORANDUM

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A Prof Oakes Ames.

Harvard University.

Cartago, Costa Rica, June 22 de 1928.

75795 Imp. Alsina

JUL - 9 1928

My dear Ames,

Here's my famous orchid! Do I hear your cynical smile? Do be nice & say it's a beautiful new genus, but I fear it may be one of those things that "very common in Bolivia & Greenly Island" amongst your favorite herbaria. There have nothing in this chap, here.

The picture of the bird's nest came out quite well & will follow shortly, of typical bromeliad appearance, one of the spikes is successfully preserved (well, you know, for me that is) & the other is a lovely

wet 'un. Large size photography is greedy of bellows, your very gorgeous lenses exceed the camera in point of capacity in spite of apparently generous provision, I think the lenses are "underbellowed" about 2". I wish you had had H. E. Stoll at your elbow, a prince of good fellows - an ace of photographers, at the time you so kindly interested yourself in my equipment!

There is a delightful *Pleurothallis* to photograph tomorrow,
one from the Lago Agrio expedition, it is probably one of
the Chiriqui species.

Stork has got some fine stuff for you, I wish it
were possible to get out with him now.

It's very sad I failed to focus this picture
sharply, but I simply can't see in now, well I've
been married twenty years tomorrow so the long view
becomes imperative.

Yours,

Yours sincerely

Ch. Lankester

MEMORANDUM

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

Cartago, Costa Rica, June 26 de 1928.

A

Prof Oakes Ames.

Harvard University.

Cambridge, Mass.

75795 Imp. Alsina

JUL - 5 1928

My dear Ames,

A hurried note with enclosure of the famous plant at full length - *Oncidium Reichingerianum*. This latter occurs at from 1500 to 2500 feet, being most abundant in the Fin valley, an affluent of the Chiriquí flow. Of this species I saw in flower a magnificent purple variety, flower much larger, at our visit to dear old C & P last year.

In about a fortnight I shall clear up the material in preparation for you, it will not be large but I trust a useful accession, the Lycopodium & the species pictured herewith go with high hopes, there is a suggestion of anthropophora - the Ku Klux Klan about this famous plant.

With cordial greetings

Ever yours

C. H. Lankester.

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A J. Charles Schwinjunks

Cambridge man

Cartago, Costa Rica, July 2 de 1928.

74065 Imp. Alsina

My dear Sir,

Yours of June 14th received with much interest.#1136. *Limodorum* sp. This is now growing in the garden. I can supply the material required, sooner or later. A great rarity.1143 ~~at~~ ~~supply~~ the material required, sooner or later. A great rarity.

943. see #1143. Hence I am not sure if bulb & leaf was sent. Photo # 943. also. (before mounting plants separately)

1056. Will not be available unless collected again. also a small plant. ♀

1095. Is *Maxillaria iridifolia* - a widespread sp.

917 + a was sent complete. only found one at Pejivalle, perhaps Dr N. E. Stone may find it, he has some there today.

very long thin secondary stems, verrucose.

922. *Trichopilia punctata*. collected at this year ago, it lived here for many years - disappeared, as do so many small sp. on me of our absence.

935. see # 1139. for good specimen from same plant as a.

837a An unique collection, Pejivalle, I am little likely to find this again.

1053. Probably I can supply this.

1109. Is alive. thriving, will try to supply.

681. Plant died. not likely to visit San Carlos again.

Of this genus I have collected two species, one from Cartago with small ochraceum fl., the other from Pejivalle with pink fl. a few nice things are ready, shall be ready.

The actual history of the painting was that it should be
presented to the American Orchest Society, but Prof. Ame said
they had nowhere to keep it, I will see Emilio Span as
soon as I can go to San Jose & ask his opinion,
He expects from \$20 upwards for his pictures, so of
course here he has a very hard time to make a living.
Any letter to him should be in German or Spanish.

C. H. LANKESTER

MEMORANDUM

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

Cartago, Costa Rica, de 192.....

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A

Cartago, Costa Rica, de 192

74065 Imp. Alsina

1073. These are always very rare, it is just possible I may find it again.

841a I have in cultivation doing well. Set you again under 1162 probably, but not absolutely certain.

The painting of Ochroma leucocantha is the property of the artist I imagine. It was sent in the hope Prof Ames might like to acquire a series of such pictures of local orchids, but I suppose their high cost would prevent their sale, next year I hope to take one or two to England on his behalf (Emilio Oyar) & I have no doubt they can be placed over there. Dr Schepino of the Rockefeller foundation tried to interest the Missouri garden without success however.

I wonder if Herr Albert Bunge would like a series, if so the artist's address is simply San José, Costa Rica & if you have an opportunity to show him the picture I should be very grateful if poor Oyar can get encouragement. (He has a splendid collection of the smaller sp. of orchids here.)

I appreciate your letter very much. I found on looking up various things collected in the Páramo, that nearly all had been made known by a man of your name or was it yourself.

Yours faithfully,
Frederick Oyar

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

Cartago, Costa Rica, July 28 de 1928

A Prof Oakes Ames.

Harvard University

Cambridge.

74085 Imp. Alsina

My dear Ames,

Here is the result of a sad happening. The film
 pack was too large for the chassis & I suppose I forced it in, with
 the result that something carried away inside resulting in
 a ligonon non exposure of part of each film, a very disappointing
 event as they cannot be repeated for another year, perhaps the
 "close up" of *Pleuro Insekheimii* may give you a print.

7 = *Dichaea* sp. (tristis?)12. *Lycaste* (*Daviana*?) Camaridium of white
 from Pacific slope. I think one of Paville's species.11. *Pleurothallis muscipula*.8. *Epid firmum* & sp. *Centradenia*, growing in wild state.10. *Pleurothallis* (*dotichopus*?).4. " *Insekheimii*.3. *Maxillaria Reichbaldii*? = *M. compressa* ???
 (Ames)6. *Oncidium tractestum*5. *Stelis lanceolata* (Ames) growing with *Epis brassardii*.9. *Cattleya Folia*.

1 & 2 hole away with the safety paper.

What a gorgeous event the N.Y. Orchid show was, I wish
it had been possible to see it.

I hope soon to get your parcels away, I have had
many interruptions lately, with my husband's work,
with cordial greetings,

Yours faithfully

C. H. Lawrence.

My regards to Dr. Carson.

University Museum,
Oxford St., Cambridge.

July 31, 1928.

My dear Dr. Lankester: -

Thank you for your letter
of July 2nd, the numbers 1143 ~~and~~
1139 ~~there~~ referred to do not appear
in our "alcoholic" collection. About 922
which you call *Trichopitia peristata*
I am much ~~satisfied~~ ~~you~~ ~~call~~ ~~it~~

¹ ~~*Trichopitia peristata*~~, for it does not
answer the description of that species
having twice smaller flowers with
simple serrate lip. Two flowers
in alcohol only were sent.

Prof. Bruce is ~~much~~ pleased with the
Sabalia painting of Spar and, ^{says he} will
take it at 5/20. I have also shown it
to Mr. Albert Beverage but he does not
feel interested in acquiring such pictures

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

Cartago, Costa Rica, Aug 27 de 1928.A Charles Schweinfurth EsqUniversity Museum,Oxford St. Cambridge Mass.

74065 Imp. Alsina

My dear Sir,

My thanks for yours of Aug 9th.

I think you will find a wet specimen of #1143 under #9434
of which #29 is a plate.

Diclopitina punctata, was determined as such by Allen Rolfe,
it is many years since I collected this

Another Marcellaria has recently flowered & provided
a good specimen & food for thought.

#1072^a was determined by Rolfe "ex char" as M
Indraeii - now this is a fairly common species of the hot
Atlantic coast, which as far as my slender knowledge of
Indrae's movements goes, was not visited by him & I think it
very likely that the somewhat similar species also referred
to is the real M Indraeii as it came from a ravine
hillside that slope up to the main line of Indrae's way in
to the interior. It is much more floriferous than the tentative
M Indraeii & has very small pseudotubels, whereas that has large
flattened very rugose ones, almost like those of One ampliatum.

The lip differs in form. Colors the sepals are much narrower & acuminate. I will go out & pick you a dead flower of which the plant has many left; my proximate garden only awaits the complete denudation of ^{the specimen} of this plant, my hopes are that several of them will prove of exceptional interest.

Your news about the picture is most gratifying for the artist, he has a hard struggle here, would you kindly see that the draft is sent direct to him, Emilio Span, Artista pintor. San José, C.R. will reach him.

I saw him on Saturday & took him a few hybrid flowers to see, D. L. C. Doatella was a revelation, he grows a very fine collection of interesting native species him self, he has to live in a cheap part of the town & he fears that he may receive notice to leave at any moment as a new building is threatened.

I judge from the date of your letter that Dr. Pietris was wrong in his idea that Prof. Ames is ill. I sincerely hope so. I will ask you to give him my kind regards.

I'm very sorry to be unable to claim the doctorate you confer on me, nothing like that in this house.

Yours faithfully,

C. L. Kentel.

Lankester plants, Sept 1928

- 1196 *Cynoches Tonduzii* Schltz. ex char
Can you send herbarium specimens - i.e.
leaves + bulbs, also fresh flowers?
- 1192 *Oncidium Reckingerianum* Kränzl
- 1200 *Momodes stenoglossum* Schltz. ex char
probably
- 1199 *Momodes atropurpureum* Lindl
- 1183 *Epid. exila* Ames (small fl.)
- 1182 " *clavatum* Lindl.
- 1178 *Pleurothallis luctuosa* Rehb. f.
our first specimen!
- 1195 *Physosephon minutiflorum* A. & S.
- 1177 *Stelis pandipax* Rehb. f.
1179. " *parvula* Lindl.
- 1180 " *hymenantha* Schltz.
- 1134 " " "
- 1214 — " *despectans* Schltz.
- 1210 *Pleurothallis pruinosa* Lindl.
- 1188 *Stelis thecoglossa* Rehb. f.
- 1198 " *tricuspidata* Schltz.
- 1162 *Pleur. vaginata* Schltz. probably.
- 1189 " *Conyathes Nevenhamii*
where is this species published?
Please send complete herb. specimen as per coll.
as per list.

This is a sample of the work this machine will do.
 This is a specimen of the kind of work a machine of
 this type will do after two years of idleness.
 Entoc. This is a typ of t
 nunitiooottthhnnuulll
 This is a sample of the work this machine will do.

E p i e n d r u m m i
 E p i e n d r u m i m a t o p h y l i l l i l l i n d l
 E p i e n d r u m E p i e n d r u m i m a t o p h y l i l l i l l i n d l
 E p i e n d r u m i m a t o p h y l i l l i l l i n d l
 E p i e n d r u m i m a t o p h y l i l l i l l i n d l
 E p i e n d r u m i m a t o p h y l i l l i l l i n d l

1205 a Sigmatalis sp.
 1206 a Spid. Sclerommatus Scler.
 1207 a Pleurothymus A. 45.
 1205 B Plectyl comp. Omer
 s. n. Star. P. n. Scler.

- 1181 *Catasetum* sp. nov.
- 1213 *Maxillaria* sp. nov.
- 1212 " " " " aff. *M. lep-*
dota Lindl.
- 1202 *P. pycnodes* Rolff, nov. aff. *P. pycnodes* Rolff
- 1190 *Lepanthes* sp. nov. aff. *L. Cham-*
eleon Ames.
1136. *Limodorum* sp. Thank you.
- 1176 *Mesaspis* sp. nov. aff. *M. linear-*
ifolia Ames.
- 1211 & *Fragaria* *monticola* Rolff (flower
leaf)
- 1216 & *Elleanthus* *albertii* Schlth. ex char.
(Kindly send herbarium specimen of
this plant.)
- 1203 & *Sobralia* *Pepinoi* Schlth. ex char.
Kindly send herbarium specimen of
this plant.
- 1209 & *Pleurothallis* *Blaisdellii* J. Wats.
- 1204 & " *Ceras* Ames
- 1208 & *Stelis* *Tabernaemontani* Schlth.
- 1217 & *Epidendrum* sp. - Only a single flower
is sent. So kindly send herbarium
specimen of this plant.

Secretary & Director of Prof. Brown

Drafting Room

Field Museum data of Standley Herbarium

Plants

Occurrence of plants

Manilla letter - F. Brown probably

La Plata Society -

Shall I send list of determinations
as soon as made.

See also notes - 10 new Cactaceae
sent by letter of

2. *Pithecolobium*
3. *Epidendrum* (solitary fl.)
4. *Schubertia* Pfaffia S. & G.
or ...
5. *Maxillaria* (C)
6. *Clusia* (D)

Best General Book on Plants of
Chile.

~~Barros Schindler~~

1205 x *Sigmatostalix* sp. aff. *S. hymenantha* Schltr. We have this species but are awaiting German material.

1206 a *Epidendrum Schumannianum* Schltr. (not *E. Wallisii*)

1206 Kindly send herbarium specimen.

1207 a *Pleurothallis nana* A. & S.

Platystela compacta Ames

Stelis effusa Schltr.

What are the data for these last five plants which were contained in one bottle?

1201. *Lycaste candida* Lindl. (*L. lanceolata* Kl.) - 3 lips: very odd!

Also kindly send complete herbarium specimen and fresh flowers of #943, a *Maxillaria*. Only dried flowers and photograph were sent.

And a complete herbarium specimen of #1109, a *Solravia* which appears to be new.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Aug 6. 1928.

My dear Prof Ames,

I am at last getting off the long threatened
sending of records, which I hope to take
tomorrow to Mr March's office in the
expectation that he will gladly send them
on to you.

I am sorry that #1217 is not dry to
accompany the single flower sent you in
alcohol. This Epid of the umbelliferous group
is quite new to me - possibly new or from
the Panamanian flora.

A few fatuous phanerogams are included for
Standley's benefit when next you happen to be
sending him anything.

#1203 & a seed like *Sobralia* I hope to complete
at next flowering time. The plant is growing well.

1202 &. Standley gave me these plants & probably you
have it among his specimens.

1209 &. Shall be completed in due course.

1211 &. At least a bottled *Fryea* for you.

1213 &. A quaint densely tubed *Marsippospermum* quite
new to my experience.

1190 & a. Some *Lepanthes*.

1184 & a. I hope to have this raised some slight interval.

1176 Look in the upper portion of the flask for the
flower, a little gem. The fls are pendant.

It goes out. I must rise with the (messenger) back to
catch tomorrow 7 o'clock train in Carfax.

I sincerely trust the rumors heard of your
illness were unfounded or that in any case you
are up on deck again.

That ambitious young man who develops my films
in Carfax has just made a fearful hash of a
film plate & plates. I hope his rabbit dies.

Salvage, however,

Yours faithfully

C. H. Lankester.

It is perhaps ungenerous of me to lay all the blame
on my developer; but you can judge his technique
from the enclosed.

MEMORANDUM

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A Prof Oakes Ames.

Harvard University.

Cartago, Costa Rica, Sep 8. de 1928.

74065 Imp. Alsina

My dear Ames,

This is a wait for phials if you still desire more pickled orchids, a trace of cotton would be useful to have in reserve. I have one or a few phials on hand; also if you have a spare pair of straps for plant-press that is a "pressing" need of mine.

I took the specimens to Mr March yesterday & he was most kind & is sending them through to you by hand of the Capt of the W F boat leaving today, would you be so very kind as to have sent to him a word of acknowledgement (Mr M. M. March is Gen Manager of this division)

I shall hope to send you two best specimens that did not dry in time, to complete in one case what appears to have a chance of being a new species, by next mail & I hope soon to hear of the arrival of the sponsored bundle.

I have *Lycaste porcellii* (Rehder) in flower, a beautiful sp., this may be quite a genuine sp., but what has become of *Lycaste Tricolor*, Rehder quotes it as from high up in Chiriqui

If any of your family has philatelic leanings, the postmaster on your last letter was a special one to celebrate the arrival of the Mexican airmail. Robert Fiers.

while Powell collected ^{his} near Panama, but I do think that further collection is necessary to confirm some localities given, as it is possible that in his early days he relied too much on memory, which may have been faulty in certain cases.

In due season the plants of *Odonoglossum powellii* (Pell.) flowered synchronously with my *O. schlieperianum*, & I can only say it will take a much keener eye than mine to see any difference between them.

The plant of the *Ep. floribundum* group that I expected to turn out your *Ep. lanceolatum* is true in bud - is quite different from either apparently, it has sessile cylindrical racemes of buds (which should open during next week) & it will probably be one of Schlieper's (of Winkler's collection) as it came from the upper levels of a region much worked by that unfortunate being. It is a strong grower much like *E. floribundum* in general appearance, possibly *E. piliferum* is a feminine of & this may be it - or one that I found last year on my Pacific Trip, yet to be prepared for you - is certainly not a dwarf *E. floribundum* & may be either new or the said *piliferum*.

With best regards.

Yours very sincerely,

C. L. Hawkens.

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

Cartago, Costa Rica,

Oct 5

de 1928.

A Dorsal Sepal of *Epiphyodes*. 6 m/m." " " *allianis*. 16 m/m.

a flower of each is enclosed for comparison.

74085 Imp. Alsina

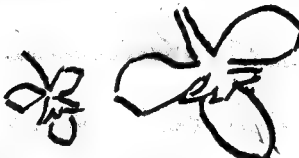
My dear Prof Ames,

The famous *Epidendrum* of the "Floribundum" alliance is at last in flower & it proves to be a *Myodes* raised to the unpretentious power. In due course you shall have specimens & I trust, a good photograph of this most interesting species.

I have not seen another instance of such exact reproduction of one flower in a much greater dimension, the stem & foliage have greater divergence; but are of course very similar with exception of size, the young leaves are purplish in this big species, I think always green in *Myodes*.

You may remember that the foliage of this plant & the locality where found suggested to me it might be your *Ep. Lankesterii*, the first appearance of the buds however dispelled this supposition, it is a plant of extremely vigorous growth & doubtless had optimum conditions in that rich ecological medium.

at about 8000' on the northern slopes of Dragón, but I cannot believe that it is simply Ep. trigodes raised to supreme development by conditions of growth. I should like to explore that region again (not easy by the by) & it will probably prove a rich field & possibly prove this sp. to be as abundant there as Ep. floribundum is in many stations. I do not think trigodes is very common anywhere, though widely distributed. It is a plant of reed like growth with slender stems, the other has, beyond difference of size, a much more robust appearance & softer leaves.


 An approximation to respective appearance
 of flowers. Colors identical. Ochroma orange
trigodes. Dragón sp. Pl XV 15/5



The atrophic petals of this section of Epidendrum have always excited my wonder, have you ever speculated on their origin, & has this filamentary petal any confining geographic range or does the section of Epidendrum with that feature, occupy the whole Territory of the genus.

No letter from you as yet acknowledging receipt of the last parcel. Sincerely awaited.

Dalman, Hibernia.

First published by ...

Botanical Museum,
Oxford St., Cambridge,
Mass., U.S.A.,

Oct. 13, 1928,

My dear Mr. Lankester, -

I Thank you for
your letter of August 27th, which
awaited the arrival of your pack-
age of specimens. The determination
of these has doubtless reached you.
It was a nice collection with
several new species and I look
forward to having my desider-
ata answered before long. Of
course you will realize that
flowers without herbarium materi-
al or vice versa are often not
~~only difficult~~ only impossible
to determine but also inadequate to
describe as new species..

> As to the "*Trichopilia punctata*" there
must be some mistake as it does not at
all answer the description.

Recently sent the draft to Eugene Spar.
I shall send the phloem and preserv-
ing straps, requested in your letter of
Sept. 8, as soon as possible.

Meanwhile I am especially an-
xious to receive data about the
new *Masdevallia* ^{1176^f} (minute tufted
plant sent ~~by~~ in formalin) ~~with~~
bearing the only data "52 Miles".
What does this mean? Where &
when did you find this plant?

Also I lately decided that *Maxill-
aria* 1213 (^{plant} sent only in formalin)
cannot reasonably be considered
distinct from *M. piastopus* and of
Schlechtlii ^{though varying somewhat} ~~more~~ ⁱⁿ ~~process~~. There was,
however no date of collection sent,
so kindly forward this.

^{insight} about No. 1056 is not *Sepalosocerus*, as
you might reasonably ^{suspect} think, but a
strange genus which we can scarcely
describe without vegetative parts.
Thanking you in advance, I am,
Yours sincerely C. C.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Oct 15. 1928.

Dear Dr. Arce,

I fear a parcel sent to you through the U. S. Co. must have gone astray, this is very sad as so often some specimens are irreplaceable, & there were two of exceptional interest among them.

Another lot of films has just been developed & though a few are spoilt others are quite fair & herewith you have them.

An Steniscus from "52 miles" surprised me on turning out to be H. bidendata, I had thought it a Pacific slope plant only. #89. (A charming record this).

#88 & #88^a are of my presumed row of from Drayton, the one I surmised to be E. lankesteri on foliage evidence.

In #88 I made you a picture ^{with} its near relative Z. myodes & with a foot valve as control, by its side.

91. An attractive Lycaste of which you undoubtedly have had good material from C. W. P. I wonder how this differs from L. Tricolor.

Will you kindly ask the Druid Co what has happened to the parcels sent you on Sep 8th? I saw ^{them} in by my own hand at head office here.

With regards.

Yours very sincerely
C. H. Lankester.* 1 parcel dried spec.
1 " wet "

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Oct 26, 1928.

Prof Oakes Ames.
Boston, Mass.

My dear Prof Ames,

In my great delight an intrinsectum has arrived today from your curator that my famous parcel actually reached you, which is all to the good, I had feared.

I find in your kind letter of Sept 7 a reference to my proposals in the Amula screen set up in my own mind against Ep. ochlecterianum + conjectum - you have cleared the matter up for me, though I should be inclined to think this is one of those hardy species that attains great zonal depth & is somewhat modified at either extreme.

(Do not Ep. tinophlebium + pachycarpum a parallel case? though here there seems enough justification for specific differentiation).

Now I shall bore you with an explanation, probably in 1912, Allen Rolfe took me down to the houses at Kew where several of the things I had recently sent him, were growing, & seeing a plant of what you now tell me is E. conjectum labelled E. lankesteri, I told him it was strange that so common a sp. could possibly be new, he never published it & almost certainly found out that he had simply failed to recognize E. conjectum in its living shape. At this point I looked up Ochlecter Catalogue &

Have you received Pictis "Planas House de Venezuela"? If so, do tell me if the plant labelled Epid. leucochilum is exactly identified, it looks astonishingly like E. cilium.
Facing page 32b. Pictis says Rolfe wrote "leucochilum" on back of photo.

was photostiched - *Cochlosiphia bycinthoroma*, *Almstedtia deweyi*, *Oncidium panduriforme* (Carr)

note that Rolfe described *Crypsium* in 1913. Well, it may be this happened at my visit in 1920, in any case you will see I had no knowledge of *Crypsium* as a species & thought *pericoma* a first publication.

Ochloanthus
Into the merits of the floral differences you cite I cannot venture to enter, this I do know, that out in exposed situations both leaves & flowers are more or less strongly tinged with dusky purple. i.e. *E. crypsium*.

I was interested to find that the quaint little *Mascillaria* sent from Orizaba in *Ochloanthus* *in priestopus*, it must be a very rare species as I have never found it, & your dear friend Orms lived for 6 years collecting orchids near the locality from which Dondy sent his specimen, apparently without running across it.

Such things are easy in C.R.
My plant was brought to me with 5 or 6 other plants by an old man of ours,

I don't know whether Orms has collected any more orchids but he is still on the museum staff I understand; someone told me he is a bastard brother of Julia Acosta & is more or less a permanent picture. He is a very charming chap in some ways but neuroathetic & unbalanced.

For many years he was teaching French in various first schools here & that may have put him on the track.

Saludos.
Yours very sincerely
C. L. Hitchcock

#1176. T. Schreinfunk asks
me about this, especially as
regards locality. I sent you
a flowered plant, ^{dried} about last
March in a letter - this
year I have done so in 2
cases, a very wonderful
Stelis (to me) from Acosta
& the above #1176; of this
latter the living plant is
doing well & I should be
able to complete in due
course. I took 1176 to
be a Scaphosepalum - I
suspect Masdevallia, in
any case a marvellous
little thing to turn up in
hot country about 1000'.

here several pieces are growing
quite well, but it may not
flower up here. I hope Mrs
Ams will delight us with one
of her perfect drawings of this of

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

4. XII. 28.

My dear Prof Ames,

Just a huge heap of thanks for yours of 15th ult.
did I make any rude remarks in my recent effusion? if so
all are hereby cancelled.

1178 Pleurothallis lustrata was growing in quantity
up on a very old Acnistus arvensis in an open & exposed
position at Sabanillas, (4500'). I have still 2 small pieces
in cultivation & hope they will provide you some day with
the further material you desire, a delightful little species,
by the by, I doubt on the validity of the specific name.

For plants of Ep. behemannianum see # 34.
Dr. J. Kaye was here when I found this plant & he begged
it from me & his wife & daughter were in San Jose to see
it, so you see he had to have it, but the fellow plant
is now in bud & you shall soon be rewarded, this is a
glorious orchid, I found it in Barapipi just in 1901 &
Biolley to whom I sent plants, told me it was Hallii.

May last - 3 pieces I sent to Charlesworth & Co hoping they will grow it
successfully, the facilities for growing orchids at Kew are ludicrously
inadequate, they butcher nearly everything I send them; but
it's not the fault of the human element, however I no longer send
great varieties of difficult culture there as it's simply throwing them
away.

Brymlostichis — I rather think this last plant, though
very similar, is well distinct from hymenantha, it is much
more densely floral (that's what I take to be hymenantha mark
you) I hope to send you both species again, one of them is not

11

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

- in bud again, this genus produces two, possibly more? series of flowers on the same scape. even if capsules set from previous anthesis.
1196. *Cycnocheilus tondoyii* - I will send pickled flower in due course + a photo; but a bulb + leaf; Quin date?
1183. I think it possible my *Estrella* plant was a young, vigorous one. This is an old widely branched specimen, when leaves + flowers tend to become depauperate. Ep exile.
1195. (*Physocarpus minutiflorus*) Makes an interesting geographic record for this sp., as I think you described it from Chiriqui, how I wish I could get away like Olandley to run the length of the Cordillera from Nicaragua to Panama.
- 1214 an error in numeration, my # is a sp of Loranthus.
- 1210 Why precinosa?
- 1189 *Cyantheus hermanni* - I cannot find publication of this name, but Hermann certainly told me Schlecter had dedicated it to him. I thought it was in Report Spec of 1923, will write to Hermann for confirmation.
- If it were flowers again + you send me plants capsule + holden? it - *Cycnocheilus tondoyii* also, you shall have a wet spec.
1181. Well I thought it was just outside the generic scope of *Catantia*, in any case a most interesting plant. Its so damn cold this morning I can hardly hold the pen.
1213. Schweinfurt says wet spec only, my record says as well as my memory that a dried flower went too. an interesting Brazilian.
1212. This is a beautiful *Maxillaria* + a casual reference to Williams Gardening book showed me that my speculations as to this plant being the true Max. Sudreii were quite wild.
- I have another ally with capsule only, the dried sep-petals are 4" long. This must be a wonderful + probably new species.

111

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

- 1202. Brought from Dilaria by Paul Handley. I can complete.
- 1203α *Sotaria Harris* - is growing & I hope to complete.
- 1217α. Photo # 86. The complete specimens shall go forward soon.

1205 α
 1206 α
 1207 α
 * *Platyedra compacta*
Stelis affinis

} Said to be in one week, if so
 all from 52 hills - 1000' Peralto.
 (Now all, with the birds washed
 away - \$12,000 gone up the spout.)

943. Haven't I. alright will try again.

1109. *Sotaria*. coming along.

Now then, having enjoyed your letter & perusing the description *Wendlandia*, a word or two about photography. My lay out is a windy corridor & as you must know next of the orchids I attempt to register an impression to zephyrs of the faintest description, the depth of focus required means closing the diaphragm to some point, hence long exposures sometimes broken 5 or 6 times by movement of the subject. The lenses out all of course marvellous, but the camera though a very useful instrument for all ordinary purposes is not up to this work the rack work hold the bellows distended at long focus & simply close up slowly (when used with one lens for instance). I have forgotten too much photography to be able to really appreciate such a lens combination nowadays, but if you could get 3 slides made for my old Sennet camera I feel sure it would do all I require, did you try Sennet

IV

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

by the by, I saw recently they were still in business.
Now another point - (cure the fellow -) if 2 cartons of plates
or a pair of straps for the plate press really cost you \$10,
well there's something wrong with your fiscal system in the
States, but if not, such a declaration does nobody any good
except the CR revenue blokes. Alright then.

In the meantime, if the Premo camera folks build by
any chance, metal film pack holders, you could send
me one, you could earn my undying gratitude & if not
I fear I had another of the ordinary kind as mine is
playing out.

Ye gods, how I have cursed these local shops who
have spent so many pesos for me, it is perfectly
dickening when one has to wait a year for a plant
to flower again - perhaps it dies or misses fire.

With regard to your very kind suggestion as to a
major camera of foreign make, may I say this much,
that I do not want you to waste any more money in the
question - if I may make the suggestion it is that
any action you feel impelled to take in the matter should
be referred for advice to my young friend Harry Stone
of Washfield, Minnesota, he is a photographic wizard -
would put you wise to the needs of the case & their most
commercial aspect.

Sincerely,
Yours truly

C. H. Lankester

C. H. Lankester

1162 "*Pleurothallis vaginata*, probably"

I see in Delectis description he calls the flowers glabris, surely he would have qualified this in regard to the interior surface of the sepals which I think are strongly keeled, probably this plant is from well.

It is a notable & attractive member of the genus. This I collected at Pejivalla a wonderfully rich botanical region by the by; the U. F. Co are making a huge coffee farm there.

The damage caused by the storm of Nov 23 is far worse than the first reports indicated & must prove the tremendous loss, it will take the U. F. Co 4 or 5 months & unlimited expense to replace the R.R. tracks & the cessation of a large part of the banana export is a serious matter for the CR Govt & the farmers affected. We hear that Honduras suffered even worse disaster, so that the U. F. Co may be seriously set back this year, too bad, just when we hoped their great prosperity might allow them to open up here a bit on the price for fruit.

Your *Ornithidium lanceatum* is in flower & on our rock altar with *Pleurothallis felida*, both extremely fragrant. The first of carnation or pink the latter honey scented.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

28. XII. 28

My dear Amos.

Your demand for leaves & bark of # 1196 which you refer to *Cycnoches boudinii*, impels me to send you the negative I took of the plant when first gathered, it was a remarkably fine specimen with young buds, I imagine this to be a common plant at the locality as we must have seen a dozen just on our roadside skin throughs, with bad weather we had not much chance for local incisions & I was chock full of ferns too. I can't spare you this plant (which is just in flower now) for a preserved specimen, but a flower has been drowned for you & a slatterily looking thing it is after 3 days immersion. Ye Gods what odd things botanical specimens are!

Look up Photo # 34 which I referred to *prosepsis wallisii*, it is, now that your kindly identification has instructed my groping mind - *Ep. schumannianum* - a perfectly scrupulous orchid, as lovely as *parade conulescens*, indeed it has an almost oriental cast, & this reminds me that down in Sarapiquí there lives a member of this group of *Spitardium*, with enormous terminal panicles of little rose purple flowers, not seen for 25 years, nor shall I get again methinks.

Next year I propose to take the negative of all plants worthy of perpetuation to have a series of prints made by the carbon process, if you would like a duplicate set let me know & I will advise you the quotation before placing the order, a very expensive but the worthiest medium & I believe the longest lasting process available. The colour desired would also be a useful item to know.

I am surprised that 1197 is really *Catolobium*, but I did not cut the leaf across to see the internal section, but all species of the genus the entrance like trigger that *C. tricaracayana* & *Colutea* have? (1197 is *C. Hen's dentii*)

(5)
Five species of *Coccyzus* in those this week, the most attractive being

- ↓
- C. barbata*
- C. americanus*
- C. cristatus*
- C. macurus*
- C. flaccida*

C. barbata. I had no idea it was such a charming species, it has not
been noticed before, most of the species are rather shy bloomers here.

Our eldest girl Mary has just finished her first term at
Newham (a ♀ college at Cambridge) - has enjoyed the experience,
admittedly, many & varied surprises await the head girl of a
small school, modern languages attracted her, I had hoped
she would have taken a French course. Pero que se hace.

Today I have bottled an interesting *Pleurothallis* for
you, a long known species that till now has not been available,
it bears dense racemes of little yellow flowers with a narrow lip & is
very strongly scented, I took a picture of it yesterday, I have
in cultivation a plant that may be the same thing, but much stronger
at least twice as large in stem & leaf, it should flower soon,
I think I have seen plants of this group years ago with pure
white flowers (1900-1903) in those days I used to use the
road (across the Dolegnis & down into *Parajiquis*) that
Indres worked, it's an orchid paradise, Maxon worked it
as you probably got most of the species, I so much want to
know *Masdevallia cupularis*, & suspect, probably quite wrongly,
that *Achras M. leucandata* may be a synonym for it.

Sorry to refer again to *Ep. Schumannianum*, yet we
have a nice plant of this beauty in flower in the front
verandah, the panicle shall be duly pressed for you.

The weather is outrageous, no picking for two days, our
Xmas we spent in Cartago, made very charming for us by our
good friends there.

Hope you & yours are in the pink,

Prof Oakes Smith,
220 Bay State Road
Boston, Mass.

With seasonable salutations,
Yours very sincerely
C. L. Andrews

FERD. NEVERMANN

San José, January 14, 1929

Costa Rica

Apartado 1122

Dear Lankester:- Y

Your letter with the little beetle arrived well and excuse, that I did not answer right at once. I was working on the Cuculidae, which I had here from Washington and Hamburg to be determined and wished, to finish the work. As I told you, I got some from London, Types from Sharp, to compare mine with them and after all resulted 13 new ~~spzzzzzz~~ species. Only the genus Telephanus I worked up to now.

The little beetle, you sent, certainly is a Staphylinidae of the genus Phloeopora probably, I am not too certain, as mine are not worked thru as yet. I am constantly sending different families over to Europe and the States and everytime new ones result out of the lots. May you occasionally write me, where you found it, besides, do you wish it back? I mean on a plant, on which if you know. I suppose you found the Staphylinid on the ground between rubbish.

The publication of the Coryanthes I am not able to give it to you, it may be, that Schlechter did not ~~fixisk~~ publish it, as he was very sick and died soon after, a second flower, I sent him, arrived in Berlin a few days after his death. I put you the letter, he wrote me and you may send it to Ames. He got also a blotom from me by Standley, to whom I sent it in alcohol, in my opinion the only way, to keep them good, even if they loose a little of the colour. To dry and to press them is not possible.

I did not loose any cuttings, but lost 5000 stems at least by the water and wind. The cuttings are now very small and I think most of my bananas will die out, the mud is laying too high on them. The farms gain by it, no doubt, but at first it is a draw-back for one year and after we had it in January, it was too much, to have it in November again. Yust now, you should not have sold Mesopotamia, it will recover next year. I allways wished to buy it from you, but as I had Castilla in administration, I did not want to rais suspicious feelings by delivering fruit at the same platform on my account, you may understand, how I mean it. I am sorry, that you loose the first crop or all at 52 Miles, I think it also doubtfull, that the bridge will be put back again. The railroad looks awfull all the way down and the road is hard. I walked it up after I was caught by the water in the Farm and will have to go down again soon.

I wrote thas letter in a hurry and see an awfull amount of mistakes but hope you will understand it. Any beetle you ever should find and could spare, will be wellcome here to be joined at the collection. I hope to see you some day at my residence. I know, you are at Coffeepicking now perhaps one day. To morrow I am going for 4 days up to the Poas to collect there, Plusiotes shpuld be out allready.

With kindest regards

yours faithfully

Prof Carlos Ames
for reference.

Coryanthes nevermanni.

Ferd. Nevermann

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

2 Enclaves

Feb 5. 1929.

Dear Prof Ames.

Herewith light on *Corymbus heurmanni* - at least, all I can catch from heurmanni's own radiation; perhaps you have glimpsed another ray elsewhere.

There are a few specimens ready for you somewhere, I must ask the wife where she has "hid" them to, as the arrival of a visitor has banished my activities on your behalf; carried on in our one small spare room it is subject to periodic raids.

As soon as this coming parcel goes to you, ~~my~~ with the possible exception of a few photos, my attempts to amuse you with records will come to an end for the present year; as we are going home in April to have a look at the kiddies, with whom we shall have to renew acquaintance, our eldest girl is now at Newham, taking Modern Languages (the usual). I hoped some branch of science would have attracted her.

The dry season has set in exceptionally early & promises to be long & severe. Emmett Dunn, the latest meta-charmer writes me he has just returned from Santa Maria & all the countryside is parched & most unpropitious.

Salams.

Prof Oakes Ames
Steward University
Cambridge, Mass.

Yours sincerely
C. H. Lankester

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

8. Mai 1925.

Sehr geehrter Herr Neveumann!

Beschuldigen Sie gütigst, dass ich die Bekannt-
machung Ihrer letzten beiden Genbildungen etwas hinaus-
schreiben musste. Ich hatte einige Wochen am inneren recht
kostnährigen Grippe zu leiden und selbst nachdem ich
wiederhergestellt war, war ich so schwach, dass ich nur einige
Stunden am Tage arbeitsfähig war. Nun ist, Gott sei Dank,
wieder alles behoben.

Die beiden mit eingeschickten Orchideen haben mich
sehr lebhaft interessiert. Die zweiblättrige *Papilionaceae*
mit den grossen ~~h~~ hängenden Blüten ist eine neue
Goryanthus-Art, die ich als G. Neveumannii Schlk. dem-
nächst beschreiben werden. Es ist die erste Goryanthus-
Art, die ich bis jetzt nur Gosta Rica kennen gelernt
habe. Es bereitet mir eine besondere Freude, diese schö-
ne Pflanze Ihnen widmen zu können.

Wicht weniger hat mich die schwachblättrige Davilla
interessiert, durch ~~die~~ diese ich noch nicht bekannt
gewesen. Sie soll als D. Neveumannii Schlk. ebenfalls
Ihren Namen tragen.

Sie würden mir nun einen grossen Gefallen tun, wenn
Sie diese Ihre Sammlungen in gleicher Weise protokollie-
ren. Es wäre von allergrösster Wichtigkeit, wenn Sie

mit von allen in Costa Rica aufzutretenden Vanilla-
Arten in gleicher Weise Material von Blättern, Blü-
sen, reifen Knospen und von Früchten einschicken
können, damit man einmal eine Übersicht über
die Vanilla des Landes und ihre Verarbeitung
geben kann. Aber auch alle anderen Orchideen,
so besonders auch die Kleinblütigen, die am besten
einfach gepresst werden, sind mir sehr willkommen.
Wie diese Orchideen gepresst und zum Ver-
schicken bereit gemacht werden, das können Sie
leicht von Herrn Prof. E. Brenes oder von Herrn Oton
Gimenez erfahren. Die Vanilla-Arten und an-
dere sehr stark fleischige Orchideenblüten, deren
Versendung sonst schwierig wäre, bitte ich in Alkohol
wie bis jetzt zu senden.

Jedenfalls berichtet es mir große Freude, wenn
hiermit über Ihre ersten Erfolge berichtet werden
können. Hoffentlich folgen sehr viele weitere.

In der Hoffnung bald wieder von Ihnen zu
hören,
Ihr ergebener

Dr. Rud. Schlachter.

Botanical Museum,
Oxford Street,
Cambridge, Mass.

May 25, 1929.

Dear Mr. LaPorte;

Your always interesting
specimens (dried plants and bottled
flowers) sent via the United Fruit
Co. arrived ^{last} Saturday ^{May 18} and
their careful examination took up
most of this week.

At my home, I am
henceforth recording you our hearty
thanks and the pleasure they give.

1214 *Ocimum* sp. var. This is
very interesting plant allied to *O.*
latifolium - R. B. G. House, but
with striking floral differences.
For the description, however, see
a complete list of
specimens i. e. pseudobulbs, leaves
& peduncle.

1231. *Platantheris* *haticaulis* Polak

Thanks for the *Ocimum* correspondence. C.S.

- 1140 *Epidendrum fragrans* Sw.
- 1233 *Platanthera allii* Eastw. & Sillb. Raf.
- 1235 *Habenaria monardaefolia* R. & S.
- 1234 *Miltonia Endressii* Nichols.
- 1238 *Cochlospora hyacinthosma* R. & S.
- 1236 *Habenaria alata* Hook.
- 1230 *Trochostylis maculata* R. & S.
(Resurrect plant)
- 1243 *Conyza borchii* Flamm (Sw.) D. Ktze.
- 1245 *Trigeusis Sabotii* Liddle
^{or yellow}
(Commonly green yellowish)
1220. *Epidendrum mirabile* A. & S. ined.
(Based on an album collection from
San Ignacio de Acaes)
- 1219 (plates 87 & 88, very good) *Epiden-*
drum pergamenum R. & S. (large fls.)
- 1221 *Epit. aquiloides* Ames
- 1222 *Campanidium* ~~ma...~~ Sillb. (not
Maxillaria microphyton Sillb.) This
species has the rigidly attached lvs of
an *Oncidium* and should be placed
there if this genus is upheld.
1223. *Cryptocentrum calcareum* Sillb.
- 928 + 1109. *Sobralia* sp. nov. Thank you

1132 *Melilotus alba* L. (not)

(? that is distinct from *Melilotus*
L.) (L.) (L.)

1218 a *Helianthus scaberrimus* L. (not
H. bidentata L.) (not *H. scaberrimus*
2-lobed calyx)

1239 a *Epid. repens* L. (not)
(found in Valencia 61, from Arund)
We have no specimens, so cannot
you send? - can you?

1240 a *Epid. bilobatum* L.

577. *Pleurotheca* *maculata* L. (not)
(a prof. variety)

Pair of *Pleurotheca* *maculata* L. (not)
both *Pleurotheca* *maculata* L. (not)
(*P. pallidata* has few diff. in petals
& lvs)

Cynodes flower: on the other side
it is more *Cynodes* than *Cynodes*
it is more *Cynodes* than *Cynodes*
resembling to *C. vent.* But

Lycodes flower, (called *macrophylla*)
differs from ^{the} typical *L. macrophylla*

for completing the description. For purposes
of description, what is the height of
this plant - ~~erect~~? What are the
extreme measurements of the leaves? The
height of the stem ^{to the top of} (to the top of
of plant) is 28 cm ^{to the top of} of flowers;
the leaves 7.2 - 12 cm long.

1226 *Scleria* ~~sp.~~ *sp.*

(for several specimens in the herbarium
I found an excellent specimen of leaf
measurements are as follows)

1227 *Epil.* ~~sp.~~ *sp.*

1229 *Scleria* ~~sp.~~ *sp.*

(One first specimen of this plant which
was described as *Scleria*)

1211 (plate 86, 5, 6) *Scleria* ~~sp.~~ *sp.*

sp. (One first specimen of this
plant which was described as *Scleria*
& *Scleria*)

1225. *Epil.* *Schumanniana* Sclt.

(Habit)

1224 *Eriopsis* *Wenckeb.* Sclt.

1228 *Majillina* *stenostachya* R.

(fls. ^{to} instead of yellow as stated
in the description)

from Paris, but the description the
was *Desbarbiana* or *Saga*. (*Chromolaena*
Orchidacea, ^{vol} 1, p. 4) with other notes
+ etc.

The new material contained I send
to Prof. *Desbarbiana* ^{after fumigating} *Saga*
of the *Chromolaena* *Saga*

Yours very respectfully

C.S.

assistant to Prof. *Desbarbiana*

For your ~~letter~~ *Desbarbiana*
I am sorry you only the reason for
the *Desbarbiana* *Saga* (P. *Desbarbiana*
with other notes). I am sorry you only
the *Desbarbiana* *Saga* *Desbarbiana*
and *Desbarbiana* *Saga* *Desbarbiana*
Always yours very respectfully (P. *Desbarbiana*
Saga) *Desbarbiana* *Saga*
Desbarbiana *Saga* *Desbarbiana*
Desbarbiana *Saga* *Desbarbiana* *Saga*

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

March 12, 1929.

My dear Prof Ames,

Yesterday at havana, being the fiesta of our "Lady of Perpetual Sorrows" to whom the worthy havanenses have erected a shrine, I & the old lady sallied forth on heavy steeds & en route to the scene of the religious rites (or should it be obscene rites) we explored some favorite old spots of ours & scaled a hill side new to us & there just above a little gully that was a perfect symphony of ferns we found in bud the long looked for terrestrial *Elleanthus* that has, as yet, eluded us in flower. This though only a partial success may prove interesting to you & has provoked me into collecting up the small batch of material to go forward to you at an early date.

I enclose a few photos, others I am expecting shortly from San Jose, & today I have exposed 3 films on a perfectly fascinating *Oreidium* that Harvey Stone brought me from Sta Maria de Dota last year, you may know it by the arched side racemes arching downwards

11 of these laterals on the rachis, buds obpyriform obovate, di-triphyllum at apex, 2 sheathing leaves at base.



sep & pet pale green
frontal lobes of lip chrome yellow,
crest - central area of lip deep cadmium

all segments immaculate. I must write & tell Smith what
a gem this has proved. I tried Schlechter's catalogue to see if
any specific name seemed apposite but cannot find one to
fit in, it may be new, I have never seen in that district but probably
Standley got it there. The plant looks very like one of the
Od Edwardsii hybrids. I can't think how I am going to
press it to give you any idea of the beautiful disposition of
the flowers, each little raceme has the flowers facing away
inwardly in a very symmetrical manner, almost secund.
This most conventional arrangement & its strange coloring
render this a delightful surprise in the genus.

Our day or rather few hours in the woods yielded little
beyond the Eleanthus & a host of inexpressible delight,
what a magic there is in woodland, I did find a tiny
Rodriguezia in seed, tho' I fear this will not grow here,
I used to know it well in the Cañon & Incurrigue woods &
sent it to Rockefeller but has never found one for you. A few
Psecatris elina was the only garden orchid collected.

With warm regards.

at risk of your scorn I have
named #577 Cryptochoranthus again,

it seems to me a perfectly valid
branch of Pleurothallis, a very well marked
out genus to my mind.

Faithfully yours

Chas. L. Kent

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

April 19th 1929.

My dear Ames.

Here is my last letter, ere we go on leave with expected return in November. I hope to get your last & rather interesting selection away through the U. F. Co this or next week, if not, course but forgive me.

A few photos herewith, 3 of *Strobil*
Oncidium from Santa Maria de Dota, a most attractive species. Whether new or not, none of the pictures came out well, but as at least records of mode of growth & the specimen is quite good (for me, that is)

The picture of *Epid falcatum* will show you that this grows in dense shade, (a usual one) & therefore its undulate & apparently xerophilous leaves are an unusual feature & not explained in its ecology.

Adieu.

Yours faithfully

C. H. Lankester.

If you are in England this summer let me know
of Messrs John K. Gibb & Co Ltd
7 Crosby Square
London E. C. 3.

69 Porchester Rd.

Stamming

June 30 1929.

Dear Mr Schweinfurth,

I am very grateful for your letter with determination dated May 25th.

It surprised me that the specimens took so long to reach you as we sailed on April 26th & they had been sent before that date, anyhow they appear to have come in good condition & not to have been altogether dried.

Without my records I cannot appreciate many of the names; but I am very glad

Dr Harkn. Oncid (my # 1244) is a new one

as I felt certain it was, as he gave me only the one plant, it will be necessary to sacrifice

this to supply you with material & unless I can go to Sta Maria de Dota to find another it may be beyond my capacity to do this in view of its interest to me. However the 3 photos depict it with fair accuracy, the bulbs are a thought

more bulbous & obpyriform than those of *O. bracteosum*; but it is much like that plant & I was delightfully surprised when it flowered.

I returned yesterday from Branchville where a 3 days sale of the late Mr Gratrix's collection was held, I got a few nice plants including a white figo, long a hope of mine.

I am surprised that 1233 is *P. costaricensis* as I had thought it an ally of the *P. canae* *P. Wreckleyi* group, it's a long time since I sent it to Rolfe & I must have forgotten the appearance of the plant, this from a very pretty thing in cultivation.

The two *Cycnoche* flowers were ^{specimens from the same} plant, such as their stink considerably in size.

My question as to the two names, were due to their apparent inequality, I had not noticed that 'prunosa' was glaucous exteriorly on the sepals indeed I rather think my specimen an art so.

I saw *P. luctuosa* in flower at Manabato, from a plant brought over with me.

Please give my kindest regards & thanks to Dr. Arce, with my salaam to yourself.

Faithfully yours

Ch. Lamont.

Botanical Museum,
Oxford St.,
Cambridge, Mass., U.S.A.

May 22, 1930.

C. H. Lankester Esq.
La Cincuenta
Costa Rica, C. A.

Dear Mr. Lankester :-

It is almost a year since I received your interesting letter written in England.

We have a number of new species ready for the press (mostly Costa Ricans of Alfaro, Brown, Standley & Watson and yourself) and I have come upon yours, ^{and ~~potentially~~} *Crocodylus* no 1244. Of this we have a good infrascence (about 4.5 cm. long), but nothing else. I cannot even find the three photographs alluded to in your letter of June 30, 1929.

So in order to ^{make} give a good description, I ~~will~~ ask if you will kindly send me the following data: -

Height of plant?

Roots?

Pseudobulb's shape, length, width, thickness, ^{near} surface-^{character}, color, ^{any} ^{thin} sheathing leaves at base or node-side?

Leaf - shape, length, width, apex + base (petioled; if so length), texture, color. Erect? Nodding?

Average length of pseudobulb? Always anchored?

In your letter to Prof. Ames of Dec. 28, 1927, I note that your plants of *Phragma* do contractile in bloom. Can you kindly send us a specimen as we have none in our collection?

Trusting to hear from you before long, I am

Yours sincerely,

Chas. S.

Assistant to Prof. Ames.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

June 5th 1930.

Charles Schweinfurt Esq
Botanical Museum
Cambridge, Mass.

My dear Sir,

I was glad to have yours of May 22nd + recd
 In the following note on # 1344.
 I have not seen this in nature, the material is from
 a plant brought from the Isthm. by Harry Stahl & cultivated
 here. The material sent had therefore some of the original
 native vigor, being to a nearly representative specimen,
 some plants rarely regain natural status under
 imperfect conditions & only deeper specimens result,
 (which often I think, provide new species in herbaria, or at
 least have done so). I cut the plant in half, keeping
 to provide you some day with the vegetative parts, &
 this allows it to ripen but much patience is needed
 at least two years more.

I hope these notes will help you: —

Appearance of plant remarkably like *Cratogeomys*, but
 leaves shorter, plant more compact, buds yellow & deeply
 lobed instead of only very faintly so.

Buds. 2" to 3 1/2" long, rudimentally may be larger in
 stringer from plant.

1" to 1 1/2" broad

1/2 to 3/4" thick, in base third.

Leaves. 2 Basal about 10" up to 1 1/4" width.

2 Terminal from apex of bulb. 9 to 10" 1" to 1 1/4" wide

lanceolate with uneven tips →
leaves of this feature, probably
erect normally, slightly arching
as usual in this section of the genus.



bulbous cuneiform pyramidal
militate, 4? Keelid.

No remarks as to average length can be made, as this
specimen is unique, however it is almost certain that
it is nearly typical, this undoubtedly greater vigor may
be attained in culture, the accurate character of the racemes
would also appear to be a normal & constant character.

It is (if new) a very striking addition to our large # of
species of the genus.

Norman practiflora, an error on my part, I think it
was identified as in strobiliform (No. # 1200. of this you
had wet & dry material. This genus with Cycnoche, Catasatum,
rarely succeed in cultivation here, so repetition may be impossible.

There are a few things preserved for you, a form of Odont
cordatum with dentate labellum, brought to me by Orade,
a pale yellow Psidium from the Pacific slope, a variety that
may be new.

Last week I had the very great pleasure to receive a visit from
Dr. Posch of the Vienna Museum, he is an authority on the
fertilization of flowers & I spent an enthralled morning with
him among the orchids; he has promised to return for a week
end, I should so like to take him up to Santa Clara, but
fear that trip is too much for his power, he has had an attack
of dysentery down in the Pacific.

My salaams to Prof. Ames if you are writing him,

Yours sincerely

C. G. Keelid.

Bartram's Garden
Philadelphia, Pa.

Cambridge, Mass., USA

June 13, 1950

C. H. Lambert, Esq.
Los Comunes,
Costa Rica, C.A.
P.O. Box 100, San José

Dear Mr. Lambert: I received
your cordial reply to my letter of
June 3 last. I will be interested
about the new *Conium* and shall
try to make a very satisfactory
description.

I wonder if the shrub with
pale yellow flowers, mentioned by
you in my note on *Conium* of
Hilleb. (Hilleb. Rep. et. Bot. 19 (1923)
214), if so it ^{will be} ~~is~~ ^{very} welcome
to me.

Yours sincerely

C. S.

Assistant to Prof. Hillebrand

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

June 28. 1930.

Dear Mr Schweinfurth,

By your note of June 18th received last night, I am glad to see you can clear up that *Oncidium*, a very outstanding species, the plant is now just opening flowers again from a depauperate truncated rhachis, it has quite lost its primitive vigour in the way *Oncidium* only too frequently do, but I hope to grow on the division made to enable you to have the vegetative parts, it is my hope to visit the locality where Harry Stark found it & perhaps sometime will then provide further & better material.

I have just been driven in by a violent rainstorm 8.30. a. m. had just focussed with great distinctness ³ flowers of **Phragmopedilum caudatum* out in the orchard house & was on the point of exposing when down it came & enough breeze to obviate possibility of taking the picture.

That camera of Prof Arce is a delightful instrument but is too flimsy for this type of work & it is desperately hard on the body lenses & insufficient bellows extension to avoid merely of their capacity.

At your reference to *Sobralia Pfavii* I looked this up & think your suggestion is correct, this I will send you soon, it is notable for its glabrous glistering leaves of pale pink flower, how this raises the question as to what is my # 1203 & from the same general region but quite a different plant

* from
C.R.P.

which Prof Ames judged to be *Spharum* "esc char";
this is probably still alive & may give further material.
The foliage suggests *Glencanthus* & I had thought it to be one
before it flowered, the leaves are only about $\frac{1}{8}$ " wide.

I have had the good fortune to have a visit from
Prof Otto Porsch of Vienna, whose great specialty, the
ornithophilous flowers, has provided him with intensely
interesting experience in this country, he was delighted
with many of the orchids here & luckily that curiously
fascinating *Catantia* from Carrillo was in flower, May
1181; next week another extraordinary species will open.

Achlecton *Epid. trianthemum* (what an inept name)
I am so pleased that this species survived our 7 months
absence last year & though the plant is not vigorous, I
hope it will continue to thrive. My only plant of *Stelis*
lankesteri died & several others of like nature.

Apropos of this species, Prof Ames allocated to it two
of my #s, one from 7000' the other from 10000', it
is a little difficult to believe them conspecific, though
many things are possible in Costa Rica.

I am,

with regards

Yours faithfully

Collins

My remembrance to Prof Ames if you write him.

1256.

Epidendrum.

Pirris. Pacific
sea level. Coast.

The tip of straggling stem, 15" to 20" April 1929.
leaves reflexed on stem, coriaceous glabrous.
Flowers pale dull straw, in pairs?

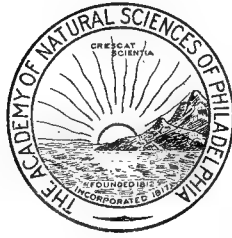
It in Cult. Guacayas May 1930.

Plant keeps along stem in nature, up here
all but terminal leaves drop off.
H. Lankester.

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ELI KIRK PRICE

August 5, 1930

Prof. Oakes Ames
North Easton, Mass.

Dear Prof. Ames:

Among the specimens listed under your account of *Isotria affinis* in Fascicle VII of your "Orchidaceae" is one from Westtown, Pa., June 1, 1887. This specimen was in the herbarium of Westtown School for many years but it is not there now and no one connected with the school at present seems to have any knowledge of what became of it.

Will you kindly let me know whether it is now in the Harvard collection? If it has not gotten lost but has found its way into your safe keeping, it will be a source of satisfaction.

Sincerely yours,

ARTHUR N. LEEDS
Curator of Pteridophyta

ANL/LHC

Las Comeras.
August 20 1930.

Dear Mr Schweinfurth.

I have these few photographs that may interest you, as the specimens accompanying them will probably soon be forwarded also.

We find it impossible to stay out here longer in CR so far from our six children & expect to go home after the next crop is in, so that my possibilities of sending other specimens will soon terminate.

I shall put a manager in here & take a house in Cartago during the time needed to run him in to the work & it is my hope from there to make a few short expeditions, especially to Atitlan which I have never visited, but a Stanley & Forre have worked there, not much is likely to be found new.

I hope you have good news from Prof Ames on his world jaunt, if haply you write him may I send my good wishes for the remainder of his peregrination.

Yours faithfully.

C. W. Townsend.

5 Photos.

With August 20, 1930



12114

Plants - 121

Schubert.

Kalmüller's

Account.

in *Reise Report de*

Pinar.

Herms y others



1884

(Page 123)

1884

Elleutheria of

Human embryos. Acute.

a section of the system of the system.



Coll. Alfredo Brade. by purchase from train.

he says from Candelaria, no exact locality.
an ally of *Odonto cordatum*, tip with serrate edge.

1255.

Photo # 122.



Photo
124

Hamuda,

Pozo Azul de Parí.



125 (Phot)

3 sp of *Mormodes*.

upper *M. buccinella*?

middle *M. abopurpurea*?

lowest *M. Wendlandii*.

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Oct 20th 1930

Dr Charles Schweinfurth.
Guthrie. Man.

My dear Sir,

The arrival of Oct 10th 1930 was a delightful
& surprising incident, does this indicate Prof Oakes Ames
safe return home, if so I hope he has just had a marvellous
trip & come back a braced & contented citizen.

May I show down a few stupid remarks, first of
all:— those that specially appeal to me —

Sotroelia atropurpurea — I should certainly think this new
oil scum — local & not common species of its
region.

Masdevallia punctata.

A dried plant was sent in a letter
before the wet specimen: this is a
little gem — observed immutability at
Mrs Ames delightful pen. certainly new.
Can this really be new? so long known
in cultivation at home — how does it
differ from R dayana?

Restrepia lankesteri.

(Specimen sent?)

Pleurothallis pruinosa.

(Not pruinose here — is represented
on both slopes, the Atlantic form has
243 flowers, Pacific 6 or 7)

P. Rowleyi & P. cucullata.

The latter is over 1 meter high
in strong plants, & exceeds
P. grandis in size — leaves 13"
broad —

Lepanthes grandiflora,

surely a good species.

Epid. intermixtum

also — a lovely plant.

Leimodorum lankesteri

surely an ancient plant, & little
likely to be different from the Mexican sp.

Restrepia

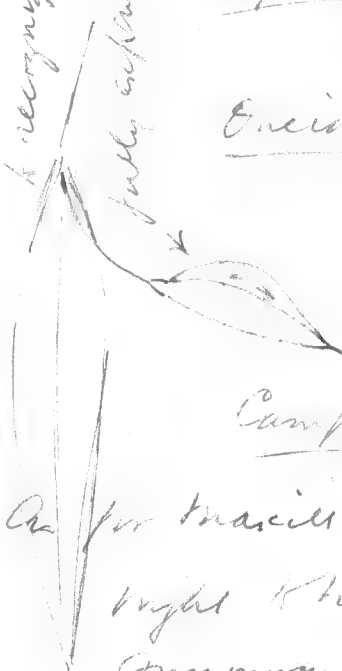
A few interesting specimens an approaching completion.

A massellian Cryptophanum this is in flower. in spite of Prof Guss recognizing

to recognize this genus.

As

fully expanded flower, pale straw yellow.



Catantemum Drave.

a delightful addition to the genus, Do leaves got ahead of me - (are there any antennae?)

Mascellaria arachnidiflora

- a variety of the havans - Cross distinct - you missed a chance to christen this. Mr. Mechusa - a good new species.

Dyspeltoglossum

strange then should be a species of this genus.

Encidium Stodii -

the dried rhachis is the only thing that recalls O. bractearum. It commemorates a delightful association with this pair of good fellows in a trail.

Campylocentrum longicaule

very likely.

As for Mascellaria + Epidendrum - well, I think they ought to be described in the field - otherwise myriad spread Synonymy hepped, my rude opinion.

Polymorphism - juvenility to maturity or sequated old age. difference of station - rock from depauperation to the lush vegetation exuberance of humus-covered horizontal limbs, phototropism, but difference on that account.

Cryptophanum well as wide colour differences, of hue, if not of tone.

Do there appear between the tertarium sheets. then ponder the possibility of Powell's careful preparations as against truckles or mine -

Salacum & many thanks
your apt
Collins

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

Oct 22. 1930.

Dr Charles Schweinfurth.
Harvard University.

My dear Sir,
Today the results of a film pack are to hand & only one is a partial failure, an attempt to render *Siclonia* in the layers here. of the others I send you 3 as being of possible interest: —

126. *Mascitella nuchitiplora* (A+S). Oct Dec 10.

This explains my reference to medusa —

127. *Cryptophoranthus* sp. Flowers pale buffy yellow, 1" long.
at night a hot country St. Iago, at left Epid (*Goniostachis*?)
a paranthium ally.

128. *Chondrocygus*? just about life size. pure white, not crystalline, this seems to me much smaller than *C. albida* which I have not seen for some years. Inquire me if it be that species.

With one exception, a *Pleurothallis*, the others are of interest only to myself, well flowered specimens of things already sent you. I omitted to preserve any of the *Pleurothallis* (an ally of *Rowleyi*) but hope to have another opportunity, where it has been sent previously but I cannot trace it.

I have a fine clump of Coelia macrostachia in flower
it is frequently visited by humming-birds, many
ornithophilous flowers are open so they are gathering
a rich harvest these days. (Justicia - Euphorbia -
Aloe etc.) Eleocharis capitata must also delight
the hummer though I have not seen any at the 3
heads now open.

With regards,

Yours faithfully,

Ch. L. G. L. G.

We leave here on Mon 3rd to spend 6 months in
Cortijo & from there I hope to make some orchid
raids for Prof Ames, in May we are going to
England to make a home for our 6 children, at
least for a few years & as long as funds hold out.
Our eldest girl will graduate from Cambridge next
May, it is rather notable that reactionary Ox prod
frank-women university status that more liberal
Cambridge still refuses. Val.

MEMORANDUM

P. O. Box 32
CARTAGO

C. H. LANKESTER

LAS CÓNCAVAS

Cartago, Costa Rica, March 17 1931

A. S. Charles Schweinfurt.

of Professor Oakes Ames.

Cambridge, Mass.

P951 A151a

Dear Dr. Schweinfurt,

I have had two delightful orchid excursions into Pacific
territory. I have visited a remote region of specific richness I saw many
things for the first time & immense numbers of the common varieties.

The results of them are very slight for you, but what has
accrued during the last few months shall now go forward with the
hope that some may prove of interest.

We left the farm & came to live in Cartago in Nov last &
one day found over on horseback later than usual I met Alberto Brenes
who had called there & was on his way back. I had some orchid pictures
in my pocket & on showing him that of your *Maxa arachnidiflora* (1217)
he said, also as *Maxa ampelocarpa*, (Schott) so I mention this for your
investigation, though rather rare it seems strange this fine species has

missed collection, but I will say, that to my belief, a very much
finer sp. of the same alliance awaits collection & description, of
this living plants unfortunately perished during one last bear at
Irene in 1929. remains of dead Popen show narrow segment of
possibly 7" g spread. & the capsule is immense.

Yes! Am I right in remembering the sterile leaved ally of *Epid coriifolium*
from Chiapas as *Ep subviolaceus*? I was not surprised to find
one plant of this at El Rodeo, about 30 Km west of San Juan at
2500'.

If Prof Ames is safely returned, pray give him very kind
regards, we are hoping to go home next month, but I cannot add
wishing to do so, we think it right for our kids sake as they have
been in England now for 10 years at school without any home life.

Things are very depressed & dull here & the Costa Ricans seem
to want to drive all foreigners out of the country,

Yours faithfully,
C. H. Kesteven.

TELEGRAMS: "KINSCORT, PADD, LONDON."
TELEPHONE: PADD. 7320 (4 LINES.)

KING'S COURT HOTEL,

LEINSTER TERRACE,

LANCASTER GATE,

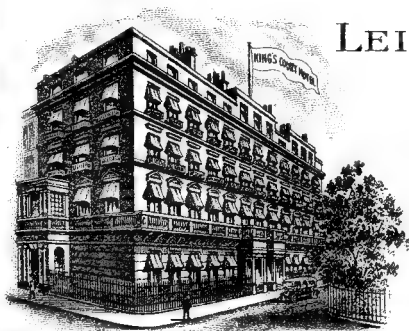
W. 2.

23. VI. 31.

reply of

Westminster Bank Ltd

Chancery Lane Grand
London.



Dear Dr Schweinfurth,

I sent you my final specimens
wet-dry by kindness of Mrs M. M. March
of the U. F. Co just before coming over here
& hope they reached you safely.

You may not have my address
so that I should keenly appreciate word
from you.

On our way over Dr Pittier came
down to La Guaira & took us up to
Caracas where we spent a delightful day
with him & I judged from the little he
told me that Professor Ames had been
seriously ill. I am very sorry to think
this & hope he has now recovered.

We have had a most delightful day today,
a rush visit to the Amateurs Show at the R.H.S.
where some glorious Orchids were displayed
was followed by a visit to Sutton Park, Sir
Jerome's Colman's lovely estate, there we saw
numerous species in bloom, including a great
many of the small genus of the Orchidaceae in
which particularly he takes keen interest.

Kew has a great display also we
lunched there with Sir Arthur Hill last
Friday & saw many Costa Rican plants
in flower.

With my kind remembrance to Prof. Ames
& my regards to yourself.

Faithfully yours.

C. L. Alexander.

My salams to Dr Thomas Barber if you see him.

Botanical Museum,
Oxford St.,
Cambridge, Mass., U.S.A.,
July 9, 1931.

C. H. Lankester Esq.
40 Westminster Bank Ltd.,
Chancery Lane Branch,
London, England.

Dear Mr. Lankester: -

Your letter of June 23 came to hand yesterday, and I hasten to assure you that your recent sending from Costa Rica came safely. I have not, however, had a chance to work up the orchids, being occupied with several large collections from Peru. When I have opportunity, I expect to discover old friends as well as rarities, for I am more familiar with the orchids of Central America than with most regions.

By the way, I want to assure you that, contrary to Brongniart's assertion, our *Maxillaria arachnoidiflora* is not the same as Schlechter's *M. Amparazona*. The leaf of our species is more than twice as broad,

the flower more than twice as large and
the lip, ^{apparently} different. In spite of the wide dis-
crepancies, they are related species.

Prof Ames is quite well now and is out
at his summer home at North Easton, Mass

We are sorry that you are finished with
Central American orchidology; but you have
surely made a mark in that flora.

Thanking you for your ^{many past} favours, I am

Sincerely yours.

C. S.

Assist. to Prof Ames.

P. S. I enclose our two latest papers which
were returned from Costa Rica. C. S.

Maxillaria Amparocana

pseudobulbs to 2 cm. broad

leaf to 2.8 cm. wide

peduncle up to 5 cm. long

Sepals c. 3 cm. long

Lip deeply 3-lobed, 1.2 cm. l.

X 5 mm. wide

Column c. 8 mm. l.

M. arachniflora

to 1 cm. broad

leaf 3.4 - 5.2 cm. wide.

ped. 8 - 10 cm. long

sepals 7.4 cm. long.

Lip slightly 3-lobed, 1.9 cm. l.

X 1.15 cm. wide

Column 1.8 cm. long

Maxill. arachniflora

~~very~~ different but related sp.

May 20th, 1932.

My dear Prof Ames,

I am hounding you with another orchid specimen of a species & genus not sent to you from Costa Rica as far as I can recollect, this flowered at Charlesworth's & I begged the inflorescence.

Is it Pelexia? Apparently this is very rare in C.R. though I really have not much recent experience of the terrestrials in the warm forest region, in the days when opportunity was good I was interested in other things & my eyes were more up in the trees.

But sure it is that the gaily decked species, Erythodes & Co are exceedingly rare, nor have I ever seen a plant of that kind abundant as a colony, one may find a wonderful carpet of Episcia or groups of colorful Hoffmannia, but the "jewel orchids" are never so prodigal of their charms.

Next week the Chelsea Show, I suppose you have seen on some or many occasions this floral debauch, The orchids will probably be amazing, Charlesworth's have produced fantastic new Odontoglossums this year, while Miltonias now compete with Paeonies for size.

Saludes,

Yours aye,

C. S. Lambert

Am going to Kew this morning. Soil opening specimen. I found the leaf enclosed, no record but I believe it was an orchid once.

Botanical Museum,
Oxford St.,
Cambridge, Mass., U.S.A.
May 31, 1932

Mr. C. H. Lankester,
89 Ditton Rd.,
Surrey, England.
Dear Mr. Lankester:—

Your orchid specimen, sent May 20 last, came to my hand last Saturday.

It is a *Pelexia* sp., but I am unable to match it exactly with any Central American species. It suggests *P. adusta* Poit. in general appearance but the flowers are larger and resemble those of *P. subaequalis* Ames which has but one leaf and a few flowered racemes.

As you know, it is usually impossible, in most cases, to identify with certainty, any ^{incomplete} specimen of orchid. So, can we not have a

complete specimen?

The leaf sent is certainly not an
orchid but a Liliaceous or Zingiber
aceous blade -

Yours very truly,

C.S.

Assistant to Prof. C. S. Gentry

MEMORANDUM

P. O. Box 32
CARTAGO

C. H. LANKESTER

LAS CÓNCAVAS

89 Dittm Rd
Luribaton.

Cartago, Costa Rica, Aug 6, 1932.

A. Prof Oakes Ames

West Easton

Mass. U. S. A.

89851 Alsina

Dear Prof Ames.

Today the welcome suggestion came that you know I am still alive as I have received your very interesting paper on *Sp. rhynchophorum*. Best thanks

() a loud howl of rage —

Why - Because on Apr 28, 1931 I sent you masses of material together with a lot of what-abouts for Standley & no ray of light has yet shone on my nebulous ignorance. I think #s 1257 to 1337 embraced the seedling, though I will admit far too many of them were merely plants, lesser breeds without the law. Yet a new Standley went in formal, a suspicious new *Cryptophranthera* & also a *Chromobrotophytes*. a rare yellow *Illecebrus*, & an unseen terrestrial excite my hopes, you once said "have a heart" —

Sh. W.

how the moral of that is that in rather less than one month I return
to CR, so you may yet have cause to regret that.

I hope you & yours are all exceeding well & having marvellous
weather.

With warmest regards.

Truly yours

Ch. Langkate

North Easton, Massachusetts,

August 18, 1932.

My very dear Lankester:

A letter from you, post-marked 9.15 PM, Aug. 7, 1932, has just come in and makes me burn with eagerness to prepare a reply. Your method of representing a "loud howl" of rage, (), thus, frightens me. But, in all fairness to an overworked duffer, I hasten to inform you that I have no remembrance of a large package sent north in 1931, for the simple reason, I suppose, that it got side-tracked at a time when the laboratory was hastening work on a flora of Peru. I shall look for this package at once and you may look for a list of determinations before many weeks have passed. I should have said 'days', but my assistants are taking vacations and I do not know where to seek to find material in the storeroom. I have a faint remembrance of something sent to Standley. Did he ever report?

So the male Gorgon of Jardneriaⁱ_A
"La Milflor" was right. You are returning to Cartago and the nearest thing on this earth to the Garden Of Eden. Old Clausen, Member of Floral Telegraph Delivery Association, assured me on March 18, of this current year, that you would be back within the year. He came nearer the truth in that prophesy than he did in some of the strange things he told us in his mighty peripatetic lecture on orchids and bananas. Before I leave Clausen,

I must tell you something that happened on the afternoon I spent with him. Just as we, (Blanche Ames and I,) were leaving his Garden, we gave him a considerable sum of money to pay for a sickly plant of Warsewiczella discolor, a flowering one, that was to furnish inspiration for a water-color drawing en route to Panama. Just then a bevy of tourists arrived and Clausen was all eyes for a few more quarter dollar pieces. Blanche tried to tell him that she wanted an Epidendrum atropurpureum for which she had paid in advance, and that she would like to have it pronto, because some friends were waiting for her and she did not care to hang round until another lecture on orchids etc., had been delivered. Clausen told her to help herself. And this she did, taking a very small plant that was trying to conceal itself, I suppose for very good reasons, on the side of a tree that was unseeable from the garden walk. It so happened that the taxi driver, who had a clear view down the path, saw this action, and being ignorant of the transaction that led to it, reported it as a theft to old man Clausen. That evening I was sitting in the "park" listening to a band concert and having my profile sketched by a young Costa Rican who sat on a bench near at hand. (The profile sketch was handed to me later with "How you like it? O.K." written across the bottom, and is now in my diary). I saw Clausen coming along the main path. He spied us and came to sit with us. We discussed Costa Rican politics and the difficulties of the florists business. After the concert Clausen insisted on walking

back to the hotel with us and pointing out the

ceiling decorations from every corner of the building, that make the Opera House such a worth while thing to visit. Then he came to the point. He told me that the taxi driver had reported that Mrs. Ames had helped herself to one of his orchids and that fearing she might have run off with something of value, there being many rare Indian species for which huge sums of money had been paid by a man who could ill afford to lose a penny, he had visited the Hotel, informed the Pursar of his plight and had then come to the square to find us, the Pursar having informed him that Blanche and I had departed after dinner to listen to music somewhere. I was thoroughly disgusted with the whole affair and as I had set myself firmly against handing out money, this being what the old man surely wanted me to do, I think I might be in San Jose at this minute standing on the sidewalk in front of the Opera House, talking to Clausen, if some tourists had not come along and accepted Clausen's offer, that he show them the "President's Box". I hope the old fellow picked up a few dollars, and was saved from total disappointment.

I have been working this summer on Honduran orchids and on the "mean genus Stelis". With the former I am making magnificent headway, with the latter I am comparable to the frog in the well. I simply hate Stelis now. And to make matters worse, I have just received a "thing" from Honduras that seems to be a hybrid between an unknown species of Stelis and unknown species of Pleurothallis. When the Pleurothallis

Pleurothallis and the gynostemium of a Stelis. To very much complicate matters it has the vegetative characters of a Lepanthes. A bold lad would say the vegetative characters and the gynostemium warranted a new genus. But I am inclined to place weight on the gynostemium and pass the plant along as a new and aberrant Stelis.

I hope I have read aright your threat regarding what will happen when you return to Cartago. That is, I take it that you will attempt to bury me in an avalanche of orchids. The truth is That I am in better shape to do orchid work than ever before, because I am gradually drawing out of the jobs that killed my time and going back to the orchid trenches to fight out the last days of my existence doing what I want to do rather than what other people want me to do. I have given up the big glass in biology, so that my teaching responsibilities are cut in half.

I am still hoping that the day will come when I can walk up your front yard (if you have one) and ask if you are at home. Then we can discuss orchids, sealing wax and taxes, and the Garden of Eden.

Very truly yours,

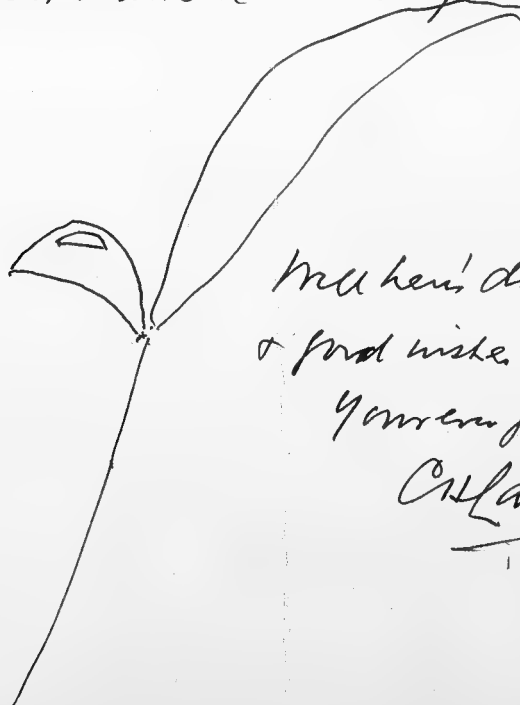
C. H. Lankester, Esq,
89 Ditton Road, Surbiton, England.

Las Comarcas
Oct 18. 1932.

Esteemed Sister Philosopher & Orchidom Friend,

How I regret in your letter received just ere sailing from Dorset, this was just advise you of my return to this delightful but omitted shore.

I found in flower a most attractive *Cryptanthus* of which a dead bloom is enclosed, this came from Carrillo, the flowers are cream colored & I hope to photograph what may remain of it tomorrow, to my sorrow I have had 3 days in bed with vicious lumbago & have just crawled out today to write a few letters



With kindest regards
& fond wishes from

Your ever grateful

Ch. Lankester

HACIENDA LAS CONCAVAS

CARTAGO: APARTADO 32

COSTA RICA, C. A.

April 12. 1933.

My dear Ames,

I was recently 12 days in the forest river region south of Talamanca & there among other things saw a guayata tree with dozens of plants of Leucostyph subulata, an enchanting little orchid, & at the same camp, on the river Ichire, on one of the river side Pithecolobium I found a plant of Epidendrum conissanum in fruit, an unusual Epid capsule, it is yellow in to dryness and but still retains its greenness & shape to some extent, I wish I had a flask of some sort to put it in, as possibly you have not yet seen it, & indeed few orchid lovers can have seen one, the plant itself is somewhat rare in my experience.

Recently, one of the orchid cult had the privilege of meeting Mrs. Outherland of Miami, on her arrival in vision of hearing of her floral contribution; a very charming lady & I hope her show was a great success, a fascinating thought that the same groups the flowers of all South & Central America contemporaneously, it may grow to be a great floral event, my humble contribution was limited to 15 numbers, by that amount of water container, it was my good fortune to have out a very fine

Will you ring up Tom Barton & make my obeisance & tell him I send a flask with little
 Agave for him, on Cocos Island. }
 & I have a nice Cyrtopogon for you also.
 & one orchid flower for you

specimen of *Crot. variegata* + perhaps that took the judge's
eye.

I wonder if Dr Ochse has ever had time to
look down my sending of April 1931? Several #s
were of special interest to me & no report on this little
lot has been received, V. A. S.

I hope you & yours are flourishing like the green
bay tree & that present shocks & alarms are leaving
you unscathed, I am bringing out my boy & one of his
sisters next November, it's very disappointing I can't send
him on to the variety, he is head of his division of the 6th
head of his house, school prefect & in general puts his
old dad to shame, however this term from won't keep
the other 7 of us & send him up for 3 years, so he has
jolly well got to come out & dig in, & I only pray he
may like it well enough to enjoy walking amongst the
wops.

Salaam.

Yours ever

W. L. C. S.

I had a lot of Clausen during Mrs Southland's stay,
he has never been here, that's all serene; but if you come
to Costa Rica again & cut me out I shall never smile again.
a friend in Switzerland writes me that Otto Posset has
published a book on his visit to CR, this makes me wish I could
read German, he was a delightful orchid enthusiast.


Las Comarcas.

June 9. 1933.

Dear Dr Schweinfurth.

Can you possibly identify this shrubby
Pleurothallid for me. I have never seen it & it is
new to me but must certainly have been sent by some
collector from CR. I don't know locality but
presume La Palma above San José. Here you
might make a note that Brenes' locality of
that name is of a different type, being near
San Ramón & having a definite dry season from
Dec to end of April.

It has been rather disappointing to me
to have had no identification of the specimens
sent in May 1931, just before we went home,
several were of special interest to me.

Of the specimens enclosed, the sepals are
densely hairy. (roughly  laciniate yellowish)
leaves about 3-4 inches, spatulate, plant
looks almost like a *Masdevallia*. It is sure to
be among *Masdevallia* or *Bradea* collections.

with my regards to yourself - Prof Ames,

Faithfully yours,

Orlando

June 21, 1933.

Dear Mr. [unclear]:

Your letter of [unclear]

is received. All you need to do

is [unclear]

[unclear]

[unclear]

[unclear]

[unclear]

[unclear]

1311 - ~~RUB~~ [unclear] (allied)

[unclear]

1327 - [unclear]

[unclear]

1351 - [unclear]

[unclear]

1345 - Cryptology [unclear] R-ff

(Received [unclear])

[unclear]

1255 - [unclear]

[unclear]

[unclear] R.f.

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12700 - C. ...

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1310 - S. ...

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1265 - S. ...

1266 - S. ...

Yang ...

Chuan ...

...

MEMORANDUM

P. O. Box 32
CARTAGO

C. H. LANKESTER
LAS CONCavas


A. Prof. Oakes Ames.
Harvard.

Cartago, Costa Rica, March 15 1934

102707 Alsiná

Dear Prof. Ames.

Just a short note of thanks for two of your
the two latest bulletins. Stelis - Lepanthes respectively.
I hope your trip did you a world of good, it would have been
nice to have known of it earlier so that I might have sent
you Ames a few living orchids.

I have at last found Mesderollia cupularis, a poor
single flowered example is now in press for you, also I have two
very tiny (Brachystele?) for you.  as style - both of which
shall go in alcohol, one is from Havana, the other from Barbados

They are very similar but may be distinct species. In one of
the bottles coming some day to you; there will be a frog for
Prof Sartorius, I found him on Santa last Sunday &
jopped him into your bottle, with some Lepanthes & the
aforesaid *Microscelis*.

Dalman bakem.

Yours faithfully
C. L. M. S. C.

Further to my begging note on the side:—

If you are so kind as to comply with my suggestion & always supposing you have any plants under the heading of succulents, I have a fair assortment here & it would be tragic to have worried you & then to find duplicates. I feel this is a gross abuse of our correspondence, but you will realize from this to what depths of degradation the would be collector can sink.

"Doctor", well it did amuse the family.

I have a *Stelis* in flower of the
form you have just discussed
so thoroughly & for the life of me
I can't tell if it be *Standleyi* or
Indulgens. With a reading glass
I can't make out more than the
central vein, it appears veinless
in life by transmitted or direct
light.

I hope your desires re
Catastrum will be get
to the Pacific next autumn
but I may be on other shores

MEMORANDUM

P. O. Box 32
CARTAGO

C. H. LANKESTER
LAS CONCavas

A. Prof. Oakes Amer.

Post System

Man.

Cartago, Costa Rica, March 28th 1934

102707 Alsina

My dear Prof Amer.

I find this jersey continually popping up on my desk or at least I have signed it with special reference to your Vice Presidency.

Tomorrow we are off for 3 days in the gorge of the Resolvajin at Turrialba, nothing there for you I fear, but a pleasant camping site, it used to be a locality for the very rare *Headevallia attenuata*.

On Monday I look forward to having D. H. Campbell of Stamford here, he has a petting in CR

is as good as to give me 2 or 3 days of that very short
stay.

I hope Mr Chittenden sent on to you some mixed
pickles I intrusted to his care recently, & that you
found some of interest.

Adieu.

Yours faithfully
Chittenden.

Leo Comarov.
July 15th 1934.

My dear Ames.

Your check, well-deserved, duly received today, my penitence is assuaged at finding a spike on one of the plants of Stelis glosseata, say he waits for growth, by end of August your screams of rage may be mitigated, unless some savage dudu intervenes with ravenous jaw.

One of my plants of Epid. pseudopidandrum has been sent to Arthur Hill by hand & is now, I hope, safely arrived at Kew, in case it will amuse Drummerhays, to me it has long been a wyvern-like ^{like} myrtle & with you, I long to see my two plants burst into bloom, both are doing well, salamo curculo.

Dmit Fil's me Drayn' has a pet Habenaria all to itself, one seldom goes up its slopes in the season for orchids, the Cranichis I found in Dumilla for you must be rather a rare plant, well that's me more than to live for. This year the grass like Spiranthe apuratanis has been exceptionally abundant in an adjacent pasture.

1358a. Have you a word for me about this fine Maderallia?

I am in hopes it will soon flower & make me complete
the record by dry material, it must be very rare.

Will hear all the best.

Yours faithfully

Ch. Lankester.

Stelis olivacea.

Well, if the glass you look should prove too long,
Another *Stelis* yet to pack, may fill your heart with joy.

MEMORANDUM

P. O. Box 32
CARTAGO

C. H. LANKESTER
LAS CÓNCAVAS

A. Prof. Oakes Ames.
North Eastern Mass.
U. S. A.

Cartago, Costa Rica, July 21 1934.

102707 Altna

My dear Professor Ames,

With my thanks for two last Botanical leaflets
I send you a little Pleurothallis brought in yesterday by my boy
John, from that wonderful region above Havana "El Central"
I do not recollect having seen it & hope it may prove new, a plant
now in bud should prove available to make a dry specimen.

Well, I'm glad you changed bitachia into transversalis
it is interesting in form but poor even for the genus, the zonal depth
of the other species is astounding & parallels that of the species you
were kind enough to dedicate to me, which I found at at almost

exactly similar range of elevation, La Florida de Leiva & La Estrella
de Cartago. I have 4 plants of *Stelis* from Mendocino country that I
hope may prove of interest to you, two of them are in bud.

Yours faithfully,

C. C. Lundstedt.

Las Comeras

August 2, 1924.

Prof. Cassin Ames.

West Easton, Mass.

Dear Prof. Ames.

Best thanks for the last Botanical
leaflet, this is a very fine & interesting Vanilla,
is there something in Honduran ecology that
produces pringed lips? *Rhynchostachia diglyama*
is the other notable example I know of.

The illustration is superbly worthy of
this fine plant, I suppose the flowers are true
to the generic habit of fragrances.

The spike on *Stelis glauca* is nearly
full grown & will I hope escape the approval
of slugs, earwigs, caterpillars & all other enemies,
there are 3 catagiums in bud, though the
prevailing rains may cause them to "damp off"
I can never succeed with these plants in
pots or baskets, so they must run their heads
on trees, when they will occasionally flower.

With best regards,

Yours faithfully
C. L. Keck.

Laos, Concaran.

August 25. 1934.

My dear Ames.

Yes. O. glossula is safely bottled for you. It is certainly a little gem & I hope you will enjoy safe receipt in due course.

Best thanks for leaflet #9. Ep. Cystosium if remarkable, is not a thrilling beauty. I have in flower an amazing Pleurothallis not seen by me before, & possibly new. It must be rare (said he) unfortunately the flowers are rather shabby & will make a few photographs & send specimens, however it looks like an easy plant to grow having vigorous crisscross leaves, up to 6" in length & 2 1/2" broad. of the type

one associated

flowers buffy

long hairs

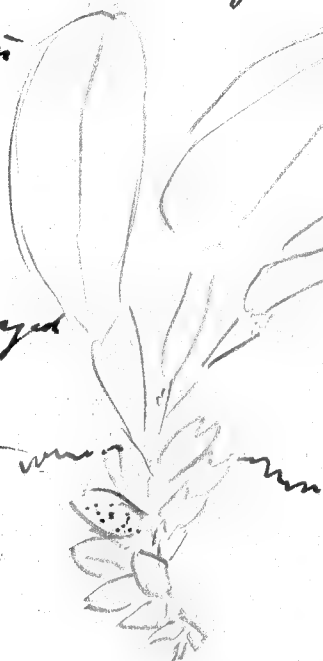
through

badly damaged

now from

~~either to~~ either to

14 or more



with Cryptophrasanthus.

spotted red purple &

on inner surfaces,

most of the flowers are

insufficient are opening

round buds to enable you

identify or describe it.

flowers on the ^{prostrate} raceme. (Chlorox)

II.

Bugs & weather debarred my hopes of *Catactemum* flowers, they rarely come to perfection either vegetatively or sexually in captivity at their elevation,

Yes, I believe with you, the near future looks so full of horrid prospects of disruption in every hand, that our "good old days" will very doubtfully return, & here we are threatened with Communist control that looks like realization at an early date, we shall have a spell of Cuban conditions, & this is coming very soon probably next month, the banana game is affected up to now - I shall get news at mid-day of results there, Christensen is down in the thick of things, has been right from the first threat of mischief, the U. F. Co is bound to suffer a good deal of loss, I hope wise counsels will prevail on the Communist side,

I long to see your enumeration of the CR orchids, I am hoping to prepare a little popular paper for the local market, one of these days, with sufficient pictorial content to tell in the difference between *Cattleya Skinneri* & *Delipogon virleyi*.

Salam.

Yours faithfully

Ch. L. ...

I am going to Moravia (San Vicente) next Wednesday
and will try to arrange an excursion up to your Westabony
of Fraga, two lovely plants I saw last week in San Jose;
well flowered, a marvellous spotted Cryptosporanthus,
in the way of dayana & a Delipogon beautiful beyond
words, people who live there get all sorts of treasures
from the itinerant plant vendors. This year large numbers
of Adiantum chiniquensis have been trampled about, I
have a few plants here but cannot get them to prosper.

MEMORANDUM

P. O. Box 32

CARTAGO

C. H. LANKESTER
LAS CÓNCAVAS

A. Professor Oakes Ames.
New Easton
Mass.

Cartago, Costa Rica, Aug 31 1934.

102707 Alsina

My dear Ames,

Here are seven attempts, some of them
duds, one enthalimetal, tho' you may welcome a
picture of Utricularia ludensis if you have not seen across it
in the field, a lovely dainty wildling. (Enthalimetal to the
orchids of your devotion but not in strict sense)

Ep. obovatum is a lovely plant, deliciously scented at
night. What is Ep. elongatum?

A poor picture of P. candidatum is at least a memory
of old C. W. P. who gave me the plants when I stayed with him at
Balboa, he had dozen of them, an attractive orchid.

104

Masdevallia? nor can I expect you to define it from
this picture.

145. Your friend Stanhopea octobata, rather prettily
flowered, so that I much regret the photographic failure.

146. Antiochium still life. (D. oculata again).

At present we have cactus fever, Kew gave me a
liberal start with some African succulents, Eastern,
Stewart's & Co., & I received recently from D. W. Campbell
of Hampden some delightful Californian desert spickies, I
think Dr Rose was the first to set me on this trail, he sent
me a basket load by hand of Paul Handley, of Scherwin, Salem
& some few cacti, all amusing birds & orchids, & much more
stare.

Salem.

Yours very sincerely
C. H. Andrews.

Las Encinas. C. R.

Oct 10. 1934.

My dear Ames,

Today I have bottled for you *Pleurostallis*
13782, a whether new or known, a lovely thing;
if new, may I dedicate it, with respectful admiration,
P. amesiae? In colour, see Plate XII. Pearly
Purple, add the transfiguring translucence of light
or imagine the colour, with hyaline white glistering
hair, the colour can only be faintly realized without
directing the flower, it looks as near black as purple
can go. See masterly? sketch herewith for crude
suggestion of general habit. The ovary is finely
dotted fusous.

Collected at Buenos Aires de Juncos last
May, flowered here yesterday & one other bud is
swelling, my single plant has about 15 leaves, it
was not common on my trails but is likely to be so
in the district as it is a common species, I saw it
first at the school, draped with other orchids on
the fence just at the entrance, I expect it must
be among von Haussknig's collections - probably
Vallier got it last year, but possibly unflowered.

I really must send you something soon toward
of your wishes.

I believe.

Yours faithfully

C. H. Andrews.

Dr. Jeremiah Colman gave me a plant of his
finest one of B.C. "Garden Lily". This we have
with 3 of its superb white flowers on the table.
What a glorious thing. Linnæus Rothchild has
a B.C. Speciosa that just beats it, but I am
quite happy with mine. It has made stupendous
buds here, quite an exception this.

Las Comas.

Oct 30. 1934.

My dear Annie,

Best thanks for the *Stabenaria* paper with delightful illustrations, one of them with the very long open stipes a chord of memory, in July 1914 I left the Aguacate train for Orotina station with a small load of orchids, I & my companion just made the train, but those 2 sacks of orchids I never received, & in one of them was a long-spurred *Stabenaria*, as I recall with nectaries of about 8" long, is that an exaggeration? Anyhow it was to me a notable find & never again seen. The Pacific has not been of much of use as I should like: one needs a pal in residence at mine, lumber camp or finca to make one of a welcome during a collecting trip & also the time & funds to go.

Set 1st of photos #140 to 146 were posted to you. have these gone astray, here are 3 more, *Meibomia varians*? Do you think this name is correct for this plant?

Loxocharta sp.

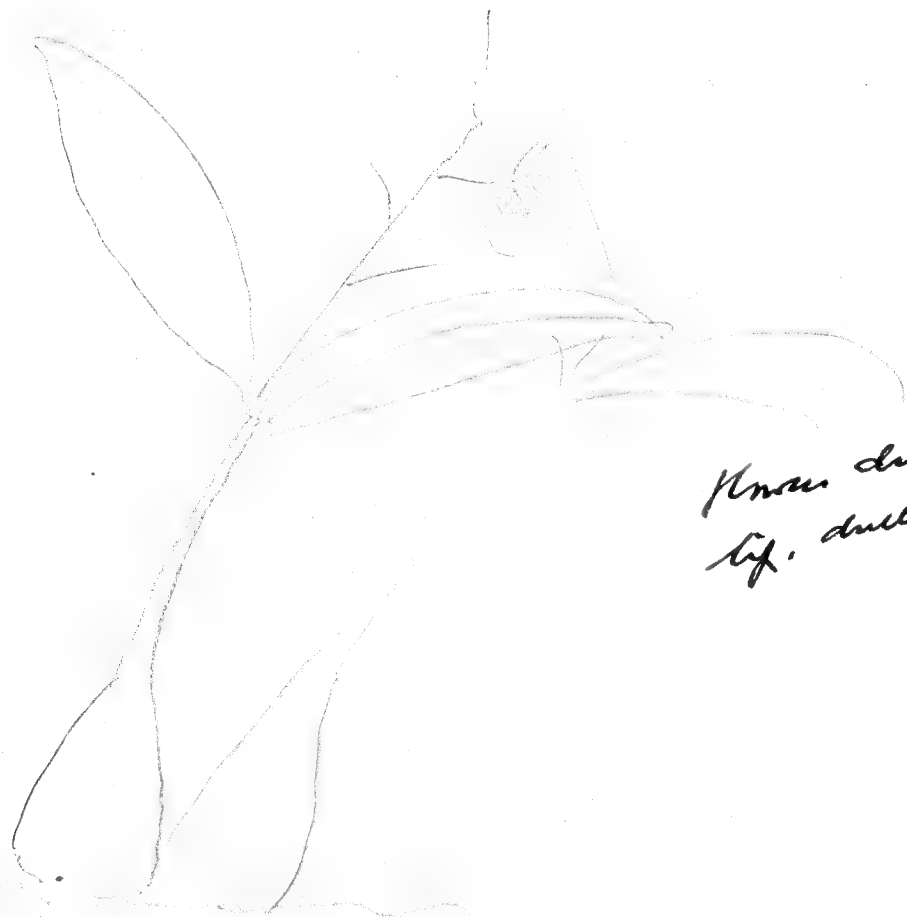
Epidendrum sp.

the picture?

(possibly)

Can you kindly name this from the picture?

Apologies for the envelope, but I want to get the letter away
as this is the only one available.



Flowers dull brownish
lily. dullish green.

The enclosed flowers, for which you may curse me
all you want, are from a curious little Epidendrum
brought me by my gardener, from La Concordia,
somewhere between Santa Rosa, alt estimated
about 5000', the plant is new to me.

Wm. Lewis H.W.

C.H. Lowenthal.

Have just had a card from James Rehn of the Academy of
Philae. Phila. written from Nairobi, the lucky beggar
was headed for the Congo & Shereport. I envy him.

no flowers found
unless they were poor
in the world. In an
in the same way
(A)

January 10, 1935.

My dear Doctor Lankester:

Let us start the New Year right with the sharp pangs of orchidological hunger unappeasable! I have memories of a little *Stelis* you promised to send to me. The name: *Stelis glossula* Reichb. f. Did you save flowers for me, or did your friends the beetles get there first? I would so much like to make a good picture of that extraordinarily rare species and at the same time feel that I was doing a service for posterity. *STUDIES IN STELIS* is by no means an empty title if the dear friends will supply the material to be studied!

I have sent to Standley the first part of my list of the orchids of Costa Rica. I have made this a critical list and I feel that it will serve as a basis for an orchid flora of Costa Rica. The question is: will it ever be published by the Costa Ricans? I have done this work with a dread that my efforts were to be wasted. Why is it that one lacks faith in the Latin Americans?

Do you receive the Botanical Museum Lefalets regularly. The third number of volume 3 was sent to you a few weeks ago and now number 4 is coming off the press, *Studies in Stelis* III. I hope you will enjoy this number as it contains pictures of two Lankester finds and brings to a close my identifications of your *Stelis* material.

With all good wishes for the New Year,

Sincerely yours,

225 Bay State Road, Boston, Massachusetts. Dec. 20, 1934

E. Leitz, Inc., 60 East 10th Street, New York,

Gentlemen:

In Leica Photography, no. 19, p. 6, there is an article entitled "Elements" by Dr. H. O. Bames. Does honorable photographic department recommend the elements set forth by Dr. Bames. If the Summar lens is set for 20 feet will everything from 12 feet to infinity be in focus when in the late afternoon the f.4.5 stop is used? Will everything between 12 feet and infinity be in focus if the f.9 stop is used with the focusing scale set at 20 feet? Would it be wise to set the shutter speed at 1/100 sec. with any type of film?

If the Summar lens is set at 30 feet and an f.9 stop used, will everything be in sharp focus from 12 feet to infinity?

How does the Summar lens compare with the Elmar 5 cm. lens with regard to infinity near point?

Very truly yours,

MEMORANDUM

~~FORM 52~~

CARTAGO

C. H. LANKESTER
LAS CÓNCAVAS

A. Professor Oakes Ames
West Easton, Mass.
U. S. A.

Cartago, Costa Rica, Jan 21 1935

102707 Alsina

My dear Ames,

I appreciate your note & must confess to extreme
anxiety latterly on your behalf. I think you will find
Oreio glomerata in one of the little bushes, it's a little gem &
I am happy to have 4 or 5 plants - doing well. In flower also is
a fascinating Masdevallia collected from the same spot &
presumably the same tree, in the way of calura, but redder & with
orange base to the upper sepal & smaller in size. Today I hope
to press for you a flower of #1358, which may help to throw
light on M. acutata, gabelliana or cryptochaeta. It looks to
me very like what I remember as M. lowii, seen Lord know

Can I beg some percent from you for a bunch
of any increase to provide duplicate, would you get
your gardeners to make a list of available of.

What ages ago at home.

I fear #3 of Vol 3 of Bot Museum Leaflets - has gone astray
I have 1 & 2 but do not find #3 perhaps it is held up by Texas mail
you had quite a few Texas cards this week.

I am most interested to hear of your bid of CR includes one
to Paul Standley, there is every hope of getting it published here as
a Supplement to the new Journal of the Copey Institute, I will
interest don't want to find any in this matter & it will almost
certainly go through; an outrageous scam, Manuel Valeri, has
been head of the Museum since the lamented Fidel Dintan died,
& he has been duly fired for stealing archaeological treasures, now
another Valeri has been appointed. Juvenal to wit, a serious
student of considerable attainments & I am sure Standley will
rejoice to hear this news, he made many excursions with him in
this country & knows his work.

Thanks for your kind wishes for 1935. I hope it proves delightful
for you & yours.
Yours sincerely
C. Standley

225 Bay State Road, Boston, Massachusetts, January 24, 1925

My dear Lankester:

To describe my position to-day by a good old New England term, I am snow-bound. Yesterday winds of gale force drove a heavy fall of snow into huge drifts so that this morning we look out on a white city. In places the ground shows, that would be where the wind had a full sweep, but twenty feet away the drifts will measure four or five feet in depth, quite impassable by automobiles.

I am wondering what you thought of the fourth number of the third volume of Botanical Museum Leaflets. Are you able to recognize the Lankester numbers from the plates? It is extremely difficult to interpret Stelis flowers from any kind of material and during the process of reconstruction long drawn out arguments take place between the artist and the taxonomist. We actually made two plates of S. Storkii before we were satisfied, and I assure you the lips differ from flower to flower and during the process of accidental drying on the microscope stage. I hope we are doing a little to amuse you and that you have occasion to feel that we are not altogether foolish.

Another long paper of Central American

Epidendrum is now on the press. I think you will find this paper illuminating. The key to Epidendrum has been completed and will, I hope, be published promptly.

Stelis glossula is still much desired. What is the history of this species. You informed me in one of your letters that flowers had been placed in alcohol for me, but as yet I have not received them. I hope this is simply the result of Lankesterian procrastination and is not the result of an accident to the bottle in transit. If we are to understand *Stelis* at all, it must be through living or alcoholized flowers. Every study from such material is a distinct contribution to systematic botany. You can do so much to help this work!

With all good wishes,

Sincerely yours,

C. H. Lankester,
Cartago, Costa Rica.

MEMORANDUM

~~Form 207-32~~

CARTAGO

C. H. LANKESTER
LAS CÓNCAVAS

A. Professor Oakes Ames.
West Easton, Mass
U. S. A.

Cartago, Costa Rica, Jan 25 1935

102707 Alaina

My dear Ames,

Of course # 3 of vol 3 turned up by following mail to my last letter. my thanks for this, the transference to *Stelis* of *Limodorum lankesteri*, is interesting, there is great personal satisfaction to me that this extremely rare thing should have been found on my own property here. Today I found for you another *Stelis glauca* in flower, this specimen has the dorsal sepals almost erectum with the lower sepals not yellow as the first plant to flower had, the white anther caps give the stamoid inflorescence a very lively appearance, a gem like little thing.

Into one of the flasks from formaldehyde was poured by mistake,
any course will be mostly borne, alcohol has been substituted.

Do you have record of a true Batomannia here? Not the name
as applied formerly to Humblyea tortis, but a tetragonal tubed
species. I have twice collected the plant & failed to grow it, yet
I had the pleasure to see it in flower at the Coo's house in San Francisco
last year, it must be extremely rare.

I took to Kew & also to Sonder a small species of Coelia
with glaucous foliage found at Jarrilla, I have heard
nothing about it, & hope they have both grown it, my belief is
that it is new, Coelia macrostachya is found in the Cachi district
but surprisingly is not at all common though it seeds very freely.

You may have to treat some of the little flasks I am sending
as they have very small necks & the specimens have been forced in, not
in all cases of course.

Jalisco.

Yours apt
C. H. Kent.

225 Bay State Road, Boston, Massachusetts,
February 5, 1935.

My dear Lankester:

Your welcome letters dated January 21 and 25 came in this morning. I was delighted to have evidence of your continued existence.

You enclosed in one of your letters a couple of orchid scraps, one a *Pleurothallis* the other a *Stelis*. I suppose you wish to have the names of these? I shall give them a once-over at the herbarium this afternoon.

If you are interested in "succulents" I feel that the thing to do is to write to Mr. R. Grey, Superintendent of the Cuban Garden at Soledad near the city of Cienfuegos. Mr. Grey will be pleased to send to you anything we have in the Garden if there are duplicates. I imply mention my name as having authorized you to write.

Another copy of no. 3 of vol. 3 of Bot. Mus. Leaflet will be sent to you.

My impression is that we are regarding *Masdevallia astuta*, Gaskel, and erythrochaete as being one species.

With all good wishes,

Las Comas.

Feb 8. 1935.

My dear Ames,

#4 of Vol 3 is copy to hand
my best thanks. Stelis crystallina, now
duly accredited, is a very attractive plant,
I am speculating as to why you deflected
your original intention to call it pulvinata,
the plant has a rather unusual pose in the
Senecio, growth is nearly always erect, but
both leaves & floral stems arch over & are
nearly horizontal, which gives it a very
attractive appearance in nature.

I send you a dried flower to
complete an alcohol sp. This Neodesmodium
must be extremely rare, only one plant
has ever come my way, & I am not even
sure of the locality, but think it came from
Hawson, now is this one of that puzzling
Stelis. arbuta, gastellianum, euphrasich?

I believe there is a small plant of
Oteli strobili growing in a 1" pot here,
it has not yet flowered, till now I
have believed it to be a Lepanthes yet
it seems to fit the illustration.

Our Ames drawings are miraculous,
but had old Reichenbach could come
back to see them.

I took in one carton of specimens
to go up to you & will soon send a few
more, including an Epidendrum with
fan shaped inflorescence. That you once
named as Phyganthium, & then some years
later gave me the same name for a very
different plant near of Myodes, this of in
question grows to enormous hanging masses
15 to 20' long & 3-4' broad, it has even
occurred in this high form.

Sulam.

Yours truly

C. L. Kent.

225 Bay State Road, Boston, Massachusetts

February 19, 1935.

My dear Lan-ester:

Your letter enclosing a *Masdevallia*, arrived this morning. I looked through the herbarium trying to match it, but without success. The nearest Costa Rican *Masdevallia* is the extremely rare *M. Gorgo*, a Reichenbachian proposal taken up by Kraenzlin. I only know this from a sketch made in the Reichenbachian Herbarium and the description prepared by Kraenzlin in his monograph. I would have stuck to this thing until I found its counterpart, but I am rushed to the breaking point getting ready to leave for a Caribbean cruise tomorrow noon.

We are convinced that *Masdevallia astuta* and *M. erythrochaete* are synonymous, the latter name holding by priority of publication.

I should welcome a complete specimen of the *M. Gorgo*-like thing and trust you will find time to prepare flowers if they appear or to turn up more material with exact localization.

I am glad you like Botanical Museum Leaflets. This little publication is becoming a most valuable repository of Central American orchidological notes. It must please you, from time to time, to see that your own work is recorded in the pages.

I shall not reach Costa Rica this winter. My cruise takes me to the West Indies only with stops at Venezuela and Panama.

When I return home in April I shall expect to find a few bottles from you one of them containing *Stelis glossula*. It will be a pleasure to have the opportunity to make a drawing of this little gem from wet specimens.

With all good wishes,
I am, sincerely yours,

210
17
1470
210
3570.

Las Concepcion

May 16 - 1935.

My dear Anne,

I took John for a fortnight's trip on an orchid hunt for Dr. Bunker, we flew to Buenos Aires, got a horse & a guide & rode to La Union leisurely collecting en route, taking 3 days to reach our base, from there we went up the left spur of the mountain east of Chirripó & made two camps & a long day trip up from the last one, however we didn't get up to Candelabrum, even if it occurs there, but saw many fine plants & had a great time, the break of the season made it uncomparable for camp life & we returned to our base at La Union & had two days there before returning to Buenos Aires where we had one day fairly successful frond-digging. I include a few scraps, I didn't do much for you, though perhaps some of our finds will eventually amuse you if they thrive in cultivation. I was surprised to find *Boltonianum*

It seems to me I have seen *Batemanian* & *Strudger* imposed in
literature: how can this be? They are totally dissimilar.

occurring occasionally all through the
woods in route to La Unión, it should
be collected only when completely at
rest. I imagine all those brought with
us had little chance of thriving, it looks
a very delicate plant, we found to my
delight what must be the true

Percutaria China, Schlegel was
right in separation, our much poorer
plant, the column of the Pacific sp.
is deep maroon at base - the flower
a clearer tone of ivory white rather
than creamy yellow & the segments
seem broader, two other species of this
allium occurred higher up, one is
a very lovely *Reperovicia*? with
Quintalline white flowers of great substance
& deep maroon throat.

I hope you had a marvellous Quintallian
time & are much refreshed thereby.

Yours truly

Yours very sincerely

C. H. Andrews

To my great annoyance I am not sure
to have collected *Epid. pseudopidicatum*
is it very like *nocturnum*?

June 3, 1935.

Dear Mr. Lankester: -

In cleaning off my desk this morning, I was reminded that I had not sent my determination of your *Leptogaster* of which I have no name for which we thank you.

- 1376 α = *Pleuroth. glandulosa* Cress;
1367 α = " *Lanceolabris* Schltz
1387 α = " *Leptogaster* Schltz Kgl.
1374 α = " *Pleuroth. glandulosa* Cress.

The other two ^{specimens} are *Leptogaster* [↑]
of which I have no name for which we
thank you. For drawing.

Sincerely yours,

C. S.

and Prof. Amer.

1384.

Buenos Aires de Terraba.

May 1934.

Mitrodermia.

H Concaras. Feb 1935.

on low trees by river, not common at locality visited.
leaves of firm texture glabrous.

flower ox blood red, upper base of calyx orange.

sepal tails orange, lower part dusky. 9 10 +

attractive sp.

H sent in alcohol.

C. H. S. W.

Las Comas
Dec 13 1935.

Dear Professor Ames,

I have returned to the old spot after 5 months at home, where many lovely gardens, R.H.S shows & Kew itself provided many happy hours.

Yesterday was the 35th anniversary of my sailing for this delightful little country, it was a happy chance that brought me here.

Have you sent me a name for this little clean-billed *Macdewallia*?

If not here is a reminder, & best thanks for the paper containing *S. glossula*, a grand little plant.

Adlaam,

Yours very sincerely
C.H. Lauks.

Macdewallia lata

225 Bay State Road, Boston, Massachusetts

January 15, 1936

My dear Lankester:

The painfully skimpy *Masdevallia* sent to me for identification, a single flower without vegetative parts, is, I am sure, *Masdevallia lata* Reichb. f. Your poor specimen differs a bit from the type, but we have to make allowances for variation when only fragments are in hand for comparative studies. I wish you would send more material when you have time to do so.

My wife has just finished a good drawing of *Stelis Lankesteri*. This will be published in an early number of the Botanical Museum Leaflets. In time we hope to have the bulk of the Central American species figured. For this contribution the orchidologists should give me thanks.

Just think of it: I have been awarded the George R. White Medal of Honor by the Massachusetts Horticultural Society. I want you to realize that a very distinguished mortal objects to discourteous fragments!

Have you come in contact with Mr. Skutch. This young man is an excellent collector. If he ever visits your garden I hope you will ask him to dry for me some of the material in your collection which is too common for your fastidious attention.

Your welcome greetings card has been pasted on an herbarium sheet of a specimen of coffee sent to me in 1926 from your plantation.

All good wishes,

Las Comas.

March 5th 1936.

My dear Anna,

I am glad you have Skutch
working in such a promising area,
it is very little known so far, now that
the plane has rendered access easy
many of these undying districts will
scrubby & wealth of new species.

I was surprised to find *Salicaria*
grandiflora common there & of course
most of the *Polemoniads* are different
forms.

Best thanks for the paper
containing *Epid. Skutchii*; an
incredible appellation thin by the way.

I have just flowered a most
delightful *Encyrtandem* from that
region, & enclose you a flower, but
doubtless Skutch has already sent you

material, Sep. - pet pale honey-yellow
with some purple spots, column white with
greenish base, another sep. - edge of column
rosy, the extraordinary ciliate lip faintly
blurred pale rose, a neat specimen of
nest habit - stiff succulent leaves.

My eldest daughter threatens matrimony
this year so I must go home to staid
around during the proceedings, but I
hope to have a fortnight up on the
masses of Chimipó just to convince
myself about *Abrazo-judicium*
condatum.

Adeludes.

Yrs very sincerely

C. H. G. G. G.

I shepherded E. G. White on a short trip
to Guernsey, nothing for you from that.

Oct 29. 1936.

Prof Oakes Ames.
Harvard.

My dear Ames.

I am sorry to disturb you here so soon after my recent effusion, but tonight browsing through Octodon to look up a Restrepia that Sanders has sent me from St Albans I came across his reference to Strobilium pleiantha - a hybrid which occurs, as on the following grounds.

R. Octodon. Beitrage zur nat von Zentel Ames.

f. 41. La Palma - (geographic grounds)

The fact of two flowers being open at one time is not unique in the genus.

There is a point that makes me think that you may possibly be mistaken in linking them two, besides the extraordinary geographic difficulty, i.e. in Emilio Span's collection of his paintings of CR orchids was a very lovely Strobilium that I have seen also in bloom at his studio & on this painting Grade had written. S. pleiantha! Now this is of a large Soboran with snow white sepals & petals & a broad red flange on the deep almost punctate lip.



unlike any other species I ever saw of the genus, this is a large flower of which Caskey says & with the name that is of Freyer.

Yet as I believe refer to Fiddle Report III (1906) he
probably had good grounds for linking the two, though
if that referred to Pittier's *Bomex* plant, it is well
nigh incredible that one species could occur in the
two localities given - however may set my mind at
rest & prove I was wrong -

A cousin drove me today to Slough, we looked
over Edith & Harry's house. Saw some glaucous *Crasso*.
Cells & a few of the early *Papilio*id forms, then after
lunching with friends of her, drove home through
Surreyham Beeches which were glaucous in autumn
tint, so home through Windsor, a pleasant jaunt.

May I congratulate you some on the lovely
drawing of *S. plicata*, which is certainly the
common plant of the Pacific, & whose flowers are
pale yellowish with darker central lip, & many
about the honey yellow of *Ridgway*.

With respect apologies & adieu.

Yours very sincerely

Ch. L. Underhill.

Late at night - sleepy.

November 13, 1936.

My dear Lankester:

Your letter of October 29 came in this morning. I felt very badly to think you should place above my judgement the determination of a *Sobralia* in an artist's studio. And why do you place so much dependence on geographical source in a secondary reference? The type of *Sobralia pleiantha* came from Boruca, not from La Palma. The flowers are not comparable to a "labiata Cattleya" in size, but are about 3 cm. long in the petals and labellum. I have sketches made by Schlechter, and I have seen duplicate material now preserved in the United States National Museum. I feel sure that the "studio pleiantha" was simply a guess on the part of Brade. If there is any doubt ^{it} at all/is with regard to the accuracy of Schlechter's drawing of the labellum of his type. I think My wife's interpretation is absolutely accurate. And so far as geographical data go, I take it that Boruco and El General are not too far apart!

Well, it is grand tohear from you.

By the way, pick up some English stamps for me. I have a very young nephew who is interested in philately. (My God-- I should have said my grandson.) Do you realize I have six grandsons and I am still thinking in terms of nephews!!!

With the best of good wishes,

Faithfully yours,

C. H. Lankester.

April 17th 1937.

My dear Arno,

I had a pile of stamps saved for you & they were awaiting the addition of the blue 2^{1/2} this at last has been secured as the P. O. has just re-issued them, so now we have this blue fellow but the rest have disappeared & are replaced by the smaller number herewith that I hope will satisfy your grandsons (myself).

My boy has recently provided me some Botanical Iron Leaflets & I enjoyed seeing the Stelis you were so good as to use my label for; but Marsipposium Reichenheimiana & M. pachycarum! Well I wish you could see these two growing - they are very dissimilar, & this leaves me in the air with another species that for years I have described as being M. reichenheimiana, a common plant of the lower Atlantic coast, with thinner unspotted leaves, much narrower, the flowers I must say are almost identical, yet I cannot believe them three are conspecific.

Do you know that Alt Brenes' locality 'La Palma' is a long way from the better known La Palma of Coronado near San José, this is near San Ramón 30 miles W (NWN) of San José.

N. B. Records of M. Reichenheimiana from the Reichb. Herbar.
show spotted leaves.

+ at a slightly lower elevation - probably much drier. The La Palma I know is permanent rain forest - though just on the Pacific divide it is essentially of Atlantic type, rainy or misty almost the whole year - incidentally Marcillaria pachycaum comes from there.

Further I would suggest if Botrychium pilosum was found at a La Palma it was probably Brenes' San Ramon locality, it then becomes credible though still unlikely.

I saw Sumnerhouse at New this week - he showed me a little Pleurothallis of mine from General, he is sending it to you - you will probably have had it from Hatch. he also had in flower the very pretty form of Pleuro's Ophioneurum that occurs there.

The spring shows at the R. N. I have been delightful. Dr. Wm. Cooke has made tremendous improvements in Cymbidium he had a display of 120 glorious plants of which the star plants were simply incredible, large perfectly shaped flowers almost of Cattleya size - delightful coloring. Cypripediums are equally astounding these days, how I wish dear R. & Rolfs could return from the shades to see what 15 years have wrought in orchids.

With all good wishes.

Yours very sincerely

Carl Lindley

Sailed for Santos May 15th. would you kindly
acknowledge this to G. O. Britton General
Santos. Brazil.

June 10, 1937

Mr. C. H. Lancaster
Las Concevas, Costa Rica

Dear Mr. Lancaster:

I have been thinking some what of going down to Costa Rica some time after the first of September this year to see some of the orchids in the field. I have never been in the tropics and I have worked only with the orchids of the eastern tropics and know very little about the western ones.

Professor Ames has suggested to me that I write to you to find out when the best time to come down there would be in order to see the greatest number of orchids; if I could find a place to live fairly close to good collecting localities; if it would be necessary or wise, not having been in the tropics, to get a guide; or anything else that you may know about that I do not but should.

If I find that it is possible to come to Costa Rica I think that I should probably be able to spend a month or six weeks down there.

Sincerely yours,

Louis O. Williams

ALMA MATER
DELANTE DOB
CORUMBA



CORUMBA

JARDIM PUBLICO

M. GROSSO



[Handwritten signature]

Prof Oakes Ames

New Eastern

REC'D July 16, 1937

Cambridge, Mass

C. C. U. U.

Columbia. Maths Trms.

21. II. 39. Rio Paraguay.

Shipright, almost mid on the

oceanic of de Parani's

Paraguay that in how to travel

returned here yesterday from about

400 miles up stream, a fine

Christian with spotted teeth, both

interesting, from front only about 5

of 20 feet. Amate.

C. C. U. U.

March 2, 1938

(1)

Dear Mr. [Name]

Prof. Ames, who is spending the winter at Ocala, Florida, referred to me your letter of Jan. 28.

Let me say at the start that your observations are most interesting and form a valuable addition to the Costa Rican Flora. I plan to insert your letters in a copy of the Flora in which I have made such orthographical corrections as were made necessary by indistinct field labels.

Here with [Name]

[Name]

No synonyms were included in the C. R. Flora unless they were based on Costa Rican collections as you may know.

Epidendrum alanyense Ames = *E. oncidioides* Lindl.
var. *gravidum* (Lindl) A. H. & S.

As to *Epid. anceps*, *E. nocturnum* etc., our remarks in the Flora of ~~Costa Rica~~ are based on the collections (or notes) in our herbarium which, apparently, were sparse with us so far as Costa Rica is concerned.

There can be no doubt, I think, that *Epid. ciliare* L. is quite a distinct form from *E. Oerstedii* (including *E. costaricensis*). The lip forms are clearly separable and the hybrid hypothesis seems dubious.

Galeotria grandiflora is not listed in our catalogue of alcohol specimens - It has lately been sent in, however, from Sabanita de Acosta and vicinity of El General.

Hexisea oppositifolia was not represented in our herbarium from Costa Rica until we lately saw a Brunei specimen from ~~near~~ San Ramón. Hence the omission -

As to *Lepanthes grandiflora*, the spelling ^{of the locality} (not clear from the field label) has now been corrected to La Pastora.

As to *Lycaste macrophylla*, we have no Costa Rican ex-
amples of that species. Our material of that alliance
we refer to *L. Douviana*.

Masdevallia aurora Kränzl. may be referable to
M. recandata Schltr., though this is by no means
certain. We have no material of typical *M. aurora*.

Masdevallia cyathogastra, ^{Schltr.} is a synonym of *M.*
nidifica Rehb. f. & is so listed.

No. 1383 = *Masdevallia cupularis* Rehb. f.

No. 1384 = " *lata* "

No. 1394 = " *erinacea* "

} just determined

I find no record of No. 1395 (*Epidendrum pergamenense*)

As to *Maxillaria pachycoron* Schltr. and *M. Reichenheimi-*
ana Rehb. f., we have in our herbarium records of

the types of both species and fail to see any specific
differences. Moreover *M. pachycoron* comes from an ele-
vation of 1700 - 2000 m (about 5100 - 6000 ft.) and

M. Reichenheimiana from 5500 ft.

It seems that *Oncidium Lankesteri* ^{Ames} may be referable
to *O. ansiferum* Rehb. f. which was described
from Panama, I shall look into this matter further.

Pleurothallis Lewisae is found only in Guatemala

& Malat Honduras

With regard to *Polycaenis graterosa*, it is interesting to note that we have lately received an example from ^{the vicinity of} El General.

As to *Sepalosaccus*, but one species, *S. humilis* Schlth., has been recorded. Accordingly please send us an example of the other species to which you refer.

In regard to *Sobralia Carazoi*, if that is the correct spelling, it will have to replace *S. Corozoi*.

As to *Sobralia pleiantha*, I can ^{not} find any *Sobralia* from you which is unnamed or which was called *S. pleiantha*.

Lepanthes Sandoz ^{Ames} is regarded as a synonym of *L. Chamelcon* Ames, and is so listed.

I was sorry not to see you on my hurried trip to Costa Rica last summer, but had the pleasure of meeting your son who was most courteous.

Yours sincerely,
C.S.

Las Comarcas.

Castro.

18. 10. 381

Dear Mrs Schwinjuth.

Your of March 2nd has been read with great interest my best thanks for so prompt a reply to some of my queries.

I see there is a misconception in regard to the Epid. Ciliense & palustre question, it was never my intention to doubt the specific validity of either, the material sent to you is of an actual hybrid between them found on this estate & which very definitely combines the characters of the two plants in the most interesting manner, it was my idea that a similar hybrid ^{must} have given rise to Robt. Sp. Oceandii, he says, "inter Sp. palustre Lindl et Ciliense L. hujus vegetatione", & then gives the locality as Castro, el Viego whether the latter may be I don't know.

Well at that date it is little likely that anyone had taken Epid. Contrivense & planted it in Castro, as you may know it is a species of the Pacific ranges South of San Jose & tho' this is possible, it is more reasonable to suppose that the natural hybrid, of which a single plant was found here 15 or more years ago was the basis of his description.

4 Thus I do not believe Ep. Orestetii to be a synonym
of Ep. Costaricensis a perfectly well marked &
common sp. of its region, which Rehb also
refers to "Cartago, el Valle" if true. Some
local orchid fan must have had it in cultivation
there & indeed the distance is not far where it
occurs in nature tho' not easily reached in those
days, yet the very fact of these two being
described under # 42 & 43 consecutively
surely points to real distinctness & I believe
the character he refers to in the first case
places it definitely as the hybrid under discussion.

My ~~the~~ plant has grown into a very large specimen
in the course of time - I regret very much not
having been here at the date you called those, as
tho' my collection was in such sorry state, there
must have been many points of interest we could
have discussed.

You identified my # 1102 as a Psilochilus curvatus;
but say 'only known from type collection' in Flora of C.R.
& 1218 as Hesinea oppositifolia, which I suggested
was different to the Pacific H. bidentata.

Of 1395 I have just cut the only flowering specimen,
bring part of it - send it green to you if you can
make anything of it. The plant is a very large & much
branched pendent epiphyte, up to 12' in length
in occasional large specimens, with large bracts,
fan shaped inflorescence & cream colored fls.
column pink greenish, crimson leaves.

I am much interested by your reference to L. Doriana for our Lycium that is referred to macrophylla (Planch) as before. The first named has always puzzled me & I have thought for many years that it must be the pale pink candelabra sp. of the Atlantic coastal plain & if the name applies as you believe to the big upland (L. macrophylla) I think myself it should be placed in synonymy. Then what is the other? #1002. You have referred it to L. Tricolor, but that I cannot think is correct, as that is a species with spined tubs & only found, so far as can be ascertained on the Pacific slope & possibly Rehder's L. Powellii is merely a synonym for that of. Rehder's figures are very indefinite & on that point the Sobralia that grows on my place here in thousands, was referred to S. Maroccanii, but fails to meet the venose appearance of Rehder's drawing. I can assure you that M. pectyosoma & M. Reichensachseniana are definitely distinct, if you saw them growing you would certainly separate them; but there is another species of the Atlantic coastal plain referred by Prof. Ames to this species that is then open for naming apparently, & I think a plant of this was sent & verification will be looked for later & added if found. Now Psidium Lankesteri, though much like O. anispermum vegetatively, seems definitely distinct; & Allen Rolfe referred it to O. Suttonii

But O. Ausiferum seems valid in any case & could be added to your list & I must remember to prepare you a specimen if you have not one for reference, this species attains heroic size of bulb & great length of inflorescence, more than 10' in length is possible, & in regard to its description from Panama it should be borne in mind that a large series of plants is common to Chiquire (from high elevations especially) & Costa Rica, without being truly members of the Panamanian flora which is more of coastal type as the majority of Chiquire is really the southern foothold of our ranges & allied to them especially in endemic forms. Plenothallis Lewisae, I have found this here.

The only Depalissacous alive now here is the one with pink fls, have you any colour experience with your material? If I ever find the brown one, you shall have a specimen, they form large mats, especially on branches of the Esparvel (Arcecardium)

Again I must express sorrow at not being here to receive you last year, I had a grand trip in Brazil just getting across the Bolivian frontier & spending a week at Descalvado (Green Hill).

Yours very sincerely
C. L. Andrews.

I by pardon, my photo of the Atlantic Coastal Maxillaria is labelled M. Compusa Ames, so that clears up a misconception of mine, but I am still own presbycum. Nichenheimiana in district

Dec. 20, 1938.

Dear Mr. Lambertson,

Unfortunately
your letter of last week of the
case seemed under the "I couldn't
find opportunity" to investigate
your claim.

My conclusions about the *Epis-*
temon ~~of~~ ~~intermediate~~ with the Prof.
have come as follows:-

1. The plant which you sent to me,
No. 27 appears undoubtedly to be
a hybrid between *E. ciliata* and
E. Paulsenii (of which *E. fal-*
cata is the ~~most~~ ^{most} variety).

2. Judging from a comparison of the type
of *E. ciliata* and *E. Paulsenii*
from Reichardt's ~~own~~ ^{herbarium},
these species are quite ^{superiorly} ~~distinct~~
from the plant this concept is
quite distinct from your hybrid.

Forgiveness

The red color of the legs in Reichardt's
species is distinctly dilated above.

I note that we have given 1002 to
the ~~holotype~~ as *Lycastet. ...*
I find however why it is not that
species. The ~~holotype~~ ~~antenna~~ are a different
species from those in *L. ...* ~~the ...~~
Will you be kind enough to send
me a good holotype specimen of
Oncidium ... ~~together~~
~~with~~ ~~fresh~~ ~~material~~. This
species was represented with me only
by scanty material.

I was indeed sorry not to see
you at Las Colinas in 1937, but
a first meeting of yours in ... was
very kind to ... ~~and~~
to ...

Very sincerely yours,

C. S.

Aug. 12, 1939

Mr. C. H. Lankester
Las Concevas
Cartago, Costa Rica

Dear Mr. Lankester:

I am working over the Epidendrums for the orchid flora of Mexico and I came to Epidendrum equitantifolium. In studying the representatives of that species outside of Mexico I found that the Costa Rican material is decidedly different. Unfortunately on the twelve Costa Rican specimens we have, there are only two flowers (on collections made by you). I wonder if you would be kind enough to see if you can get me a few fresh flowers in alcohol for study? The specimens we have were taken from July to March.

With my regards, I am,

Sincerely,

Louis O. Williams

Pleurothallis convallaria Schltr.

stelis sp.

Aspasia n. sp.

Las Encarnas

Costa Rica.

June 4, 1941.

JUN 9 1941

D^r L. O. Williams.

Harvard University.

Dear Sir,

I have found in good flower today, a little orchid collected some 3 years ago in Sarapiquí which I think has not yet been sent to Cambridge for identification, it goes as an experiment, fresh by air mail, a costly but I hope for your entertaining trial of this method.

#1496. *Mesospiridium*? San Miguel de Sarapiquí.

Sep & pet, basal 2/3 dusky brownish, apical 1/3 lemon yellow
Column lemon, tip of middle hairy, stigma surface
pale brownish, strongly concave edges, darker brownish, lip
pale white at first days of anthesis 3 faint narrow lines on
narrow at base either side of central orange area in depression
between two raised keels which are slightly hairy.

From 1900 to 1903 I lived 2 hours ride away from
San Miguel & this recent trip was my first return to
Sarapiquí since leaving in Dec 1903, in which month
we had 112" of rain by the way, all roads were destroyed -
bridges washed away, it was a wonderful botanical region
& parts of it still are, I had a boat made & hauled out to
a little lake about 2 miles away in the forest & around the
swampy edge the *Mesospiridium* that Ames described many
years later as ? *Lanksteri*, grew freely in the scrub as a semi-

June 14, 1941

Mr. C. H. Lankester
Las Conchavas
Cartago, Costa Rica

Dear Mr. Lankester:

I was very much pleased to receive your fine letter and the material which was enclosed in it.

First I wonder if I may have your permission to publish the main part of your letter in the American Orchid Society Bulletin. I think that many of our readers would be interested in reading it. I shall, of course, send the copy before it is printed.

Now for the orchids. - They arrived here in fairly good shape although I think that the flowers of #1496 must have been struck by the cancellation stamp and were somewhat mashed.

#1496 seems to me to be a species of Aspasia and I suspect that it is a new species, certainly it seems to be like nothing else that has been described. If the material is still in flower and you have enough of it to spare some for a type specimen I should be glad to see it.

The Pleurothallis is P. convallaria Schltr. It must be quite a handsome thing when growing.

I know so little about Stelis that I hesitate to attempt determinations of them without complete specimens. Prof. Ames knew them quite well but he only works occasionally now and I am afraid most of his knowledge about them is going to be lost.

Incidentally, since you mention Trigonidium Lankesteri, I received a fine specimen from my friend Paul Allen in Panama. It is a striking thing.

With my regards, I am,

Sincerely,

Louis O. Williams

1296
Las Concepcion

Cartago

June 23. 1941.

Dear Dr. Williams,

I am repeating with another bulb that has 3
flowers & hope these may escape the wrath of the stampers of
stamps at the Post Office, those *Stelis* & *Pleurothallis* were put
in as possibly of interest & another goes today, this is the
of Ames one described as *S. Cascajalensis* & then later
referred to *Leucopogon*, not according to my belief correctly.

Now I believe this little *Aspidium* must be
Mesospidium Warszewiczii, & I send it to you, as
little likely to have been in cultivation, the fresh ^{leaves} *Stomoxys*
might prove of interest.

I await your selections from my dump &
shall be glad to receive, as no one has ever been able to read
my writing, even Allan Rolfe used to pick out some ^{pieces} *penning*
stuff as from my pen.

Ichlecter in so many cases described species
as new on purely political grounds, the times of a ^{man} *trip*
are poor ecological reasons for specific differentiation.

Adiantum Powellii, *Lycastrum Powellii*
& *Onidium Powellii*, are cases in point, & what shall
we say of his re-identification of *Mitrella Sudleri* —

Salaam,

Yours very

O. L. Kestel.

Shan with *Thymopetalum canadense*
+ *Lespedeza*
in *Pinus strobus*, *resin* & *nut* *them*.

June 30, 1941

Mr. C. H. Lankester
Las Concevas
Cartago, Costa Rica

Dear Mr. Lankester:

Thank you very much for the second specimen of the little *Aspasia* which you were kind enough to send to me. I showed it to one of my associates and find that he has the same species from Chiriquí and is going to call it *A. pumila* Schweinf. It will doubtless be published in a short time. 5

I am going away on vacation tomorrow but will have your letter copied for publication in the Bulletin as soon as I return. I shall send a copy to you for your approval before it is printed.

With my regards, I am

Sincerely yours,

LOW:LHS

off. statidii

near *transcensilis*

AUG 4 1941

Las Leoneras.

Cambridge, C.R.

July 19, 1941.

Dear Dr. Wislizenus.

I thank you for yours of June 20th & hope the little flowers reached you in good shape. It surprises me very much that a densely caespitose plant like this could belong in the genus *Asperia*.

How how does the old genus *Mesospiridium* differ from this? I don't mean the oldest version of *Cochlioda* which of course is nothing whatever like this, I should put my question differently & ask you what is *M. transcensilis*, & how does it differ from my specimen under reference.

I hope your vacation will be blessed with good weather, will you be out in the woods & woods.

With best regards

Yours very sincerely

C. H. Lambert

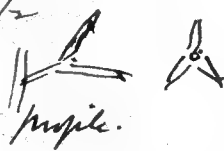
What an honor for a place called Cambridge to have an Oxford St.

It was an astounding thing to me to see *Mesospiridium frustulata* allocated to *Pleurothallis*, it couldn't be done to a living specimen. no air.

WV.

The July Bulletin came before this could be posted, having run out of envelopes gives me a chance to send a word of appreciation - thanks. I enjoyed very much Stelling's very interesting ecological notes & superb photos, also a recent enjoyable visit from Mr. & Mrs. Scribner added point to their article on their trip to Panama, I believe they are somewhere the other side of Iragui, a tough time of the year this for the CR woods, though good finally for Pleurothelids etc.

I have never sent the Stelia herewith to Ames, it is a very large sturdy plant with broad spatulate leaves much like those of P. gelida. Leaves 5" x 2 1/2" pale yellowish green. Jalisco. Navano forest.



M

August 3, 1941

Mr. C. H. Lankester
Las Conchavas
Cartago, Costa Rica

Dear Mr. Lankester:

1a As I wrote you some time ago, I am having my idea of your letter of June 4 transcribed. Rather than do as Mr. Rolfe did and describe "some mighty queer things" to your pen, I am sending a copy of the transcription for your correction and emendations.

I have had another letter from you this morning, in which was enclosed a specimen of *Pleurothallis*. I shall get at it very soon and try to send you a determination of it.

We do not have a single specimens in our herbarium of Mesospinadium Warszewiczii, but we do have the figure of it from Reichenbach published in Xenia Orchidacea, and I enclose herewith pertinent parts of that figure. You will notice that the lip is quite different in shape and has a different callus from Aspasia pusilla. You will notice from the lateral view of the lip and column that the lip is free from the column to the base. The leaf and inflorescence which I have sketched crudely, are also quite different. 15

Following your suggestion I have looked into the combination which was made of Masdevallia fimbriata to Pleurothallis. Those two genera along with Stelis, some Lepanthes, Phrysosiphon and some of the other pleurothalloids, are a headache. Really, there is no good generic distinction in the lot, but it would be a crime to put them all together.

I am glad that you are enjoying the American Orchid Society Bulletin and I hope that I can get an occasional note or article from you to put in it.

Mr. C. H. Lankester

Page - 2

I was very much intrigued by the very large postal stamp on your letter. I believe that you at one time collected stamps and I wonder if you have the many recent United States commemoratives. If not, I shall be glad to send you as many of them as I still have.

With my regards, I am

Sincerely yours,

LOW:LHS

August 5, 1941

Mr. C. H. Lankester
Las Conchavas
Cartago, Costa Rica

Dear Mr. Lankester:

I have gone through the herbarium today trying to match the specimen of Stelis which you sent me in your last letter. So far as I am able to tell, it is a new species allied to Stelis transversalis.

I wonder if you could send us the complete specimen of it for the herbarium so that I may go over it more carefully with the complete specimen in hand before it is described.

With my regards, I am

Sincerely yours,

LOW:LHS

Las Conchas, Cartago, Costa Rica

Las Conchas

Cartago.

Aug 15. 1941.

L. O.

Digo yo.

I thank you for two letters, one with enclosure
herewith returned with corrections.

Thanks for the characterization of the Mesospirindis.
This must be a ^{great} great rarity. I cannot ^{recall} recall ^{seeing} seeing anything
like it, so many things here are fantastically rare, very
likely it ^{occurs} occurs in the ^{northern} northern ranges which are practically
unknown to me, though nobody ever ^{sees} sees the whole works.

Yes, I quite realize the puzzles set by the ^{generic} generic
groups of the Pleurothallid, yet I do feel its remaining
sorting a bit fine to put M. fimbriata into Pleurothallis,
Pleurothallis hamata could be agreed to, though ^{to my} to my
^{mind} mind ^{waste} waste of time, this ^{distinct} distinct ^{species} species occurs
on my property here.

A big willow was blown down last week at the lagunas
here, not 300 yards from the house & on it I found a
Pleurothallis quite new to me, one of the Lepanthiform
position, with fascicles of stamoid inflorescence.

Of these generic separations, one of Schlecter's is a well
known to doubt it is certainly an amazing plant of
extreme rarity, Brenesia, with pendulous racemes - strong
broad foliage. I had one growing at Sanitation - on looking my
house all my plants - went to Kew, I don't suppose they could
find it in the foul atmosphere there



Stamps, why how good of you, come any you can spare will
 be very welcome. glad you liked the poster on my letter.
 Now, what Itchi did I send. I think it was one I brought
 here from my stay with Skutub at Varadavara so it seemed
 to amongst his specimens, (though not being a specialty of his
 he does see all the orchids,) it belongs in with S. Standleyi -
 S. Indragiri I believe, interesting ^{account} in ^{of} the ^{places} at which
 the ^{sepals} are ^{not} ^{growing} from them a very different appearance
 at slight changes of the angle of view. I have snatched off
 a piece of the plant in the hope it is the right one. Herewith.

I enclose a curious little *Oncidium* collected in the
 environs of São Paulo, 4 years ago. The winged hood of the
 column & crest of the lip are extraordinary. Learn my recollections



Onc. Hoffmannii Cogn.

With best regards

Yours very sincerely

C. Standley

~~aff. *Cheirophorum* sp. ?~~
 all *Anticleria* sp.?

September 10, 1941

Mr. C. H. Lankester
Las Concavas
Cartago, Costa Rica

Dear Mr. Lankester:

First in regard to the *Stelis* enclosed in your letter. I suspect the one which you sent in your recent letter (August 25) is something else. You originally wrote of it thusly: "I have never sent the *Stelis* herewith to Ames, it is a very large sturdy plant with spatulate leaves much like those of *P. gelida*. Leaves 5" x 2 1/2", pale yellowish green, navarro forest." The leaves on the present plant do not fit nor do the bracts of the inflorescence agree.

You will recall that the flowers of *Stelis* that you sent have the most peculiar sepals. Each margin is rolled back and present a rather distinctive appearance. I enclose one flower from the inflorescence you have sent, hoping that it will help you to call it to mind.

I am rather interested in your comment on the genus *Brenesia*. I would think with you that it is not distinct from *Pleurothallis*. As a matter of fact I have had a manuscript for several months with a note on it and had it changed to *Pleurothallis*. The name will be *P. lateralis*.

I shall be glad to see the little lepanthoid *Pleurothallis* which is in your willow tree that blew down.

I was very much chagrined in looking through my duplicates of U.S. commemorative stamps to find that I had only about fifty of them. This is not a very good showing considering the large number which ex-Postmaster General Farley inflicted on the country.

The little *Oncidium* which you collection in the enviorns of Sao Paulo is *O. Löfgrenii* Cogn. It is an interesting little fellow, isn't it?

Mr. C. H. Lankester

Page - 2

Have you met Paul Allen who lives in Balboa? He is most enthusiastic about the orchids of Panama and is certainly turning up his share of novelties. A few days ago I received a brand new Trichopilia.

With my regards, I am

Sincerely yours,

LOW:LMS
Enclosure

1497 *Lepanthes floripetala* (Rehb.) Ames - Handwritten

C. H. LANKESTER

"LAS CONCavas"

CARTAGO, C. R.

TELEGRAMAS A:

DULCE NOMBRE

Sep 30. 1941.

OCT 20 1941

D. L. O. Williams.

Harvard University Museum.

Dear D. Williams,

Your of Sep 10th was instructive & contained the
found assortment of U. S. G. pictography in recent stamp
issues, that ally carry on a ~~great~~ philatelic tradition. I am
most grateful for this splendid assortment, which is too good
& send home to our Flight Sergeant in the W. G. G. to for whom
chiefly they were begged, until Hitler's sea hyenas are
put out of business.

Well, you are right, it quite slipped my so-called
mind that I had sent you a fresh *Stelis* from that big
havana *Stelis*, which I have long believed to be undescribed,
at least flowering you shall have material.

Breueria. I know it may be difficult to provide
an adequate name for such an outstanding species as
this, may I say that lateralis seems halting for *Stelis*
very fine & intrinsically rare species, if Albert Breuer
has no Plenothallis named for him, it seems to me he
might receive this succession if you break down Stelis
genus, ^{the name} & lateralis sounds & looks so much like our
common P. lateralis.

I have a fine specimen of the little "Lepanthes"
Plenothallis from my wilsons, an amazing *Stelis* affair,
there wasn't a drop of household alcohol around the joint so

While talking to Mrs Wilson Pope at the Hotel Las Cañas, an orchid from turned up with flowers plants of
said *Plenothallis* & two fragments in bloom of *Plenothallis* *lateralis*, this I had only seen once before
it is the parent of the genus, bigger than *P. lateralis*, but in striking plants, the by plant of *lateralis*
was a magnificent orchid, I am hoping to grow them two pieces, but there were some forest of our land to
desert in cultivation.

he was pickled in CR Smt Gin, the flowers are of that
delicious hyacinth-like appearance so frequent in the
Pleurothallis & only faintly washed with the vinaceous
coloring also appertaining to the group.

Thank you for naming my little Oncidium; it
commemorates a very active orchidist to whom a most
interesting Spidendrum was dedicated & one of the
orchid walks and through the thickets which frame the
garden of the São Paulo Orchidarium made by J. C.
Hochm. also commemorates him.

I once had the privilege to see Paul Allen here soon
after he came down this way, & only wish he were a little
nearer, he would be stimulating.

There is a lovely one Dichopila very common here
Dumaliba. D. punctata which I have not seen for years;
in the Pacific lowlands we have also a rather pretty white
one with sprays of flowers which I have never been certain
about, I was away at our other plantation today & may
have missed a genuine little Sobralia with extremely
narrow plicat leaves from General, this I hope to send
you & believe to be new. The lovely little D. Douglasii
is also blooming now & one lovely spray of Polycaemum
barbatum bulvianum one of the darkest corners of our jungle
garden.

Best regards

Chambers

Enclosure # 1497.

C. H. LANKESTER
"LAS CONCavas"
CARTAGO, C. R.

TELEGRAMAS A:
DULCE NOMBRE

Oct 21. 1941

NOV 3 1941

Dear Doctor Williams.

Best thanks for the liberal dose of Ann Bot
Bull for Oct, I like very well the display of pictures made
at Mr Sherman Adams estate, even the big one which shows
of several of the pictures is an attractive statement of
how a greenhouse looks on a sunny day under that shade.

My boy was up here today from the place he comes
at Cachi - we took a stroll through the wild orchid garden
I am trying to establish in some willows at the end of our
little lake, he noticed one of our *Trichia* in flower - I found
it was a ^{probably} *Oxyteloglossum* new to me, as I suppose as the one
previously grown here is *S. acuminatum* that this may be
S. costaricensis, Pohl, a most strange flower; as I hope this
will reach you fairly fresh, you will be able to realize its
 quaint make up. Neither of these are of much attraction but
definitely interesting plants - & if of wide distribution never
 seem to be common.

This is a trial sending by ordinary mail for cheapness
to see if it may be possible to get flowers begun in fresh condition.
Strongly hygroscopic flowers like *Stelis* from rain forest could
not possibly reach you in good shape, I hope that the existence
of these *Oxyteloglossum* may carry them through this trial.

Again thanks for these extra copies, it amuses me to think I came
from *C. Burmanniana*, I long to go up to Stroudness to discover its
ecological secret.

Saludes.

Yours exp

Calummett.

I enjoyed seeing an article by Prof Oakes Ames + as so
interesting a theme, H. G. Moon was Freddie Standen's
brother-in-law + he painted gleaming green landscapes in
the way of Corot that were very attractive. I wonder if you
or Ames ever had time to wade through the many (more than
a dozen) volumes of Day notes + pictures of orchids, these
are at Kew + if I were financially able I'd love to publish
a selection of them, when you go to Kew next, make a point
of looking through these volumes, of course there is such a
wealth of iconography at Kew it's a job to know what to
start on, but I'm sure that Day might settle many a
question of specific validity.

Syrtelogyssium acuminatum @ S.S. - The type of this is your No. 1091
and there is a note on the label "very like my #447 but quite different
in flowers". Could #447 (which we do not have under this genus) be
the one you recall? There can be no doubt about this one

October 22, 1941

Mr. C. H. Lankester
Las Cóncevas
Cartago, Costa Rica

Dear Mr. Lankester:

The bottle of containing No. 1497, which was preserved in CR. gin, and your letter have just arrived here.

The little orchid is quite an interesting one and I guess that it adds another genus to Costa Rica. It is Lepanthopsis floripectin (Reichb. f.) Ames. Ames described this genus in No. 9 of the first volume of the Bot. Mus. Leaflets. You will find your little plant illustrated there. The species has been previously collected in Honduras, Venezuela, Colombia and Brazil.

I went at once to the index to see if I might follow your suggestion and rename Brenesia for Alberto Brenes. I find that Schlechter has already described a Pleurothallis Brenesii. The ~~xxxx~~ name lateralis is quite a distinctive one, - so far as I know there are only two species in the whole genus which have lateral inflorescences, - even though it appears quite similar to P. lateritia.

Sobralia is, I think, one of the toughest genera of Central American orchids. I have just finished, recently, the ms. for the ~~orchids-of-Panama~~ Sobralias in the flora of Panama and if the key ever works I will be surprised. Never-the-less I have had the temerity to describe two species of Sobralia from Panama recently. All this is merely to say that I will be glad to see your specimen when it flowers again.

Also I shall be glad to have a try at the Peculiar Trichopilia.

It is interesting that you have Pleurothallis saccata again. Apparently all of this that has ever been found was the piece that you sent to Kew and which they sent to Ames for determination, - and went back to Kew. That was fragmentary and only had the basal part of the leaf blade, some inflorescences and a part of the stem. You had stated that that plant was a meter high.

With my regards,

November 8, 1941

Mr. C. H. Lankester
Las Cóncevas
Cartago, Costa Rica

Dear Mr. Lankester:

Your last sending, *Systeloglossum*, has arrived here in good shape.

The material was a perfectly dried as if you had had it in press for a week or two before it was put in the mail. Most material sent fresh in letters is dried by the time that it gets here, - or worse still decayed.

I am glad that you enjoyed the October Bulletin and hope that the November one will meet with your approval. -- I should be more than happy if you could find the time to write me an article about your collections (photos too) that could be used in the Bulletin.

The plant sent is *Systeloglossum acuminatum* A. & S. This is exactly like the type, which you collected, and I wonder about your statement that it must be the other species as you knew *S. acuminatum*. On the label of your 1091, type of the above, there is a note "very like my 447 but quite different in flowers". I do not know what your number 447 is but it is not among the *Systeloglossi* here. Could you be thinking of that, whatever it was, as being *S. acuminatum*?

I have never seen the Day notes and pictures at Kew. Perhaps Ames has. If this stupid war is ever satisfactorily concluded perhaps we can all go there again, and then I shall look them up.

Harping back to an article. Would not one about the wild orchid garden that you are trying to establish be of considerable interest? I think it would!

With my regards, I am,

Sincerely,

La Palma is a frequent place name in literature. The next word is rain forest. San Juan about 500' San Juan 400' In land. Kieczyga.

C. H. LANKESTER
"LAS CONCavas"
CARTAGO, C. R.

NOV 24 1945

TELEGRAMAS A:
DULCE NOMBRE

9. XI. 41.

Dear Dr Williams,

I had it in the back of my mind that plant was Lepanthopsis, it is a cute little thing & it seems happy in the Doracena in the garden to which I transferred it.

One of the San Juan garden sent over a man this a.m. to see if there are any Norma for some function during the week, I found out he was the son of an old orchid peddler known well to me years ago & so he knows also the district of Pleurocaceata he ~~was~~, on seeing it, claims to know the plant, so I have hopes to get other if my present rather sad specimen fails to come through. These rain forest species that one may occasionally find of heroic size due to long continued optimum of growth, seldom can be induced to attain such development in cultivation, at least they never grow P. grandis & even remotely suggest it was crabby of that specific term.

Sotralia I can well imagine to be the toughest genus, the old contorted wreath of flowers that usually result from drying stem to me well nigh impossible to specify, many have leaf or stem characters & in one instance an extraordinary rhizome, it was surprising to me to have my common local plant, abundant, even yet, on this farm, classed as S. Wausonizii, & I must say from Rehb's figure in the Biotrop I cannot think this is correct.

I had a scrap with O & about S. pleiantha & still when there's some pressing business here, of course too much reliance cannot be placed on Alfred Borda's memory

but he ^{affixed} applied this name to a very different species, represented in
Emilia Span's series of CR orchid pictures, this fact in itself
would be of slight significance, but the locality given, La Palma,
de San Jori, is disturbing, as it is scarcely credible that a
common species of the Pacific coast could ^{occur} occur up there.

However.

I wonder what was I said about a 'Peculiar Trichopilia'? I thought
Paul Allen's species a very nice looking addition to the genus, we
have a similar one in the Pacific that still lives in here much to
my surprise; still puzzling at 'Peculiar' with a capital P or all,
don't tell me this comes from my attempt to write punctata.

To revert to Iohraia, one collected in the River valley where I
stayed with Skutch has grown reasonably well & occasionally
flowered, today it has a bud, the job is to catch these things
at the right moment for preservation, it's a cute little bell shaped
flower, the stems are terete, the leaves long & very slender, I a
guess 8" x 7/8" & the stems prostrate or pendent.

Have you ever seen the Iohraia growing in the little park
at Funchal, Madeira? They are beautiful, evidently a Brazilian
species & very hard at home, some Stanhopeas also ^{live} there
there, I have seen them 4 times in the last few years & made
friends with the old boy in charge, he gave me a lovely *Zebrina*,
another place we ^{visited} ^{visited} ^{visited} was ^{London} ^{London} ^{London}, especially for the
'Estufa pra' in the Edward VII park, a grand ^{display} ^{display} ^{display} of ^{tropical} ^{tropical} ^{tropical}
plants, & say if the U.S.A. wants some ferns, just grab La
Martinique, that's one dandisimo island, I suppose the
medium we saw there was O. altissimum, this was merely a
day visit visit visit, the last time I went home, looks as though this
was is going to stop any more frequent trips home.

Jalisco

with an asterisk.

Very many thanks for separate copies of the Buce with my letters.

C. H. LANKESTER
"LAS CONCavas"
CARTAGO, C. R.

TELEGRAMAS A:
DULCE NOMBRE

Nov 22. 1941

Dr L. O. Williams,
Botanical Museum
Harvard University.



Dear Dr Williams.

In the string of great American benefactions
the outstanding examples are of Carnegie with libraries, books,
& Peace Palaces in these countries & the Rockefeller Foundation's
great Therapeutic & Sanitation Campaigns, now, how would it
be for a great orchid loving family like the Duponts to make a
wild (& tame) orchid reserve here in Central America, to preserve
a Sanctuary in the midst of wide spread destruction & to make
possible the continued existence of large numbers of plants that
may otherwise become extinct, & also to raise hybrids of all
types under both natural & laboratory conditions.

My reason for suggesting this to you is that you
probably know many members of the family & might be willing
to make the suggestion, I have a practical interest in asking
you, as this place of mine here is just ideal for the purpose
& is already in a small way, started to be just such an orchid
home, herewith are particulars, just an outline. if you
think there is any use in mentioning the proposition. The Central
districts of Costa Rica are being rapidly depleted of original

Vegetation, during my 41 years here, showing a rapid deterioration have been made + continue, I should love to see this place made a perpetual haven for orchids, & other plants & trees, & while it might not be desirable, it could be a commercial proposition very soon.

Undoubtedly it would be a notable point of good neighborliness & a great standing advertisement, & a real contribution to the future.

Forgive me for troubling you, but I have long had the idea in mind.

With best regards,

Yours sincerely

Ch. Lowcock.

3. Main objects.

Orchid protection & production.

Model Dairy Stock farming.

Duck Sanctuary.

Dear Dr. Williams:

In the string of great American benefactions the outstanding examples are the Carnegie with libraries, books and Peace Palaces in these countries and the Rockefeller Foundations great therapeutic and sanitation campaigns. Now, how would it be for a great orchid loving family like the DuPonts to make a wild (and tame) orchid reserve here in Central America to preserve a sanctuary in the midst of wide spread destruction and to make feasible the continued existence of large numbers of plants that may otherwise become extinct and to raise hybrids of all types under both natural and laboratory conditions?

My reason for suggesting this to you is that you probably know many members of the family and might be willing to make the suggestion. I have a practical interest in asking you, as this place of mine here is just ideal for the purpose and is already in a small way started to be just such an orchid home.

~~xxxxxxx~~ Herewith are particulars, just in outline, if you think there is any use in mentioning the proposition.

The central districts of Costa Rica are being rapidly depleted of original vegetation. During my 41 years here shocking deprecations have been made and continue. I would love to see this place made a perpetual haven for orchids and other plants and trees, and while it might not be desirable it could be made a commercial proposition very soon.

Undoubtedly it would be a notable point of Good neighborliness and a great standing advertisement and a real contribution to the future.

Forgive me for troubling you, but I have have long had the idea in mind.

With best regards,

Projected Orchid Sanctuary.

C. H. LANKESTER
"LAS CONCAVAS"
CARTAGO, C. R.

TELEGRAMAS A:
DULCE NOMBRE

The two properties adjoin, Las Concavas proper, ^{about 115 acres} a coffee estate with small complete coffee factory + power installation, with own waterworks from springs 3 miles away, about 200 acres of coffee, with production of 500 to 1000 qq of fine quality coffee, which could be retained or developed to woods for wild orchids. The adjoining 162 acres, together with pasture land + cut feed areas of the main block, would form an admirable chance to make a model Dairy farm, as a focus for introduction of fine American stock. An interesting feature is a small lake, where in winter Pintail + teal rest on migration; in private hands the temptation is too great, + though much more restraint is exercised here than might be likely in other ownership. Complete protection is desirable ~~in~~ as a link in a possible chain of migration sanctuaries.

Copper ore of high content exists - though not occurring in great possibilities, further explanation by more competent observers may demonstrate its value.

Elevation varies from 4700' down to 4200' at river level so that considerable water power could be developed if desired, or almost the whole area could be irrigated.

There is a small residence, stable + 3 cottages, ^{concrete swimming pool} + a fine collection of introduced orchids + many native species. Some fine modern hybrids are included, some from well known collections, Sir Jeremiah Colman, J. J. Hambury + Carl Holmes, or some purchased from Alexander, Black + Gray, Low, Jander, Flandria etc.

In the event of any sale, I should select 150 plants mostly duplicates.

References & miscibility could be made to: —

Dr Alexander Wetmore, Smithsonian Institution.

Dr Wilson Pope, Antigua Guatemala.

Dr Thomas Barrow, Harvard University.

Dr Paul Standley, Field Museum, Chicago.

& I expect, the local agents in Costa Rica.

An idea of Prad would be \$20,000 cash & \$ annual payments of —
\$10,000 @ 4%. or as suggested.

Projected Orchid Sanctuary

The two properties adjoin, Las Concavas proper, about 415 acres, a coffee ~~rix~~ estate with small complete coffee factory and power installation, with own ~~watix~~ water _____ from spring three miles away, about 200 acres of coffee with production of 500 to 1000 _____ of fine quality coffee, which could be retained or developed to woods for orchids. The Adjoining 162 acres, together with pasture land and cut feed areas of the main block would form an admirable chance to make a model dairy farm, as a focus for introduction of fine American stock.

An interesting feature is a small lake where in winter Pintail and Teal rest in migration; in private hands the temptation is too great and though much more restraint is exercised here than might be likely in other ownership, complete protection is desirable as a link in a possible chain of migration sanctuaries.

Copper ore of high content exists although not seeming to offer great possibilities. Further exploration by more competent observers may demonstrate its value.

Elevation varies from 4700 feet down to 4200 feet at river level so that considerable water power could be developed if desired and almost the whole area could be irrigated.

There is a small residence, stable, three cottages, concrete swimming pool. A fair collection of introduced orchids and many native species. Some fine modern hybrids are included, some from well known collections, Sir Jeremiah Colman, F. Hanbury and Carl Holmes. Some purchased from Alexander, Black and Flory, Henry Low, Sander, Flandera, etc.

In the event of any sale I should select 150 plants, mostly duplicates.

References to suitability could be made to:-

Dr. Alexander Wetmore, Smithsonian Institution

Dr. Wilson Popenoe, Antigua, Guatemala.

Dr. Thomas Barbour, Harvard University

Dr. Paul Standley, Field Museum, Chicago

and I expect the local agents in Costa Rica.

An idea of price would be \$20,000 cash or annual payment of \$10,000 at 4 o/c, or as suggested.

M

December 1, 1941

Mr. C. H. Lankester
Las Concavas
Cartago, Costa Rica

Dear Mr. Lankester:

I have your letters concerning your place and the plans that you elaborate about it. It is most intriguing and I would be interested in working on it a little to see what I can do about it. Perhaps very little but I should be glad to give it a try.

It might be a good idea for you to write out a rather detailed letter about it and then have it typed (or I will have it done here) and send it to me. I will then write to the people whom you mention and get letters from them as to the feasibility of the plan. These letters along with yours could then be sent to Ethel DuPont, who I know best in the family, to see what reaction there might be.

Prof. Ames is in the hospital (boil on his leg) but as soon as he comes in again I will talk to him, or if he goes off to Florida before he comes in I will write him. He knows well how to develop a thing of this sort and his advise would be invaluable.

It might be a bit of good propoganda if I could have a fairly long article (1800-2000 words) and enough good photographs to cover a page or two for publication in the Bulletin a month or two before the matter was brought up. This might cover what Costa Rica was like when you came there, how it has been "developed" with the consequent loss of area available to orchids as well as other plants. What you have done to preserve orchids with photographs showing habitats which you have for wild orchids and how you keep the "tame" ones. How the plants prosper there, the desirability of this particular region because of its elevation, temperatures, etc. This you know as well as anyone and can develop it to best advantage.

I think that there is going to be somewhat of a revival of the growing of species orchids of the botanical types in this country due to orchid growers taking their vacations in Central America rather than Europe. This might also be a good point. A place where visitors can see many wild orchids growing in natural habitats.

I am enclosing copies of your letter and of the projected orchid sanctuary. These may be useful to you in writing me a letter that can be presented to Mrs. DuPont.

Sincerely,

To Lucy Ames, 1942

My dear Lucy:

Thank you so much for taking time out to
make another life a little happier. ~~was~~ But above
all for ~~including~~ including "Wrens on Main" ~~There~~
in that nice wilderness of ^{Coined} ~~many~~ books, destined
to keep my mind in its proper groove. ~~Perhaps~~ ~~me,~~
~~nobody~~ ~~I~~ ~~know~~ ~~of~~ ~~any~~ ~~possibly~~ ~~understanding~~
~~the~~ ~~better~~ ~~than~~ My ~~presentation~~ ~~could~~ ~~not~~ ~~be~~
impaired by a thorough understanding, of
Percival H. Wigg's halcyon ^{and} ~~business~~ ~~of~~ ~~your~~
~~boat~~ ~~he~~ ~~up~~ ~~and~~ ~~and~~ ~~another~~ ~~of~~ ~~the~~ ~~same~~
~~acquaintance~~ ~~and~~ "Wrens on Main" ~~There~~

Carlyle is not just for the time
being, because in "Heroes, Her- Washburn on the
Heroic in History" he says something about
the "Band of Job" being the mightiest product
of men.

In ^{my} ~~the~~ little social thermometer
which registers the temperature of my affection
for dear ones, the mercury has gone up
several degrees for you.

FABRICANTES de
CORREAS (small)



WORCESTER, MASS.
U.S.A.

CURTIDORES



C.M.

JUN 4 1943

Cattleya Trianae alba.

Recent discussions seem to imply that no true white exists of this species. What is your opinion of this form? I suppose only breeding can prove its quality.

Saludos.

January 5, 1942

Mr. C. H. Lankester
Las Cóncevas
Cartago, Costa Rica

Dear Mr. Lankester:

I found your package when I came into the Museum yesterday, *Cattleya Trianaei* var. *alba* and not the *Sobralia* which I had expected.

I am afraid that the that the flowers got into too much cold along the way somewhere for they were pretty well browned up when they arrived. It is possible to tell enough about them to say that the form which you have must be an exceedingly fine one as to shape. -- I am not able to tell for sure whether your flowers had a yellow spot in the throat or not, it rather looks as if they had had. I have never seen a pure white without some yellow and I can find no mention that there has been one recorded.

John Mutch of Wheeler and Company got a very fine white in an importation some 30 or 40 years. So far as I know this was the first good white of the species that there was in America. I understand that the front bulbs of this plant were sold soon afterward for \$10,000 (Recognise the figure? It crops up often.--It is also rumored that a small lot of *C. Mossiae* var. *Mrs. J. T. Butterworth* brought \$30,000 and when I mentioned this to Geo. Butterworth Sr. one day he did not deny it, - nor confirm it). I saw the few plants of *C. Trianaei* var. *alba* owned by Mutch last spring. They are pretty fine but many a modern hybrid is better.

I do not know what these whites will do in breeding. The constitution of many of them varies considerably. I suspect that you should get a few more whites out of seed made from the plant than out of an ordinary colored one but I doubt that the percentage would be startling. Genetically it is probably far from a pure white and I guess that the white color is a recessive character.

Cattleya gigas var. *alba* or *C. gigas* var. *Firmin Lambeau*, the latter perhaps the best of the whites of the species, almost never gives white progeny and I guess that

Firmin Lambeau is practically sterile. My friend Rodney Wilcox Jones has one of the few plants of Firmin Lambeau in the country. He put the pollen from it onto a C. Mossiae var. Magneri last spring and now has a nice plump pod, - whether the seed will be good and if good whether they produce good white progeny. I suspect that he will get a lot of C. Enid that will be difficult to tell from the ordinary run, if plants ever come through.

I have just been requested to hurry myself along so it is possible that we will leave Cambridge for the duration by the end of next week.

Regards!

January 31, 1942

Mr. C. H. Lankester
Las Cóncevas, Cartago
Costa Rica

Dear Mr. Lankester:

I really must apologize for being so terribly slow in answering your good letter of December 12.

First as to the specimen *Mermodes* which you enclosed. I think this is *M. atropurpureum* Lindl.. This genus, as you know, is often most exasperating and the flowers are phlymorphic.

I thank you also for the snapshots of your garden which you enclosed. Fortunately they arrived at a time when I was making up a plate on Costa Rica for the Bulletin and I have included three of the best of them in it. Perhaps you remember Ruth Bowell Svihla who visited your place last summer? At any rate, you will see a small squib about it in the February issue of the Bulletin that you should receive within a few days.

I have not, as yet, done anything concerning your place. I think that Mr. W.K. Dumont would be finally the best person to approach in the matter but I know that at the present time she has a very bad case of war jitters and I hardly think that now would be the time to approach her. I think, however, that if it were possible to have an occasional article and photographs in the Bulletin it might help considerably.

I have also had this idea, would you care to have someone come to your place and write it up for this "Visiting Your Neighbor" brainstorm of mine which you have probably seen in the Bulletin? If this were satisfactory with you, would Alex Cohen be persona gratta, provide of course he would be willing to do the write-up.

Mrs. Svihla was apparently very much impressed with your garden and there is a good word or two of propaganda about it in the Bulletin.

With my regards I am

Sincerely,

LOW/cl

Las Conchas
Cartago.
March 15. 1942.

Dear Professor Ames,

I venture to send you these few seeds, obtained from a friend on whose property this fine *Melastomaceae* occurs, (after years of begging) he has finally sent me a small package containing a dozen completely empty capsules & 5 unopened ones (these look rather like *Conium* & *Impatiens* fruits) well at least I am going to ask you to try them, as if you could get it to grow it would be an interesting new plant.

I found it over 70 years ago & sent specimens to Allen Royle who described it as *Antea*, being the 2nd of the genus, whose type *iniquum* was sent by Mackenz, these two are plants of sombre gullies or narrow river valleys so far as I know & would probably be difficult of cultivation here in the 'meseta' at lower elevations in much drier ecology.

When I stayed with Skutch some 6 years ago in the River valley (Pacific slope, General) we found a beauty in flower & fruit & I raised about a dozen plants at Fortín, these I gave to Kew, Wisley & left it at Charlesworths which they advised me last year had been thrown away, from dearth of my original collection I sent seeds to Fco Delgado, the orchid expert of Yacopi, Colombia, & years later he begged me to send him more as it refused to set seeds, so evidently he approved of the plant & grew it to floral success.

Though differing somewhat in habit, it strongly resembles the ubiquitous Stilicium tiliaceum, which has I think slightly smaller flowers.

So, I enclose these few seeds to your care hoping they may interest you, or be of use to some gardening friend, & if adaptable to available conditions, it might be possible to get seeds of M. insignis, which is of similar growth, though rather larger & looks might be more shapely than in their work in nature. if given the space & lighting of an open garden, their somewhat straggling habit is certainly due in part to the nature of their usual cramped & overshaded habitat.

Hope all is well with you & yours.

As ever

Chambers

M

April 25, 1942

Mr. C. H. Lankester
Las Cascazas
Cartago, Cost Rica

Dear Mr. Lankester:

Several days ago I received a small package from you containing an orchid plant and the fruiting material of some other plant.

The orchid is rather an interesting looking one, but unfortunately we could find no flowers on it. It is not recognized by anyone here, even as to genus. But do you wish me to do with the other material? I presume that Stanley or someone at the Gray Herbarium could do it if you wish me to send it on.

With my regards I am

Sincerely,

LOW/cl

W

January 2, 1943

Mr. C. H. Lankester
Las Concavas
Cartago, Costa Rica

Dear Mr. Lankester:

I was very glad to have your letter of the 20th of December, and to know that you are getting along quite famously.

The Sobralia will probably be some time in coming up by ordinary mail, and I may not see it but my assistant or one of the other men in the museum will take care of the matter for you.

I am leaving for Bahia about the 23rd of this month, and will be down there for the duration of the war. This, I think explains the reason that I shall not be able to attend to your plant when it arrives.

I don't know yet how I will go South, but probably I will not pass through Costa Rica. If, however, it does prove that I shall be there overnight or something of that matter I shall send you a cable as to the probable time of my arrival. I think that it is most probable however that I will go from Miami straight across the Caribbean.

I have just been having a go at the Sobralias for the Flora of Panama and I must say that they are by all odds the toughest genus, for a small one, in the flora. It would not be so bad if friend Reichenbach had kept his hands off of them.

I am glad that the orchid Bulletin has finally gotten through, and that you found something in it of interest. I think probably my assistant here will take over during my absence unless he is taken into the Army which is not too remote a possibility.

Rolfe, as you say, was certainly a fine man, and had a very good grasp of horticultural orchids as well as others. It is too bad that he did not live to see some of the fine things that have appeared within recent years. As I understand from Professor Ames Rolfe was not given his free hand as he might have been at Kew, and perhaps would have been able to do a great deal more had he been.

I am almost amused at some of the names that orchid hybridists attach to some of the finest creations. Some are ludicrous like those which you call to mind, and some are just chosen like for example Laeliocattleya Sunburn, which appeared on the cover of a recent Bulletin.

Professor Ames is in Florida as usual, and does not fail to mention the warm climate when he writes his all too infrequent letters. He is, I think, in the best of health.

With my sincere regards,

Yours truly,

LOW/cl

P.S. I have just had a call from the museum saying that a specimen has arrived there air mail, so I presume that it is the Sobralia. I shall take care of it the first thing when I go into the laboratory on Monday.

21. XI. 45

Professor Oakes Ames.
Ormond. Fla.

My dear Ames,

Nothing you could say or think about me
would be bad enough for reality; one solution is for you
& more of Orlando.

It was my hope to get these flowers fresh to you
from the air, it will be a year at least before another
chance appears, to try again, I am sure dried *Sobralia*
flowers must be difficult things to elucidate, at least I
am glad to have the tag of *S. undatocarinata*, an attractive
common local species, a great lover, *undatocarinata*
merits a sonata, several spontaneous little plants of it
have appeared in the garden as it seeds freely.

I have just put into press for you a stem with flower & a
pulled out spare flower, of the species that seems to be the
austrial version of *mesantha* here; it is in the back of where
my mind ought to be, that this was once described as *S.*
Andresii, anyhow it is a species of the Pacific coastal plain
& foothills. It was my supreme joy ten years ago to see in
those glorious plants of Chiapas that herald of all *Sobralias*
Sambolencia & now it grows here & will I hope produce
progeny, both pure or blended for future record here, the
few similar species we found up there were all much larger

a repeat of
my 1226

lasting than the majority of our local representations, an
exception here is the very lovely species that I tried to get fresh
to you by airmail, it is indeed a beautiful & strange flower, I
will send you with this, stems & leaves of the two species that
you claim are conspecific, one from the Pacific Coast, the other
from 6000' on the NW slopes of Irazú, did I send you a photo
of this latter? The yellow flowered Pacific sp is my # 1254,
I was supplemented by a drowned flower, drowned like the Duke of
 Clarence. The Lepanthes was sent merely hoping it might reach
you fresh, this lovely little midget came from the Pan Am
Highway at about 2200^m, I have one growing from there, I this
size, & another that has that new look to me, at least I have not
seen it before. a flower herewith. 1528

The "dear lady who signs her name in such beautiful letters"
is Mrs Cecil Lindo, a light of the Garden Club, she is the second wife of
C L who is a Jamaican worthy who became a multimillionaire here & after
long years of successful Jewry is departing shortly having realized most
of his property, he also made many sugar millions in Jamaica; now old
& in very poor health, Mrs Lindo has been interested in my little essay
for the Tourists on some of the local orchids, which is largely pictures
without words, I am pitching your list from Standley, with I hope
your kind permission, what the pamphlet needs is a series of
Blanch Ames delicious outlines, for generic record.

Oh yes, in the garden, scraggled almost to the ground at the
base of *Phoenix canariensis* is a tight little bunch of the enchanting
Cochlospermum hycinthosum & in my largest shade house two of the
fantastic streamers of *Pandanus lewii*.

Salam. H. K. Lan.

Your age

C. H. Lankester. P.S. over.

Am sending you two negatives. perhaps Schwinforth would like to
fracture that of S. undatocarinata, if I am right in my supposition
that it is that sturdy little species. How about a couple of nice replica
enlargements from them. A Karame 'temporal' is gumming up
everything here, yesterday (Dec 8) Dr Earl Braumann came here to
tea from his wonderful Maricelita Institute & enjoyed greatly
seeing Vandopsis Louis in flower & the very lovely nearly mature
new growth of Asparagus myriocladius, one of those things that
must be seen to be believed.

28. XII. 45

Prof Oakes Ames,
Ormond (from Orlando.)
Florida. E. E. U. S. A.

My dear Ames.

Yes indeed I enjoyed your stamp display & not for the first time. I think this a most attractive sport, ^{of yours} our young ladies at the P. O. always stick our stamps on, very obligingly, obliquely as a rule, but we dare not complain, poor dear, this I must endeavour to train them to nice values & colours & develop a straight eye.

Today your warming letter reminds me I owe thanks for the enchanting & thought provoking card, a beautiful conception, I hope J. S. Elich may see me, & learn that Catholics may associate with sweeter things than Murder. I received it with other mail & a few minutes later opened your decorative envelope in the prosaic precincts of our Esco gas station, petrol fumes & that arresting etching were an overpowering combination. I think myself very fortunate to have a copy, now for business, it will be a very great privilege to help stock

the new greenhouse. my opportunity for formal exploration is rather limited by odds & ends of this & that, so the first instalment is offered tentatively from the produce of our search, with two final items to tempt the professional eye, here then is the prospectus, an olla podrida of CR & wherever, here there & over the hill, as you will see from list, if I have dropped a brick in sending Asiatics just let me know & by the by, if there are any desiderata budding in the woods here, I cannot promise them, but given time most of them can be smoked out; if packing space permits some Stelis & Pleurothallis shall be squirmed in, though fumigation may be a stern test for such little plants. It is my hope to get these prepared & packed for air-mail on Monday, I understand inspection is soon to be arranged at Miami, with the reports we have of procasone low temperatures of hotels, we fear any delay may be very discouraging to our behind in first learning home.

How about Bromelias? Some of our Thecophyllum from 5000' to 10,000'
ought to enjoy your climate, there's nothing but weather when they live,
in nature they have brilliant brightness or intense pattern which alas fades
& almost unobscured green with our garden methods here; with few
exceptions, among them some of this very genus, our Bromelias compare
unfavorably with those of Brazil, one very fine & local species evinces
dear old Henri Pittier's name, the very spiny Aechmea from the S W
frontier with Panamá, a grand plant with a great red long lasting panicle.

On my list I show the two Maxillaria (not last as said above)
by*, the first of these was referred by Allen Rolfe tentatively to
Mr Soderici probably from characterization, the bulbs are deeply crinkled
& this is a very common plant on the Atlantic Coastal plain, the other
is one of the plants handled in the streets, of recent years, & I do not
recollect having found it myself, nor sending it to you, florally
they are much alike & of course they come within a group of similar
forms varying much in size, including here, Arachnites, but also
& Powellia, & possibly ecology has handled some of those allied
forms. Whether it is fair to ask Mrs Ames to grow these two
together I may be lean to doubt, but a precaution effects unexpected
facts, even in England, I feel sure these two will interest you, especially
should they be so fortunate as to flower at the same time.

Judging from the trend of Soderici's collection the latter of these
the more likely to bear his name, by the by, I have his copy of the
Beitrag of '66 sent him by Rehb, his signature, in manuscript
scrolling script, has almost faded out.

Salams to you & Mrs Sahib.

As ever

Ch. Lamberton.

S. I. 46.

Dear Mrs Amer.

I will reply to yours of Dec 23rd as it will give you a chance to post this supercharged stamp, with its acknowledgment of two heroines, of the 14-18 & Crimean wars (& in that one my father was 3rd officer in a Troopship) a rather nice tribute I think.

Well, we completed all the dustings around & about, necessary to send a parcel of plants in its aerial way, you wouldn't believe what a game it is, permission to export & from funds in to a Bank, then to the Junta de Control for stamps, Plant Pathological Certificate, then Dacca for freight & postage charges, all this means a day in San José.

∴ earnest hopes for safe delivery, Dacca claims they send in bond to Miami & then it goes up, or not if local delivery can be effected, to Hoboken.

Is it possible that acceptance of plants has been arranged to take place in Miami? if so you might communicate with Dacca to deflect your Hoboken number there, am ashamed I neglected to copy your permit #.

Of the plants sent many are exotics of easy culture, two lots of our double Traveller, tho' both desirable, Epid. crescentatum & Braid Pictum, from the wettest of rain forest, the latter is Krampton's Ochromoides, a very lovely plant, I wonder if it has ever been cultivated. The two Marillanias are sent as a problem for your husband, & indeed if you find enjoyment in growing 'botanicals' I can hope to send you many interesting things, there is a very large Stelis, a coarse plebeian awaiting description that shall be sent in the safer climate of March - April.

And if never attends my parcels & any future remittances are contemplated
I should like rather of Comings, blades instead of \$, & see in prospect
glistening eyes ago dusted with precious points of promising Cutleys,
one of the late at the Escola de Agricultura has achieved mastery over
these early stages of fermentation - I have here many competent Capules
singing towards debuccance - sighing for that glistening eye.

Daily we expect, & long for, the return in leave of our
one son, recently on Norway, he has 61 days leave & we have a grand
show of *Cyprisudium*, *Parame Paphiopedium*, & great him.

From my last notes for your greenhouse, in 31 we bought a
house in the hills of Dipton Hill, Dunedin & the first thing to be done
was to install some interior heating & erect a side 17 x 10 greenhouse
to carry off any excess heat (you should hear my wife on this), well it
has been the greatest fun, 1/3 cent 2/3 rotidy, but after the war we
came out here & the two girls we left in charge soon weakened on
housekeeping & rented the house, Kew swooped down & housed our
plants, quite a few varieties were there, including a glorious dark red
Asterocaulis from São Paulo & my one *Greeneria costaricensis* -
I bet they soon killed that, some *Polycyria* would also run rather
in the hair test class, anyhow in Oatman London.

How forgive all this & believe what a privilege it will be to
try to help in your retid collection, & let me know your wishes.
masses of small nations or atomic blast.

With warmest good wishes for you both in 1946.

Yours faithfully

C. H. K. K.

Do you contemplate any Bromeliads?

P. I. 46.

a stamp for you too.

Professor Oakes Ames.
Ormond, Fla.

My dear Ames,

So the post box has gone & the radio told us it was 17° (62° F) above in N.Y. yesterday, in anticipation of 17° to 40° below I wrapped all the plants in newspaper, in view of this extraordinarily high temperature for time of year this may have been poor strategy, however one must avoid the outcome.

Of plants sent, I am hoping Oncidium Pittieri will be of special interest to you, it is a shy delightful variety of the wettest of rain forest & no doubt you will enjoy seeing its seed pods which are scarcely likely to survive fumigation. I fear even should it reach you alive it may prove intolerable & I am sure it has not yet been grown in northern greenhouse, some even pretend that grass, ^{here} will be hauled at the aid amateur, ^{whether} good bad & indifferent, an enthusiasm somewhat like that in Britain of 130 years ago seems to be breaking out all over these United States, this has its good side; but needs the trace of restraint at the tropical end, little likely to be applied in time to prevent outbreaks ravaging of available orchid haunts; indeed all epiphytic life is in for a harrowing period, and so I long to hear how my sending travelled & await the balmy winds of March to comply with your further commands & exhaust remaining funds.

Le meo piacere a los pies de un Senora y para d^h mis mas
carinos saludar. y su
afectuoso

Las Encarnas
Cambridge. C. R.
April 6. 1946.

Prof Oakes Ames,
Cambridge. Mass.

Jumto! Swana Makutwa.

Your dated note arrived here March 22nd
& I will send thanks for your identification of M. cucullata.
Strange this plebeian little mouse should have hidden from me
so long.

I have been hoping for another mailbag, my collector
has brought in herds of Stelis & other small fly which I hoped would
be of great interest to you, it is only too likely they will suffer severely
from the present desiccating weather, coming as they do from the cool
ambient of the Hawaiian rain forest, however. I still yell for Fags.

Your 'Rediscovery of a Lost Orchid' revises a pleasure I
derived in OR, a fascinating review of past thistles, doubtless
satisfying to me as I have known Campes Porto & with Hochstet
strolled along one of his veredas in the Orchid Park, dedicated
to Loefgren, and that 'man from California', famous in anonymity, [10]
who was he, I wonder if you have since remembered his name.

It was impet to see the R. W. Jo here in CR, my boy John
on his way back from 61 days leave, was as lucky as to spend a fortnight
or so with them at New Rochelle, carrying bowls of envy in their camp. his
sister Dorothy is secretary to the Air Force March at Hanover & she hopes
John will land up in her vicinity.

With warmest regards.

Yours ever

Stamant

15332 S. Minicela 23

15342 S. n. n. of

S. Costanera

C. H. LANKESTER

LAS CONCAVAS

CARTAGO, COSTA RICA

July 7, 1946.

Prof Oakes Ames,
Harvard University.

My dear Professor,

I do hope you are at hand to welcome these two
Stelides, of course they are new, no, or well that is bad.

But the # 1534 with the vast chalcid-like bracts
on the stem & the unusual cupped flowers on stamens shorter
than the leaves, is a delightful surprise to me, both as from
habits about 4700!

The other # 1533, has lovely little flowers densely
brimmed inside with strongly contrasting narrow petals & white
column, a lovely little species.

I send them free in hope they may reach you
fresh, both are first times to me.

Herewith greetings & warmest good wishes for a
delightful summer; when do I get another free & fold
kind to enable me to discharge the remainder of my debt?

Can send you herds of little *Pterostelids* as sauce
to forest game.

Yours ever

C. H. Lankester

A grand day here with William Vogt, + Opom. paladin of
bird & other conservation, really a voice crying in present
possible (perhaps) wilderness, he enjoyed seeing our present

Handsome family of *Homomyx dominicus*, lovely seen in this somewhat wet, with *Sickonia* & later as
back drop.
Rudely done

C. H. LANKESTER
LAS CONCAVAS
CARTAGO, COSTA RICA

July 29. 1946.

Harvard Botanical Museum.

D^r Charles Schweinfurth.

Dear D Schweinfurth.

I am hoping you will be so kind as to identify this little *Masdevallia* from Navano which was under #1534 - flowers of red brown & #1536 apparently an epiphytic shrub also from Navano at about 5000', the leaves look like *Streptia* the *Racem. tubular* very red.

It is always a pleasure to find your descriptions of new species in the bulletin which has become more & more & well produced monthly record of the great increase in Orchid appreciation in the U. S. A. In England apparently things are very difficult both for the professionals & the few amateurs left, it was a good thing that so many fine productions were saved by shipping across the Atlantic & it was remarkable that through many precautions were taken no great destruction of plants took place as far as we can gather.

With regards.

Yours faithfully

C. H. Lankester

Masdevallia amara Kraenzl.

Sept. 12, 1946.

Mr. C.H.Lankester,
Las Corcavas, Cartago, Costa Rica.

Dear Mr. Lankester:

Your letter with its enclosures just came to hand on my recent return from my vacation.

The little *Masdevallia* proved to be *M. anura* Kränzl. Thanks for the specimen.

The other specimen with with red tubular flowers I handed to Dr. Lyman Smith of the Gray Herbarium than whom there is no better all-round systematist and from the specimen he was unable to tell definitely beyond saying that it belongs either to the Solanaceae or to the Scrophulariaceae. Can you not send us a good and complete specimen?

Sincerely and hastily,

Charles Schweinfurth

Research Fellow in Botany, Harvard University

Sept. 24, 1946.

Mr. C. H. Lankester,
Las Concavas, Cartago,
Costa Rica.

Dear Mr. Lankester:

At Prof. Ames' suggestion, I am asking if you can send to us fresh flowering material (in alcohol or formalin) of *Fregaa amabilis* Reichb.f.

We are anxious to settle the question as to whether that genus is really distinct from *Sobralia*, so we need to examine fresh material.

With best wishes, I am

Very sincerely yours,

Charles Schweinfurth
Research Fellow in Botany, Harvard University

Las Comeras.

Oct 1. 1946.

Dr Charles Schweinfurth.

Botanical Museum.

Harvard University.

My dear Schweinfurth,

Advised of your wish as of Sept 24th it
may be some long time before I can fulfill it. yet
it shall be borne in mind, this lovely floriferous plant
is associated with old memories of the delightful ambient
it frequents, *Straus* & *Foss*, cool mossy haunts of the
quietest & *Schlotheimia ardens*, cloudy & all too frequently
drenched by persistent heavy rains, this densely stemmed
midnight *Schlotheimia* with nigro-turquoise stems & flat rugose
leaves is brought very vividly to mind by your request, for 3
years from 1900 on I lived within easy reach & often had
to ride through land when it clouded, today it is probably
scarce & disappearing though plenty of its *Termin* yet remains
to bring it on, so it looks old man covered tree stumps, I have
often wondered if it is really of another genus, it differs actually
of course through lacking the *Termin* of *Schlotheimia* & in any
case < very individual species. Intractable to move to lower
altitudes & never successfully shipped home in my experience,
so many of them can't pass the ordinary plants &
might need Wandian cases or a *Schlotheimia* magic junk to get
them safely to those few hands willing to grow such recalcitrant
specimens. Hope on, hope ever, but better yet try *Cinchona*
Plantations, *Parabancan*, *Camino a Sanapizqui*, C.R. Do you
have any friends in that outfit? They are right on the spot.

That's a wet section, in Dec 1903 I measured 112" of rain
in that month & lost some on the day our gauge overflowed
as it only held 13". A really moist spot, & what a paradise
of ferns & indeed of all nature.

With best regards,

Yours very faithfully

C. H. Merriam

Las Comas.

Cartag.

Oct 5, 1966.

Dear Dr Schweinfurt.

Your of Sept 12th with identifications of the little *Mesderallia* from Kroy, is very welcome, I had often wondered, without any terms of reference, if this might not be a synonym of *M. cordata*, a much commoner species, I hoped these little specimens might perhaps find for you.

Of the epiphytic shrub with red (pink) tubular flowers whose leaves look like *Stictis*, I send a tip with flowers, it also looks *Ruticarpa*; but seems to have no stipules, someone here in the garden likes the little globose fruits as they dis appear before ripening; though rather straggling it is worth growing as of the local flora, & I imagine it may be a rather rare plant.

Trepsa may take some time to secure as I probably intimated in a recent reply, yesterday I enjoyed your description of *Delipogon rhomboides*, a fascinating species, there are one or two real *Heandria* here, some look sufficient growing to render them more than merely quaint plants, almost impossible to cultivate, like so many rain forest orchids.

Is the material of the *Panicum* sufficient to show if this is a really wild species, or an introduction somehow to an outlying Hacienda. I don't know the flower.

Yours truly G. G. G.

Callaway.

The wonderful *Stictis* named after me, is now in fine flower here, a remarkable
of.

C. H. LANKESTER
LAS CONCAVAS
CARTAGO, COSTA RICA

Jan. 29. 1948.

Dr Charles Schousboe.

Botanical Museum.

Harvard University.

My dear Sir,

The January number of *A. D. S. B.* with its special intent is of very great interest & value.

I write just after reading your admirable essay, which to my illiterate mind is a masterpiece of orchidology in a nutshell, delightfully expressed & marvellously comprehensive, almost all orchid lore has something reactive to me & your mention of a *Tring* *Butrophylloides* reminds me of a minute species I found on Mount Elgon, which fitted very naturally to reach New Guinea & probably remains for future discovery & description.

That day also was memorable to me as disclosing amazing realms of natural beauty; seeing *Dica Batesii* in flower & a new genus of Iridaceae, subsequently described by *Engelm.*

My thanks & congratulations.

Yours faithfully

C. H. Lankester

Feb. 3, 1948.

Mr. C. H. Lankester,
Las Concavas, Cartago, Costa Rica.

Dear Mr. Lankester:

Your letter of January 29th has just arrived. Thank you very much for commending my little introductory article about orchids for the *Orchid Bulletin*. It is always rather difficult to reduce a large subject to its lowest terms and make it intelligible to the vast number of "lay" readers. And to receive words of praise from an experienced orchidologist like you is indeed satisfying.

The African trip which you mention must have been very interesting, but to find oneself in an entirely strange flora must be a bit disconcerting, to say the least.

The little pleurothalloid orchid which you naturally took for that amazingly diverse genus *Pleurothallis*, belongs to Schlechter's new genus *Acostaea* nearly related to *Pleurothallis* but with a complex floral structure. It appears to be referable to *A. pleurothalloides*, of which we lacked a specimen in our herbarium. We have several collections of *A. costaricensis*, the type species.

It was also a welcome addition to have an additional flower of *Epidendrum pseudepidendrum* of which we have several Skutch collections.

Again thanking you for your appreciation, and wishing you a prosperous New Year, I am

Cordially yours,

Charles Schweinfurth
Research Fellow in Botany, Harvard University.

C. H. LANKESTER

Las Comeras.

Cartago.

2. VII. 48.

Dr Charles Schweinfurth.

Botanical Museum.

Harvard.

Dear Dr Schweinfurth,

May I trouble you once again to name
these little plants, the details may be hard to place.
I shall try to get you some fresh plants alive to you
by air mail as many of these little ferns are in flower
at this season.

With best regards

Yours sincerely,

C. H. Lankester.

Sept. 13, 1948.

Mr. C. H. Lankester,
Las Concavas, Cartago,
Costa Rica.

Dear Mr. Lankester:

Your letter with the three little plants enclosed arrived just as I was leaving for a little vacation trip to Mexico. Consequently I have just been able to give them my attention on my recent return.

No. 1551 - *Stelis Storkii* Ames

" 1552 - *Masdevallia anura* Kränzl.

" 1553 - *Pleurothallis stenostachya* Rehb.f. var.

Lankesteri (Rolfe) Ames

Hastily and sincerely,

Charles Schweinfurth,
Research Fellow in Botany, Harvard University

C. H. LANKESTER

Las Comarcas

Veracruz. C.R.

Oct 6. 1958.

Dear Dr Schweinfurth

It is most kind of you to have named for me the three little plants & I am very glad to see you have been down in the field, in that wonderful Mexico, which I am sure was a rich & rewarding excursion for you. We may have the good fortune to see some account of that from you in the Bulletin.

Mastodalla annua is a somewhat recent addition to my not too full knowledge of our local species, a cute little plant, & this is also comforting to me as I always had a suspicion, without having any reference to description, that this name might be a synonym for echinata.

And of course I still don't see why Ames made Rolfe's Lembotenii a ~~species~~ variety only of stenostachya of course they look more different alive, & Allen Rolfe only made new species from living material in his latter years.

Stelis Storkii brings to mind a delightful human contact & I saw in Goodspeed's book that Harry Stork has been active down on the Southern Crossroads, the Pan American Highway has opened ground to easy observation, that Stork & others back to Schweinfurth had to take the real hard way.

Palmdale - warm thanks. C. H. Lankester.

I hope to send in a few days a picture of a large unflowered plant of Mich. sp. in in case you didn't think it might be of sufficient interest for Am. Bot. Bull.

April 11, 1950.

Mr. C. H. Lankester: -

Los Cocovers, Cartago, Costa Rica.

Dear Mr. Lankester: -

Yesterday I received your recent letter with dried specimens sent to Prof. Armer who has been ill and requested me to check the identity.

I am unable to find, either among the Central American *Mastocallis* or those from elsewhere, any close match. You know that a definite idea needs a complete specimen.

It appears to be allied to the South American group centering about *M. polysticta* Reichb.f., but with out ^{the} prominent ^{spines} hairs. *M. ornatiflora* Krieger, from Colombia, seems to be an ally, but has fewer flowers (2-4) and a lip with a median keel.

Accordingly, if you will send me a complete specimen, from the roots up to the uppermost flower, I shall be glad to work further and, if advisable, to describe it as new.

I remember with pleasure my brief visit to your garden about ten years ago in your absence, when your son gave me a *Lycaste macrophylla* bulb, which later bloomed in our greenhouse here.

With best wishes, I am

Sincerely yours,

C. S.

C. H. LANKESTER

LAS CÓNCAVAS
CARTAGO

COSTA RICA, C. A.

May 10. 1950.

Charles Schweinfurth Esq
Harvard Botanical Museum.

My dear Sir,

I send you herewith plant material of the
Mesdevilla to complete the specimens you have already.
I feel sure it will prove new to Costa Rica & therefore almost
certainly it is a first record.

Also enclosed is an *Stexirea* of which I am not
certain to have sent specimens in past years. The flower
is long lasting & very pale greenish, the early growth produces
buds of much greater length than sample enclosed, common in
upland localities like San Carpintero behind Tres Rios
#1562. possibly only on the upper Pacific slope.

I am sorry to learn of Prof Ames illness & if you are
so good as to reply, would you kindly give me my details &
let me know if it would be suitable for me to write him a
note of salutation, it was a shock to find him uninterested
in an apparently new orchid.

With best regards to yourself.

Faithfully,

C. H. Lankester

C. H. LANKESTER

LAS CÓNCAVAS
CARTAGO
COSTA RICA. C. A.

13.V.50

Charles Schwinmuth Esq
Cambridge. Mass.

Dear Mr Schwinmuth,

I send you these Kodachromes taken by my son
John which have just arrived & will I hope help you in
diagnosis of the Mesderalla, one is for your records if you
can't retain it & though not well focussed it gives you the
Colomb range as I found it at its habitat, & you can just
make out the ~~main~~ surface indication of the various pedicel
though the carion recede base of the lower sepals is not clearly
shown; that region opened up by the Pan American Highway
gives access to an unexplored field of C.R. & will offer a
rich haul of new species, though it is being destroyed so
rapidly that many may disappear before discovery.

Oh that some wizard could create an orbitid heaven
& garner in a poster not only orbitids (not) epiphytic in
formal, all these countries should be encouraged & helped
& do this, they are incapable of it by their own volition.

Yours.

Ch. Lankester.

June 2, 1950.

Mr. C. H. Lankester,
Las Concavas, Cartago, Costa Rica.

Dear Mr. Lankester:

In answer to your letter just received, I shall have to report that the enclosed plants were badly broken. Of the *Masdevallia*, but one complete leaf could be pieced together from two fragments, together with many worthless fragments. Before describing this plant as a new species (which it surely seems to be), I wonder if you can not send to me a complete plant protected by cardboard. At present I can not tell the variation of the leaves, the exact height of the flowering scape etc. You see I am unable to sympathize with Reichenbach and Kränzlin in describing a new concept from a single flower or in anywise inadequate material. I need a complete specimen.

Of the other specimen included, there was a complete plant but only a single, very fragmentary, flower. From these evidences, I judge that it represents *Scaphyglottis pulchella* (Schltr.) L.O. Wms., originally described as *Ramonia pulchella* by Schlechter. The ordinary run of specimens of this concept are very much larger.

I deeply regret to say that Prof. Ames passed away on April 28th a victim of a long-time heart ailment. Mrs. Ames is now in Italy at the villa of her brother on Lake Como, but will be back the last part of July.

I expect to attend the International Botanical Congress at Stockholm in July, and I plan to return the last of August.

Assuring you of my interest in anything orchidaceous, I am

Sincerely yours,

June 15, 1950.

C. H. Lankester Esq.,

Las Concavas, Cartago, Costa Rica, C.A.

Dear Mr. Lankester:

Replying to your letter of May 13th, let me thank you for sending me the kodachromes of the remarkable *Masdevallia*. Herewith I return two of them, as requested, and shall take the liberty of retaining one of the others to be returned until I have the opportunity of describing this species later. I had hoped, as I wrote, that I was to have a complete plant protected by cardboard, since I am loath to describe any species without a complete plant from the root up. Would not this still be possible?

I quite agree with you about the advisability of creating an "orchid haven" in your rich country. Why cannot you who are right on the ground stimulate such a project?

Sincerely yours,

Charles Schweinfurth,

Research Fellow in Botany, Harvard University

C. H. LANKESTER

LAS CÓNCAVAS

CARTAGO

COSTA RICA

March 24. 1957.

Dear Mr Schweinfort,

I have often thought of your telling me of the mistake made in sending some other leaf instead of the right *Pelescia*, well here is a genuine one, small & depauperate from cultivation at this elevation in addition to its very great shrinkage, it is little likely that I shall ever collect another one in a state of nature.

From the same locality at Peralta comes this *Anthurium*, only 2 plants of which were found, neither in flower nor have they flowered here in cultivation, the difference in elevation may be too great, it is an epiphyte & would seem to be a very rare species at that locality & one of which has fruited, the lobes are flat in the same plane as the rest of leaf, I have never seen one in cultivation here, this genus & allied sorts of ornamental aroids are now greatly in favour here & the woods are being denuded by plant thieves for sale on the streets of San José, also the bird content is vanishing.

Yours,

C. H. Lankester.

1576 *Anthurium* sp.

Peralta. 52 Miles. 1000'.
in Cult. Concas

Bot. Museum, Oxford St.,
Cambridge, Mass.
April 5, 1951.

Dear Mr. Lankester:-

In reply to your letter
of March 24, I thank you for sending
the orchid leaf (which arrived in im-
perfect condition) and seems unques-
tionably to be referable to the wide-
spread *Prescottia stachyodes*.

The *Anthurium* leaf, which I tried
to compare with specimens at the
Gray Herbarium, appears to be near
to *A. subsagittatum* Kunth as
Scott from Venezuela.

You will be interested to know
that the bulb of *Lycaste macrophylla*,
given me by your son when I visited
your home during your absence about
1937, has flowered several times in
the Harvard Greenhouse -
With best wishes,
Yours sincerely,
C.S.

C. H. LANKESTER
LAS CÓNCAVAS
CARTAGO, COSTA RICA

Your delightful article in a recent number was of the
greatest interest & superbly illustrated. You have a grand
floor in the U. S. G.

28 $\frac{2}{52}$ Señor Charles Schweinfurt & Sons
Harvard Bot Museum

Dear Dr Schweinfurt.

In the magnificent 20th Anniversary No of Ann Bot Soc Brit
I found to my joy one of your always eagerly read descriptions of a
brevety, it is indeed an interesting species, but to me seems very different to
the form of immense as we know it here. Some few years ago a young
couple who had visited us here, name of Rich, shortly afterwards sent
us a parcel of small seeds collected on Enagelatum & Chinalmago,
unfortunately they were held up during some fiestas here for 4 days & being
packed in soaking moss nearly all perished, we saved 3 of none of which has
yet flowered, one is a Pectropia & I am hoping to see it attain sufficient vigour
to bloom, another is a small bulbous species that may be a Polygala.

Did I ask you for the return of some Kodachromes of a *Mesdevallia*?
I have never got back to get you the leaves of that polysticta form or am
little likely ever to do so, though it is just possible I may; but of course
it is very probable the site is destroyed by the clearance business, as that
whole region of the Pan Am Highway is being laid waste.

What a fascinating display of variation in hybrid is that of the (Cypris)
Stem-on Adams to demonstrating so graphically why some var are worth
more than others, as Arthur Keck used to say 'weddings & weddings'.
It would be a nice point of criticism to allocate the 1st three in order of merit
which would be your choice. In R.W.'s account of the Chiapas expedition, I
was present & didn't see his plants or doubt if he had anything unreplaceable. The *Atrachia* he refers
to was the lovely & well-known *A. Xantholeuca*, one of the loveliest of all orchids
& I was surprised to find Len Williams did not include it in his Orchid Flora of
Mexico, it is a variable species, the best forms are of clean daffodil yellow & are much
grown in the gardens of San Cristobal together with *Laelia repens*, & many of the fine
local *Epiphyllums*, with many superbly from *Begonias* & royal *Pelargonium* they
form complexes of some of the finest tropical gardens I ever saw,
With best regards,
Ernest G. C. C. C.

Mar. 4, 1952,

C. H. Lankester Esq.

Las Concepcion,
Cartago, Costa Rica.

Dear Mr. Lankester:

Thank you for your letter of Feb. 28th just received.

On looking up the question of the unknown *Machaeranthera* which you sent, I note that I ~~sent back~~ ^{returned} one of the Kodachromes which you loaned and retained for future needs of describing one (showing the whole plant) which you marked to return.

I note that this slide shows a tufted plant, whereas the separate fragments which you sent included a distinct rhizome. How about this matter? I need to know

The habit for describing -

Yours hastily and sincerely,

C. S.

C. H. LANKESTER
APARTADO 4 - TELEFONO 281
CARTAGO, COSTA RICA

July 18, 1958.

Dear Dr. Schewinfurt.

I was delighted to see your picture - read the tribute to you in the June Owl for Bull, & I have always regretted my absence at the time of your visit to Las Americas, now also no longer mine, age & incapacity forced me to realize that 44 year back property, however I am still trying to rebuild the collection just across the road, though a sad set back happened about 3 months ago to my group of small CR species, practically all were killed by a severe overdose of strong pesticides.

Yesterday to my very great surprise, what I take to be a new *Stenotaphrum* was brought to me, & I send you the available flower to be followed by others, as & when. Having 2 plants I hope to be able to complete, if you think in this evidence it will be worth while. I have never seen anything like it & await your report, if you will be so kind, with the greatest interest.

I wonder how many plants exist in America of *Conarium schewinfurtii*? there is one on my plan at Rio Oyando, which was doing well until ruined by Atta from my neighbor who neglects to keep these vicious pests down, it is so difficult to secure co-operation here to eliminate such pests. This immense tree of Oyando is a magnificent forest giant of which I took a good photo when there. & a few seeds sent later to me only a few. So it would be a tragic loss if we don't save it. I shall look forward to the publication of your *Oribolus* of Peru & hope to make it.

With best regards

Truly

Ch. Lankester.

I had a grand nephew out from Cambridge this last year. (Dorothy Wells) but could not include in our time with records. maintain climbing & covering are more in his time.

C. H. LANKESTER
APARTADO 4 - TELEFONO 281
CARTAGO, COSTA RICA

July 8, 1958.

Dr Charles Schwepfardt.

Box Museum

Harvard.

Dear Dr Schwepfardt.

I thank you for your kind letter & look forward keenly to the receipt of your first lot of the Cecidids of Peru, & appreciate very highly your thought for me.

Do you know this little *Pleurothallis*?

It much resembles at first sight *Platanthera*, but is different & from a very different ecology on the Pacific slope. Brought to me by one of the orchid vendors on the street market. Abel Delgado as from near Esparta, Pacific.

With best regards

Yrs

Ch. Lankester

That *Tantropia* must have been the result of starved conditions, sorry about that.

Pl. minutus
a. 475

C. H. LANKESTER
APART. 4 - TELEF. 281
CARTAGO - COSTA RICA

May 20, 1960.

Leslie A. Sargent

Dear Sir,

This was a very attractive little species of orchid I

flowered at my plant collection against La Concepcion, where I lived

for many years & grew up in 1957.

There is no record unfortunately of the locality, which I believe

was Boquete (not the Chiriqui one) on the Pan Am highway at about 7500 -

Hors', & I will appreciate very highly your goodness in sending me its name.

It is a plant of largely calcareous forest & worthy of a place in any

'botanical' collection. I shall hope to obtain a photo of which if

successful you shall have a copy. No collection occurs to me of

occurring before, it recalls somewhat Odontoblanche.

I have been saddened to hear a summary of the illness of

Dr. Dillon he must have been overburdened with work for the

Orchid Congress was imminent. If I recall had the privilege of

meeting him, he was kind enough to write to me several times.

It is sad to you find in the hope it may retain a trace

for you to see.

Yours faithfully,

C. H. Lankester

I wonder if you or some friend would care to bring some seed of
Androsace xantholeuca, it is from a very fine type collected at Monte Bello.

May 20
From Mr. Lankester!
As the abundance of Mr. J. Sargent's notes in the field notes, I am glad to
have a summary of some of them. I published what I could of them in
after a very long time on the little orchid of Boquete, Costa Rica.
I recalled to O. Stoll's collection. I shall not mind if you look for it in
I do not say that Mr. Dillon is well and in fact in San Jose and Boquete
Thank you for the information which I received. I am sure it will be of some
use to me who cannot visit there.

C. H. LANKESTER
APART. 4 - TELEF. 281
CARTAGO - COSTA RICA

31. X. 66.

Dr Charles Schweinfurth,
Botanical Museum.

Stanford, Mass.

Dear Dr Schweinfurth,

It gave me a great thrill to have from you by
your of the 25th, it was very good of you to write in
the Saraya's absence, I feel he has had a good time at home
(to me) - it was a great disappointment to me not to take a job
over for the conference, but the 80th anniversary at Kew last year was
a delightful event & the summer was simply marvellous, George
Faylor has done a great job in Kew, of course securing national
prosperity helped & the Lakona both very nearly snuffed Kew out.

Well now I don't think that little *Odont* ally is new & the
lack of a crest evidence, that it is not quite in that genus. I
have just secured permission from the biggest store here to exhibit
occasional rare plants as I had often hoped to do, & I find the plant
on show here. I labelled it *Composita contracta*, a plant Remy
Schlecter dedicated to donor Composita Zelenon. I was through Fendley
& Newkirk sent him so much useful material. I do not recollect
having seen it before, nor am quite certain of its place of origin.

Very glad to hear Dr Dillon is recovered & was at the Conference
I hope he saw my plant of *Cryptocentrum Standleyi* at Kew, it's a
marvellous little orchid.

With regards & salutes,

Yours sincerely

C. H. Lankester.

Dear Mr. Sanketoe: With regard to your little orchid recently sent, I have just discovered its identity and I must hasten to give you the names.

I know that it was well referable to the concept *Aspasium* with which I had already compared it: we have the upper drawing of the letter as well as actual material having a very dissimilar pseudobulb and slender columns.

Wonder of wonders, it proved to be my species, *Aspasium perula* described in Bot. Mus. Leop. 10 (1941) 21, from Danang Province, Chapiang District, Sonno-Cuasi Trail, 2000 ft altitude, March 11, 1940, M. E. & R. C. Tracy 1522.

I must say that the lips of the flower I examined were not quite typical, but there was no excuse for my recognizing the flower as *Aspasium* even if it received attention almost twenty years ago.

Yours sincerely,
Hetsen H. J.

C 15.

BOTANISCH MUSEUM EN HERBARIUM VAN DE RIJKSUNIVERSITEIT TE UTRECHT
BOTANICAL MUSEUM AND HERBARIUM OF THE STATE UNIVERSITY OF UTRECHT, NETHERLANDS

DIRECTEUR : PROF. DR. J. LANJOUW
CONSERVATOR : DR. F. P. JONKER

UTRECHT, February 5th 1962
LANGE NIEUWSTRAAT 106

Dr. Leslie Garay
Curator of the Orchid Herbarium
of Oakes Ames,
Harvard University
Oxford St.
CAMBRIDGE, Mass. U.S.A.

Dear Dr. Garay,

Many thanks for your letter of December 4th. 1961. It has taken some time to reply to it because I had to consider several things. I am most thankful to you for taking the trouble to find a program for this student of mine. His name is C. Verhoef.

I think that your proposal to start with the Gongoreae is certainly acceptable and therefore I should like to ask you if you could return the material of the Gongoreae.

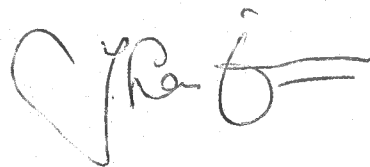
As for the rest, I am not quite sure what can come of it. It is certainly an excellent idea to send Mr. Verhoef over to you for 6 months in order to have the opportunity of studying the Orchidaceae in such a splendid institute. Actually, however, we do not feel quite sure that such a plan can be realized. There are two main problems. 1. The costs of going to Harvard for 6 months are of course very high and I don't know if we shall be able to raise the necessary funds. Even the mere journey is expensive. 2. Mr. Verhoef is married - he married quite young - and has at present one child, while a second child is expected early this summer. Actually he has a half-time job as a teacher. Nevertheless we will see what can be realized.

As to the other point you raise, assuming that Mr. Verhoef may cooperate with you in writing the Orchidaceae for the Flora of Surinam, I think, that for the near future this will be too difficult a task for him. We may hope that he will become a good specialist, but I am sure that this will take some time yet. I feel that first he must show what progress he makes in working on the Gongoreae. Should after that the occasion present itself to work at your place for 6 months, you will be able to judge for yourself if it will be possible that he assists you with the work for the Flora of Surinam. But I feel that for the present you better reckon with the fact that you will have to do it mostly yourself. I hope that you will find time to proceed with this work on our Flora. The additional material will be sent to you. It may take, however, some weeks, before it is ready for distribution.

Separately I will have sent a sample copy of a part of our Flora to you, to give you an idea in what way it is done.

I thank you once more for your kind assistance.

With best regards,
Yours sincerely,



(Prof. Dr. J. Lanjouw).

2. Lachner Sandoval

mil gracias por su fineza
al enviarme el n.º 7 de los Sche-
dulas orchidíneas.

Cartago

I must add that a nice specimen of
the same *Otelis* of Estrella #1010

found with letters from Oct 1925

was abundant on the ridge visited
& I brought a few large plants back,
& 1 *C. crescentilabris* which is
common in Havana.

I must add that a fine specimen of
the dome Stevia of Estrella #1010
came to hand on Sunday last.

Cacti come in its upper levels
a similar district to Estrella,

actually connected by forest through
the broken country. Estrella has

more of the Pacific influence &
probably a more pronounced dry
season & possibly each has a

quite different series of Mesquittia,

this possibly abundant may be at

Cacti at higher levels than I ever

reached. Pleuroballis grandis

was abundant on the ridge visited

& I brought a few large plants there.

& 1 P. cuneatifolia which is

common in Havana.

Monday found me at the water head
of Cretin. Within two or three miles
thence to the eastward, with a few

exceptions, no more plants than

Chysia arica, *Celtis macrocarpa*,

Carpinus, *Alnus*, *Silva*, *Juniperus*,

& *Cycnus*. One to be found, with

different *Platanus* & *Malva*.

I have never yet seen any of our
native *Phrynosoma*, but that

is

A fair little lot of stuff coming
along for you. I was much want-
to know how the last lot fared
out.

W. C.

Lockhartia Lankesteri. Ames. San Carlos.

In cultivation Caracas. Bloomed Feb. 10, 1924.
All segments dark yellow. $2 \times 2 \frac{1}{2}$ mm. $2 \frac{1}{2}$ mm.
Crest of lip ferruginous, this part with on
anterior edge, a narrow basal ferruginous
oblique angled, bar at foot of column.

561. Lockhartia Lankesteri. Ames. San Carlos. Ch

Another cap opening off in examination of the
flower; but it is in the place.



HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A

Cartago, Costa Rica, de 192

74065 Imp. Alsina

2500
K14570
Eg. mooreanum. ^{Raf.} Lip apiculate, front lobe veined rose purple, sepal & petals
minuscule, greenish & honey yellow. #1

5000
7000
Eg. melissimum. ^{Schli.} front lobe not apiculate, veins suffused so that lines
are not apparent. side lobes intensely colored, margined whitish.
found between 3 Jul 1927 & 17 Jul 1927

purple #2

of the
perfect
melissimum
- known by
specimens

Strenuous
latter
credit
but it
can't
may
Drems

able.

} often found

} no

} no

HACIENDA LAS CÓNCAVAS

DULCE NOMBRE

A

Cartago, Costa Rica, de 192

74065 Imp. Alsina

- Encyclia*. *Raf.*
 2500' Ep. huorcanum. Lip apiculate, front lobe veined rose purple, sepals & petals
 5450' minute, greenish to honey yellow. #1
- 5000' Ep. meliosmum. Schli. front lobe not apiculate, veins suffused so that lines
 7000' are not apparent, side lobes intensely colored, margined whitish.
 sepals & petals green, irregularly splashed longitudinally with purple #2

Herewith wet specimens of these two *Encyclia*, I took a spray of the latter down to CRP a fortnight ago & it arrived in Beltra in perfect condition. I may be wrong in ascribing #2 to Schlecter's *E. meliosma* but it seems to fit, & I believe this species has been sent to you by CRP as *huorcanum*, I hope the above notes & these specimens may help you.

Pseudobutis, leaves & stachies appear indistinguishable.

- Dryas*. Is *Encyclia atajense* (Arms) really different from
 " *ramonense* (Reichl)
 Odonit *Powellii* " "
 " *pubiperianum* " "
Pleurothallis Powellii (Reichl) " "
 " *grandis* (Raf.) " "

Eriopsis Mercklei looks remarkably little)

" reticulata

I have just spent a fortnight with old man Powell with my wife & he left no stone unturned to make us comfortable & entertain us. I regretted that Zetck was not on the zone, I should have so enjoyed a walk as Barro Colorado, the weather was unpropitious & no excursion in the woods was realized.

(In regard to the oil-painting, this is the work of Emilia Span an elderly artist who has recently made with Brades' help a really fine collection of "botanical" orchids & he is perpetrating them in paint. Some of his work is really fine, if I had the means I would fill my home with his pictures.)

TRADING COMPANY HEGT & CO.

Undated, filed between 20 Oct 1930 & 22 Oct 1930

TELEGRAMS:
"NOORDHOEK" RANGOON.

CODES USED:
A B C 5TH & 6TH EDITIONS.
LIEBER'S 5 LETTER.
BENTLEY'S PHRASE CODE.
RUDOLF MOSSE CODE.
UNIVERSAL TRADE CODE

DATE

simil plant sent
was immediately
to you referred
fairly amazingly
perhaps meant
by me seen in much
and at about 15'
ch like those of
but, narrower & of
longer. the
on a narrower tube,
over into one of
I will have to
optimum tomorrow.
i want that I supposed
of short nearly black
entirely different
withered flowers
I already to Germany.

As *ecornuta* was described as from Guatemala, our
atlantic of may also be distinct.



#127

Supplemental ...

...

(Materials used, will follow)

...

...



Plant 128

Asplenium platyneuron

var. *laetevirens* (L.) Presl

Canal Zone, 1950. (No. 128)

(Material wet - dry, with pollen)

TRADING COMPANY LATE HEGT & CO.

HEAD OFFICE:
20, NICOLAISTRAAT,
THE HAGUE (HOLLAND).

TELEGRAMS:
"PANBOOM" THE HAGUE.

OUR REF

POST BOX NO. 200.

529/31, MERCHANT STREET,
RANGOON.

YOUR REF

TELEGRAMS:
"NOORDHOEK" RANGOON.

CODES USED:
A B C 5TH & 6TH EDITIONS.
LIEBER'S 5 LETTER.
BENTLEY'S PHRASE CODE.
RUDOLF MOSSE CODE.
UNIVERSAL TRADE CODE

DATE

Today by happy coincidence, my Guatemalan plant sent
to me as Sotroelia macrantha is in flower simultaneously
with the Sotroelia from Pango Ague, that you referred
Colours of the flowers are very different.
tentatively to that species. It is certainly amazingly
alike & yet there are differences that perhaps merit
specific distinction. My plant (only one seen in trunk
traversing) was epiphytic on Anacardium at about 15'
from the ground, the leaves are much like those of
the (macrantha?) but more deeply sulcate, narrower & of
much harsher texture, almost equalling Zamia. The
lip is much more broadly displayed from a narrower tube,
& I have this moment stuffed the flower into one of
your little bottles, alas the last it will have to
accommodate what I call the Cryptophranthus tomorrow.

The Platanopsea from the Pacific coast that I supposed
to be ecornuta is a new species with short nearly black
trunks & a most interesting column entirely different
from ^{that of} ecornuta. I have some rather withered flowers
for you, but I believe it has been sent already to Germany.
As ecornuta was described as from Guatemala, our
atlantic of may also be distinct.

Of course localities, especially those dating from the crazy days of orchid importation, were often definitely misleading & economic may not have come from that country at all, or it may be a very common plant there. Here we live & work in the dark, & wait for you to shed light on us. Here's to # 11.

I have a fantastically Pleurothallis from Zoro in Jurvetta that has had fully formed buds for 2 months & now they look like dying off. I suppose some quality of hygroscopy is amiss, it is quite new to me, very floriferous. I'll go out & get it to make you a rough sketch.



1, 2, 3 to 4 buds in the pseudobulb.

plant tufted caespitose.

Ototomaria?

found with letters from 1927 and 1930

In the recent sowing of *Sambucus*

the following plants are noted: -

No

907 - no ~~plant~~ ~~seen~~

912 - no flowers

917 - good plant ~~seen~~

920 - " " "

922 plant " *Trichopilia punctata*"

923 " " *Odont. Gramin. alba*

924 " " "

The Orchidum which Lankester sent
was *O. bracteosum* Rchb. + it was
a large specimen of the same.

The Anther is a *Feldingeri* Loss. ex
Moser.

The *Pleurothallis* sent in a letter of July
18, 1924, appears to be *P. conopsea*.
Reb. J. Only a specimen (of three flowers)
was sent).

Identification of the last Lankester
collections - by number. (being mounted)

911. *Spiranthes elata* (Sw.) L. C. Richs.
 904. *Malaxis* sp. (aff. *M. Mayonii* Ames)
 909. *Epidendrum lockhartii* de Schltz.
 906. *Cryptantha elvata* R. Br.
 916. *Ponera striata* Lindl.
 905. *Lockhartia leucodonta* Rehb. ex K.
 912. *Pleurothallis* sp. (aff. *P. Tondusii* Schltr.)
 913. *Sabalea leucodonta* Rehb. f.
 869. *Pleurothallis melicoides* Schltr. ex de
 865. " " *nana* A. & S. sp. nov.
 838. *Epidendrum adnatum* " "
 843. " *dentiferum* " "
 866. *Cryptocentrum gracillimum* " "
 839. *Lepanthes sublimidata* " "
 918. *Dichaea verrucosa* " "
 914. *Pleurothallis segregatifolia* " "
 915. " " *rectipetala* " "
 908. *Maxillaria confusa* " "
 850. *Pleurothallis* sp. " "
 919. " *canina* Ames
 910. " *Pantasmii* Rehb. f. ex de.

Recht Bot 7 52 -

Ep. plectanum ?
Ep. ciliare

Epiphenaxium Aestivum

A plant found on this farm & now growing well
& almost certainly this of "inter Ep. plectanum Lindl
& Ciliare L. & *trijana* vegetation", I hope it will
flower next year - it is very probably a natural hybrid
between these two species, both of which still occur
here though now scarcely.

Ch.

Plants listed. (each one from a different place)

- ✓1074 *Stachys*
- ✓1075 *Hemiteles* Benth.
- ✓1076 *Melastoma* Schumacher
- ✓1077 *Cyanus*
- ✓1078 *Wassermannia* *laevigata* Steud.
- ✓570 *Mandarinia* *indica* (L.) Kuntz.
- ✓1069 *Stela* *aff. lanceolata*
- ✓1056 *Gnaphalium* ?
- ✓1094 *Orchidaceae* ~~*Stachys*~~ ? *paniculata*
- ✓1043 "*Cyatophragma*"
- ✓1055 *Cyatophragma*
- ✓1095 *Melastoma*
- ✓1102 *Sida*
- ✓935 *Asplenium*
- ✓837 *Epilobium*
- ✓943 *Melastoma*
- ✓841 *Pleurothallis*
- 917 *Pleurothallis* ?
- ✓920 " "
- ✓922 "*Tillandsia punctata*"

✓1073 *Kepenseia* no fl or fruit
everything lacking.

Lankaster Orchids - Jan - Feb 1945

- ✓1047 *Maxillaria pachychaeta* Schltr.
✓1096 *Habenaria alata* Hook.
✓1049 *Epidendrum pubescens* (Lindl) R. & S.
✓1099 *Xylopleura* sp. nov.
✓1098 *Pleurothallis longipes* Lindl. ex Chase.
✓1103 *Pleurothallis* sp. Schltr.
✓1064 *Dichaea papilionacea* Lindl. - no file.
✓1048 *Pongosa* sp. (Ldl) R. & S.
✓1087 *Epidendrum* *leucostictum* Chase
✓1105 *Oncidium* sp. Schltr.
✓1104 *Pleurothallis* sp. Ruiz + Pav.
✓1097 *Habenaria* *callosa* R. & S. *callosa* Schltr.
✓1108 *Oncidium* sp. R. & S.
✓1107 *Pleurothallis* *decipiens* A. & S.
✓1106 *Pleurothallis longissima* Ldl (non-conv.)
✓1109 *Sobralia* sp. *foetida* Schltr.
✓1100 *Epidendrum* *ochraceum* Lindl.
✓1111 *Pleurothallis glomerata* Ames.
Paracypripedium *h. B. & S.*
✓1110 *Oncidium* *lyallii* R. & S.
✓1112 *Epidendrum* *frankii* Poir. ex Schltr.
✓1091 *Systeloglossum* sp. nov.
✓10173 *Oncidium* *glossum* sp. nov.
✓1114 *Stenorrhynchus Standleyi* Ames.
✓1113 *Cattleya Deckeri* Kl.
✓1115 *Epidendrum spondioides* R. & S.
✓1093 *Polystichum macranthum* (Walt) Moore.
✓089 *Epidendrum ramuliferum* A. & S.

found with letters from 1934-1936

Shaded areas
Purplish purple.

a very lovely
species -

leaves with
stems up to

25 cm
long.

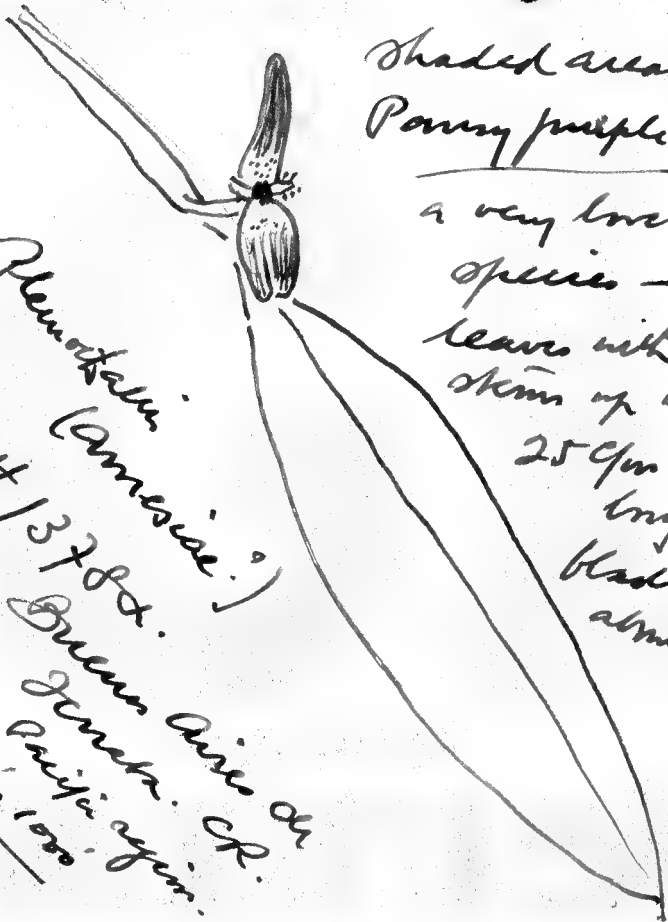
blade
about 15 cm

Pleurostachys
(*Amesiae?*)

1378.

Green Airs on
Jeneta. CR.

A. M. Pacific region.
6000-10000



15

FRIDAY

JUNE

Limón



8

At the found with letters from 1934-1936

distinct

the Cypr

descent

that I

half w

Cypr

of.

mi
-
up)
open
center

RAPID

MICO



8

At the highest point of our hike, the trail was very
distinct to cut. Many trees had been blown down in
the cyclone of last Jan (1918) & in between was the
densest undergrowth of *Cymbopogon* & *Geonoma* (dwarf)
that I have ever struck, we got a few plants of *Coeliopsis*
half way up, but again was an attraction of a
Cyperaceae, much handsomer than the common Atlantic
of.

RAPIDO

SEGURO

Y

ECONOMICO

Found between 7/18/58 & 9/8/58

#1710. Stanhopea.

It extremely small for genus, stems of leaves
also short, blade as usual. flower raceme
with very long rachis. white. Whole flower

hyaline white, transparent wings of broad column
purple, two large shining circular spots at base of hypochis, deep blood maroon.
similar smaller maroon spots at base of petals are being half hidden by column.
ovarian tract. orange - sepals seem as though scantily dusted. Epichil &

horns snow white, mesochil streaked centrally & dustily flushed rosy.

Dorsal sepal length 4^c narrower at base 8^{mm}. Ventral sepals 2^c at base, column
& lip also 4^c long, column at greatest width 1^c epichil 15^{mm}.

Brought by Abel Delgado.
said to be from Sarapiquí, near
San Illiguel, a region I know well 58
years ago. July 17, 1958.

P. Cacklensis: ~~fl~~ fl Mustard yellow Pl XVI, but with a premier trise.

base of lip deep maroon.

Form. M8

C. N. PIRIE

JEROME B. CLARK

AGENCIAS:

SASSO & PIRIE SUCESORES

BANQUEROS

DIRECCIÓN TELEGRÁFICA:

"SASSOPIRIE"

found between letters from late-1960 and mid-1962



Costa Rica

Merry Christmas
Happy New Year

from C. & J. LinnKester.
Las Concaras. C. R.