



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

Tela, Honduras
April 9, 1963

Dr. George H. M. Lawrence, Director
Hunt Botanical Library
Carnegie Institute of Technology
Pittsburgh 13, Pa.

Dear George:

Sorry to hear about the difficulties with the drawings which were returned to St. Louis. The Danns are my in-laws there, and retired, and occasionally go off on short trips to various parts of the country. They happened by ill luck to be in Florida for a week or two at the time when the parcel of drawings was sent. They should be in St. Louis for the next month or so, so far as I know, and I would suggest that you try again.

I have just returned from a second round of major surgery in New Orleans myself, and am beginning to think about the disposition of things such as books, photos, drawings etc. and may contact you for suggestions one of these days.

With most sincere regards,

Paul H. Allen

The Rachel McMasters Miller Hunt Botanical Library

Carnegie Institute of Technology Pittsburgh 13 Pennsylvania

GEORGE H. M. LAWRENCE, *director*

Dictated 27 March 1963
25 March 1963

Mr. Paul H. Allen
United Fruit Com pany
Tela, Honduras

Dear Paul,

As advised to you by my last letter we sent the drawings of Dorothy's not selected for our collection on March 4 to Mrs. Mary Dann, 3525 Belaire Place, St. Louis, Missouri.

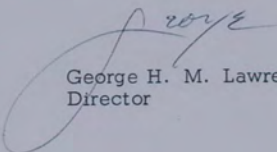
The Post Office advises us that they sent a notice to the addressee on March 7 and March 13 that the package was at the post office. It was unclaimed, so stamped, and returned to us on 20 March.

Is it possible that Mrs. Dann may have been out of the city during this period and hence would not accept a registered mail package? Or, on the contrary, is it possible that the above address is incorrect?

Your advice on this and how we should proceed from here is invited. I am quite willing to send the parcel again by registered mail if reasonably sure that the address is right and the recipient will be there to receive it.

With kindest regards,

Most sincerely,



George H. M. Lawrence
Director

GHML:fkh

The Rachel McMasters Miller Hunt Botanical Library

Carnegie Institute of Technology Pittsburgh 13 Pennsylvania

GEORGE H. M. LAWRENCE, *director*

4 March 1963

Mr. Paul H. Allen
United Fruit Company
Tela, Honduras

Dear Paul,

We have received the parcel that you posted from New Orleans containing the five original drawings by Dorothy. They arrived in excellent condition.

From the lot we have selected the following to constitute a gift from the two of you for addition to our collection and as a representation of Dorothy's botanical art:

Lycaste aromatica

Odontoglossum grande

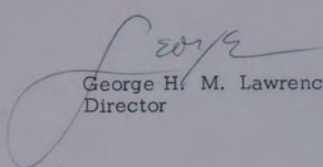
These two were chosen because they seem to us to form a very lovely pair for exhibition purposes and are of plants that are known to orchidists. We are indeed grateful to both of you for your generosity in responding to my invitation that representation of Dorothy's work be here.

The three remaining drawings are being sent today to Mrs. Mary L. Dann at the St. Louis address.

If at some later date Dorothy decides that she would like to part with a collection of her drawings for a mutually agreed price, I would be glad to entertain a proposal to that effect. They should be preserved for botanical use in the future, and also as examples of her artistic talents.

With kindest regards to both of you,

Most cordially yours,



George H. M. Lawrence
Director

GHML:fkx

Enc: Copy of letter to Mrs. Mary Dann

The Rachel McMasters Miller Hunt Botanical Library

Carnegie Institute of Technology Pittsburgh 13 Pennsylvania

4 March 1963

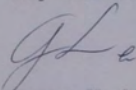
Mrs. Mary L. Dann
3525 Belaire Place
St. Louis, Missouri

Dear Mrs. Dann:

Today we are sending you by parcel post, insured, a package containing three original drawings by Mrs. Paul H. Allen, which Paul requests be sent to you "where they can be picked up on one of our visits to that area."

No doubt he has advised you that they will be arriving, and I would be pleased to learn of their safe arrival. A stamped self-addressed envelope is enclosed for your convenience.

Very sincerely,



George H. M. Lawrence
Director

GHML:fkf

Enc: Self-addressed envelope

Usc: Three original drawings by Dorothy Allen

cc: Mr. Paul H. Allen

COPY

Digitized by Hunt Institute for Botanical Documentation

The Rachel McMasters Miller Hunt Botanical Library

Carnegie Institute of Technology Pittsburgh 13 Pennsylvania

GEORGE H. M. LAWRENCE, *director*

22 February 1963

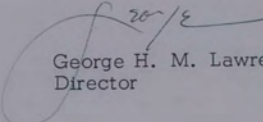
Mr. Paul H. Allen
United Fruit Company
Tela, Honduras

Dear Paul,

How exciting it is to learn from your letter of 14 February that Dorothy and you have agreed to provide us with three or four of her lovely orchid originals. We would be pleased to pick two from them and return the others.

If Dorothy is not willing to set a price on them I would be pleased to send her an "honorarium" for services rendered. If in time to come she is looking for a repository where some of her art work of a horticultural or botanical nature would be used and appreciated, I do hope that this Library receives consideration. If at any time you are anywhere in the area I do hope that you will contact me and give me the opportunity of showing you our facilities, collections, and tell you about our program. If in the area, I would be most happy if you would plan to be my house guest.

Most cordially yours,


George H. M. Lawrence
Director

GHML:fkf

Tela, Honduras -
February 20, 1963

Dr. G. H. M. Lawrence, Director
Hunt Botanical Library
Carnegie Institute of Technology
Pittsburgh 13, Pa.

Dear George:

It now appears probable that I will be in New Orleans for a day or two by the early part of next week, and will take the opportunity to send the several original drawings mentioned in my earlier letter. You will note that I am including several tree drawings, which you perhaps have never seen, but the selection is entirely up to you. The lot is as follows:

Cattleya Dowiana
Luehea candida
Lycaste aromatica
Odontoglossum grande
Pentaplaris Doroteae

It would be very much appreciated if the extras, once you have made your choice, could be bundled up as received, with the piece of plywood as a safeguard, and sent by registered mail to Mrs. Mary L. Dann, 3525 Belaire Place, St. Louis, Missouri, where they can be picked up on one of our visits to that area.

With most sincere regards,

Paul H. Allen

St. Lawrence

2 timber trees Feb. 25

Pentaplexis floribunda
Luehea candida

3 orchids

Lycaste aromatica
Cattleya Louisa
Odontoglossum
Grande

$15\frac{1}{2} \times 12\frac{1}{2}$

cut 2 pieces
equalito

Mrs. M.E. Read
412 E Forteficateou St.
Jackson 2, Mississippi

Digitized by Hunt Institute for Botanical Documentation

Tela, Honduras -
February 14, 1963

Dr. G. H. M. Lawrence, Director
Hunt Botanical Library
Carnegie Institute of Technology
Pittsburgh 13, Pa.

Dear George:

We have never disposed of any of Dorothy's originals to date, but she feels properly flattered by your interest and would be willing to part with two for the purposes indicated in your letter. Since our mails are somewhat uncertain it would seem to me that these might best be held until I am again in the United States (I now plan to come up sometime this spring) and that they be sent to you at that time. My reaction now is to pick out three or four things in addition to the Lycaste and let you decide for yourself what is best suited to your needs. I will try to drop you a note when these are mailed, as to where the unwanted drawings are to be sent. We have never sold anything of the sort, so these will be a small contribution from Dorothy to your collection.

Most sincerely,

Paul H. Allen

The Rachel McMasters Miller Hunt Botanical Library

Carnegie Institute of Technology Pittsburgh 13 Pennsylvania

GEORGE H. M. LAWRENCE, director

6 February 1963

Mr. Paul H. Allen
United Fruit Company
Tela, Honduras

Dear Paul,

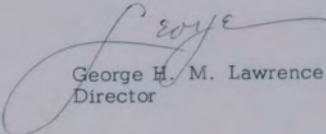
On my return from a trip to Florida I find the delightful seasonal greeting card from Mrs. Allen and you. I thank you for your thoughtfulness in sending it.

When visiting Nixon and Evelyn Smiley one evening the conversation turned to the two of you and I learned to my disappointment that Mrs. Allen has not been well. I trust that she is recovering from her recent illness and that the medical treatment received in New Orleans is beneficial.

The pen and ink drawing of Lycaste aromatica on the cover of the greeting card is delightful. As you know, we are endeavoring to build up Mrs. Hunt's very large collection of original botanical art work. I write to inquire if one or both of you might have a pair of pen and ink drawings such as that shown on the cover of the Christmas greeting card which you would consider selling to the Hunt Botanical Library? During the last two years I have concentrated on acquiring work of contemporary botanical illustrators and artists. I would very much appreciate obtaining a pair of originals by Dorothy Allen. The Lycaste is a gem and possibly there is another that might go with it for exhibition purposes. I do hope to hear from you on this if you are interested in parting with one or hopefully two drawings such as this.

With this I send you my very best greetings for the coming year.

Most cordially yours,



George H. M. Lawrence
Director

GHML:fk

The Rachel McMasters Miller Hunt Botanical Library

Carnegie Institute of Technology Pittsburgh 13 Pennsylvania

GEORGE H. M. LAWRENCE, *director*

2 October 1962
Dictated 30 September

Mr. Paul H. Allen
United Fruit Company
Tela, Honduras

Dear Paul,

It's a long while since I've heard from you and your letter of August 31 with its enclosure of biographical data about yourself and the photograph are all most welcome. I have read them this Sunday afternoon after having had five busy weeks of work in various botanical centers in Europe.

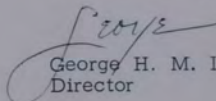
Walter Hodge did a good job publicizing our desire for biographical information on American botanists. The response has been gratifying. The sheet that you have given me is exactly the sort of thing that we need and for which I am most grateful to you. The photograph is a gem and if you have occasion to write me again perhaps you could tell me by whom it was taken.

I wondered, knowing of your collecting activities in the Philippines, if you had occasion to spend any time in the field with my former student Juan V. Pancho? Juan spent two years working at the Hortorium and I hope that some of our procedural techniques rubbed off on him and that he does become a good scientist in his own right. I've often wondered about him because I suspected that he would have an uphill climb because of political frictions at the college at Las Baños.

It is good to know that you are having such phenomenally good luck in working out the cultivated types of bananas. I always felt that too much emphasis was given on the wild types and their genetical problems at Trinidad to really make the work there useful to those concerned with the cultivated components. Thank you ever so much for your invitation to visit you. Nixon Smiley has told me of his recent visit and the environment and the opportunity to see it first hand and what you are doing are certainly beckoning, but I'm sure that there is not going to be an opportunity to make such a trip the next two years.

With kindest regards and best wishes,

Most sincerely,


George H. M. Lawrence
Director

GHML:fkH

Cable: HUNTBOTLIB PITTSBURGH Telephone 621-4619 Area code (412)

Mr. Paul H. Allen

2

2 October 1962

P. S. With this letter I enclose a copy of the June issue of THE PLANT SCIENCE BULLETIN, which you may now have seen from other sources, and in which the program of this Library is explained briefly.

Research Department
Tela, Honduras
August 31, 1962

Dr. G. H. M. Lawrence, Director
Hunt Botanical Library
Carnegie Institute of Technology
Pittsburgh 13, Pa.

Dear Dr. Lawrence:

During the course of the recent Neotropical Botany Conference held in Trinidad Walt Hodge made an announcement to the effect that you were collecting up to date information on American botanists and that this was (perhaps) to be used as part of a comprehensive directory. I would be very happy to have such a thing, if it is produced, and am passing the enclosed along for whatever use it may be to you.

We have been back from the Orient since about the first of the year, and I now oscillate at increasingly high frequencies between the Lancetilla Station and our banana trial plots, where we now have about 725 accessions under observation. I am trying to prepare keys to both the wild and cultivated types, and find it considerably easier than I had expected, since the plants fairly crawl with good characters.

We would be very happy to see you here, if your travels ever bring you this way. We have a wonderful beach right in front of the house, and about 1000 acres of interesting plants at Lancetilla.

With most sincere regards,

Paul H. Allen

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK

1 May 1959

Mr. Paul H. Allen
Servicio Cooperativo Agrícola Salvadoreño--Americano
Centro Nacional de Agronomía
Ministerio de Agricultura y Ganadería
Santa Tecla, El Salvador
Central America

Dear Paul:

Thank you for your kind letter of April 25, bringing us up-to-date on your recent activities and giving your proposal for getting the orchid material back to us.

It is agreeable with us for the material to be shipped via air express on TAN Airlines. I am wondering whether it can be shipped from Miami here by regular first class mail instead of air express. I only suggest this in case there is a substantial savings. Otherwise, that it come all the way by air express for which we have connections to Ithaca.

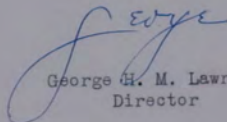
There are also the books that we loaned you which should be returned at the same time. You didn't mention these, but I am sure you have them in mind.

Despite your comments about deserving no honorarium for not having finished the job, we will certainly do our best to do right by you and will send you an honorarium over and above the postage expense, including air express charges, that you will have incurred. This I will take up with Hal Moore.

I will let you know immediately as soon as the material arrives.

It is becoming abundantly clear that the work you are doing for the Government is going to be most valuable, not only to persons in the country, but to those of us who work with the plants. We look forward to the publications resulting from your studies with more than average interest and we will appreciate the pressures that these obligations have put on you. Keep up the good work, because if you don't do it, I don't know who will.

Most sincerely,



George H. M. Lawrence
Director

April 29, 1959

Dr. G. H. M. Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

It has been my experience that an air waybill number sometimes helps in locating air express shipments, so am sending you the enclosed, in the hope that it may be of some use.

We are in the process of packing, in preparation for our return at the end of next month to Honduras, where final work on our tree manual will be done at Zamorano. I hope to get to the United States sometime in the fall, and would like to drop in on you for about a day, if my travels take me to New York, as now seems likely.

I greatly regret having had to give up on this project, but things have become very complicated, in the last year or two, and I could see that it was unlikely that I would ever have the time or facilities to get it done.

With most sincere regards,

Paul H. Allen

April 25, 1959

Dr. George H. M. Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

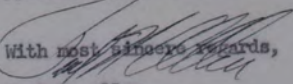
Your good letter regarding the orchid list for Hortus III arrived a day or two before our departure for Honduras, which will explain the long delay in an answer. Nearly three weeks were spent at the Zamorano herbarium, working up recent collections of trees from El Salvador, which now exceed 900 in number, up from the 480 known from the country when our work was begun in August of last year.

Since my contract with the Salvadorean Government calls for keys and descriptions for all of these, I find myself in the embarrassing position of having to beg off on some smaller commitments. This has been particularly true of the work on the orchids, which has proven to be immeasurably more complicated than I had bargained for. At the present moment I have rather the feeling that an attempt at a stable list of names is rather like trying to paint a roller coaster in motion. You can describe what has gone before, and perhaps be forgiven for guessing what the future may bring, but you risk appearing ridiculous if you say categorically that a given name is the correct one, since the next issue of the Botanical Museum Leaflets is likely to be filled with further revivals of obscure Rafinesquean epithets. This is by no means the only problem, nor am I intending to imply that these changes may not have general acceptance, but you may understand that it introduces a decidedly disquieting note into an otherwise sufficiently difficult situation. Obviously someone is going to have to pass on any opinions received from the various orchid authorities, if our list is circularized, but I would feel that the final word should come from someone like Schweinfurth or Summerhayes, who has both maturity of judgement and adequate working facilities.

My present plan is to pack up my card index, together with the reference books which you have so kindly sent me, and return them to you via TAN Airlines, who have an inexpensive air express service from here to Miami. Air mail by any other means would prove to be prohibitively expensive, and surface post impossibly slow. If this plan proves to be impractical for any reason, I will see that you are informed promptly.

I of course greatly regret that circumstances have taken the turn that they have, but hope that you will find something of value in the lot of cards when they are received. Since I have not completed the job, I could not accept anything in the way of credit or an honorarium, though I appreciate your kindness in making the offer.

With most sincere regards,


Paul H. Allen

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK
19 March 1959

Dr. Paul H. Allen
Centro Nacional de Agronomia
Santa Tecla
El Salvador

Dear Paul:

Your letter of March 14th reviewing the situation as concerns handling the orchids for Hortus III has been read most sympathetically. Both Hal Moore and myself recognize the problems which you face, notably those of lack of adequate time for the work and of library facilities.

Both of us agree with you completely that horticultural works intended for the public are not the place in which to initiate significant changes in the taxonomy of any group. On the other hand, it is true that in our studies leading to the preparations of accounts for these works we have made taxonomic changes and revisions but have published them separately and prior to utilizing them in the horticultural works.

As concerns the wide discrepancy between names in Bailey's Cyclopedia and in Hortus Second, I think it only fair to point out that no matter what the printing date of the Cyclopedia, the material in it on orchids dates from about 1915, and some of it back to 1912. On the other hand, that for Hortus Second dates from 1938, when Schweinfurth went over all of the manuscript on the Orchidaceae for that volume and presumably checked it as best he could in a six weeks' period. Of course, in that volume no botanical authorities were used and this undoubtedly simplified his checking. It has been our practice where there was a difference of opinion in the two works to follow that approved by Schweinfurth in Hortus Second.

We concur with your own opinion of Alex Hawkes' work. We have never sought his opinion on any problems in orchid taxonomy, nor have we ever acted solely on his published statements. From all that I know about him there is no doubt of his intellectual brilliance, but at the same time there is abundant evidence to raise serious doubts on the reliability of his judgments. After all, taxonomy is a science of judgments.

We concur with you on acceptance of names given in the publications by Louis Williams, Don Correll, Hoehne, and Holttum - all of whose works we have in our departmental library.

Your suggestion that you send the card index that you have prepared to us, and that we have a number of typescript copies prepared for circulation among recognized authorities such as, Holttum, Schweinfurth, Henry Teuscher, and Summerhayes, is a good one. We are prepared to do this. As you note, the descriptions can be picked up from the taxonomic literature. I think our biggest

problem has been the resolution of the taxonomic problems and knowing what is now to be held as a distinct genus and similar problems relating to speciation.

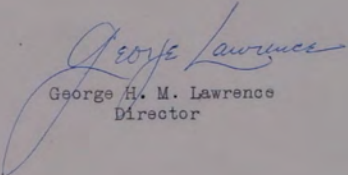
Conceivably, if your suggestion of circularizing these authorities is carried out, it would not be necessary to resubmit the final copy to you. This could mean that submission of the 2400 items you now have on cards would represent your major contribution to our Hortus III problem as concerns the Orchidaceae. Assuming this to be true, I would be deeply appreciative if you would advise me the amount of the honorarium you believe proper and reasonable. I will then put through a requisition so that payment can be made to you at this time.

Please know how appreciative we are of all of the effort that you have put into this so far and that we consider it to be of material assistance to us. Of course, a more accurate evaluation will be possible after the cards have been received from you. Nonetheless we are grateful. When you do return the cards, I ask if you will also return the orchid books sent to you many months ago. These have been drawn out from the College of Agriculture Library and I will see that the loan is closed out and that your name is cleared when you send them to me.

It is good to learn of your recent success in more accurately establishing inventory of the trees of the Republic of El Salvadore. Naturally, we look forward to the publication that inevitably must follow this study.

Hal Moore joins me in sending you our warmest and most cordial regards,

Very sincerely yours,



George H. M. Lawrence
Director

CENTRO NACIONAL DE AGRONOMIA
SANTA TECLA, EL SALVADOR

March 14, 1959

Dr. George H. M. Lawrence, Director
The Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

The present communication is intended to be in the nature of a progress report on the revised list of orchids for Hortus III, and to discuss some of the rather serious problems that have arisen during the course of the work.

As things now stand, I have a card index of approximately 2400 names, representing a rough correlation of the lists given in Hortus II and the Standard Cyclopaedia of Horticulture. I was frankly somewhat perturbed to find how relatively considerable the differences were between these lists, both of which originated at your establishment, and within a few years of one another. Both lists purport to be "species of plants grown in the regions of the United States and Canada for ornament" etc., yet the basic material differs more than I care to think about, and the cited authorities are frequently not the same.

You may remember that I found, during my time at Cambridge several years ago that they do not have anything like a master index of the orchids of the world, so that anything that is done must be a synthesis that reflects the personal opinions and preferences of the author, to a considerable degree. Since my only real specialty in the field of orchids, lies in the geographical areas of Mexico and Central America, I am left in a considerable quandry as to how to handle things from Africa, Asia, and to a considerable degree, even South America.

Alex Hawkes has apparently undertaken a revision of the orchidaceae of the world, and often displays a shattering erudition in regard to some of the major genera that I would approach with misgivings, if at all. His sources of information are unknown to me, but I should judge that they must be principally based on literature, backed by random observations of plants in cultivation, since he has worked mostly in Florida and California, with little if any time at Cambridge, which has really the only remotely adequate study collection of orchids in the United States. Charles Schweinfurth has always felt that horticultural works intended for the public were a poor place to initiate major changes in taxonomy, and I am inclined to agree with him, yet I would be the first to say that some changes, mostly based on recent publications of a technical nature are in order. To put it briefly, I would be inclined to accept the names given in Williams Orchidaceae of Mexico, Correll's Orchids of Guatemala, Williams Enumeration of the Orchids of Central America, Hoehne's Orchids of Brazil (which actually covers most of South America), Schweinfurth's Orchids of Peru, Correll's Orchids of North America, Williams & Allen's Orchids of Panama, Holttum's Orchids of Malaya (which I do not have) etc.

To say that I am becoming alarmed at the magnitude of the task would be something of an understatement, since all of this must be done in my so-called "spare time" and without stenographic or other help, and without an adequate library. My present work for the Salvadorean Ministry of Agriculture is going well, in the sense that I have been able to raise the known total of trees for the Republic from approximately 480 given by Standley and Calderon to nearly double that total, in less than eight

months of field work, but I am now faced with keys and descriptions of all of these, plus the working out of a few sticky taxonomic problems between now and July. This also without stenographic help, and the thought of it all simply floors me. We of course hope that we may be fortunate enough to get a Guggenheim grant, so that we can return to Panama for more of the same, on the forest resources of that country, but that too will be of the kitchen-table, portable-typewriter variety, and will involve a major move, or moves to boot.

Under the circumstances it would seem to me that we must consider some alternate way in which this thing can be completed. I would estimate that I have by now located authorities of sorts for at least 85% of the species and varieties in the card index, but have, as I have said, considerable misgivings about the names for areas outside of the U.S., Mexico and Central America.

It has occurred to me that it might be practical to send this card index to you, to be typed off, with several duplicate copies, which would be sent to recognized authorities like Holtum, Summerhayes, Schweinfurth, Caray, Teuscher, and Hawkes, requesting their comments and suggestions. This should theoretically produce a pretty good basic list, and the descriptions of most could be picked up from either Hortus II of the Standard Cyclopaedia, by any competent stenographer.

I am sorry to give you a hard time on this, but it was undertaken at a time when I had a reasonably good library almost in my back yard, some free time from teaching, and annual leaves to the U.S. for work not possible in Honduras. All of this has changed, and the change has been of my own choosing, since it will give me my only chance to finish major projects that have been "in preparation" for ten to twenty years, but it leaves little time for extras, since I have an obligation to those who have made this opportunity possible.

With most sincere regards,

Paul H. Allen

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK

4 November 1958

Mr. Paul H. Allen
Centro Nacional de Agronomia
Santa Tecla
El Salvador, Central America

Dear Paul:

Thank you for your kind letter of October 25th and for sending back Alex Hawkes' list of notes with your marginal comments. A photostat of this list is returned for your records.

As to the Latin names to be given to bigeneric hybrids, Article H. 3 (of Appendix I) of the Paris Code states "the name consists of a new 'generic' name usually formed by a euphonic combination of parts of the names of the two parent genera, and a ('specific') epithet."

As far as I can see we are not to use the full generic name of each of two genera involved as parents in the composite name for the bigeneric hybrid. That is to say, there would not be a bigeneric hybrid named *Rhyncholaelia-Cattleya*. I would interpret such a name to be contradictory to the Rule cited above. I agree with you that it would be most unfortunate if we were to seriously start using this format for bigeneric hybrid names.

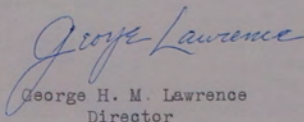
It has been our practice when preparing compilatory accounts for Hortus III to consult the best taxonomic opinions on the subject. Often times one encounters divergent opinions on the same subject. As an intelligent compiler we reserve the right to decide which of two opinions we might follow, or even to reject both and use our own. This being the case, I would agree with you that as the compiler of the treatment for orchids you have ample authority to reject the botanical approach of combining all the large-flowered *Cattleyas* as varieties of *C. labiata* and, on the contrary, to retain those as species. In order to show awareness of the opposing view, we sometimes add a sentence or two indicating the nature of that view, doing so under a species if it refers only to a species, or at the end of the generic write-up if it relates to several species or to the entire genus. Here is where you could point out that some authorities reduce most species of large-flowered *Cattleyas* to a single species, *C. labiata*.

As you point out, preparation of the descriptions is largely a clerical chore and if we can have your opinion as to the names to be used and the taxa to be included as you see it, that will be of great help to us.

I am delighted to learn that you may have a preliminary list for us sometime during the coming months. Perhaps by then your own position will be clarified and you will have a better idea of your plans and activities for the next year or two. I trust that the few books that we sent you a year or more ago on loan are still accounted for, (since I drew them from our library on a regular loan basis) and I assure you there is no need to return them until you have finished this Hortus assignment. On the other hand, if there is anything that we can do by way of consulting literature here that might not be available to you, please don't hesitate to advise me accordingly. I am deeply appreciative of the time and attention you are giving to this, the more so knowing how busy you are and of the many pressures under which you are operating.

Meanwhile, all best wishes to you.

With kindest regards,



George H. M. Lawrence
Director

lm

Enc. Photostat of Hawkes' list.

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK

16 October 1958

Mr. Paul H. Allen
Centro Nacional de Agronomia
Santa Tecla
El Salvador

Dear Paul:

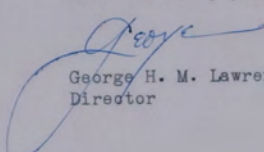
A few weeks ago I sent you a list of nomenclatural changes in the orchids as provided by Byrd Graf of the Julius Roehrs Company in New Jersey by Alex Hawkes. In your responding letter you indicated that a number of those known to you were acceptable.

Knowing how busy you are I would not suggest that you take any time to check this list further. However, it would help me if you could return it with a check mark beside those instances that you would be willing to accept on the basis of present knowledge. I would be glad to have the list photostated and returned to you for further consideration when you have the time to get into it.

Perhaps by now you are beginning to get enough of a feel of the magnitude of your present job and the amount of work it is going to require of you to be able to indicate whether my ideas as given in my last letter to you may prove to be practical.

With every best regard and well wish,

Most cordially yours,



George H. M. Lawrence
Director

CENTRO NACIONAL DE AGRONOMIA
SANTA TECLA, EL SALVADOR

October 25, 1958

Dr. George H. M. Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

You will find enclosed the list of suggested changes which Hawkes submitted to Roehrs, with my personal reaction, wherever I had any, scribbled on the margin. Some of these are clear cut cases which have been generally recognized for some time, but which would have various degrees of horticultural acceptability, while others are either controversial or unknown to me without further delving in the literature. I would like to have a photostated copy of this returned to me, at your convenience, for future reference.

A detailed analysis of all of the orchid dealers lists presently available, and a correlation of their often dated, misspelled or misspelled names with a currently acceptable set of scientific names is obviously beyond my abilities, both as to time and working facilities. Such a chore would take a minimum of a year, of full time work, with the best of library facilities, by a well informed individual. Since this is obviously out of the question, we will have to decide on an acceptable alternate plan, and even this is not easy, since it is obviously useless (or so it seems to me) to propose cumbersome changes that will never be used by the growers, who will be primarily affected. In this category I would place the botanically sound, but horticulturally unacceptable reduction of most of the large-flowered Cattleys to varieties of C. labiata. I think that we might as well face the fact that much of orchid taxonomy has always been heavily influenced, if not actually dictated by expediency. Any other course offers some very awkward changes; "Brassos" might be an example. Are we seriously to start calling bi-generic hybrids Rhyncholaelia-Cattleya, or worse Rhyncholaelia-Laelia, or Rhyncholaelia-Laeliocattleya? I am reminded of Dr. Merrill's hypothetical objection to tri-nomials, based on the re-acceptance of the genus Lablab, in which the cultivator would have to shout Lablab lablab lablab across the seed counter. I just don't know, but if you do, I would appreciate your reactions.

The original lists which you sent me, from the last Hortus are by now beyond any other persons interpretation, so I am typing off a card index of the names, with authorities where such have been located. I am still somewhat alarmed at the wide discrepancies that often occur between say, the Kew Index and Ames Orchid Herbarium publications in this respect, but a better list would mean searching the original places of publication, a truly formidable task. Some of these names are going to have to be credited to that prolific worker Hort. un-

less you have other preferences.

Once I have the card index completed, I will type off a clean copy and let you have it, since I am far from certain that I will have time for the descriptions. This is largely a clerical chore (some could be lifted intact from Hortus II) but some new material would have to be added. I hesitate to promise anything until I know what next year will bring, either in the way of a grant to return to Panama, or ?? Even semi-scholarly work depends on a certain degree of ~~activity~~ stability, which I am never sure of. If my Guggenheim materializes, I will have a fixed base of operation and a little extra time, for two or three years. If it does not I will have to fall back on alternate plans that might take me to Fiji, for all I know, since a horticultural post with Point 4 would be almost the next logical choice. This present task was taken on at a time when Dr. Popenoe was still Director of the Escuela Agrícola Panamericana, and when the future seemed secure for a few years ahead. His forced retirement changed all that and has made things complicated all 'round.

In any case I should have the preliminary list to you within a month or two, and we can consider further moves then.

With most sincere regards,

Paul H. Allen

CENTRO NACIONAL DE AGRONOMIA
SANTA TECLA, EL SALVADOR

August 30, 1958

Dr. G. H. M. Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

Your good letter, with the list of Alex Hawkes comments on the orchid names in Roehrs new Exotica has been forwarded to me here from Zamorano, as you will note, which will explain my uncommunicative lag, occasioned by our transfer, with all of our goods and chattels to a new country.

It has only been within the last day or two that I have been able to again lay hands on even my most urgently needed books and files, so that I scarcely know what to say in regard to further work on the orchids for Hortus III.

A word or two of explanation of all of the above may be in order. My position at the Escuela Agricola, even in Dr. Popencoe's time was never that of a botanist, but rather of a horticulturist and/or agriculturist, involving the teaching of such courses both in the classroom and in the field, plus minor administrative chores of a busy varied nature. All of this did, however, leave me a small amount of free time, over weekends and during evenings, and it was during that time that I had expected to complete the Hortus work for you.

After I had made what amounted to only a good beginning, Dr. Popencoe retired, and a new administration took over, with quite different ideas as to the individual duties of the various members of the staff. This change left me with the teaching of English, and a greatly increased load of chores that tended to spill over into the little spare time that I had enjoyed before.

After about a year of this, I received an offer to come to Salvador as a consultant to the Ministry of Agriculture, to set up a herbarium (or rather to organize and supplement a badly neglected herbarium already in existence) and to prepare a manual, with keys, covering the timber resources of the country. This assignment is based on a one year contract, to be renewed if they have the money (which in turn is dependent on the world coffee market).

In my relatively short time here I have been through their collection, and have thrown out the specimens showing the worst insect damage, and have two or three thousand of the best sheets and/or unmounted specimens inserted in genus covers, and filed in some sort of order. I am now winnowing through a great pile of three or four thousand additional specimens which are unnamed, identifying what I can, and adding them to the principal collection.

This is extremely interesting and congenial work, and a wonderful change from what Zamorano had become, but it is being done under considerable pressure, since I must have something completed by the end of my year, both for myself and for those who pay my salary.

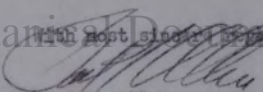
If things go well, and they feel in a position to confirm me as a sort of permanent botanical advisor to the government, I may, in time, have plenty of opportunity to work on orchids, but at the moment I am caught in the squeeze between your deadline and that required by the Ministry.

I would appreciate your reaction to all of the above, particularly in regard to the date when you will have to have completed manuscript. If this is to be this year, I'm afraid we will have to call in help, from some quarter, particularly in view of the rapidly multiplying complexity of the orchid situation in the United States.

I don't know what your impression is of Alex Hawkes, but he can and will undertake just about anything of this nature, and he happens to be in the unique position of being free to do it, at the moment, due to a series of circumstances that are largely of his own making. I must hasten to add that he is capable of accepting your records and illustrative material without a quail, and that you may have to threaten him with the full power of the law to get them back, but when seen face to face he is erudite, convincing, and utterly charming. If you consider him at all, it should be on some basis by which he will be under someone rather direct supervision. He is capable of doing good work, but is very erratic, and would need to be checked for accuracy by someone like Charles Schweinfurth before going to press.

A copy of Roehrs Exotica arrived a few days before we left Honduras, and I have it before me as I write. I can agree with many, but not all of Hawkes comments in regard to the American species, at least. In short, I am not too badly off as to literature, but I am caught in the matter of time. Please let me hear from you and we will try to work something out when I get beyond this initial emergency phase here.

With most sincere regards,


Paul H. Allen

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK

14 August 1958

Dr. Paul H. Allen
Escuela Agricola Panamericana
Apartado 93
Tegucigalpa, Honduras
Central America

Dear Paul:

Since it has been some time since we have heard from you, I am dropping a line to inquire how work is coming on the orchid manuscript for Hortus III. This is simply an inquiry on the present status of the work rather than any thought of rushing you or suggesting completion of it at this time. I know how pressed you are for spare time.

Between Alex Hawkes and Bob Wilson we have gotten a large number of new binomials to be accounted. These I will send to you after hearing from you.

Alfred Graf, of Julius Roehrs Company, sends me a list of "corrections" that he has received from Alex Hawkes for names of orchids listed in his 1958 edition of *Exotica*. (Original edition of *Exotica*.)

I do not know if you have Roehrs' *Exotica* or not. If not, we could probably loan you a copy.

In looking over Hawkes' list I find some things with which I can agree (such as the change from *Lycaste Skinneri* to *L. virginalis*). There are many others on which I have no basis for an opinion, however. In any case, these are all situations with which we must concern ourselves in the preparation for copy of Hortus III, hence relate directly to your own activities in our behalf.

We have never gotten down to brass tacks in the matter of payment to you for your work in preparing the treatment of orchids for Hortus III. Because of our budgetary situation, I would prefer to distribute the payment if agreeable with you. Hence if you have manuscript for some genera that you could send us, I would then put through a requisition for an initial \$100 to be credited to the amount due you for the whole job. If you have ideas on what you believe would be a fair price, please let me have them.

Whenever I tell persons that you are doing the orchids for Hortus III, we get not only a favorable reaction, but compliments for having "persuaded" you to take the assignment. Recently when discussing the matter with Henry Teuscher in Montreal, he told us how fortunate we were. We too share that opinion.

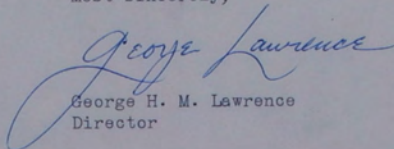
Dr. Paul H. Allen

Page 2

14 August 1958

With kindest personal regards,

Most sincerely,

A handwritten signature in cursive script that reads "George Lawrence". The signature is written in dark ink and is positioned above the typed name and title.

George H. M. Lawrence
Director

dh

Enclosure

January 21, 1958

Dr. G. H. M. Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

This is just a note in reply to your recent inquiry regarding the copies of Sanders Orchid Guide and lists of hybrids which you have so kindly sent me. Approximately half of this shipment appeared a month or more ago, but the remainder were delayed, for some reason until last week, probably because of the holidays. The entire lot may be listed as follows:

Sanders Orchid Guide - SB-409-S21g -1927
Sanders Orchid Guide - SB-409-S21g
Sanders List of Orchid Hybrids - SB-409-S21 -1946-48
Sanders Complete List of Orchid Hybrids - SB-409-S21-1946

The lists of Orchid Hybrids, in particular, seem to provide much of the information which I still need, but the problem is going to be when all of this is to be completed, due to the greatly increased work load and rather drastic policy changes since Dr. Popenoe's retirement last July. Spare time, even for answering professional correspondence has been reduced almost to the vanishing point by the assignment of work loads and teaching schedules of staff members who have resigned to those of us who remain, so that I have considerable misgivings as to just how all of this is to be translated from my present rough notes into some sort of usable form. If this situation does not improve after our graduation in early March I am going to have to beg off and farm this chore out to someone else. Do you suppose that either Charles Schweinfurth or Dick Schultes, who do, after all occupy posts entirely devoted to Orchid studies, could be persuaded to see the thing through the typing and editing phase? Most of this could be done by any competent stenographer used to typing scientific manuscripts, but is slow going for my hunt & peck system, even if time were available. Let me have your reaction to this, or I will write you again in March.

Most sincerely,

Paul H. Allen

G. H. M. Lawrence, Dir.
Wiley Hortorium, Cornell Univ.
Ithaca, New York, U. S. A.



AIR LETTER
AÉROGRAMME

VIA AIR MAIL
PAR AVION

Dr. Paul Allen
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa
British Honduras

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Dr. Paul Allen
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa
British Honduras

6 January 1958

Dr. Paul Allen
Escuela Agricola Panamericana
Apartado 93
Tegucigalpa
British Honduras

Dear Paul:

Several weeks ago our library sent you our copies of Sander's Orchid Guide and lists of hybrids. A check of our correspondence file fails to turn up any acknowledgment of their safe arrival with you.

Because some of these are now difficult to replace, I am somewhat anxious to know if you got them. It is also possible that your note of acknowledging them never reached here.

With this note of inquiry, all of us from the Bailey Hortorium send you our very best, and most sincere, wishes for a most satisfying New Year.

Cordially yours,

G. H. M. Lawrence
G. H. M. Lawrence
Director

lm

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WASHINGTON, D. C. 20540
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VIA REGISTERED MAIL

October 5, 1957

Dr. George Lawrence, Director
Bailey Herbarium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

A slight lull in my routine chores has given me the opportunity recently to have another go at your orchid list, in an attempt to bring this up to date and to cite authorities for original publication.

As you probably realize, there is considerably more to this than meets the eye. In fact, when I first took this on I supposed, in my youth and innocence, that it would simply involve running through the card index at the Ames Orchid Herbarium. This was done, as you know, during my leave time in the United States in the spring of 1956, but left me with many names in doubt, totaling perhaps a third of the lot. Some of these were of course of hybrid origin and in consequence to be sought elsewhere, but to my alarm I find that many others, including quite a few taken from the Cambridge files do not check even remotely with the Kew Index, and in some instances versions appear in say, Correll's Orchids of North America that check neither with the Ames Orch. Herb., the Kew Index, or Bailey's Cyclopaedia of Horticulture.

What would seem to be indicated would be the tracing of each & every one of these back to the original volume of publication, which would be a truly formidable task, and quite beyond the scope of our relatively modest library, or for that matter, the time that I can devote to it. Then too, I am still without a set of Sanders list of orchid hybrids, which would be needed, as I wrote you in May of 1956, for the completion of the job. We would not need to retain these permanently, but I would at least have to have something of the sort on loan to try to wind up the job.

My present impression is that my best efforts, at least as attempted here, will produce something that is less than perfect, but it is at least my distinct impression that this has been true of former versions, if one is to judge by the wide discrepancies previously alluded to.

For the moment, my most urgent need is for the loan of a set of Sanders, and in fact I cannot go much further without it. If this can be sent by regular book post registered, I will see that it is returned as promptly as possible.

Most sincerely yours,

Paul H. Allen

May 31, 1956

Dr. George Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

After our very near miss at seeing each other in St. Louis, I spent about a week in Cambridge comparing your combined lists of orchids with the Ames Orchid Herbarium card file, recording the authorities for publication wherever found.

As was to be expected, a fair number of things would not check, which may be because of their hybrid origin, or due to misspellings, or listing of unpublished epithets in nurserymen's catalogs. Time did not permit me to explore all of these possibilities while there, but it would seem that the next line of approach should be through Sanders' list of orchid hybrids. Unfortunately we do not have this work, and its several supplements in our library, so that I am going to have to ask you for its loan if we are to continue with the plan to include the latin-named hybrids.

While I hesitate to propose their entire elimination, such listings will actually contribute little to the work, since it would be about as logical or useful to list those with yellow flowers, or with names ending in the letter A. Their inclusion will approximately double the task of bringing the list up to date and will provide the hopeful reader with a completely capricious selection of plants of extremely disparate horticultural importance.

You have, of course, had to face this same problem in other groups involving extensive hybridization, and I am willing to abide by any decision you have reached. If you want to go ahead on it, let me borrow the set of Sanders and I'll see what I can do.

Before I close, there is another matter that I had hoped to take up with you personally, but which can just as well be handled in this way. Dr. Popenoe has expressed a definite interest in doing the tropical fruits both for Hortus III and for the forthcoming revision of the Encyclopedia. Since he is easily the best informed individual in the field, I would suggest that you contact him by letter and see what can be worked out.

With most sincere regards,

Paul H. Allen

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK
11 May 1956

Mr. Paul Allen
323 West Madison Ave.
Kirkwood
Missouri

Dear Paul:

It is true that I will arrive in St. Louis late in the afternoon of Monday, the 14th, but I will be tied up with the Directors of the Men's Garden Clubs of America that evening.

If you are leaving early on the 15th for New England, I could see you at the hotel, late the evening of the 14th. Otherwise, the forenoon or afternoon of the 15th would be agreeable. I expect to attend the luncheon on the 15th at which time Russ Seibert is to address the group.

I leave St. Louis for Chicago, the morning of the 16th. If I receive no word from you, I will contact you at the phone number you gave me during the morning of the 15th.

I look forward to meeting you during this trip.

Very sincerely yours,

G. H. M. Lawrence
G. H. M. Lawrence
Director

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK
13 March 1956

Mr. Paul H. Allen
323 West Madison
Kirkwood
Missouri

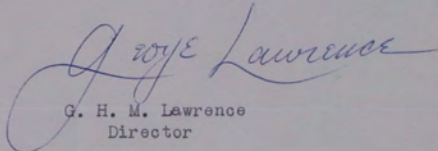
Dear Paul:

Enclosed you will find a reply from Paul Manglesdorf to my inquiry for permission for you to work at the Orchid Herbarium at Harvard in May.

You are quite correct that the Orchid Herbarium is still under Manglesdorf's jurisdiction, and apparently it was a wise move to get his permission before your arrival. Certainly, it will smooth his feathers and perhaps make it easier for you.

I expect to be in St. Louis the first week of May, attending an annual convention of the Men's Garden Clubs of America. I don't know how far you are from there, nor whether you will be in that part of the country then. The dates when I will be there are around May 15 - 18. If the distance between us is not too great, it would be very nice to meet you then and discuss your work for Hortus and plans in general.

Very sincerely yours,


G. H. M. Lawrence
Director

lm

Enc.

BOTANICAL MUSEUM OF HARVARD UNIVERSITY

*Oxford Street
Cambridge 38, Massachusetts*

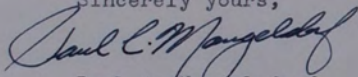
March 7, 1956

Dr. G. H. M. Lawrence, Director
Bailey Hortorium
New York State College of Agriculture
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

Dr. Richard E. Schultes is now Curator of the Orchid Herbarium of Gales Ames, which is still under the jurisdiction of the Botanical Museum. Dr. Schultes tells me that he would be delighted to have Paul Allen work in the Orchid Herbarium for a period of two or three weeks in May.

Sincerely yours,


Paul C. Mangelsdorf

PCM:1

cc: Dr. R. E. Schultes

Dr. G. H. M. Lawrence, Dir.
Bailey Hortorium, Cornell Univ.
Ithaca, New York, U. S. A.



**AIR LETTER
AÉROGRAMME**

**VIA AIR MAIL
PAR AVION**

Mr. Paul Allen
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa, Honduras
Central America

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U. S. AIR MAIL 10¢

L. H. BAILEY HORTORIUM, CORNELL UNIVERSITY, ITHACA, NEW YORK, U.S.A.

27 February 1956

Mr. Paul Allen
Escuela Agricola Panamericana
Apartado 93
Tegucigalpa, Honduras
Central America

Dear Paul:

Following your suggestion, and recognizing the situation as you have explained it, I have written today to Paul Mangelsdorf, asking permission for you to work at the Ames Orchid Herbarium for a period of two to three weeks in May of this year. I

It is very probable that Paul knows how I have felt about the amalgamation of the botanical enterprises at Harvard, and the resultant damage done to the Arnold Arboretum. Since he is undoubtedly the power behind the throne in these matters, and knows of my opposition, it may be that he will not be too happy over the letter I have sent him. We will see, and I will let you know as soon as I hear from him.

With every best regard to you,

Most cordially yours,

George H. M. Lawrence
G. H. M. Lawrence
Director

lm

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1956 FEB 28 LEO

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February 23, 1956

Dr. G. H. M. Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

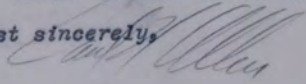
Dear Dr. Lawrence:

Now that our final examinations are out of the way, I can again think of other things, at least until next June. In particular I want to thank you for sending the set of page proof clips on the Orchidaceae and Musaceae to Kirkwood, where we can pick them up in April. If all goes well, we hope to get to Cambridge for a week or ten days during May, which should be enough for the present project.

On our last extended visit there in 1946 I went armed with letters from Oakes Ames giving me the freedom of the herbarium, and one of introduction to Dr. Manglesdorf. I assumed that this should have been enough, but found to my complete dismay that Dr. Manglesdorf felt that his personal permission should have been asked in advance, and that he was distinctly hostile to the whole idea, so much so that there was considerable question as to whether he would allow any of the results of the work to be removed from the building or published.

Of course he and Professor Ames were, at that time, in the very midst of their by now classic feud, and I honestly doubt if there was anything intended which involved me personally, but having had that experience, I feel that it would perhaps prevent a similar misunderstanding if you were to sound him out now. Both Dick Schultes and Charles Schweinfurth are old and close friends and we need anticipate no trouble on their account.

In view of our somewhat erratic movements, as at present planned, for the next 30 days or so, I should think that a reply as to Dr. Manglesdorf's reaction to the plan had better be sent to Kirkwood.

Most sincerely,


January 24, 1956

Dr. G. H. M. Lawrence
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

There now appears to be some possibility that we may be able to spend a few days in Cambridge during our forthcoming junket to the States, and it might be of considerable help to have the page proof of the treatments of the Orchidaceae and Musaceae that now appear in Hortus Secundus, and which you kindly offered to provide at an earlier date. These might as well be sent to 323 West Madison, Kirkwood, Missouri for arrival on or about April 15, since it will reduce postage and the danger of loss in the mails.

From past experience I think that it might also be desirable for you to get authorization from Dr. Manglesdorf for my use of their excellent herbarium and library. Such a precautionary measure can't do any harm, and might save us the embarrassment of ruffled feathers at the last minute.

Most sincere regards,


Paul H. Allen

Dr. G. H. M. Lawrence, Mr. A.
Bailey Hortorium, Cornell Univ.
Ithaca, New York, U. S. A.

SEP 23 1954
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**AIR LETTER
AÉROGRAMME**

**VIA AIR MAIL
PAR AVION**

Mr. Paul H. Allen
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa, Honduras
Central America

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IF ANYTHING IS ENCLOSED, THIS LETTER
WILL BE SENT BY ORDINARY MAIL

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31 January 1956

Mr. Paul H. Allen
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa, Honduras
Central America

Dear Paul:

We are sending the clips from the page proof of Hortus Second, for the genera of Orchidaceæ and Musaceæ treated in that edition, to the address you have indicated in Kirkwood, Missouri. I appreciate your thoughtfulness in suggesting that it be sent there instead of to you in Tegucigalpa.

Since there is ample time to have your answer to the following query, I write it to you before following your instructions about making preliminary contacts with Manglesdorf. The point is, that since Dick Schultes is now the Head of the Oakes Ames Orchid Collections, I wonder if it would not be appropriate to write to him instead of to Manglesdorf. Of course, I am fully aware that Manglesdorf is probably the "power behind the throne" and if you feel that he is the one to be contacted instead of Dick, I will be very glad to do so. You probably know the internal politics here better than I, and your advice will be awaited.

Very sincerely yours,

G. H. M. Lawrence
G. H. M. Lawrence
Director

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ВЕРОЯТНІМЕ
ВІВГЕЛІК

G. H. M. Lawrence
Bailey Hortorium
Cornell University

Ithaca, New York

**AIR LETTER
AÉROGRAMME**

Mr. Paul H. Allen
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa
Honduras



**VIA AIR MAIL
PAR AVION**

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6 January 1956

Mr. Paul H. Allen
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa
Honduras

My dear Paul:

It is indeed good to have your letter of December 26 advising us of your reaction to the work on the Orchidaceae for Hortus III.

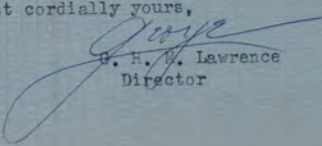
In the first place, I should have made it clear in my earlier letter that the receipt of the manuscript by late 1957 will be agreeable with us, and it is my guess that even early in 1958 would come within our deadline. At all events, I do not think it will be before January 1958.

I am in agreement with you that an exception should be made ^{to} our editorial policy as concerns the orchids, and that we should not feel obligated to include all of the Latin named hybrids. However, the omission of some increases our responsibility to ensure that those which are included embrace all of those that are important in the trade, either as commercial items or in current breeding work. I think that an open mind must be held on this matter and that one should expect to add taxa to this list from time to time as the situation may indicate. As a matter of fact, we do not hesitate to add items to manuscripts right up until the time they are sent to the publisher for setting in type.

The ^{the} matter of synonymy has been given what we felt to be rather careful study, as concerns the general editorial policy for Hortus III. In all other families we have felt that it would be unnecessarily burdensome to the user of the book to include full synonymy, and in addition, it would increase the bulk of the book to say nothing of its final cost. Because of this, we have ~~at the policy that we~~ would use only those synonyms that are to be encountered in current literature as accepted names or that have a direct relation to usage in the trade. In the case of the orchids, the situation is somewhat different since so many orchid specialists do have their own libraries of orchid literature and these libraries include works that go all the way back to the 18th Century. I would prefer to leave it to your judgement in this case to determine what synonyms should be included. Certainly, if a name has been used by Lindley, or by Reichenbach, or other standard authorities, and that name is now considered to be a synonym, it should be included in Hortus III. This, even if we have no evidence of it appearing in current commercial listings. In the case of the orchids, so many persons use the standard *Icones* as aid in identification, that the names used therein should be cross-reference in Hortus III. We recognize perfectly well the need of these synonyms in the articles of this family. At the same time, I hope you are sympathetic to our view that we must not include any than are necessary, for the reasons of space and cost already mentioned. In the last analysis, your judgement in the matter will be accepted.

Please know if there is anything that we can do to assist you in a bibliographic way at this end of the line, we will be happy to do so. By this, I mean that we will endeavor to provide you with microfilms of works needed by you but unavailable at Tegucigalpa, or with photostats of particular pages when the number is small. Needless to say, I am delighted that you are willing to undertake the preparation of this important family for Hortus III. If you wish to have our page proofs and lists of additions for the Musaceae, I will be glad to send them to you that you might consider the two articles concurrently.

With every best regard to you, most cordially yours,


G. H. V. Lawrence
Director

December 26, 1955

Dr. G. H. M. Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

The holidays have given me an opportunity to examine in some detail the instructions, sample entries and supplementary lists of species in the Orchidaceae and Musaceae for the forthcoming Hortus III.

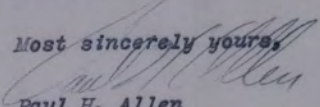
It is my impression that the treatments of the native species and varieties would be relatively uncomplicated, though time consuming, and could probably be roughed in here, subject to final checking at Cambridge.

A much more serious problem seems to be presented by the host of hybrids and horticultural varieties, which are by now just about endless, and involve, I strongly suspect, a great deal of duplication. My guess is that your present combined lists as they now stand would not cover more than 10% of the total names, particularly if the recent Hawaiian hybrids were included. This is an impossible situation, since dozens more will be named while you are reading proof. My personal inclination would be to limit listings to well known, classic specific variants such as *Cattleya Skinneri* alba, and primary hybrids, though this will please none of the hybrid enthusiasts.

Another question would involve synonymy of the recognized species. Some of these synonymous names appear in your combined lists, but many more do not. I should be inclined to think that full synonymy would have to be given in each case, though some are very extensive.

I am not nearly as concerned about the honorarium as I am about the time limit, which you have not actually specified. If this could be done here, piecemeal, over the next year or two, it wouldn't present too serious a problem. If you need it right away, I simply can't do it. I note in your first letter that you expect to begin final editing in about two years, which would probably be pretty close to my own actual possible delivery date.

Most sincerely yours,


Paul H. Allen

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK

11 November 1955

Mr. Paul H. Allen
Escuela Agricola Panamericana
Apartado 93
Tegucigalpa, Honduras

My dear Paul Allen:

I am very happy to have your letter of November 5, appraising me of the situation as concerns your present work-load, and of your interest in learning further of what is involved in preparing treatments on orchidaceæ and Musaceæ for Hortus III. I find that some work on the Zingiberaceæ has been done by Hal Moore, and am deferring forwarding any material to you on that family until a later date, when we will certainly want you to go over his treatment and contribute your own ideas.

Enclosed is a copy of our instruction sheet, covering procedures and sample entries for Hortus III. With it is enclosed also a list of the names appearing in the American trade of members of the two families and which are not treated at the present time in Hortus Second. Of course, many of these names are of hybrids, and others undoubtedly are synonyms of names that may already be in Hortus. The evaluation of these is the responsibility of the person preparing the treatment, and all of them have to be accounted for in the alphabetical enumeration. I think the instruction sheet is reasonably clear, but if further information is desired, I will be very happy to provide it insofar as possible.

I agree with you completely that it is impossible to arrive at any figure that is equitable for an honorarium in these cases. You may be assured that we will wish to be fair about the matter, and that we will do what is right. However, before the work goes too far, perhaps before it is more than 1/4 done, it would be well to know what we are letting ourselves in for, and at that time perhaps you could give me an idea of what you would consider to be a fair honorarium.

It is perfectly agreeable to us if you defer action on this project until your vacation period that commences in March. However, it should be desirable to learn your reaction to the material received, after you have a chance to go over the instruction sheet and to scan the amount of material that is to be included in the new treatment. We are prepared to send you page proof of the treatments that now appear in Hortus Second for the Orchidaceæ and Musaceæ if they will be of use to you. However, it has been our experience so far that we have practically had to rewrite everything because of the number of editorial changes in policy.

Very sincerely yours,

George Lawrence
G. H. M. Lawrence
Director

*P.S. Under separate cover
I send you a copy of the
Pub. Code of Norm. in Cult.
P.H.*

November 5, 1955

Dr. G. H. M. Lawrence, Director
Bailey Hortorium
Cornell University
Ithaca, New York

Dear Dr. Lawrence:

At the present moment I am deeply involved in teaching, and should receive first proof on my *Costarican Rainforest* manual within the next thirty days. My spare moments thus seem to be pretty well accounted for through about the first of the year.

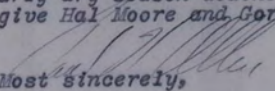
If, in the interval, you care to send me your records of recent introductions in the families indicated I can better judge how much work will be involved. We have a copy of *Hortus Second* in our library, but it would be well to include a sample bit of text from the new work to be sure I understand just what you have in mind.

My present reaction is that the project would have to wait until our vacation period (March through May) for even a start, and that I probably would eventually have to spend some time at Cambridge checking places and dates of publication and synonymy.

As far as the subjects to be covered are concerned, I would feel competent to try the *Orchidaceae*, *Musaceae* and *Zingiberaceae*, in that order, with the *Piperaceae* a very poor and dubious last choice.

Fortunately, I have a good deal in my own files on *Orchids*, some on *Musaceae*, particularly *Heliconia* and *Musa*, and can fall back on our small, but surprisingly good herbarium and library. It would be useless to try to estimate financial needs without seeing how much and what type of new material would be involved.

We are enjoying some very beautiful early dry season weather just now after a very wet October. Please give Hal Moore and Gordon De Wolf our very best,


Most sincerely,

Paul H. Allen

BAILEY HORTORIUM
NEW YORK STATE COLLEGE OF AGRICULTURE
CORNELL UNIVERSITY
ITHACA, NEW YORK
1 November 1955

Mr. Paul Allen
Escuela Agrícola Panamericana
Tegucigalpa, Honduras

Dear Paul:

After having heard so much of you, from so many of my friends and colleagues, I trust you will pardon the familiarity of the salutation. Hal Moore and yourself are friends of long-standing, and I believe you know a relatively new-comer to our staff, Gordon DeWolf, from your associations when working with Schweinfurth at Harvard. Certainly, the Hortorium and its work is familiar to you.

For the last three years, we have been working steadily toward the production of a new edition of Hortus to be known as Hortus III. This will differ from Hortus Second in a number of marked and, we believe, significant, respects. Notably, in the addition of authorities (using double author citation) for all Latin names at the species and varietal level. Some of the problems with regard to ternary names will be made easier by following the current International Code of Nomenclature for Cultivated Plants, which treats those Latin-named taxa having originated in cultivation as cultivars, rather than as botanical varieties. Cultivars do not have to have authors cited for them. Another innovation in this edition, will be the inclusion of selected, fancy-named cultivars and clones, plus bibliographic citations of important monographs that might be useful to the advanced American plantsman. There are a number of families in Hortus for which we do not consider ourselves competent to prepare the treatments.

4 Paramount among these, are the Orchidaceae, the Zingiberaceae, the Musaceae, and the Piperaceae. Suggestions have come to me from several sources, including Russ Seibert, that you are the person best qualified to prepare these new treatments for us. Russ tells me that he believes you have adequate library and plant material facilities at Tegucigalpa to do the job, or that tag ends that could not be completed there to your satisfaction could be completed here in this country. This letter is to inquire if arrangements could be made between the Hortorium and you, whereby you might assist us in bringing the coverage of these families up-to-date. We are not in a position to pay one on an hourly basis, commensurate with their worth. However, we are prepared to pay an honorarium that we think could be arrived at between you and ourselves. Personally, I would like to have some understanding on what this would be before getting too far into the work, and I am sure that this would be the only satisfactory way to handle it. If you would be interested in such a proposition, I would suggest the following:

We would send you page proof copy of Hortus Second, as the record of what is already in that edition. We would also send you for each genus the names of the species and varieties that our records show have come into the American trade since Hortus Second was prepared. I would also send you an author's outline of the editorial policies we are following in an effort to assure a reasonable degree of uniformity between the treatments of the several contributors. To date, we have not gone out extensively seeking collaborators. Reid Moran worked with us for an extended period, doing the Cactaceae, Crassulaceae, and other succulent representatives. Hugh Iltis did do Capparidaceae for us on an honorarium basis. Aside from those two instances, members of our present staff have handled all of the revisions so far completed.

We hope to have the entire manuscript in hand, ready for editing in about two years time. If you would be interested in this project, I will send the material to you to look over and, should your reaction be favorable, for us then to arrive at a basis of establishing an honorarium for each of the families concerned.

Along this line, you may be interested to know that we are already making preparations for the Hortorium to head up the preparation of a new Cyclopedia of Horticulture. It will not be a revision of Dr. Bailey's Standard Cyclopedia of Horticulture, but will be a new work from start to finish. A rather detailed plan and outline of this project has already been made and will be proposed to commence it just as soon as Hortus has been cleared with the publisher. We are estimating that ten years will be required to do such a Cyclopedia. The problem of procuring personnel to work on this project is very considerable, and the identity of competent persons is just as much a part of our interest now as is the colossal problem of raising the necessary \$900,000 that we estimate it will take to do the job (exclusive of the publisher's production costs). It has been our experience that material brought together in the preparation of revisions of families for Hortus III is more ample than can be incorporated in that work, but will be exceedingly valuable in the preparation of articles on the same genera for the Cyclopedia. This is especially true as concerns keys which we have prepared sometimes in better understanding the species involved, but which will not be used in Hortus III. Many of these may lend themselves for use in the new Cyclopedia. I mention this, in passing, to let you know that Hortus III is not an end product in itself, and that we do have plans for further work of a more intensive nature, but in the same direction.

Looking forward to hearing from you, and to learning of your reaction to this proposal, I remain,

Very cordially yours,

George Lawrence
G. H. M. Lawrence
Director

Hawkes's sources of information are unknown to me, but since he has worked principally in Florida and California, they must of necessity be based on literature rather than on any actual examination of specimens. This type of scholarship tends to be a fertile breeding ground of error, and should be taken with a very large grain of salt unless some substantiating evidence is presented. Charles Schweinfurth has always felt that a popular horticultural work is scarcely a place for revisions of a monographic nature, and I am inclined to agree with him.

No. 1

Now find that the treatments given in Hortus II and in the Standard Cyclopedia of Hort. bear only an approximate resemblance to one another, yet both are presumably based on the species cult. in the U.S. To arrive at any sort of fair and sensible correlation of these two, plus recent additions to dealers catalogs would be a task quite beyond my time or working facilities.

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To say that I am becoming alarmed at the magnitude of the task would be the understatement of the season. Would now estimate that a full year would be required to complete the job, on a more or less full-time basis and with considerably better working facilities than I have here.

Hawkes, as always, displays a shattering erudition that in my experience is usually, but not invariably backed by the facts. My own reaction is that no very useful purpose is served by this essentially sterile branch of botany that ^{Misleadingly} concerns itself with the ^{Rare and} resuscitation of long dead, and better buried names.