



Hunt Institute for Botanical Documentation
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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.

December 12, 1941

Professor T. H. Goodspeed
2079 Life Sciences Building
Campus

Dear Professor Goodspeed:

I have a report by H.B.Foster about certain changes in the water systems at the Botanical Gardens, which reads as follows:

"In company with Mr. Mangold I made an inspection of the water supply and use of water at Botany Gardens in Strawberry Canyon. It had been reported by Dr. Goodspeed to Mr. Norton that there was fear of contamination of the water used at the Botany Gardens.

"1. It is suggested that the old tank above the parking space of the Botany Gardens be abandoned and the pipe connections to the former cottage and the other buildings below the tank be connected up directly with the two-inch main supplied from the veterinary tanks on the hill.

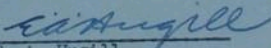
"2. It is proposed to use the 20,000-gallon tank above the Japanese Gardens for storage of water pumped from the creek and later used for irrigation in the Botany Gardens. This water would therefore be subject to contamination. This tank was formerly supplied by a pipe line extending up stream to an intake in the creek. This supply was discontinued several years ago. At the present time it is filled from the City supply by a pipe extending over the top controlled by a float valve and with an extension piece extending down into the tank. The riser pipe over the top of the tank should be raised and the extension piece be removed so there is free fall of the supply into the tank.

"3 The screen around the top of the tank should be repaired to keep out rodents.

"4. The tank should be repaired by tightening of the hoops and the painting of the hoops and staves."

A copy of this is being forwarded to members of the Committee on Campus Improvement Fund items for their consideration.

Very truly yours,


E. A. Hugill

EAH:S

cc-Provost Deutsch
Business Mgr. Norton

University of Toronto

TORONTO 5, CANADA

DEPARTMENT OF BOTANY

March 3, 1952.

The Curator,
University of California Botanical Garden,
BERKELEY, California,
U.S.A.

*Paul-adobe
no soap!
not in Bailey or our
list!*

Dear Sir:

We have had a request from a New Zealand correspondent for seeds of Iris tenuissima. It has been suggested to us that your gardens would be the most likely place where this species might be obtained. If you have seeds that you can spare for distribution we would appreciate it if you would forward them directly to:

Mrs. Jean Stevens,
Bastia Hill,
WANGANUI,
New Zealand.

Mrs. Steven's name must be known to you as an outstanding Iris hybridizer.

Yours very truly,

Kathleen L. Hull

KLH/DLD

K. L. Hull.

760-

Berkeley 4, California
July 7, 1952

Miss Kathleen L. Hull
Dept. of Botany
University of Toronto
Toronto 5, Canada

Dear Miss Hull:

In reply to your letter of March 3 I have been
unable to obtain any information locally concerning
Iris tenuissima requested by your New Zealand
correspondent.

Sincerely,

THG:T

October 6, 1958

Dr. Eric Hultén
Botanical Department
Swedish Museum of Natural History
Stockholm
Sweden

Dear Dr. Hultén:

Although my particular phytogeographical concern is with the vegetation of the southern hemisphere, your great work on amphi-Atlantic plants, recently received, has large interest for me.

May I congratulate you on your outstanding contribution?

With all good wishes,

Sincerely,

Professor of Botany and
Director of the Botanical Garden
Emeritus

THG:T

Berkeley 4, California
June 6, 1951

Mr. E. C. Hummel
4848 Imperial Highway
Inglewood, California

Dear Mr. Hummel:

Through Mr. Paul Hutchison, Botanist of this Botanical Garden, exchange of plant material with you has, with my approval, been under way for some time. I hope that this exchange has proved of value to you as it has to us.

In the last fifteen years I have directed five plant hunting expeditions in South America. We worked principally on the west coast and brought back to Berkeley large collections of scientific and other importance. These expeditions were largely financed by private individuals who gave money to the University of California for this purpose.

I propose to do more collecting this fall (September-January) in Chile and nearby parts of Peru and Argentina if I can secure the necessary funds. I want to take Mr. Hutchison with me in order to emphasize collecting of new or little known cacti and mapping of the cactus flora of western South America. We will operate mostly in areas which are unknown botanically or where no one has paid much attention to cacti.

We will collect herbarium specimens, living plants and seeds. All these collections will be the property of this University. Living plants and seeds will be grown in the Botanical Garden; surplus material if and when available, will be sent on request to other Botanical Gardens and to those financing the expedition.

For the last three months Mr. Hutchison has been compiling a list of localities where collecting should be important and I am sending him east in a few weeks to get more information in herbaria there. As a result we ought to be better prepared than anyone who has gone to Chile and adjacent regions in the past to select the most critical areas for cactus collecting. My long acquaintance with government officials and membership in scientific societies in Peru, Chile and Argentina will assure maximum local cooperation, something important in South America.

The cost of transportation to and from and in South America, of maintenance there, of hire of local assistants, guides and pack trains and of air express of living plants to Berkeley will total \$4800. I hope that you may wish to provide this sum or a substantial part of such donation will be received and acknowledged by the Regents of the University, will be expended only on my requisition and will be deductible from income tax.

Sincerely,

THG:T

2079 Life Sciences Building
University of California
Berkeley 4, California
October 7, 1954

Mr. E. C. Hummel
4848 Imperial Highway
Inglewood 2, California

Dear Mr. Hummel:

Mr. Marshall P. Madison of San Francisco is to be in southern California in the near future and is anxious to see you material. He is a friend of Paul Hutchison's and of mine who is interested in succulents and whose generous financial support has made possible recent numerous introductions of these plants by the Botanical Garden.

Paul has been closely associated with Mr. Madison in the development of plantings of succulents on his estate and intended to write you in the above connection. I am writing in the thought that he may have failed to do so in the last moment rush of preparing for his lecture tour in the east.

Any courtesies which you find it possible to extend to Mr. Madison will be much appreciated.

With best wishes,

Sincerely,

THG:T
c to Mr. Madison

IMPORTERS

HUMMEL'S EXOTIC GARDENS

EXPORTERS

NOVELTY PLANTS

"Business That Confidence Built"

4848 W. IMPERIAL HWY.

INGLEWOOD, CALIFORNIA

October 12, 54

Dr. T. H. Goodspeed
2079 Life Science Building
University of California
Berkeley, 4, Calif.

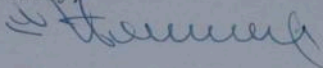
Dear Dr. Goodspeed:

In answer to yours of October 7th, we will be pleased to be of any assistance to Mr. Madison on his trip to southern California. We will show him any of the material at Inglewood in which he is interested and we trust time will allow him to visit our Palos Verdes home, where the material has been used for landscaping. At our Carlsbad location, where air and light conditions are much superior to Inglewood, he could see plants growing in the open ground.

We wish to take this opportunity to commend Paul on his advancement. Evidently your guidance is appreciated by him and we predict he will develop into an extraordinary botanist. Few have the enthusiasm and drive necessary to sustain such an effort. He has done a wonderful job for the "commercial man", even though some of his importations may seem minor to you. African material seems more adaptable to California's conditions than many. Many species need improvement that only new blood and introductions can supply.

Perhaps Paul, through his correspondence, could locate the much needed miniature *Strelitzia reginae*, something that would bloom in a four inch pot would be much in demand and not out of the question.

Sincerely,



2079 Life Sciences Building
University of California
Berkeley 4, California
October 14, 1954

Mr. E. C. Hummel
4848 W. Imperial Highway
Inglewood, California

Dear Mr. Hummel:

Thank you very much for your letter of October 12 and your kind suggestion that Mr. Madison see your material in Palos Verdes. He would, of course, be particularly interested in the use of succulents in landscaping.

I have today read the first paragraph of your letter of Mr. Madison and he expresses thanks and proposes, I believe, to telephone you in advance of his Southern California visit.

I agree with you that Paul is an unusually effective young man and I am happy to have been in a position to encourage his enthusiasms and attempt to direct them both botanically and horticulturally. He has unique appreciation of the significance for the professional botanist and the nurseryman of the material we grow.

Upon his return from the east I will call Paul's attention to the importance of obtaining the miniature Strelitzia reginae to which you refer.

With thanks, again, for your courtesy to Mr. Madison,

Sincerely,

THG:T

IMPORTERS

HUMMEL'S EXOTIC GARDENS

EXPORTERS

NOVELTY PLANTS

"Business That Confidence Built"

4848 W. IMPERIAL HWY.

INGLEWOOD, CALIFORNIA

file

October 26, 1954

Dr. T. H. Goodspeed
 2079 Life Science Building
 University of California
 Berkeley, 4, Calif.

Dear Dr. Goodspeed:

We write to thank you for the opportunity of a visit from your friend Mr. Madison and his Son-in-law. It is unusual to find two relatives equally interested in a subject and we enjoyed them very much. We believe they saw sufficient unusual material and associated ideas here to make them realize their contributions in the interest of succulent plants are well placed.

We are sending, in your care, a plant of *Aloe ferox*, in which Mr. Madison expressed interest. You may pass it on to him if compatible with your policy.

Yours Truly,

*Pa 16133**ECHummel mch.**Plant plant
to Madison**2930 Valjejo*

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11 BARTLETT STREET
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PLANTS & LABORATORIES
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SALES OFFICES
BROOKLYN
NEW YORK
CHICAGO
SAN FRANCISCO

September 8, 1950

Dr. Thomas H. Goodspeed
University of California
Berkeley, Calif.

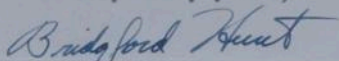
Dear Dr. Goodspeed:

Your name has been given to us for reference by Mr. John Boles, who has applied to this company for a position as a medical detailer.

We would appreciate any information you may be able to give us concerning Mr. Boles's general intelligence, character, personality, ability to cooperate with associates, and anything additional which may be of assistance in the consideration of his application. This information is for our use only and will be held in confidence.

Thank you for your cooperation in this matter.

Very truly yours,



Bridgford Hunt
Personnel Assistant

BH:EF
Enc.

October 10, 1950

Mr. Bridgford Hunt
Personnel Department
Charles Pfizer & Co., Inc.
11 Bartlett Street
Brooklyn, New York

Dear Mr. Hunt:

Acknowledgement of your letter concerning Mr. John Boles, dated September 6, has been delayed because of my absence in Europe.

I have known Mr. Boles for a number of years and have found him personable and quite intelligent. His University career was somewhat erratic due, in part, to his inability to decide where his particular interest lay and thus in which field to specialize. I am sure that he will cooperate well, and his initiative and intellectual capacity should make him an asset in any organization.

Sincerely yours,

MT:am

A.H.Hunter, 56 Windsor Road, Mansfield, Notts. England.
18 Sept 1951.

Dear Dr. Goodspeed,

I have read with great interest your book on "Plant Hunters in the Andes" and note on page 16 a reference to the trip by W.J.Eyerdam to Magellan Straits.

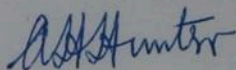
I resided at Puerto Sara from 1928 to 1935 and worked up a thesis on Sheep rearing in Patagonia. In it I incorporated some of the botanical work of the Princetown expedition of the early 1900s and some of Parodi. Since then there was a hurried botanical trip by Davies of the Grassland Station of England but he gave few detailed observations.

Could you please let me know if the southern trip has been written up in popular language and the title of the work. Particularly I would like references as to where I could find the botanical details of the trip so that I can bring my thesis up to date.

This letter is scarcely the place to mention that I am disposing of my library of works dealing especially with Patagonia (or the Argentine and Chilean parts thereof) but not on the botanical side. I have some rare editions, including the first ed. of the Voyage of the Beagle, Darwin's notes on Geology (set of 4 vol) etc. If you are interested I will send you a list.

Yours sincerely,

Dr. T.H.Goodspeed,
Dept of Botany,
Univ. of California,
Berkeley, Cal.,
U.S.A.



Berkeley 4, California
October 8, 1951

Dr. A. H. Hunter
56 Windsor Road
Mansfield
England

Dear Dr. Hunter:

Thank you for your letter of September 18.

No further popular account of my South American botanical work has been published. We have been there for considerable periods three times since my book was published. I am again starting for the west coast of South America in a few weeks to be down there three months.

Dr. Alan A. Beetle, who accompanied Eyerdam and Grondona on the Patagonian extension of my 1938-39 expedition has written a brief account of the phyto-geography of South Argetina in the Botanical Review, Vol. 9, #10, pp. 667-679, 1943. I think that it may be of some interest to you.

Sincerely,

THG:T

TELEPHONE: MANSFIELD 1536.

A. H. HUNTER, D.V.Sc., D.V.M. M.R.C.V.S., D.V.S.M.

INSPECTOR, ANIMAL HEALTH DIVISION,
MINISTRY OF AGRICULTURE AND FISHERIES.

56, WINDSOR ROAD,
MANSFIELD.

3-12-59.

ISAAC R. HUNTER

Principal Busstock and Gardens
DOWAGIAC, MICH.

Dr. T. Harper Goodspeed;
U. of Cal.

Dear Dr. Goodspeed:

I am doing some experimenting on ardean plants - economic plants. Am having some trouble getting seeds of some of these. am wondering if you can tell me where I can obtain seeds of *Oxalis tuberosum*, *Papa Lisa* (*Baellaceae*) *Ilacon* (Japan).

I do hope you can help me with this. If you can't perhaps you can tell me of a reliable party in Peru, who could do some seed collecting for me.

Thanks much,

Sincerely,

Isaac R. Hunter

Woytkowski

Casilla 5174

Miraflores

Lima

March 25, 1959

Mr. Isaac R. Hunter
Dowagiac, Michigan

Dear Mr. Hunter:

Concerning the South American species in which you are interested we, unfortunately, do not have living material to share with you.

I suggest that you write to Mr. Felix Woytkowski (Casilla, 5174, Miraflores, Lima, Peru) who is a commercial plant collector of long experience in Peru. You should explain to him exactly what you want (seeds, tubers?) and in what quantity. Seed would, of course, be most convenient since it can be sent by ordinary mail whereas tubers should go air mail and will doubtless, be inspected and fumigated at port of U.S. entry.

Mr. Woytkowski is thoroughly reliable and will give you an estimate in advance of collecting expense.

With best wishes,

Sincerely,

T. H. Goodspeed

THG:dn

to Monroe
Burdick.

Route 5, Box 135
C/O O. C. Hunter
Longview, Texas
Mar. 30, 1954

Univ. of Calif., Botanical Garden
Berkeley, Calif.
Gentlemen:

I am writing for information about a plant, that I once had. a coladium of the elephant ear type. The description: very large green leaves which grew upright. The leaves would be 18 in. wide. The plant grows in rich damp soil. The more water the larger the leaves would be. I look in my garden encyclopedia and found this description a Colocasia of the arum family. I been told that you could find this plant on the west coast. Please tell me where I can find this plant. I want to buy ^{one} thanks.
Yours, Malissa Hunter

Berkeley 4, California
April 29, 1954

Mrs. Missa Hunter
Longview, Texas

Dear Mrs. Hunter:

You are correct in saying that the plant you describe in your letter of March 30 is a Colecasia -- the name is C. esculentum. This is the tare of the South Seas islands; it grows as an escape along stream banks in Florida and is occasionally grown out-of-doors in Berkeley.

Frequently tubers of C. esculentum are to be found in the Ten Cent stores in this country and sometimes in the Spanish or Chinese sections of cities. If you cannot obtain one from such a source you might contact Wm. Trieker and Co. of Saddle River, New Jersey who I understand carry three different types: the plain green one, one with purple petioles and another with purple blotches on the leaves.

Trusting that this information may be of assistance,

Sincerely yours,

THG:T

Córdoba, mayo 2, 1949

Señor Prof. Dr. Th. H. Goodspeed
University of California
Life Sciences Building
BERKELEY, Cal.

Estimado Prof. Goodspeed:

Hoy le escribiré en castellano, pues temo no expresarme claramente si lo hago en inglés.

Nosotros llegamos a Buenos Aires a fines de febrero, después de un agradable viaje por mar, y poco después nos trasladamos a Córdoba; aún no he conseguido poner al día las muchas cosas atrasadas que tengo entre manos, pero tengo la esperanza de que poco a poco las iré haciendo. Es nuestro deseo que Ud. y señora se encuentren bien, como de costumbre; asimismo deseamos que el viaje por Sudamérica les haya resultado grato.

Hoy le escribo principalmente para plantearle el problema ante el cual me encuentro. Al llegar yo aquí, me encontré con los paquetes de libros que Ud. nos enviara, todos en perfecto estado, pues la señorita Thompson los embaló muy bien. Pero cuando el empleado confrontó la lista original que Ud. me diera, con los libros que aquí se recibieron, resulta que faltan los siguientes:

1. Who is who in America
2. Molina, Saggio (las dos ediciones)
3. Gay, Historia Física y política de Chile

Soy yo el primero en reconocer que, por el precio que pagamos, hemos recibido ya bastante. Pero lo malo del caso es que la lista original cuya figura en el expediente oficial por el cual se resolvió la compra, y, por lo tanto, yo no puedo informar al Decano de que hemos recibido todos los libros comprendidos originalmente en la compra. Espero, pues, sus noticias a la mayor brevedad posible.

También llegaron en muy buen estado los ejemplares de Nicotiana que el Dr. Hosseus le prestara hace tiempo.

Con los mejores saludos míos y de Elisabeth para Ud. y su señora esposa, me complazco en reiterarme siempre a sus órdenes.

Dr. Auguste

Museo Botánico de la
Facultad de Ciencias E. F. y Naturales
Avenida Vélez Sarsfield 249
CORDOBA -- (A r g e n t i n a) .-

May 25, 1949

AIR MAIL

Dr. A. T. Hunziker
Museo Botanico de la
Facultad de Ciencias E.F. y Naturales
Avenida Velez Sarsfield 249
Cordoba, Argentina

Dear Friend:

Thank you for your recent letter. I am glad that you had an agreeable return voyage and that you find all well in Cordoba. We enjoyed our fifth visit to South America very much indeed. The congress in Tucuman was important and pleasant. Following it we spent some weeks in Buenos Aires and were later the guests of the governments of Chile and Peru, arriving in Berkeley just before Christmas.

I am sorry that there was a misunderstanding concerning three items to which you refer in your letter. In the first case, "Who's Who in America," the book was apparently overlooked and will be sent immediately by parcel post. Concerning the volumes of Gay and of Molina, it was my understanding that you already had copies of these standard works on South American botany. Certainly I would not have been able to offer the price which I did if those books had been included. Since the volumes of Gay and of Molina alone are valued at a total of over \$250, U.S. However, I, of course, wish to avoid embarrassment to you and ~~the~~ Decano and in the circumstances will be willing to make the best adjustment possible. For example, I might make certain substitutions which would be acceptable, such as a 1645 edition of "Matthioli Dioscorides Illustrado." Please let me hear from you in this connection as soon as possible.

With every good wish to you and your senora from Mrs. Goodspeed and me and in the hope that you will present our greetings to Dr. Hosseus,

Cordially yours,

THG:am

Berkeley 4, California
September 26, 1949

Dr. A. T. Hunziker
Museo Botanico de la
Facultad de Ciencias E. F. y Naturales
Avenida Velez Sarsfield 249
Cordoba, Argentina

Dear Dr. Hunziker:

On May 25th I wrote you about an item which had been accidentally omitted from the shipment of books sent to Cordoba last fall and a suggested adjustment of the misunderstanding concerning another item referred to in your letter of May 2nd.

Although I have not received a reply from you I am sending, together with "Who's Who in America" (1946-47) and such numbers of the University Publications in Botany, Vols. 18 and 19, as are available, the 1645 edition of "Matthioli Dioscorides Illustrado" which I offered to substitute for the volumes of Gay.

I have also added Martinet's "Enumeracion de las Plantas," a volume descriptive of the condition of the Jardin Botanico de Lima some seventy years ago which should be of some interest to your institution.

Hoping that this shipment will reach you in good condition and with all good wishes

Cordially yours,

TEG:T



Museo Botánico de la

Facultad de Ciencias Exactas, Físicas y Naturales

Avenida Félix Sarsfield 289

Córdoba (Rep. Argentina)

Universidad Nacional de Córdoba

Córdoba, mayo 18, 1950

Señor Prof. Dr. T.H. Goodspeed
University of California
BERKELEY, USA
(Estados Unidos de Norteamérica)

Estimado Prof. Goodspeed:

Ruégole perdonarme por mi descortesía, al no responder oportunamente sus amables líneas del 26 de setiembre p.p. Su carta se me extravió entre unos papeles, y recién ahora la encuentro de casualidad; para peor, estuve ausente este verano con motivo de un largo viaje a la Antártida argentina --también Digilio participó en esta expedición -- de donde regresé enfermo de apendicitis, habiéndome restablecido hace muy poco.

Muchas gracias por los libros que tuvo a bien enviarnos el año pasado, y que completaron así el conjunto comprado por esta Facultad a Ud.; merced a su gentileza nuestra Biblioteca se enriqueció así notablemente con obras valiosas, compradas a un precio muy barato.

Facultad de Ciencias Exactas, Físicas y Naturales



Tanto mi señora como yo deseamos que Ud. y Mrs Goodspeed se encuentren en excelente estado de salud y gozando a esta altura de un magnífico fin de primavera.

Como siempre a sus órdenes, y agradeciéndole nuevamente su gentileza, complázcome en hacerle llegar los cordiales saludos de su siempre amigo.

Señor Prof. Dr. T. H. Goodspeed
University of California
BERKELEY, USA
(Estados Unidos de Norteamérica)

Nueva dirección postal particular: Casilla de Correo 23

Muchas gracias por los libros que tuvo a bien enviarme el año pasado, y que me complacieron al igual que tanto cambiado por esta facultad a Ud. me da a su gentileza nuestra. Dificultad se anticipó al notadamente con otras variaciones, como sea a un precio muy barato.

Vol. 18,

no ~~1~~, ~~2~~, ~~3~~, ~~4~~, 9, 10,

11, 12, 13, 14, ~~15~~,

missing.

MILLER SCHOOL OF BIOLOGY
UNIVERSITY OF VIRGINIA

CHARLOTTESVILLE, VA.

November 14, 1951

Dr. Thomas Harper Goodspeed
Department of Botany
University of California
Berkeley, California

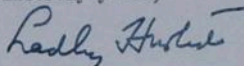
Dear Dr. Goodspeed:

Ivey F. Lewis, Miller Professor of Biology and Agriculture, University of Virginia, will retire at the close of the 1952-1953 academic year. A committee has been appointed by the President of the University to find a man qualified to fill the vacancy so created. This committee, the members of which are I. F. Lewis, O. E. White, B. D. Reynolds, and Ladley Husted, Chairman, seeks your advice and help.

A statement is enclosed outlining briefly the kind of man the committee considers best fitted to fill our needs. It is hoped that you can recommend to us an individual who in most respects approximates the type we consider desirable.

The salary of the Miller Professor is that of a Professor in the College of Arts and Sciences and the Graduate Department of this University. The present salary plan, in the process of being revised upward, provides \$6,000.00 yearly, increasing \$500.00 every two years until the maximum, \$7,500.00, is reached. Under certain circumstances a salary greater than \$7,500.00 may be arranged after automatic increases provide the maximum.

Sincerely yours,



Ladley Husted, Chairman
Miller School of Biology

LH/bw

Miller Professor of Biology and Agriculture

University of Virginia

Charlottesville

The individual best suited for the position available is:

A native born citizen of the United States or Canada between thirty and forty-five years of age; a man of integrity, of gentlemanly bearing, temperate in his personal habits, cooperative, and free of dissimulation; a man who commands the respect and affection of his colleagues, and has an appreciation of the Southerner's point of view.

He is expected to have the ability and personal qualifications to represent the University before the scientific and lay members of the Commonwealth. He should be a capable and stimulating teacher who is primarily interested in his subject and secondarily interested in the professorship he holds. Such a man is in good health and has a consistent record of published research of acceptable quality. He is expected to be a man of broad training who is interested in basic, non-medical biological problems that lend themselves to the experimental approach. This interest is expected to continue but should not preclude recognition of the value of purely descriptive taxonomic and morphological studies.

A man who has received his graduate training at an institution other than the University of Virginia is strongly preferred.

January 14, 1952

Prof. Ladley Husted, Chairman
Miller School of Biology
University of Virginia
Charlottesville, Va.

Dear Prof. Husted:

I regret that your letter of November 14, 1951 concerning the Miller Professorship has so long remained unacknowledged.

I have been considerably under the weather since before receipt of your letter. I had been told that this Department, following your letter of Dr. Constance, had discussed candidates and that Constance had written to you.

He has now shown me a copy of his letter. Of those whose names he suggested I am personally acquainted only with Dr. Wilson. He made a very distinct impression upon us during his period of research here and I believe that he is an exceptionally sound man who should be a useful and inspiring addition to any academic circle. Concerning members of the staff of this Department and graduates therefrom I agree with Constance that we cannot make a specific recommendation.

With best wishes,

Sincerely,

THG:T

MILLER SCHOOL OF BIOLOGY
UNIVERSITY OF VIRGINIA

CHARLOTTESVILLE, VA.

January 22, 1952

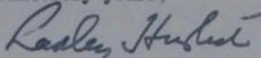
Dr. T. H. Goodspeed
Department of Botany
University of California
Berkeley 4, California

Dear Dr. Goodspeed:

I want to thank you for your recent letter suggesting Dr. Charles Wilson for the position available here in 1953. Dr. Wilson will be considered by the Committee on the Miller Professorship.

We are all sorry that you have been under the weather and hope that now you are much improved and on the road back.

Sincerely yours,



Ladley Husted, Chairman
Miller School of Biology

LH/bw

Berkeley 4, California
November 19, 1952

Prof. Ladley Husted
School of Biology
University of Virginia
Charlottesville, Virginia

Dear Dr. Husted:

May I express my interest in your consideration of Mr. Thomas R. Pray for a position with you and my conviction that he should be a distinct addition to any group concerned with the plant sciences.

Other members of this Department are more intimately acquainted with his career as a graduate student and instructor. However, I have seen enough of him to appreciate the basis for the regard in which he is held by my colleagues. I believe that his qualities of mind -- particularly his intellectual initiative -- *initiative* the character of his biological background and interests, and his personality argue for his success as a teacher and investigator.

Sincerely,

THG:T

Box 442

Woodward

Hort Brass Cal
Mar. 7, 1949.

J. H. Goodspeed
University of California
Berkeley 4, Calif.

Dear Sir:

Am very sorry that the ferns
were a failure.

I see by your letter that
you have been exploring
parties to the Andes. I
thought I would make
you a proposition. If
you could get me some
literature and make some
pictures of that country
I would send you the
woodwardias with out
any charge.

Respectfully yours
Guy B. Plinston.

March 16, 1949

Mr. Guy B. Huston
Box 442
Fort Bragg
Mendocino County
California

Dear Mr. Huston:

Thank you for your letter of March 7. We have had four expeditions since 1935 exploring for new and little known plants, principally on the West Coast of South America. I have been down there five times in the last fifteen years. In a few days I will send you a series of articles which have been written about our South American work together with photographs.

I appreciate very much your generosity in offering to supply the 200 clumps of woodwardia and would ask that you send them express collect to me at 2079 Life Sciences Building, University of California, Berkeley 4.

I have had the opportunity of mentioning to a number of persons, including nurserymen, your success in providing native ferns for gardens and estates and hope that in the future our friendship will prove to be of some value to you in a business way.

With thanks again for your generous offer and with best wishes,

Sincerely yours,

THG:am

April 7, 1949

Mr. Guy B. Huston
Box 442
Fort Bragg
California

Dear Mr. Huston:

On March 16 I wrote you concerning your proposal to send me 200 Woodwardia clumps in exchange for literature on our South American plant hunting expeditions. Since the ferns have not as yet arrived it occurs to me that perhaps you expected me first to send you the South American material.

I hope that it is not so late that if shipped the young fronds on the Woodwardias will be broken. In any case I am today mailing you a copy of Plant Hunters in the Andes which may be of interest to you. Please let me hear from you very soon concerning the ferns.

Sincerely,

THG:T

Forest Bragg Cal.

April 18-49

J.H. Goodspeed,
Berkeley Cal.

#7

Dear Sir:

I finally found some
Woodwardia that were very
near dormant on top of a
high Mountain that were
covered with snow most
of the winter. We shipped
them yesterday.

No I was not waiting
for you to send the
literature, it is a great
deal of work sometimes
to find ferns that are not
growing this time of year.

Respectfully

L. B. Houston

Scott Bragg Calif.
April 18-49.

J. H. Goodspeed
Berkeley Calif.
Dear Sir:

We received the Book and literature you sent and we are enjoying it very much.

I hope you received the ferns all right and that they do well for you.

I havnt read very much yet but I was wondering if there were many Trout and Lakes in The Ander Country, where you were,

We wish to thank you for everything.

Resp Yours
S. B. Huston

April 21, 1949

Mr. G. B. Huston
Fort Bragg
Mendocino County
California

Dear Friend:

Many thanks for the shipment of clumps of Woodwardia which arrived some days ago. I am putting them in cans and holding them here until they become established.

I hope that you received the copy of Plant Hunters in the Andes.

With thanks again and best wishes,

*Note added, reply in
letter of Apr. 18*

THG:jd

March 24, 1955

Mr. J. W. Hutchison
Supt. Grounds and Buildings

Dear Mr. Hutchison:

Confirming our recent conversation I am enclosing my suggestion for the sign at the entrance to the Botanical Garden. Copy of the existing, inadequate, sign is also enclosed.

I hope that the statement "Violations of these Rules and Regulations will be reported to the Campus Police" will be acceptable. I think it helps to indicate that the Botanical Garden is something more than a park or playground.

With appreciation of your interest and cooperation,

Sincerely,

THG T

RULES AND REGULATIONS

The
Botanical Garden Open
to the public from

9 AM to 4 PM daily

The removal of flowers, seeds, cuttings, etc.
IS STRICTLY PROHIBITED

Visitors are required to keep to paths;
No dogs allowed either on or off leash

UNIVERSITY OF CALIFORNIA
BOTANICAL GARDEN

T.H. Goodspeed
Director

Proposed sign

BOTANICAL GARDEN

DEPARTMENT OF BOTANY, UNIVERSITY OF CALIFORNIA

The plantings are maintained for teaching and research and the public is admitted only on condition that the following Rules and Regulations are strictly observed.

- 1) Removal of plants, flowers, seeds or cuttings and the handling of plants is prohibited.
- 2) No one is permitted to walk on the beds -- please keep to the paths.
- 3) Plant labels must not be removed for any reason.
- 4) Children must be accompanied at all times by a parent or guardian.
- 5) Sun bathing is prohibited and picnicking must be confined to the tables provided.
- 9) Dogs must not be brought inside the gates.

Violations of these Rules and Regulations will be reported to the Campus Police.

Hours: 9:00 - 4:00 daily, October through March; 9:00 - 5:00
April through September

March 30, 1955

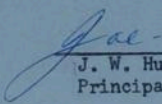
DR. T. H. GOODSPEED:

I have received your proposed wording for a new sign to be placed at the Botanical Gardens, and I can see no irregularities in this wording.

I have recopied your wording making two slight changes. In the first line I added, "in this garden". The hours I have placed in two lines.

I have had Captain Woodward of our Police Department review this wording, and he concurs that it is perfectly legal.

It would seem to me that you, as Director of the Garden, would have authority to authorize the posting of this sign as worded. I am enclosing three copies, and if you are in agreement would you please approve two of the copies and return to me, and I will have the sign painted and erected without cost to your budgets.



J. W. Hutchison
Principal Superintendent

JWH:dh

Enc.

BOTANICAL GARDEN

DEPARTMENT OF BOTANY, UNIVERSITY OF CALIFORNIA

THE PLANTINGS IN THIS GARDEN ARE MAINTAINED FOR TEACHING AND RESEARCH AND THE PUBLIC IS ADMITTED ONLY ON CONDITION THAT THE FOLLOWING RULES AND REGULATIONS ARE STRICTLY OBSERVED.

- 1) REMOVAL OF PLANTS, FLOWERS, SEEDS OR CUTTINGS AND THE HANDLING OF PLANTS IS PROHIBITED.
- 2) NO ONE IS PERMITTED TO WALK ON THE BEDS -- PLEASE KEEP TO THE PATHS.
- 3) PLANT LABELS MUST NOT BE REMOVED FOR ANY REASON.
- 4) CHILDREN MUST BE ACCOMPANIED AT ALL TIMES BY A PARENT OR GUARDIAN.
- 5) SUN BATHING IS PROHIBITED AND PICNICKING MUST BE CONFINED TO THE TABLES PROVIDED.
- 6) DOGS MUST NOT BE BROUGHT INSIDE THE GATES.

VIOLATIONS OF THESE RULES AND REGULATIONS WILL BE REPORTED TO THE CAMPUS POLICE.

HOURS: 9:00 - 4:00 DAILY, OCTOBER THROUGH MARCH
9:00 - 5:00 DAILY, APRIL THROUGH SEPTEMBER

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Present sign

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UNIVERSITY OF CALIFORNIA
BOTANICAL GARDEN

T.H.Goodspeed
Director

PROPOSED
SIGN

BOTANICAL GARDEN

DEPARTMENT OF BOTANY, UNIVERSITY OF CALIFORNIA

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Hours: 9:00 - 4:00 daily, October through March; 9:00 - 5:00 April through September

May 6, 1955

Mr. J. W. Hutchison
Superintendent of Grounds
and Buildings
Campus

Dear Mr. Hutchison:

The soil at the Botanical Garden is now in good condition for the annual bulldozing of fire breaks and roads.

We would appreciate having the work done as soon as convenient as a charge to fund assigned to Botanical Garden for fire protection.

With much appreciation of your sustained cooperation

Cordially,

MEMORANDUM

To Mr. J. W. Hutchison
Grounds and Buildings

Date 12/22/55

Dear Mr. Hutchison:

The traffic hapard at the entrance to the Botanical Garden is rather serious.

Would it be possible to have a "Stop" sign installed at the Garden gate for cars leaving the Garden and "Slow" or "Caution" signs above and below the gate?

Sincerely

Botanical Garden

Name of department.....

Berkeley..... Campus

Signed.....

June 28, 1956

Mr. J. W. Hutchison
Grounds and Buildings

Dear Mr. Hutchison:

Confirming telephone conversation I will very much appreciate the preparation of four signs warning the public of the rattlesnake hazard in the Botanical Garden.

These signs should be approximately 9" x 12", worded as follows:

Warning -- rattlesnakes are at times found
in the Botanical Garden

If the signs can be prepared on plywood or similar material Mr. Dutton will attach a stake which will be based in a small block of concrete which can be moved from place to place as required.

At present two temporary signs are in place at the entrances to the Garden proper.

With thanks for your cooperation,

Cordially,

THG:T

2089 Life Sciences B1g
September 4, 1957

Mr. Joseph W. Hutchison
Grounds and Buildings
Campus

Dear Joe:

Next week the new Director of the Botanical Garden, Dr. Herbert G. Baker, will take over from me and my active connection with the administration of the Garden will end.

I am writing this to you personally to express my sincere gratitude for your generous and gracious cooperation with me and with Bob.

With the exception of Bill Norton, there has been no one in the administration, over the many years that I have had the Garden in charge, who has been as understanding as you have of the problems I have had to meet nor has there been anyone, except Bill, who has advised me and helped me without requiring the usual administrative formalities. In other words, there are few people on the Campus for whom I have a warmer personal regard.

We are leaving late this month for six months botanizing in South America. Thereafter I shall be about the University for a year or two at least and will look forward to seeing you.

With much appreciation and every good wish,

Cordially,

THG:T
c Bob Dutton

UNIVERSITY OF CALIFORNIA
BOTANICAL GARDEN EXPEDITIONS TO THE ANDES

DIRECTOR
T. H. GOODSPEED

2089 Life Sciences Bldg.
University of California
Berkeley 4, California
July 1, 1957

TO WHOM IT MAY CONCERN

The bearer, Mr. Paul C. Hutchison, Senior Botanical Garden Botanist, of Berkeley, California, U. S. A., is a member of the Sixth University of California Botanical Garden Expedition.

He is authorized by me to accept in my name the delivery of a Ford truck and its contents carried by Grace Line "Santa Adela" arriving in Callao, Peru, on or about August 1, 1957, with Carnet de Passages en Douanes #D245182.

I will appreciate any courtesies extended to Mr. Hutchison and to his assistant, Mr. William H. Marshall of Berkeley, California, U. S. A.

T.H.Goodspeed

Professor of Botany and

Director, Sixth University of
California Botanical Garden
Expedition

Signatures

Paul C. Hutchison

William H. Marshall

UNIVERSITY OF CALIFORNIA
BOTANICAL GARDEN EXPEDITIONS TO THE ANDES

DIRECTOR
T. H. GOODSPEED

2089 Life Sciences Bldg.
Universidad de California
Berkeley 4, California
1^o de julio de 1957

A QUIEN CORRESPONDA

El portador, Sr. Paul C. Hutchison, Botánico Mayor del Jardín Botánico de Berkeley, California, E.E.U.U., es un miembro de la Sexta Expedición del Jardín Botánico de la Universidad de California.

✓ El está autorizado por mí de recibir en mi nombre un camión Ford y su contenido, camión éste que es transportado por el buque "Santa Adela" de la Grace Line, y que ha de arribar en el puerto de Callao, Perú, alrededor del 1^o de agosto de 1957, con Carnet de Passages en Douanes No. D245182.

He de apreciar se extiendan al Sr. Hutchison y a su asistente, Sr. William H. Marshall de Berkeley, California, E.E.U.U., todas las consideraciones posibles.

T. H. Goodspeed

Profesor de Botánica y Director,
Sexta Expedición del Jardín
Botánico de la Universidad de
California

Firmado

Paul C. Hutchison

William H. Marshall

2089 Life Sciences Bldg.
Universidad de California
Berkeley 4, California
1º de julio de 1957

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T. H. Goodspeed

Profesor de Botánica y Director,
Sexta Expedición del Jardín
Botánico de la Universidad de
California

Firmado

Paul C. Hutchison

William H. Marshall

OH - Could you give
me a Spanish translation
of this?

2089 Life Sciences Bldg.
University of California
Berkeley 4, California
July 1, 1957

TJB

TO WHOM IT MAY CONCERN

The bearer, Mr. Paul C. Hutchison, Senior Botanical Garden Botanist, of Berkeley, California, U. S. A., is a member of the Sixth University of California Botanical Garden Expedition.

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I will appreciate any courtesies extended to Mr. Hutchison and to his assistant, Mr. William H. Marshall of Berkeley, California, U. S. A.

T.H. Goodspeed

Professor of Botany and

Director, Sixth University of
California Botanical Garden
Expedition

Signatures

Paul C. Hutchison

William H. Marshall

8/5/57
Dear Paul: - yours of the 31st to hand this
morning. Glad that it looks as though you
would get the truck in record time.

I am on the point of asking Kerve to
write an appreciation (prepared by me) to
Grace covering their long sustained assistance.
Your proposed commendation of members
of Linnæ effect could be incorporated in
Kerve's letter or sent separately.

Note the method of sending you
small items via diplomatic pouch and
that you are stocking canned goods, etc
according to Taylor's advice. Doubtless a
good idea if nothing more than to suppress
the food you can get along the way. See
Taylor's reaction to the possibility of bowel
infections, mentioning that only one of
five N. Americans on previous expeditions
who lived entirely on its country (Peru)
had any such difficulty. He was convinced
that the source was infected glass or
table ware - something to remember.

(2)

If your pension at £ 165.4⁰⁰ does not include meals I was badly misinformed as living costs in Peru. Recent letter from Reed indicates that my Chilean estimate was not too far off.

Note that you meet Taylor's assistant at Moyabamba on the 27th. I presume you will work the Jaru area thereafter since you may want to spend considerable time there. Hope you cross the Marañon successfully & that the road as far as Moyabamba is open.

Imagine that the Puna valley to and beyond Chivica is always very dry. From heat and up there should be vegetation.

Has anything more been said about Taylor wanting the truck - perhaps he won't know until after his return to Calif.

Envelope of enclosed requested that it be forwarded to you in Peru.

Mildred on vacation this week. Nothing much new here. Glad the cold is on the way out.

Yours ever

2089 LSB
July 23, 1957

Dear Paul:

At this date you must be approximately two-thirds of the way toward the Peruvian adventure. We hope that all has gone according to schedule plus sufficient relaxation along the way.

Enclosed is a reprint from van der Walle which may have some interest.

An accident and health policy in your name was finally issued at standard rates. The policy number is LL-60920. As you know we are holding both your and Bill's policies (Bill's is LL-60913). You pay all medical bills and then secure reimbursement. Presumably a statement from attending physician or from a hospital with receipted bill will be accepted as sufficient proof of injury or other disability.

Am sure that all will go well but will be anxious to hear how successful your various documents prove to be in getting truck and contents out of the Aduana.

Very best of luck.

Cordially,

THG:T

Hi--Friend! Hope you're having a glorious trip -- without too much on your mind.

The fish seem happy and well adjusted -- and I'm enjoying them. Only one casualty, one large Scalare, so far.

Best to Bill as well as to you.

Love,



July 27, 1958
Saturday

GRAN HOTEL BOLIVAR

LIMA - PERU

Dear D.

We arrived very late last nite to find Lima, as expected, in the middle of its biggest annual holiday. Today (Saturday), Sunday, Monday & Tuesday everything is closed except the post office. After 4 phone calls to Grace - as item A on the list, we finally about gave up. Woll was not in & everyone else said that no information on the sta. Adela could be given out. Finally Bill suggested trying to get Woll's secretary. We found her in the office even tho Grace was closed - Señorita Reyes - she was beautiful, terrifically efficient, and wonderfully helpful. The Adela arrives a 6 A.M. Sunday & the truck will be locked up in a Grace warehouse until Wednesday a.m. (Aduana also is closed.) at 8:30 a.m. that morning Bill & I will go to Grace & pick up a broker - then to Callao for the battle. I'll hope to have the truck by Wednesday nite.

Problem B. Lodging. As you see from the stationary we aren't where we wanted to be. All 2nd class hotels in Lima are full - & all 1st class but the Bolivar were full. We took a look at one third class & moved into the Bolivar. Its ~~the~~ wrecking our finances - which otherwise, up to arrival here, have been good. The U.S. Consulate closed, the school at La Molina & the University closed, Ferreyra not in phone book - no contacts till Wednesday. We will keep trying for a

able BOLIVARCO



GRAN HOTEL BOLIVAR

LIMA - PERU

Cheaper hotel to until Wednesday - and also for a pension
 Rates here are \$5/day each, same as the new Maury
 (which I visited today - really beautiful). Meanwhile we're
 our names in at the Hotel Wilson 2 blocks from
 here, where rooms are half as much.

Tingo Maria has no phone service. Faucett has
 no space available until Aug 7. Hence could not contact
 Taylor - and the US Consulate, where he was to have
 today but as of now (midnite) no reply.

We contacted ~~to~~ Bill's contact, or rather the father -
 and are now set up for a base in Cord. Luján just beyond
 Tingo Maria ~~and~~ at Canite to the south of Lima 100 km -
 both very large haciendas.

Tomorrow will work on notebooks + financial reports.
 Wednesday - if I can get away from Callao - have visits
 to make to Nat. City Bank, Ferrera, + La Molina. Presuming
 Taylor suggests I go on to Tingo, I will not be heading
 north for a least 2 or 3 weeks. Best address me to
 Consulate as I certainly won't be here longer than
 I have to.

Lima is bound in fog + I'm therefore hopeful
 there will be some Lima vegetation. Am fairly bursting
 to get out to see.

Cables: "BOLIVARCO"



GRAN HOTEL BOLIVAR

LIMA - PERU

Our stops enroute here proved fruitful in respect future field work in Peru - as we met many Peruvians & thus acquired new & good contacts scattered around. One at ~~Quiravilca~~ Quiravilca, Dept de Libertad a good base for a day or 2, & several others in the south, none in the north. (beyond Libertad) Data acquired today verifies arrival of rains in interior by December. Roads unpredictably negotiable thereafter, hence the proposed itinerary to north as 1st major ~~target~~ target & interior routing to Ayco as 2nd target is correct sequence. For this only Aug-Sept. & Oct. are available for sure as rain has sometimes hit as early as November 1. After Tingo Maria & the Tamac Canyon I'll report a detailed proposed itinerary for Target A - which is the Jaen Chachapoyas region.

Hello to everyone. We are both well except I've the start of a Lima cold - typical of 1st days in Peru from all I'm told. Anyway tomorrow I can loaf as there doesn't seem to be much else I can do.

As ever.

Paul.

Cables: "BOLIVARCO"

2089 Life Sciences Bldg.

July 31, 1957

Dear Paul:

Yours of 27th arrived this morning -- apparently you mailed it the next day and that means pretty fast time Lima-Berkeley.

Interesting that the Adela made such a relatively rapid trip. I see no reason why, with all your documents, you should have much trouble at the Aduana. The instructions to the Supt. of Aduana signed by Pres. Prado copy of which I hope you will have received in time, should do the business if Garcia-Rada's don't.

Don't remember to have been in Lima at big Fiesta time. Apparently it's the people from the country that fill the hotels. Should you have time to do so please inquire at Maury (also Bolivar) if there are weekly rates for double rooms and whether the Maury still has pension rates (room and board) by week or month and, if so, how much.

Am enclosing copy of a remarkably nice letter from Agricultural Attache in Lima Embassy. Did not expect any acknowledgment at all of my letter to Consulate re mail, etc. Perhaps my Collaboratorship USDA may have made a difference. Note the suggestion re addressing mail in his care. We gave your Mother that address. You might determine whether you should inquire for mail at Day's office as well as at Consulate -- probably everything will go into the Consulate pigeon-hole.

Have asked Woytkowski to try to find you. He has just written that you had not arrived at Maury. His address is Francisco Zela 1067 "L", Lima. He might be of some help to Taylor and I remember that Taylor asked for his address.

Glad that your journey south was agreeable and provided some useful contacts. You refer to one at Canete which reminds me that the head of a private cotton experiment station (Estacion Exper. Agricola, Casilla 37) there is an old friend, Ing. Agr. Teodoro Boza Barducci. He has been in this country, including Berkeley, a number of times and would be useful if needed.

Hope the "Lima cold" which I know all too well, does not hang on.

Lots of good luck.

Ever yours,

THG:T

HOTEL PAN-AMERICANO

EN NICARAGUA SU HOGAR

Unico Hotel de precio medío. 4 a 7 Dólares.
(Incluyendo Alimentación)

Habitaciones con baños privados
Algunas con balcones a la calle y vista al Lago.

Cocina Nacional y Extranjera — Telef. 47-65
MANAGUA, NICARAGUA, C. A.



Letter #2

July 31, 1957
Lima, Peru

Dear Dr.,
We have begun with Adriana. Grace has been wonderful to us & on completion I will write a letter commending in particular those most helpful to us. Even Embassy cars generally take 3 days to a week & we expect to have the truck by noon tomorrow — 36 hrs. Our brokers are Hermance Navarro & working beautifully thru the fantastic maze of red tape — they have 3 men working on it. Fees of 18% & fixed clearance fee by govt / applies even to ~~the~~ embassy vehicles of probably around \$50. + \$15 for the 24 hour guard on the truck. ~~in~~ damage enroute. Total costs \$75 to \$100 probably.

Address packages of under 2 pounds as follows (for diplomatic pouch service):

Mr. Burl Stugard
Foreign Agricultural Service
USDA
Washington 25, D.C.

Attention: George H. Day [PCH], Lima, Peru
Official Business

This for any items you may send of urgency, or which I may request. Your appointment by USDA helped here tremendously. We will return all film by diplomatic pouch also.

We are in a pension at \$4/day each. All hotels are more — and in field, from what Dr Taylor says, also more. Unless we camp out the maintenance of Marshall @ \$3/day, looks totally impossible. Am stocking canned goods in truck on Taylor's advice to avoid diarrhea & dangers of antibiotic which he says can in no other way be avoided — also to increase mobility & reduce costs of maintenance. Exchange here is \$8.55/col/\$1.00 for checks, ~~to~~ & slightly over 19 for cash.

Mr Day at the embassy (Agricultural Attaché I think) has been extremely helpful. Taylor spent evening here tonight & thinks we point ~~in~~ making Trigo Maria trip now — his bags are in north. So will

To you — please forward to S.F. office ??

HOTEL PAN-AMERICANO

EN NICARAGUA SU HOGAR

Unico Hotel de precio medio: 4 a 7 Dólares
(Incluyendo Alimentación)

Habitaciones con baños privados
Algunas con balcones a la calle y vista al Lago.

Cocina Nacional y Extranjera — Telef. 47-65

MANAGUA, NICARAGUA, C. A.



struck out for Trujillo first thing, after 1 or 2 trial runs in truck up the finca as far as Oroja. (Also testing Bill's susceptibility to soroche). Then to Chachapoyas + Mayabamba, where, on Aug 22 I will meet Taylor & assistants as they come out & get their wife on Chondodendron. Taylor has made wonderful contacts.

Postponing Tenge trip has additional advantage that our host at the Hacienda in Cord. Lique can go with us. Probably 1st thing in September, if I get back from north in time. I figure about 4 weeks on this first junket to Mayabamba, with the side trips to Juv.

Yesterday as guest went as far as Chosica. The hills are hopelessly dry even though the fog is now in. I would guess that there will be no coastal low-altitude collecting for at least 3 mos.

My cold broke last night & am on way back now to tomorrow - as soon as truck is in my hands. Have not yet seen Ferreira or been to La Molina. Probably

We have been extremely lucky on our contacts - met the Minister of Finance yesterday & if our worry about unlisted items in truck (150 rolls Kodachrome, 20,000 black & white negs & much else) is realized, we hope to have his further intercession. Otherwise all well here.

As ever,

Paul

Dear Dr.,

Yours of 31st arrived in 2 days, but delayed 3 more as I didn't get into embassy. We got the truck in 36 hrs---apparently an all time record here. Special thanks are due Mr. Davey and Mr. Woll at the Lima office of Grace, and Mr. Goodman at Callao. Hermanos Navarro in Callao handled the red tape at a commission of 10%, something like 6 or 7 dollars, and Bill said they had three men on the job almost full time. Bill followed the whole procedure. The guard on the truck cost about \$15 for the four days, but Bill talked Goodman into cutting that charge in half. We found the lock on the back door of the truck in very bad shape (in spite of guard). It took 2 days to find a way of repairing it. When it came to final analysis of contents we were missing one canteen and two pairs of gloves---strangely enough nothing else seems to be gone---or at least I haven't missed anything yet. There is no ~~xxxx~~ way of determining when or where these items disappeared. My conversation with Mr. Day affirmed your remarks about his cooperation. Actually it is a considerable inconvenience to have to go to the consulate for mail. We have decided to always headquarter in the Pension Astoria, 2798 Av. Arequipa, ~~xxxx~~ San Isidro, Lima, Peru, and I would much prefer receiving rush mail there---as that is where I will always stop first when I get into Lima. You should consider this place too---it is luxurious by our standards and maximum rates are \$80 soles per day for one---when we moved in we had to take the best room as all others were full; now we are in a lesser one. The Maury advertises rooms at \$8.00 US per day single without meals---we will check on other details for you. Bill is phoning now. I have been in the new Maury and it is beautiful and very modern. The only thing I recognized were the faces (same staff and management) and the fantastic mirror which used to hang in the dining room. The hotel still maintains its prestige for its bar and cuisine.

Pension Astoria is run by a retired (semi) American engineer and his Peruvian wife. Nearly all people here are from US or foreign countries, many United Nations and Point 4 people. We have made good contacts and met many persons and more, it is a comfortable home. It is about the only place in Lima where you can eat anything. Flash---Bill just phoned the Maury for me, the rates are \$160 a day for room for two by day or week, \$140 for a month. Meals \$80 each per day whether by day, week or month. So ~~xxxxxxxx~~ pension there by day would be \$16.00 US and you would save \$1.00 a day on monthly rates. Here the maximum rate for two is \$8.00 per day. By reserving in advance you can get a two room suite (the one we had on arrival) with outside garden entrance. There is a pool and tennis court. Food is good, but of course does not compare to Maury. I would suggest you consider it anyway, and then eat out occasionally if you want to splurge.

Major expenses to date: \$1683 to get the truck; \$450 for maps; \$250 for removal of truck from sand(see below); about \$1500 on food and supplies. We erred in not bringing canned food. It costs about twice as much here, except for canned tuna and Argentine beef.

I would like to have at least 500 more blotters, if herbarium can supply same and you can bring them. Have been to Loma de Atacongo with Ferreyra and within five minutes suffered a bad sprain of left ankle. By that night could not walk on it. Next day could hobble, and now O.K. Aug. 4 we went to Trapiche (km. 40 on Canta Road) and took a side road up a canyon for about 25 km. There we collected all day and got stuck in ~~xxxx~~ sand---had to walk 25 km. back to Trapiche and come out next day to remove truck as we could get no labor that late at night (it was 9 PM by time we got to Trapiche). It was a rather rough walk as my ankle had no fully recovered. However, with two men helping to rock it we got it out in five minutes the next day, and then stayed on to collect all day with help of a local farmer (cost \$20 soles) who greatly facilitated the rate of collecting. I found Neoraimondia in flower and fruit and although not satisfied with the material, was pleased to have the first collections of this very valuable material. 40 numbers taken, and about 350 specimens in all I think, although I haven't bothered to count. Meanwhile Bill developed a bad cold while mine had waned, and now he is recovering and mine is very bad again---sinuses affected. Can't seem to shake it. About half the people in Lima have colds now. Visited Garcia-Rada yesterday and several others. He apparently expects a set of specimens from.

my collecting---why I don't know. The herbarium at La Molina since Ferreyra left is a shambles. The only research herbarium in Lima is at San Marcos (some 80,000 specimens, and in use) whereas at La Molina there are about 12,000 (5,000 of them duplicates of ~~La Molina's~~ Ferreyra collections at San Marcos). Apart from the Weberbauer collections the stuff there is not worth much, and I much prefer the idea of having the set for Peru kept at San Marcos, which is the institution with which our herbarium has permanent exchange relationships and from whom we have so far received all our help. However when Rada mentioned ~~me~~ the set I of course said "yes" without blinking an eye. I am very sure he won't know the difference if they get 100 or 1000 numbers. Particularly if he is told that I am collecting cacti primarily. Met Woytkowski the same day at La Molina. He had left his card at the Pension but hadn't had a chance to look him up. Much valuable info from him mostly confirming what I had in my notes (which I was glad for). He and an Indian assistant will accompany Bill & I this Friday for a 4-6 day trip to Tarma-LaMerced, the Chanchamayo valley region. We will pool efforts to collect some cacti there, and whatever else shows. With four of us we should have good collecting. I am somewhat worried about crossing the pass with this cold, but have been sitting around here long enough. Through Tony Rivero we will have letters to all Agricultural Stations in Peru. This will prove especially useful in north, where I find it unlikely that I can take my truck into Chachapoyas and beyond. If I fly in there then the Peruvian govt. will provide assistance and transport via its Ag. stations. The letters from the Minister of Agriculture, who is Tony's cousin. Also now have a letter for a Hacienda at Cajamarca (through someone here at the Pension) and Woytkowski thinks we will be put up at a Hacienda at La Romilda near La Merced (one Sr. Ernesto Schutz, the owner). I expect to be back in Lima on or about the 14th August, and will immediately take off for the south coast---change of plans.. There were rains in Arequipa-Moquegua two months ago and one of those fantastic desert floras is about at its peak. According to Ferreyra they were heavy rains. He may go with us---not certain yet, as I may not want to return to Lima directly in 7 days, which is about as long as he can be away. It is a three day trip! Today went to Chosica with Felix to look at his bot. garden there at the new Ag. school. Nice setting, but difficulties he faces are great. Cacti should do well! Then scouted up canyon to 1500 meters alt. at about km. 61. It is bone dry, late summer. I expect collecting on top will be good now. Came home and slept all afternoon. Am using Kleenex at a great rate, at 15 soles a box, which bothers my Scotch blood! Gas is only about 10 soles a gallon---a real break on estimated car expenses which may cover the higher per diem anticipated. However have had to buy tools for car as Ray did not provide same. Cheaper here, actually, German tools. Bill says he will buy them from us when this is all over.

If you can do so bring:

500 blotters

10 or more straps (Ski Hut at \$1.00 each), the wide ones, these are excellent trade items. We can get labor for one day in exchange for same.

Small vials with screw tops, liquid proof, for cytological preps

Mailing tubes.

My first collection was *Nicotiana paniculata*---first time I have seen it in the wild. Want any seed? Except for cold all well here. Lima errands still not done, but the obligations at least taken care of. Bill and I work well as a team in the field and he has proven invaluable here in town also. I can send him off on routines while I am at Musam working on notebooks and specimens. Ferreyra had made over 100 collections of cacti since I was here last, quite good ones too. What is your sailing date?

Best, as ever,

Paul

P.

2089 LSB
August 15, 1957

Dear Paul:

Yours (#3) of the 7th awaited my return from Calistoga on the 13th. I judge that you will not receive this until you return from Arequipa-Moquegua. I note this change of plan which is a little hard to understand because it would seem that if there have been heavy rains in the south there must also have been rain on the north coast which should be important for cacti in flower, etc. However, you are on the spot and apparently are getting the information you need via Ferreyra and Felix. Also, the fact that you doubt being able to get the truck to Chachapoyas and beyond may have altered the basic plan to go north first.

Thanks for rates at Maury and your pension, the latter sounding like a very nice place. The only difficulty about San Isidro is transportation but at that a couple of round trips per day by taxi to the Centrum wouldn't make such a hole in the \$8.00 US difference between Maury and Pension. Best, perhaps, to stay a few days at Maury and decide thereafter.

Note your request for more felts, straps, vials and mailing tubes. Grace and Co. has not yet given me a decision about transshipping our baggage at Panama. Our connection by sea at Panama is too close for comfort and we have reservations to fly Panama-Lima if we miss connection. That would mean that our heavy baggage would have to stay Panama for a week before the next steamer NY-West coast could pick it up. However, am sure that such an arrangement can be made.

You will, of course, alert Mildred by air mail as much in advance as possible each time you send anything by air express.

Enclosed data from Paul G. Smith, Assoc. Prof. Vegetable Crops, Davis. He is doing taxonomy as well as breeding of Capsicum and hopes sometime to be able to go to Central and South America to collect. I said we would be on the lookout for what appear to be native Capsicum species. He wants seeds. Herbarium specimens of value only if accompanied by notes on flower color especially. You might have this in mind and do what you can for him.

Your collecting to the date of your letter apparently satisfied you. Interesting that you find Felix useful as indicated by the joint expedition to Chanchamayo area. Please brief me on the desirability of my employing Felix after arrival in Lima to make some relatively short and specific collecting trips for, perhaps, orchids or to cover small areas potentially important for cacti, fuchsias or something else -- i.e., areas not convenient on your schedule. How is he physically, temperamentally, etc.? I have a feeling that if he is in relatively good shape and if I am on the ground to oversee him and to ship the plants he gets he may be very useful. When I have employed him in the past I was never on hand to straighten out his perturbations and

the problems of transport, assistance and official frustrations.

Glad you have accumulated some valuable contacts at Agricultural Experiment Stations, places to stay in the north, etc.

Apparently you had no difficulty in getting your film, etc, through the Aduana. Shall I write to Grace and Co. here about cooperation from Davey, Woll and Goodman or have you done so?

Our sailing date is now September 27 to arrive Lima about October 15th or about a week earlier if we fly Panama-Lima.

Baker's plans have changed and he probably will fly from New York shortly after his August 22 arrival there, to attend biological meetings at Stanford and appear here about September 1 rather than September 15 as earlier scheduled.

Gene's mother died, quite unexpectedly, ten days ago. He went south but is back at work again. He appears to have everything under control.

Yours, as ever,

THG:T

P.S. Enclosed a letter to you from Hans Lembke. I have written him, copy enclosed. Perhaps he will be interested himself.

ral Peru they are very early yet, and as it has been a dry year, not very luxuriant. In north the torrential rains in Tumbes had apparently little effect on the vegetations, like the effect in the south. The lomas from Nazca south are at a peak unlike any seen anywhere in Peru. Although coastal cacti are not flowering it seemed to me to be more important to collect these, intensively than to attempt any other objective. For one thing it is a once in a lifetime opportunity---for another there is the Umbell objective which can be more than satisfied, for a third, apart from jungle collecting, and ignoring the possibilities of collecting sterile specimens of cacti (plus living plants), there seems no better ground to work at present. The Chachamayo trip was purposely taken to delay the trip south to this time so as to hit the lomas at peak, from Nazca to Chala. I can also do initial scouting on cactus distribution and get some sterile herbarium material, with a follow up in Nov-Dec. of flowers and fruit on my return from Puno-Arequipa via the interior route to Cuzco. As I see it now things line up as follows:

1. Aug -Sept. 10; the south coast, primarily Lomas, to the Chilean border
2. Sept. 15-Oct. 15, the north to Jaen, Bellavista, Cajamarca, the Huaraz area.
3. Oct. 15-Nov. 7, the interior route to Cuzco, with collecting from Cuzco for some time.
4. Nov. 7-15, Cuzco-Puno with the side-trip to Sandia.
5. Nov. 15-Dec. 1, to Cochabamba, Bolivia
6. Dec. 1-Dec. 31, Puno to Arequipa and southern Peru, including the Coracora mountains.

This is all approximation of course but I would like your reactions and criticisms. We are faced with the problem of not being able to do much on cacti until November and then of not being able to be everywhere at once. I had to plan on either visiting areas twice or to cover as much ground as possible and count to some extent on seed and living material for later collection. The decision to concentrate on Nov-Dec. collecting in south is primarily dictated by fact that those genera most unlikely to produce flowers in culture are largely those of the south---as well as the fact of several unresolved taxonomic problems at generic level being of species of that area. Again I considered ruling Bolivia out, but decided in favor instead because of same considerations. Bolivia is the source of several lines (the Borzicactus line for example, and Cleistocactus and possibly Oreocereus and Trichocereus) which ramify in Peru. With Cardenas's help in a week in the field I should be able to get much data and herb. material (he says Nov. is month for flowers and seed for cacti in Cochabamba area), and to clarify somewhat appropriate generic treatment for Peruvian species.

Will be sending nothing by air or surface for at least a month. Orchids and ferns will keep here at the Pension, in the garden. Cacti at Chosica. I think you should be here to help make final decision on what to send to Berkeley. Stuff can carry meanwhile. Also can't afford air-shipment right now. We are really tightly budgeted.

The TRUCK! Ford 6-cylinder cars unknown in Peru for last five years. No replacement parts available. Only 8's here. All 1957 Ford trucks have bad radiators. From the first day we have had trouble with our radiator, and luckily nothing else. The volume is too small, pressure builds up, and with the help of these roads, seems split. We have had three radiator repair jobs. The decision to go to Chachamayo then south partly based on desire to test truck more completely before undertaking the very rigorous trip inland from Trujillo, and while the guarantee on the truck was still in effect. The radiator gave out first above Matucana en route to Chachamayo and we had it repaired at San Mateo. Three days later (after a side trip to Huasahuasi, it gave out again, and we coasted down the other side of the Andes to La Merced where there is a big Ford agency headquarters. There repaired again. Four days later en route back it gave out before I got to Tarma. By stocking water I made it to the top of the pass and then coasted down from 15,000 ft. to Chosica, and barely made it to Lima. It has been two days in garage and we got it back tonight. If it gives out on the comparatively good road to Tacna then I will feel like tossing it into the Pacific. The UK cars are simply not made for roads like these. Next time I think I would choose a British "Land-Rover". The admonition of Ray not to drive over 45 mph seems so laughable now. We made it from the junction below Tarma to Huasahuasi, some 12 km., in 3 hours. I have never been so scared in all my life---with a drop of 2-4,000 ft. on one side and a sheer cliff above, the road literally carved from the stone, unfinished, slides everywhere, and with one wheel often partly over the edge. Yet large trucks and buses negotiate these roads at twice the speed we have driven.

The Chachamayo Trip. While the truck underwent repairs at San Mateo I collected about 10 numbers in a side canyon above town. The canyon of the Rimec, even at Rio Blanco, which in April, 1952, was tropicly luxuriant, was bone dry. Only flowers were in tiny side gullies with streams. Very poor. Likewise at summit bone dry or plants dormant. I think I took five numbers of puna mound plants (two *Wernarias*) in the whole summit area above 14,000 ft. These, of course may prove useful or rare, as this is their season and collectors seldom come up here this time of year. At Tarma I found *Epidisia squarrosa* and *Trichoserous tarraensis* (def. equals *T. peruvianus*) and took about 7 or 8 other items including a *Daucus*. At the junction of the Rio Hussahuasi with the Rio Chachamayo in the gorge below Tarma we took the side road before-mentioned at Hussahuasi and spend three rather cold, miserable days at Hussahuasi collecting very famous grounds. With presses full we left ~~xxxxxx~~ for La Merced and unfortunately were to drive after dark from the heights into the jungle. At Hussahuasi I collected many orchids, including one of commercial value as a botanical. It was small so I took lots of it, counting on that potential \$1.50 to \$2.00 per plant. I think that the dormant orchids can go back by boat, if in plicoilm. We housed at Hacienda Romilda outside of La Merced an up at 900 meters above the Chachamayo valley, for four nights, five days. The area is a paradise for a collector, and I didn't begin to get everything available, but had to be selective. Found an *Epiphyllum* which may be new, a *Mediocactus*, a *Rhipsalis* sp. (may not be *R. cassutha*; the ovaries sunken in stems), but was unable to get a plant of the hairy *Rhipsalis* which Woytkowski reported he had found in the heights above the hacienda---certainly a new species and perhaps a new genus for Peru. We have offered 50 soles to the man on the hacienda which finds it. In the jungle it is difficult often to get sets of a species, as a single specimen may be all that occurs in acres of land. Only with some annuals and a few ~~xxxxxx~~ shrubs can you find any quantities of a species, and even these are often highly local. I estimate about 500 species of trees alone occurs in this valley, and probably 10,000 species of higher plants. On a single fallen jungle tree I counted over 100 species of plants (including lichens). Strangely enough the next adjacent tree may have a largely different epiphytic flora on it. The jungle experience was good for me but costly in some ways. I had dysentery twice, both light attacks and I used no drugs. I was so badly bitten by insects that both Bill and I thought it worth recording on color and black and white. My swollen red puss will undoubtedly bring a horrified gasp from audiences in the US. The bug, a tiny ~~xx~~ knat, sucks blood like a mosquito, and the next day and for 4-6 days you feel it. People acquire immunity after a year or so, they said. True, too, as the Schultz family sitting beside my at the house were never bitten, while I, a yard away, would be covered as I worked on the presses. In the jungle the insects presented less of a problem, particularly along streams where it was cooler. We had rain daily, but in between rains it was hot and dry and plants dried out very quickly. Malaria is common. Parasite infestations are universal and vermifuges quite a topic of conversation. Medicinal plants could be a great subject for investigation even in Chachamayo. In the jungle I found lianes, but nothing resembling *Chondodendron*. I feel sure it could be found however. Probably, like other jungle plants, there are only one or two per hectare. It is a strange experience to have to hack a path to a plant to be able to ~~will~~ collect. Here the ideal method would be to have two or three natives or even more to carry equipment and chop paths. Basing in Chachamayo a year would barely scratch the surface of what is there to collect. Here, high up at 2500 meters we almost lost the truck. The wheels lost traction and skidded sideways almost off the road into a gully. It took most of a day to rebuild a road under it and get out, with the aid of another truck and 5 men, including our most wonderful host. Everyone enjoyed it, although there were tense moments when jacks gave out or the truck inched precariously closer to the edge. Well, I have collected the Eyebrow and the warmer rain-forest now and loved it. Judging from what I have seen I would say that intensive collecting in these areas over a long period from a single base would add 50% to what Macbride records for Peru. The coast and highlands may be well known, but the jungle and eyebrow cannot ~~only~~ than be surface-scratched, so rich is the flora.

At night, with Felix's earnest and eager cooperation, I collected moths by light. I must have 500 species in envelopes. A pleasant way to occupy the hours between dusk (8 PM) and the early morning hours. I averaged 4-5 hours sleep a night while away and seemed to thrive on it---couldn't sleep longer in fact. Bill's cold dried up only to return as soon as we arrived in Lima, and now it worse than ever. Perhaps Chosica's dry climate will help somewhat.

of the requested materials the most important ~~it~~ is felts---haven't hear enough, and vials, which I can't get in Peru. Cork stoppered stuff will not do for air-shipment of fixations for Lincoln C. Note request for Capsicum and will do what I can. Not much chance however as this is wrong season, and there are (from notes sent) only several in Peru. Checked San Marcos and in all his years of collecting Ferreyra took only one.

Today from Velarde learned that Felix was under strict orders from doctor not to cross the Andean pass---heart plus other complications. It did bother him, I noticed. He is invaluable in the field but a difficult companion and very depressing at times. Bill is a proper ~~xxx~~ balance for Felix's pessimism. So physically I should say he is not well, but that he would be far better, both physically and temperamentally if he were in the field than being here in Lima. He is a born collector and I think will always be unhappy when not in the field. I think with your prestige here you could work a deal for him and us, for a longer trip, 3 or more months, say from Sendia into the Madre de Dios, or intensive collecting of herbarium and living material (and of course insects on the side for himself). If you could work it so he could get both his La Molina and Chosica salaries while away, and we could provide minimum expenses (say \$100 a month), I am sure he would go. It would only pay him, however, if it were a longer trip. For him the urge for new lands and discoveries is so strong that the slightest incentive is sufficient. I believe you can talk atleast La Molina people into such an arrangement, on a "Share-products" basis, that is, plants and a set of herb. materials. No mention of insects should be made by any party. It goes without saying that Felix could cash in on his insect collections over a period of time, but it would certainly be a novelty for him to do so without starving in the meantime. The man has absolutely no business sense at all. I suggest Sendia as a portel to Madre de Dios as access there is now easy, and a critical ^{species} from there must be collected---I will have to go if he doesn't, and it takes a week from my schedule at a most critical time---when I want to be everywhere at once, and so far as I know nothing else is to be expected (cacti) in that area. Obviously he should collect ferns, orchids, fuchsias, and anything else (including other cacti, if any) which may prove useful ornamentally or otherwise. After seeing ^{atrain} here I don't think Felix should be encouraged to feel any money can be made from orchids. Only if they are part of a well-financed expedition's objectives, and are on the route, can they be collected profitably. Also at 67 years of age the high country is out for him as a place to collect---it is the jungle that he knows and loves and in which he thrives. You are certainly correct that it would be better to have him undertake such collecting while you are here. Correct---no difficulties with aduana. By all means write to Grace---I thought it would be ill-advised for me to do so. I will express my thanks to Dave in person tomorrow or Monday, but I think they would all appreciate a letter to their bosses in S.F. Also will suggest later a letter to the Director of the school at Chosica, from Sproul and from you. Such things mean much here as you know and the cooperation from them is priceless. With regard Lembke I have ruled out Chile for present. I see no chance of getting the necessary two weeks and doing what is necessary here, much as I would like to finish off the north Chilean project. I may cross to Arica from Tacna to collect the loma there, but no more than that. No border problems thank heavens. Taylor doesn't plan to take truck. However it may pay to sell it here anyway. Will report on this later. Taylor is back in states by now. Financial accounts (on ledger sheets) to follow by Monday. Holding all receipts---too damn heavy to send. Will want access to same for my income-tax with regard portion of hotel-lodging and food which I am paying. Both Bill and I have copies of the accounts.

Apart from Bills bad cold we are both well. I have had three diarrhea attacks, Bill one with two upset stomachs. None have been attributable to the Pension nor severe enough to warrant use of antibiotics. We fear, at present, only the asiatic flum, now beginning here in Lima. Psychologically we are both holding up very well although Bill still fusses much over the "efficiency" here---he is, however, getting use to it all. I have taken about 200 numbers of herbarium material and about 50 numbers of orchids, ferns and cacti. In all at least 1500 herbarium specimens I think, some of them really excellent. Considering we have been in the field only a total of about 10 days this bodes good for the future. Oh---almost forgot, took *Nicotiana tomentosa* v. *leguiana* in the gorge of Huasihuasi (Dept. Junin, Prov. Tarma). Plants with yellow (!), pink, or dark red corollas there. I collected the yellow one, and took seeds also. About 20 sheets. It is a race very close to var. *tomentosa* in the inflorescence type---which is not crowded as in v. *leguiana*.

Best to all,

August 27, 1957

Dear Paul:

Your cable just arrived and have cabled you as shown in enclosed to Capt. Hamley. He was very cooperative. Said that Air Force, Lima would ask for confirmation from Dept. Air Science here. This may cause delay at your end unless they cable Berkeley.

Yours of the 23rd came today and will reply soon although judge from your schedule that you will not be in touch (Lima) until Sept. 10th. Your collecting proposals seem to involve a lot of N-S travel but you are in the ground.

Will be good to talk over the remainder of program on or about October 16th.

WUA132 11 PD INTL FR CD LIMZXXX LIMAPERU VIA ALLAMERICA 27 3XXX 403B

GOODSPEED UNIV
2089 25B
BERKELEY CALIF

TELEPHONED DEST
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[Signature]

PERMISSION PROFESSOR AIR SCIENCE UC RECEIVE PACKAGES

PAUL

Dear Dr.,

*red 2/3 bus
may leave around
earlier*

TRUCK. Bill & I have come to hate it. The radiator simply cannot be fixed, up to now at any rate. It took 2 days to repair it, then it gave out between here and Chosica. The Ford Agency has it now and will take the radiator entirely apart. They can't replace it as no parts for 6-cylinder Ford's are stocked in Peru. We are loosing much time over that truck and I am trying to salvage what I can in the interim. Each time we have it fixed I take it on a trial run first before heading out, as it would be hell to have it give out in the sticks.

Have met the owner of the Land-Rover agency here. We could have bought one new and sold it six months later for \$500 less----no depreciation at all practically and very heavily in demand here. Outlay about \$4000, but \$3500 back. He is getting ~~xxx~~ exact figures for me. There is a way of getting it cheaper by ordering ahead of time for delivery in Peru--takes 2 months. Will be prepared for next time. I have gone over all models and the so-called 10 passenger wagon is the deal--4 wheel drive, auxiliary transmission, rear seats fold down to make a bed or are removed, will continue to work in 3 ft. of water (cabin flooded). Spare parts all available here. It has everything on it as standard equipment which we invested to have put on the truck, and in addition is built especially for roads such as these. Galvanized steel and aluminum construction.

Cabled you today to contact the Professor of Air Science at Cal. to get his permission to receive packages from here (from Air Missi on here) of living plant materials. It is possible to send plants gratis this way. Being stuck in Lima we have spent time figuring angles to save \$. There is a Colonel of Air Force here at Pension and he is helping out. Have a lot of orchids from Chanchamayo plus ferns which I want to forward, but not to pay for. If I can work this deal will send them immediately I hear from you permission of the professor and his name and rank. Stuff will be delivered to him directly, then we get and I suppose take immediately to USDA in S.F. All plants will be sealed in pliofilm bags.

The Colegio in Chosica has provided us with two rooms in the Bachelor's quarters and a kitchen is available (refrigerator plus electric stove). No hot water, but otherwise excellent. They will also provide beds for planting cacti and Felix is in charge of that, of course. Prof. Velarde and Felix to be thanked for the entire arrangement---also calculated to save \$.

The altimeter was lost on the Chanchamayo trip---apparently fell out of car during one of our stops over the radiator. I priced in Lima---same deal is over \$50. Finally bought a Swiss one, more accurate (to 10 meters) for about \$35.00. I am planning to keep it---if other not covered by insurance, then should be written off as loss. While we are still in Lima during Ford repairs, we will move to Chosica the day we get the truck. Nearly all Chanchamayo materials dried in two days at Chosica, orchids and aroids in presses are much slower. Will have to take a test run with truck before embarking to south; so will be another 4 or 5 days at least before we head out. Altogether we have lost about two weeks with truck trouble. Velos here in Lima has handled the radiator for us gratis and has been wonderful. Bob Velos a grad of UC-Berkeley, the son of owner of Ford Agency in Peru.

Ochoa spent evening. Much data. Exact locality of Sandia material---will be easy to get, and by his estimate, only 2-4 days instead of a week. Ind tentally our Ford 350 series truck is worth only about \$1200 here---so might as well plan to bring it home. If it had been an eight it would bring much more and would sell immediately. Was in Sta. Eulalia valley and found some plants in flower---will investigate further. Apparently some low-altitude cacti can be found in flower now, at about 1000-1500 m. alt.

Paul.

This about to be mailed. No new developments---the truck to be in our hands after lunch and we move to Chosica. Tomorrow to Ste. Eulalia to test same, and if we are in order, the next day to south. Incidentally for your information on cost of living in Peru, versus 1952, the following items may be of interest:

Eggs cost 7 cents each. Food is more expensive than in states, when bought in markets or stores, excepting certain tropical fruit. Meals out, nevertheless, cost less, probably because labor still only averages 10-30 soles a day. The cooks here in the pension get 15 soles a day. Hotels of a clean and safe category (no bugs in bed!) are of course the Huel Touristas, and all of them charge from \$3 to \$5 US a night. So when we travel, and stay at such (as you recommended) it will cost us more than here. We will probably try to find something cheaper. Prices in S. America are going up--- except where there is dollar inflation, as in Argentina and Chile. Here there is no black market---the sole is about 19/1\$US regardless of where you sell, except at the hotels where they give you less. Enroute here we found travelers checks a curse. Unlike 1951-52 they were hard to cash in central America and you got much less for them than for cash. In Central America the black market is the place to sell. In Nicaragua the bank we went into directed us to the "lobos" or wolves on the steps in front of the bank to exchange our money---the rate was much higher. You have to bargain a bit---the more you sell the better the rate you get. So carry cash for your trip down here. Denominations don't seem to be too important, but if you come by boat and are to hit small ports, then would have small bills \$5 or \$10, or even \$1.

You would endear yourselves to the people here at the pension if you could bring some Wesson Oil with you---any quantity up to 10 gallons! They make home-made mayonnaise here and complain that Wesson Oil is no longer available and that other oils here are no good. On blotters, Ferreyra will loan me some for interim period. I would suggest you bring more only if not an inconvenience for you---ie, all the way by boat as accompanied baggage. Telephone service in Lima is chaos right now. Changing all phones to dial system and have changed all numbers. You can be cut off as much as 5 or 6 times in a conversation - and have to redial. No one seems to know what the new numbers are! Our new friend Alberto Fehling, owner of Intermotors & Trading, S.A., and 12 other firms in Lima, has invited us to be his guests at the luxury hotel at Paracas, 200 miles south of Lima on coast. He would drive us there over week-end in his brand-new Rolls-Royce (\$35,000 US in Peru). I had to decline for now, but said we might consider this on return from south, as a 2-day trip, if scheduling permitted it at that time. He has offered to get us a new radiator from US in 4 days (by air) if this last repair job doesn't hold up. Now off to town to mail this and get the truck.

P.

Dear Paul:-

Yours of the 23rd we rec'd the 27th & of the 28th 1937
today - receipt of both perhaps delayed by wash roads.

The truck situation is certainly a curse
You mention Fehling's suggestion of a new (bigger?)
radiator air express from U.S. That's the only sug-
gestion I have had here. Can you do, what will
it cost?

Speaking of costs (and steamer for info^{ne} steamer in
Perm reference, also trav. checks & currency) there is,
as you will remember, a \$400 leeway in your budget.
It can be increased to \$500. I don't think our current
balance is big enough at the moment to send it to
you but I will bring it and you can count on it and
use in projecting future expenses.

By now you have my cable & last letter
concerning transportation living material via Air
Force (incidentally, the word is gratis not 'gratis',
Paul!). I wonder whether Plant Quarantine
will feel that something is being slipped over on
them and protest to Washington - they should not
if we take the stuff to them at once & if it is
in unopened pleofilm containers.

If still looks as tho we would sail on the 26th
& without any guarantee can bring the 500 fells
together, & making for Botanical Documentation

about the Wesson oil.

A copy of yours of the 23rd has gone to your Mother. Enclosed a clipping. Myron says he has told you. Bob feels that Morgan left his collection or parts of it to Myron.

Baker arrived Palo Alto for the meeting a week ago. Went with Jim & Emma to Mother's on last week end to see his (Baker's) transplants of 9 yr. ago. Have found a motel for him and family, the address Berkeley the 5th and we go to check it the next day. They stay in motel until the 15th when they move into our house + us to a motel for 10 days.

Jim seems to have everything well in hand. The new floor is laid, new furniture in place + HMMW uncovered in the "Auntie" with everything she wants.

As I said before we better wait until arrival time before deciding between Mary + Priscilla. Accounts excellent - they must soil them with + grow their own vegetables if both can safely be consumed by gringos.

The time table in yours of the 23rd is an alteration of the original one but you alone, on the ground, can decide.

Ever yrs

TR

Dear Dr.,

This will come as a shock to you I know, but we have been in Lima and area for the past 10 days since return from Chanchamayo. The truck! Ford agency repaired the radiator 3 times and said nothing else was wrong----but we couldn't get it as far as SCosica without boiling. Each time it was in garage we lost 2 days. Finally Mr. Dykmann of UNESCO at the penson suggested we go to SCIPA and sent us to Mr. McCool in charge of the equipment of SCIPA. He sent us to the garage and for 2½ days they had from three to five men working on the truck. Each repair job involved a test run, then when no results, checking further into engine. Finally found trouble---a steel gasket defective (blew between cylinders and water jacket) plus a defective thermostat which wouldn't open correctly. The thermostat the wrong one for here anyway. The result of all this was a build up of excessive radiator pressure and loss of water, overheating of engine, loss of power, and radiator blowouts. The trouble is fixed, but we were lucky---we are, however, operating without a thermostat, and none are available here for our truck. Urge immediate purchase and forwarding of letter (thermostat) by air-pouch. Specifications-----a 140° opening for a 1957-6 cylinder Ford 350 series truck, 223 cu. in. compression. The guarantee on the truck ~~expires~~ expires tomorrow, so all trouble to date should be refunded by FORD. Here SCIPA suggested you write to the company rather than the local agency for a refund, but check with Ray. Difficulty was definitely a defect and had nothing to do with conditions here. All receipts pertaining to this enclosed. We are today forwarding all other receipts by surface mail. Air-shipment of 4 boxes of plants is certainly in Calif. ~~by now~~---no cost to us, but we bought the Lt. Col. a bottle of Scotch. He says he will be glad to help out in the future and his time here about matches ours---next shipment will be about Oct. 20, same routing. Also by Moore-McGormick line in hands of a cook aboard is a box of cacti---they should be in San Francisco within this week, and he will phone either you or Myron, whichever answers, to see the plants through customs and USDA. The air-boxes include a group of unnumbered plants from the Chanchamayo trip---Myron to sort these and keep under the indicated locality name only, with accession number. For all these orchids and ferns the general locality data is Peru, Dept. Junin, Prov. Tarma. The main two localities are Canyon of the ~~Huashuasi~~ Rio Huashuasi (which I marked "Huashuasi") and canyon of the ~~Ch~~ Rio Chanchamayo (which I marked variously ---but all are from above La Merced. I am sorry not to have been able to ~~wort~~ work these more completely, but the opportunity to ship came up too suddenly to do anything but quickly toss them in boxes.

The affair of the cark has been very depressing both for Bill and myself. Bill hates Lima and his moral has been low this last week. Now that we are actively prepared to take off again, his spirits are rising, as are mine. The trip to Arequipa-Tacna to collect the Lomas now out of the question. We are taking a trial run of one week to test the truck again, this time to Nazca-Chala and into the Pucquio-Coracora area, which if collecting is good, I will not have to return to in December. Then next Sunday (a week) we will take off for a 4 week trip in the north, to return to Lima Oct. 18. The reason for the date is the Lt. Col. goes to Panama for five days on Oct. 20, and can take plants. Secondly, we cannot delay any longer than Oct. 22 to start the Oroya-Ayacucho-Cuzco route---the season is crazy down here this year, and rains may come early. I have examined a series of rain charts for past years, and it looks like we may get held up in several places. Note also you will be in Lima at that time. From present lost time Chile definitely out of question and Bolivia dubious---however am making preparations for the trip to see Cardenas even though I now think it unlikely I can take the time. I hope to have the north cleaned up by the time I see you here, but it is possible I will have to return there later

more shortly - from Lea

Ford Service Policy # 749234

Unit Serial # F35 J 7 R 27016

Vehicle Code # 130 Y 41 3/E 7083

Digitized by the *Paul* Ford Institute for Botanical Documentation

2089 LSB
September 9, 1957

Dear Paul:

Your #6, 9/5, arrived this morning. Ray seems to understand what happened -- i.e., head gasket defective and leaked air, air displaced water and built up pressure and temperature, high temperature put thermostat out of commission. He says that all garages and some service stations in U.S. have a gauge that replaces water cap and registers pressure which if too high would at once suggest gasket leak or some other source of air in circulation system. He can't understand why that wasn't the first thing that a garage in Lima would have done -- i.e., tested with gauge. I said, probably no gauge in Lima!

Anyway Ray is getting a new thermostat and we should start it to you soon via diplomatic pouch according to directions in your letter #2. A 140° opening is not stocked here, therefore sending 150° one; University cars have 168° ones.

Have turned over your repair bills to Ray and he will try to get a refund -- doubtful according to him.

The 4 boxes by Air Force have not arrived and "MATS Terminal Sacramento" didn't mean anything to anyone. Called the Air Force Base in Sacto and they said try Travis Air Base, Suisun as did the officer in charge of UC Air Science Dept. Travis agreed to look for packages but not replied as yet. All suggest a more detailed statement (in case of from Lima Air Force officer showing proposed routing of shipments so future shipments) that they can be traced if necessary.

Note that cook on Moore-McCormick ship will phone re the box of cacti on arrival S.F.

Very sorry your plans have been so badly disrupted. I can understand how frustrating and depressing it must have been. Your revised proposals sound good.

Baker arrived last Friday. More on that subject later.

Yours,

THG:T

2089 LSB
Sept. 11, 1957

Dear Paul:

Sending today to Washington for transmittal via diplomatic air pouch one thermostat. Ray got this for us -- couldn't get the 150° opening as he expected and as Dr. wrote you yesterday. This one is 157-162 -- Ray says no lower range available on the west coast. I phoned various Ford and parts dealers and could do no better.

Even more disturbing is the fact that we have not received your plant shipments and have not been able to find any trace of them. I just talked again with Capt. -- Air Science on campus -- who has heard nothing of them to this moment -- 3:30 PM, 11th. Dr. called both Sacramento and Travis base (twice) Monday, to no avail. Apparently the shipment should come through Travis and be sent on to U.C. Air Science automatically -- without any action on our part -- but when your letter came Monday Dr. called Travis in anticipation. Just as well for them to be alerted to the urgency, and someone there agreed to watch for them and notify us when they arrive.

Nor has the box via Cook on Moore McCormack been heard from.

Are we ever in a whirl! Dr. in the last two weeks of preparation for departure -- you know what that means -- and Dr. Baker taking over the Garden-- and LSB in more of a mess even than when you left-- Looks as if we'd never be free from noise and dirt and workmen everywhere -- not until the end of the year anyway.

Sorry for all the difficulties and delays you have had -- all very frustrating but probably largely forgotten now in the excitement of good collecting. Afraid this and the thermostat can hardly reach you before your scheduled departure Lima next Sunday -- but on the other hand your schedule may have changed again!

Best to both you and Bill.

As always,

September 18, 1957

Dear Paul:

Have no idea when you will see this but want you to know as soon as possible that, from now on, it appears that you should send living material by regular mail (parcel post) or air mail (freight, express).

The orchids via the Air Force have not been received and it appears impossible to trace the shipment except, possibly, from the Lima end. You speak of the Lt. Col. leaving on October 20 for Panama and taking plants for you -- I assume to be sent from Panama by Air Force. In view of failure of previous shipment to reach us please reconsider this proposal.

The Shipment of cacti created an unfortunate situation involving Baker. The cook telephoned on arrival, and I gave Myron \$5 to pass on to him. He refused to take it. A few days later a ship's Officer telephoned that he was coming to the Garden to get the cacti and/or succulents promised him. It happened that Baker had just read the copy of the letter, approved by the Business Mgr., stating our exchange policy. It appeared that the ship's officer did not want some of the Peruvian cacti that the cook delivered to Myron but other accessioned material from the Garden. Baker became pretty concerned about the matter and I agreed that it was not according to policy and that I would see to it that we did not do that sort of thing again.

I understand, of course, that the Air Force arrangement was primarily to save money and that, doubtless, you gave instructions to the cook to assure that the cacti arrived in the best condition possible, also, perhaps, the transportation time was shorter than by parcel post. We can go over the financial aspect when I see you but if, in the interim, it is essential to ship material by air please do so and I will find a way to supplement your budget to that extent.

Although we probably will have arrived Lima before you read this I may say that our connection at Cristobal with the Santa Cécilia is not possible because the Johnson freighter will leave S.F. three days later (29th) than scheduled. According to present arrangements we leave Panama on October 14 to arrive Lima the early morning of the 15th (by air).

I am writing Felix to make reservations at the Maury beginning the 15th and informally engaging him to assist me in various ways during our stay in Peru. I hope that he is still in Lima and will be available.

Have a letter from Cardenas who now wants trousers (not cloth) for the \$10 travellers check he sent you. He gives type of material and size so that I should be able to accommodate him. Doubt whether we can bring Wesson oil. We must rearrange our baggage aboard ship to carry by air our 66 lbs each and the remainder will have to wait a week+ in Cristobal and come on to Callao on the next Grace Line ship. This is not too favorable or, indeed, safe an arrangement but the best we can do.

Yours,

Dear Dr.,

Arrived in Lima an hour ago from Nazca. There is much too much to report in this one letter. I will shortly send a detailed report on collecting to Myron and ask him to give it to you. Suffice that I have returned because all presses are full, and that the planned itinerary into the Coracora mtns has been largely fulfilled. It was fortunate that I decided to do so now as I found cacti in flower and fruit at above 3000 meters which I would not have found in November. Of major objective, I have in fluid flowers and fruit of *Oreocereus hendricksenianus* and a *Browningia* sp., fruit of *Corryocactus* and of *Armatocereus*. All evidence from this trip indicates that at high altitudes in south now is time to collect, and at lower altitudes, Nov-Dec. Because of the necessity to collect in north, I am giving up the high alt. coll. in south. Saturday we leave for Trujillo-Chiclayo-Jaen. Rains have come early this year. We can only hope they will be sporadic enough not to hold me up anywhere too long. The truck operated well, except that the horn gave out in Ica enroute south and we had to rig up a temporary gadget to get by with. Of course, without thermostat we have no heater and this is at times uncomfortable. The thermostat you sent has arrived, but I urge that a search be made for one of 140-142 or 143° and it be forwarded same way. The reason is simply that at high altitudes water boils at lower temperatures. If thermostat is not set low enough then pressure build up without recording on the cab thermom. Here most trucks operate without thermostat because of this, but SCIPA advised us to get a 140° one because of our heaters. We can operate without it, but then the engine doesn't even get warm enough to register on the cab thermo at all, and we get only cold air through the heaters. Since I will be away in the north for a month the necessity of getting one in east won't inconvenience me---if it can be done at all. My high altitude work, when heaters most needed, will be late October on. We traveled on this trip on a fantastic route---Lima to Nazca in one day, then started up the Nazca canyon to Puquio on two different days and had to return both times as I spent so much time collecting (cacti only) that we didn't get far enough to make the whole trip. Finally made it to Pachan (an hour from Puquio) and stayed at that hotel two nights, working back over the route west towards Nazca. Then from Pachan to Coracora in one day---and from Puquio to Coracora the most fantastic adventures began. The road was impossible---we traveled in 2nd and low gear all the way. Esso map gave 80 km. to the Coracora from Puquio. After 95 miles we got there---and it took 12 hours with collecting stops. From there to Lago Parinacocha on the Esso map is 28 km., and we made it in 8 hours to Incaico---a town not even on the map. There, as in the canyon from Nazca to Puquio had extraordinary luck in finding all the species described by Rauh and Beckeberg, plus some. At this point I don't know if they are all new or not, but my general impression is that 90% are not. (Beckeberg describes 15 new species from this areale). From Incaico to Chala there is a new road not even on the maps, and quite good, to Puerto Chala. However there is a catch---after four hours of puno, one descends from 2600 m to 1500 m over a grade called simply "Convento". About all I can say about it---and we descended it at night---is that Bill simply refused to go back up it the next day. It made the Huasahuasi trip seem like kindergarten. Two days in Chala and collected the lomas. It actually rained on us there---and quite heavily. The lomas fantastic, I no more than scratched the surface, and had to quit then as I ran out of blotters. I was disappointed to find only two umbrells for LC there, but one I think is a desiderata of his. As the Capsicum data neglected characters differentiating it from other Sol., I am collecting all Solanaceae I run into. The description is complete enough, but I find I simply can't take time to dissect stuff in field and still get a ground covered and b: much stuff collected.

I am worried about non-arrival of plants, but nothing I can do now. Exact roting on such a shipment impossible to predict as no through flights. Transhipped usually at Panama and may enter US anywhere. However even if total loss we can't complain. On present budget we can't afford air shipments, so even if it takes as long as a ground shipment and there are losses, we are ahead. Unless total loss. One thing though---in those bags moisture accumulates and wet material, as Myron

on west end of
Lago Parinacocha

2

can afford, doesn't take fumigation very well. To me the most valuable stuff in the shipment is the ferns, although I can see where we can really cash in in \$ on some of the orchids, as some of the miniatures in particular were quite attractive. Of course, under the new set-up this may no longer be possible. Anyway I sent large clumps which could be broken up into a number of plants, and several items are definitely commercial, on the new US market for species orchids.

We stopped in Nazca two days and dried blotters, thus was able to accumulate a few. Today enroute home collected a *Cantua* in seed. Oh yes---in the valley from Pachan to Puquio we found an extraordinarily beautiful scarlet *Cantua*, with very large flowers, but no seed. I think it fine enough to warrant a special effort (even a two-day side trip) to get seed of it. If this proves possible in a month (will talk to you about it when you arrive) then will try to get it.

I got sick yesterday in Nazca---untraceable as Bill and I ate same everywhere. We found expenses on trips much less, particularly in sticks. Tourist hotels cost us about 60-70 soles for two, meals 20 soles each, breakfast 10. Then of course (fortuitous typographical error for "course") taxes of 16 1/2 percent on every bill. In field we found lodgings of sorts for 20 soles for two, meals at 10 soles, and in field when far from base, we fixed our own meals of bread, corn beef, etc., from the food we have stocked. We have used all our equipment except the ice-axe---which I intended primarily for jungle work, but which it looks like I won't have much chance to practice with.

Bill is very homesick and it is something of a question how long he will hold out. This, combined with bad news for him from home. Today his birthday and I'm taking him now for a splurge at the Maury. I thought it fortuitous just before we left Lima to send him to the Bolivar for two days. He is much depressed when in Lima and consequently I intend to keep in the field as much as I possibly can. When he finds material to keep him busy, whether of interest to him or not, he seems to get along O.K. In the field he has proven an able assistant, even providing suggestions which have greatly accelerated our work. However when collecting is very intense he is usually busy on photo assignment so I work alone. Even so my work in field is more than triply accelerated. I think I already have as much pressed material as was taken during the whole of the 1951-52 expedition.

Felix wants to go north with us, at his own expense. I haven't seen him yet, as just got into town, but if he still wants to, we will take him.

36 hrs. later---20 Sept.

Spent all day yesterday at Chosica and unloaded and changed presses---practically nothing dry so today am taking everything to the Museo to Ferreyra who has once before dried stuff for me and has offered to do so at any time. This will free all presses for north. Also will borrow felts and blotters. The Aluminum corrugateds were a dismal failure so far as I am concerned. The damn presses kept coming apart--no friction. On these roads they come apart fast, even if roped, or slide sideways and thus crush specimens. So am leaving them all in Chosica. We found the Professor at Bachelor's house at Chosica had raided our food in the ice-box, including 6 bottles of beer; took it up with the Director who was furious. Finally got a double-deck bunk into the room, also, so we can stay out there if necessary. We have cooked several meals but find it costs more than eating out. However the fare is a welcome change. SCIPA was unable to get to the truck the other day, so taking it by today. Two hours to check it over. McCool says he will put in the thermostat so we can use the heaters, and that we may get by, but by all means to get the 140° one if you can and they will replace this one with it when it arrives. If anything else wrong with truck will dash another note before we leave. Now leaving Sunday AM instead of Saturday. After errands today in Lima (including Bolivian visa and etc.---still hopeful about Bolivia, though much less so), we will return to Chosica to take care of seed, pickled and living material taken on trip south. Mucho plantas. I will try to get one or two boxes of by air (same way) if I can on gamble that even if delayed the time will be no longer than by boat with advantage of no paper work on this end (customs, aduana, etc., etc.,) and no expense (agents). There will be a main shipment, presumably by Grace, to go about Oct. 20, shortly after you arrive, nearly all cacti, although I expect to take orchids in Jaen area. This shipment will be

at B.G. at Chosica. The Colonel is checking on what happened to the air-shipment. He was to have reported to me last night, but we missed connections. I will see him today and find out what gives. MATS, the ATS is Air Transport Service and I think M is for Mather Field in Sacramento. About possible complications with USDA it may pay to phone the S.F. office and inform them of what has transpired and get their reaction to this method of air-importation. I very much doubt that they have a means of checking ATS on entry to US---if they do, then it will cost us money for brokers, drayage, etc.; but if not, then we have only expense of picking up the material. I suggest going easy on pressing for a search of the boxes, as if the matter comes to attention of too many people, someone higher up may squelch the whole program for the future. The Colonel says the material simply has to arrive at destination (Berkeley) and that maximum time is 2 to 3 weeks, minimum, about a week.

Dr. Morgan's death a shock. Myron wrote me of it. He says he got his pick from the collection, Al Irving got second choice, and the balance was auctioned by the Cactus Society, the proceeds to Mrs. Morgan. I wonder if Dr. M. left anything to the Garden in his will. Inclined to doubt it---I believe he intended to leave for charity a contribution to the School of Optometry where his son works.

Weeson Oil---Mary found some in Lima last week. If you already obtained same, then bring, as it is very expensive here, but if you haven't expended, don't. The felts will be especially welcome for the southern trip, as I don't see how I will be able to return to Lima during it without losing 10 days time. With extra day in Lima have asked Bill to complete financial returns to date and will send copy. Rather suspect the \$400-500 you will bring will make all the difference between lasting out here. The accounts rather involved as three funds to keep track of, ---expedition, my own, Bills, and for each of us, separate accounting. Bill had a financial crisis at home and I loaned him \$150---apparently his house manager at his apt. bldg. isn't working out so well. The evening out at the Maury was quite a treat. The service is polished and the atmosphere unspoiled, whereas Bolivar and Grillon are very touristy. Food excellent. Bill's birthday dinner at the Maury set me back \$300.00 (personal, not expedition), which is not bad considering---and the Pisco Sour are still the best in Lima. I erred in having two before dinner and they just about knocked me out. A fine Chilean white wine, hearts of palm, Lobster thermador, a creole chicken dish and side dish of hearts of palm (I love em). Such a dinner at home would cost \$15 or \$20 a person. I think that aside from cost it was a good move, though, as Bill enjoyed it immensely. I definitely won't be happy until we are enroute to Cuzco, which fortunately is scheduled last, as he wants to see it. The question is whether he can last that long under, for him, a rather restricted life in a, to him, barren country. He is getting photos, but not nearly as many as I had hoped. For one thing it has not been possible to take time off (one day of seven, as originally planned) for just free-lance photos. Instead we crowd it in where we can. Hence we have missed several good photo opportunities, such as Coracora, which neither of us will probably ever see again; a beautiful little town. Still we have used about 25 rolls of color and more than that of black and white. We have a very good sequence on coffee in Chanchamayo---he took an extra day there to get it, and returned to Lima by bus. In the homes we took photos in the rain with the flash (strobe), until it got wet and gave out. Got some dillies of stuff not previously photographed in color, in all likelihood.

Summary, no changes in schedule to date, although I may return to Lima as much as a week or two later than my previous letter indicated. If so, a letter will be waiting for you here at consulate to inform of status on your arrival; definitely will have to start for Cuzco before Oct. 1.

Finally, should anything be done to request leave extension for me before you leave (from Nov. 17 for 2, 3 or 4 weeks). Also don't forget Cardenas pants!

+ vals

All my best,

December 2, 1957

Dgar Paul:

It is December and you'll soon be coming home! How good it will be to have you around again! and to hear of all your adventures.

You will remember to let me know when and how (date and ship) the truck is coming back, for insurance purposes. The policy may need to be extended (expiration date January 27th) and marine coverage will certainly have to be arranged -- none was included for the return trip in the original policy because we did not know exactly when -- or whether -- it would be returning. Please let me know as much in advance of sailing date as you can.

Please excuse haste -- That's the way it always is it seems. We are always very busy. Things are going well here -- everyone, or almost, adjusting well to changes at Garden. Don't be anxious about fitting in on your return -- You will return without prejudice! Dr. B. is a fine person and I am sure you will get on well together. Probably not as much time for research as you would wish -- the Garden must of course come first.

Hope all is well with you and that you are looking forward to returning as we are to having you back.

As always,

Centre de recherches et d'orientation de la **SOTA** pour l'amélioration du tabac indigène

Forschungs- und Beratungsstelle der SOTA

Siège: Stations fédérales d'essais agricoles

Tél. (021) 22 86 94 Domicile: (021) 28 92 36

LAUSANNE (Mont-Calm), le April 9, 1957.
(Switzerland)

Dr T.H. Goodspeed,
University of California,
Berkeley.

U.S.A.

Dear Sir,

I take the very great liberty of writing you to introduce to you Mr G. STAUB, Secretary of the co-operative Society for the purchase of Swiss home-grown tobacco, and Director of POLUS S.A. (Tobacco-fermentation) and Dr K. GROB, scientific collaborator for the fermentation of tobacco.

For the purpose of gathering useful information and getting acquainted with recent development in works being in their field of interest, Mr Staub and Dr Grob are leaving Switzerland in the near future for a tour of investigations in the U.S.A., where they intend to travel during some months.

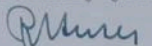
They would deem it a privilege to meet you at that time, and will be most happy if you would allow them to visit you in the period between July 23 and 27, if the time at their disposal is sufficient. They will write to you soon after their arrival in the U.S.A. and let you know several days in advance the exact date of their visit.

Accordingly, I beg to recommend these gentlemen to your kind office. I shall be extremely grateful for any information and assistance which you may be able to give them to facilitate their studies relating to problems of tobacco growing, curing and drying (fermentation). Anything that you can do to help them will be highly appreciated.

Thanking you in anticipation for your kindness in this matter,

I remain,

Faithfully yours


Dr R. Huter

Chief of SOTA's Tobacco Research Centre

2089 Life Sciences Bldg.
University of California
Berkeley 4, California
June 4, 1957

Dr. R. Huter
Chief of SOTA'S Tobacco Research Centre
Lausanne (Mont-Caimé)
Switzerland

Dear Dr. Huter:

Thank you for your letter of April 9 advising me of the intended visit to Berkeley of Drs. Staub and Grob in July.

I should be very happy to receive these two gentlemen. However, I should tell you that they will find nothing concerning the growing, curing and drying of tobacco either in Berkeley or elsewhere in California. In this state practically no tobacco is grown commercially and none is processed. I myself grow only the wild species of Nicotiana.

Perhaps you should inform Drs. Staub and Grob of this situation because it may alter their plans for travel in this country.

With best wishes,

Sincerely,

THG:T

7/19/57

Mr. Grob arrived
Mr. Staub died suddenly just
before departure date

2079b Life Sciences Bldg.
November 8, 1949

Prof. Charles G. Hyde
2495 Shattuck Ave
Berkeley, California

Dear Charles:

I am immensely appreciative of your thoughtfulness in preparing the sketches for the toilet facilities which we expect to install at the Botanical Garden. The completeness of your proposals will make it possible for me to go forward with the project without becoming concerned with some of the University agencies whose assistance would otherwise use up most of the appropriation before any building was done.

With Frank Foote's cooperation two students of surveying spent a morning at the Botanical Garden and I will turn over to you the results of their efforts since you are kind enough to suggest that with their data you could prepare a scheme of disposal of the septic tank effluent in seepage ditches.

I am sure that you must have been put to some expense in preparing the fine drawings you sent me and I hope that I may be permitted to reimburse you. We maintain a small "kitty" which will make it unnecessary to become involved in University red tape in repaying you.

With very many thanks and best wishes

Cordially yours,

THG:T

Berkeley 4, California
January 6, 1953

Dr. Howard L. Hyland
Division of Plant Exploration and Introduction
Plant Industry Station
Beltsville, Maryland

Dear Dr. Hyland:

In response to your request of December 18 I am enclosing
a small packet of seed of Nicotiana tomentosiformis.

We have no seed of N. digluta. I am forwarding your
request to Dr. Clausen on the chance that he may be
able to supply it.

With best wishes

Sincerely,

THG:T

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF PLANT INDUSTRY, SOILS, AND
AGRICULTURAL ENGINEERING

AGRICULTURAL CROPS
DIVISIONS

AGRICULTURAL RESEARCH SERVICE

PLANT INDUSTRY STATION
BELTSVILLE, MARYLAND

June 25, 1954

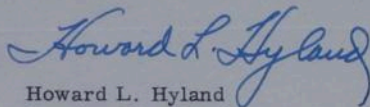
Dr. T. H. Goodspeed
551 Santa Rosa Avenue
Berkeley 7, California

Dear Dr. Goodspeed:

I find that we haven't had a reply from our inquiry of May 14 trying to locate some seed of Nicotiana maritima. Perhaps you have overlooked this inquiry and we are merely bringing it again to your attention.

A prompt reply at your convenience will be of great help to us.

Sincerely yours,



Howard L. Hyland
Foreign Plant Exchange

HLH:feh

Berkeley 4 California
July 8, 1954

Dr. Howard L. Hyland
Foreign Plant Exchange
Agriculture Research Service
Plant Industry Station
Beltsville, Maryland

Dear Dr. Hyland:

Enclosed is packet of seed of Nicotiana glauca requested in your letter of June 25th. I am sorry that your earlier request did not come to my attention.

Also enclosed is our Nicotiana seed list, distributed this year. In addition to the species on this list, seed of most of the other species is also available in smaller quantity upon request.

Sincerely yours,

THG:T

2079 Life Sciences Building
University of California
Berkeley 4, California
January 4, 1957

Dr. L. G. Ingles
Head of Life Science Division
Fresno State College
Fresno 26, California

Dear Dr. Ingles:

Mr. George S. Dehnel has asked me to write you concerning his candidacy for a position in your Division. This position, I understand, involves teaching of comparative morphology of vascular plants, plant taxonomy and general botany.

I have known Mr. Dehnel as a graduate student, teaching assistant and preparator in this department and as an assistant in one of my research projects. He appeals to me as being exceptionally well equipped to make a distinct contribution to teaching in his chosen field. His fundamental training is more than adequate, he is able to think independently, is aggressive intellectually and is hard working and conscientious. His personality is decidedly pleasing, he makes a large appeal to undergraduate students and he cooperates well with his associates.

Trusting that I have made clear the high regard in which I hold Mr. Dehnel and with best wishes,

Cordially,

THG:T

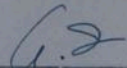
December 16, 1954

Mr. Robert A. Cockrell
Department of Forestry
Campus

Dear Bob:

Dr. Goodspeed asked me to forward to you a copy of his list of plants available at the Botanical Garden for campus planting.

I hope that we can take positive steps to get some of these plant materials located and planted sometime soon. I might mention that this also holds true for those we still have at the Corporation Yard.


Ari Inouye

AI:dh

CC: Mr. T. H. Goodspeed

Enc.

Berkeley 4, California
June 2, 1954

Office of the Director of Internal Revenue
100 McAllister St.
San Francisco, California

Dear Sirs:

Concerning the enclosed notice of installment due I request that I be permitted to defer payment and submission of an amended declaration of estimated tax for 1954 until after July 1st, for the following reasons.

On May 26 I was notified that I would be retired on an annuity from this University on July 1, 1954 instead of on July 1, 1957 as expected when declaration of estimated tax for 1954 was originally submitted. The amount of my annuity will not be determined before June 20 but in any case a portion of this annuity will be tax free.

There is also a possibility that I will be rehired for one year with the salary upon which my 1954 declaration was based but there will be no decision on rehire until June 25th.

I have recently been remarried and my wife and I will submit a joint return for 1954.

In other words my situation is such that until July 1st I will not have the information necessary to amend my declaration of estimated tax.

Yours truly,

THG:T



OFFICE OF
INTERNAL REVENUE AGENT IN CHARGE

San Francisco DIVISION

U. S. TREASURY DEPARTMENT

INTERNAL REVENUE SERVICE
74 New Montgomery Street
San Francisco 5, California

JUN 20 1951

Thomas H. and Florence S. Goodspeed, deceased.
600 Arlington Ave.,
Berkeley, 7, California.

Report Dated: February 27, 1951

Dear Mr. Goodspeed:

Year(s): 1949

There is enclosed for your information and files a copy of a report covering the examination of your income tax return(s) for the year(s) indicated, recently made by a representative of this office. You have indicated your agreement to the adjustment of tax liability shown in the report.

The item checked below explains briefly how settlement of the agreed tax liability will be accomplished through the office of the Collector of Internal Revenue for your district.

Very truly yours,

F. M. Harless
Internal Revenue Agent in Charge.

Enclosure.

- Deficiency:** The Collector will present to you at an early date a bill for payment of the tax, together with interest, at which time remittance should be made to that official, provided you have not already paid the full amount due.
- Net Deficiency:** After the overassessment(s) have been processed by the Collector, you will be presented with a bill for the amount due, at which time remittance should be made to the Collector.
- Net Overassessment:** After the overassessment(s) have been processed by the Collector, you will be advised as to how the over-assessments have been applied, and will receive a check for the amount due you.
- Overassessment:** After the overassessment(s) have been processed by the Collector, you will receive a check in payment of the over-assessment and interest, provided there are no outstanding taxes against which the amount should be credited.

PRELIMINARY STATEMENT

Taxpayer:
Thomas H. and Florence S. Goodspeed

Examining Officer:
S. L. Root

Date of Report:
February 27, 1951

STATEMENT OF TOTAL TAX LIABILITY

Year	Deficiency
1949	\$49.68

The schedules following this page represent a revision of the taxable income for the year indicated and a computation of the corrected tax liability.

Principal cause of change in tax liability: Disallowance of loss on sale of property.

All adjustments were discussed with: Thomas H. Goodspeed

Status for exemption and dependents: Married, Joint return
Mrs. Goodspeed is over 65 years of age

Taxpayer:
Thomas H. and Florence S. Goodspeed

Year Ended 12/31/49

SCHEDULE NO 1
ADJUSTMENTS TO NET INCOME

Net income as disclosed by return		\$ 3,749.78
As corrected		<u>4,049.04</u>
Net adjustment as computed below		\$ 299.26
Capital loss	\$285.00	
Medical expenses	<u>14.26</u>	
		\$ 299.26
Net adjustment as above		\$ 299.26

SCHEDULE NO. 1 A
EXPLANATION OF ITEMS CHANGED

CAPITAL LOSS

This property was sold to the taxpayers' daughter and son-in-law under section 24 (b) (1) (A) of the Codes, such a loss is not allowable

MEDICAL EXPENSE:		\$ 14.26
Net medical expenses		\$ 2,916.03
5 % of adjusted gross income as corrected		
(8,197.50 + 285) = 8,482.50		<u>424.13</u>
Allowable expenses		\$ 2,491.90
Claimed per return		<u>2,506.16</u>
Net adjustment		\$ 14.26

SCHEDULE NO. 2
COMPUTATION OF INCOME TAX

Net		
Adjusted gross income, from Schedule No. 1	\$4,049.04	
Less 3 exemptions at \$600.00 each	<u>1,800.00</u>	
Normal tax and surtax net income	<u>\$2,249.04</u>	
One-half of normal tax and surtax net income	<u>1,124.52</u>	
Tentative tax		\$ 224.90
Less: 17 % on \$224.90	38.23	<u>38.23</u>
Balance		\$ 186.67
Income tax liability - twice the above balance		\$ 373.34
Income tax liability disclosed by original return		<u>324.66</u>
Deficiency in income tax		\$ 49.68

Taxpayer:
Thomas H. and Florence S. Goodspeed.

- 3 -
Year 1949

SUMMARY OF TAX AND PREPAYMENT CREDITS

	<u>Shown by Return</u>	<u>As Corrected</u>
Total income tax liability	\$323.66	\$373.34
Less:		
Income tax withheld by employer	\$1,041.00	
Refunded	(717.34)	
	<u>\$323.66</u>	<u>\$323.66</u>
Deficiency in income tax		49.68

2079 Life Sciences Building
University of California, Berkeley 4
July 15, 1954

Office of the Director of Internal Revenue
100 McAllister St.
San Francisco, California

Dear Sirs:

Referring to my letter of June 2 requesting deferrment until after July 1 of payment of second quarter installment of estimated income tax for 1954, I have just received information indicating that my income for the remainder of this year will be approximately that originally estimated.

I am therefore enclosing check for \$113.66 representing payment of second installment.

Sincerely,

THG:t

Professor
Dr T. H. Goodspeed
Department of Botany
University of California
Berkeley 4, California

Dear Sir;

Thank you very much for your kind letter of February 17th.
I should be very glad if I could obtain seeds of a few species of
Rhododendrons (maybe from the Maddeni-, Saluenense-, Campylogynus-,
or Boothii-series) I have been studying this genus at the herbarium of
The Arnold Arboretum, - especially the lepidota series, and the new
(and needed!) reductions of several series by Cowan and Davidian,
Edinburgh.

I hope to be able to visit your Botanical Garden before I
leave in August.

Very truly yours

H. Irigens-Müller

H. Irigens-Müller
Arnold Arboretum
Jamaica Plain 30
Mass.

April 7, 1950

Mr. H. Irgens-Moller
Arnold Arboretum
Jamaica Plain 30
Mass.

Dear Mr. Irgens-Moller:

In connection with your previous request and your letter of February 24 we have bagged buds of the following species of *Rhododendron* and hope to obtain selfed seed for you. When it is ripe it will be forwarded to you.

<i>R. maddenii</i>	<i>R. lindleyi</i>
<i>R. calophyllum</i>	<i>R. ciliatum</i>
<i>R. sinonuttallii</i>	<i>R. cilicalyx</i>
<i>R. rhabdotum</i>	<i>R. dendricola</i>
<i>R. dalhousiae</i>	<i>R. scottianum</i>
<i>R. leucaspis</i>	

With best wishes

Sincerely,

THG:T

November 12, 1952

Mr. Sangoro Ito
1312 Cornell Avenue
Berkeley 2, California

Dear Mr. Ito:

Your letter of October 20, 1952, concerning a Japanese stone lantern, was read with great interest. An investigation which it inspired has revealed that the University has two sets of symbolic lanterns, bearing considerable resemblance each to the other but in different locations and having different significance.

There is one set standing north of the Life Sciences Building which was the gift of Japanese alumni in 1935. I am reminded of the recent visit to the campus by Dr. Jiro Harada, an esteemed alumnus of the Class of 1905 who was instrumental in arranging this highly-prized gift by alumni living in Japan. You may be familiar with his book, "Glimpses of Japanese Ideals", which contains an illustration of these lanterns.

The dismantled lantern you saw near the laboratory-materials plot of the Botanical Garden is one of two which were part of the Japanese exhibit at the Golden Gate International Exposition before the war. When the fair closed in 1940, it was the generous thought of Japanese alumni living in the Bay Area that some of the properties from the exhibit might be used to construct a Japanese garden in the Botanical Garden. They made a gift of money to defray the cost of moving the materials from Treasure Island to the campus, and the designing and building of a garden. The Japanese landscape designer who was employed for the project did not deem the stone lanterns, a red wooden bridge, and certain other properties as appropriate for the Japanese garden surrounding the pool which is now one of the most beautiful spots in Botanical Garden.

Dr. Thomas H. Goodspeed, Director of the Botanical Garden informs me that these lanterns have not been discarded but are regarded as garden properties which will be incorporated into another area yet to be developed.

The opportunity to explain this matter to you is greatly appreciated. I regard your letter as indicative of an interest in the University as genuine as that which found expression in the gift of the stone lanterns enshrined in the area between Agriculture Hall and Life Sciences Building. Of the countless gifts that alumni of all races, creeds, and classes have made, none seems to symbolize better the deep feeling toward the University of California by its sons and daughters.

Sincerely yours,

Robert G. Sproul

cc: Dr. Goodspeed

№ 6

„9“ January 1957 г.

Prof. T. H. Goodspeed,
Department of Botany, University of California, Berkeley, USA.

Dear Sir,

Would it be possible to secure seeds of wild Nicotiana species, required by our Specialists for scientific research.

Kindly let us know if there is any way we might be of some use to you in our turn.

We should be much obliged to you for complying with our request.

Yours truly

N. N. Jakoblev,

Deputy Director of the Institute.

October 25, 1956

Dr. A. G. Janzen
1218 Dwinelle Hall

Dear Dr. Janzen:

Would it be asking too much of you to glance over the enclosed review by Hulten of a recent monograph of mine and let me know his general reaction to it?

I would certainly appreciate it very much but hesitate to impose upon you.

With best wishes,

Sincerely,

THG:T

November 5, 1956

Professor T. H. Goodspeed
 Department of Botany
 Berkeley Campus

Dear Professor Goodspeed,

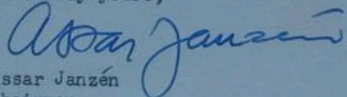
I am delighted to give you survey of Hulten's review of your book on *Nicotiana*.

After a short introduction the reviewer expresses his surprise to find that the first section of your book covers the distribution of the entire genus. He says that one is unprepared to be confronted with the great number of names of species etc., in a discussion of the interrelations of the many varieties without a previous presentation of them. Therefore he suggests that this chapter about the distributions ought to be the place of the taxonomic one. He expected to find as a last chapter the result of the whole description, the discussion about origin, relationship and historical development of the genus.

The major part of the following consists of an account, condensed but lucid, of the contents of your book. On more than one occasion Hulten expresses his admiration for the colossal work behind the description, especially the fact that you have been able to cultivate almost all species.

In conclusion he says that your book has enriched the botanical literature with a monography of the most modern character. There is no other book than Babcock's *Crepis*- book in which a relatively large genus has been treated so thoroughly, from so many points of view and with the utilization of the very last experiences and results in the field of cytology and genetics. He wonders whether such monographies will ever be made of the larger genera. "Perhaps will this not be necessary, when the courses of development and the principles of the formation of species has been clarified."

Best wishes!
 Sincerely yours,


 Assar Janzén
 Chairman

AJ:as

giskt, om man som ref. samtidigt anser att framställningen skulle ha vunnit på att inte splittras upp på så många avsnitt och underavsnitt, att den eftersträfvade överskådligheten nästan blir dold av rubrikernas mångfald: innehållsförteckningen upptar bortåt 200 moment för mindre än 200 sidor text. En dylik anmärkning väger dock lätt gentemot arbetets stora förtjänster och man önskar förf. all framgång vid hennes fortsatta arbeten med den användbara växt, som nu säkert även många andra kommer att intressera sig mera för än de gjort tidigare.

Wilh. Rodhe.

GOODSPEED, T. H., *The Genus Nicotiana. Origin, Relationships and Evolution of its Species in the Light of their Distribution, Morphology and Cytogenetics.* — *Chronica Botanica*, Vol. 16. Waltham, Mass., 1954 (Almqvist & Wiksell, Stockholm), 22 + 536 sidor, 50 tabeller, 118 illustrationer. Pris dollar 12: 50.

Arbetets mål anges i bokens första kapitel vara att samla alla fakta, som höra samman med det nutida *Nicotiana*-släktets uppkomst, utveckling och släktskapsförhållanden, geografiska, morfologiska och cytogenetiska — och lägga till en systematisk utredning!

Detta är också vad författaren har gjort.

Man kan inte undgå att bli förvånad över att finna bokens första avdelning behandla utbredningen av hela släktet, av sektionerna och av arterna. I denna första, 50 sidor starka, avdelning förs man alltså helt oförberett in i mängden av art- och sektionsnamn och i resonemang rörande dessa arters och sektioners relationer, utan att dessa först presenterats, vilket gör ett minst sagt förvirrat intryck. Utbredningskapitlet borde givetvis ha placerats efter det taxonomiska kapitlet, som nu placerats sist i boken. Sist hade man väntat sig att finna resultatet av hela framställningen, spekulationerna över ursprung, inbördes släktskap och historisk utvecklingsgång.

En orsak till den inkonsekventa anordningen av bokens olika avsnitt kan man måhända ana i det förhållandet, att utom GOODSPEED två medförfattare H. M. WHEELER och P. C. HUTCHISON svara för taxonomin. Hur ansvaret för detta kapitel fördelar sig mellan dem och arbetets huvudförfattare får man icke veta. GOODSPEED är cytolog och cytogenetiker och den taxonomiska delens placering synes ange, att han anser den mera som ett nödvändigt ont än som den grund, på vilken åtminstone den växtgeografiska delen helt bygger.

I utbredningskapitlet behandlas först totalutbredningen med vederbörlig hänsyn tagen till de kulturspridda arterna samt sektionernas arealer med tillhörande kromosomtalskartor. Därefter behandlas i tur och ordning den sydamerikanska, nordamerikanska och australiskt-sydpacifika utbredningen på samma sätt med kartor över alla släktets 60 i den taxonomiska delen accepterade arter. Härav framgår mycket tydligt, att släktets nutida utbredningssentrum är Sydamerika med utstrålningar norrut i västra Nordamerika upp till sydligaste British Columbia å ena sidan och till Australien å den andra. Denna senare utstrålning har rimligen skett via

Sw. Bot. Tidskr., 49: 4

1955

2

2079 Life Sciences Bldg.
November 8, 1956

Professor A. Janzen
Department of Scandinavian
Campus

Dear Professor Janzen:

Many thanks for your kindness in, once more, assisting me
with material in Swedish which, unfortunately, I cannot read
with any certainty of the correctness of my translation.

With best wishes,

Cordially,

THG:T

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
FIELD CROPS RESEARCH BRANCH
BELTSVILLE, MARYLAND

Tobacco and Special Crops Section

September 4, 1956

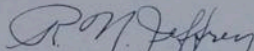
Dr. T. H. Goodspeed
2480 Virginia Street
Berkeley 9, California

Dear Dr. Goodspeed:

Dr. W. G. Frankenburg has just written me that you might be willing to speak before the Tobacco Chemists' Research Conference which will meet in Washington, November 8 and 9. As you probably know, this is a rather informal group composed of chemists from the colleges doing research on tobacco, State Experiment Stations, the tobacco manufacturing companies and the U.S.D.A. We would be very glad to have you address us, but this group does not have any dues and so is not in a position to offer expenses to speakers.

If you would be able to meet with us we would appreciate receiving some indication of the length of your talk, what lantern facilities would be required, and a short abstract. Though, as indicated above, most of the group are chemists, they are becoming increasingly aware of the effect on the chemical and physical properties of commercial tobacco of the use of *Nicotiana* species other than *tabacum* in the breeding of disease resistant varieties. Due to your extensive experience with these species I am sure they would be interested in anything which you might say about them.

Sincerely,



R. N. Jeffrey, Chairman
Program Committee
Tobacco Chemists' Research
Conference

RNJ:pap

TOBACCO CHEMISTS' RESEARCH CONFERENCE

WASHINGTON, D. C.

DATES: Registration - November 7 and 8, 1956

Meetings - November 8 and 9

Banquet - November 8

CONFERENCE HEADQUARTERS: Willard Hotel, Pennsylvania Avenue & 14th Street, N. W.

INVITATION FOR PAPERS:

Please submit information as soon as possible as to the title, author, time and facilities required for any paper on tobacco chemistry you wish to present at the Conference. This material should be accompanied by an abstract and sent to R. N. Jeffry, Plant Industry Station, Beltsville, Maryland. The number of papers is increasing from year to year. It is essential that notification of available papers be sent in promptly. If sufficient abstracts are submitted, copies of them will be distributed at the time of registration.

HOTEL ACCOMMODATION:

Those desiring hotel accommodations at convention rates at the headquarters should return the enclosed reply postcard directly to the Willard Hotel. If you desire assistance in making other arrangements, such as motel accommodations, contact the chairman of local arrangements:

Orman E. Street
Department of Agronomy
University of Maryland
College Park, Maryland

We are looking forward to seeing you at the Tenth Tobacco Chemists' Research Conference.

D. M. Crooks, Coordinating Chairman
1956 Tobacco Chemists' Conference

July 3, 1956

TO: Participants of Tobacco Chemists' Research Conference

FROM: D. M. Crooks, Coordinating Chairman, 1956 Tobacco Chemists' Research Conference

SUBJECT: Tobacco Science

We are glad to advise you of the progress towards establishing a more adequate medium for tobacco science publications. You will be interested to know some of the background in the organization and establishment of an Editorial Board as a result of the movement that was started more than a year ago towards finding a better outlet for publication of tobacco research work. In a communication to you on January 20, a progress report was made and since that time under the guidance of ESCOP, the Tobacco Science Council, constituted of the Chairmen of the four tobacco workers conference groups; that is, the Flue-Cured Workers Conference, the Burley Workers Conference, the Research Committee Program Chairman of the CMA, and the Tobacco Chemists' Conference, was formulated and an Editorial Board recommended to ESCOP from the nominations presented by the four conferences. ESCOP approved the nominations, and the Editorial Board for Tobacco Science is now constituted of the following members:

J. A. Weybrew, Biochemist, N. C. State College, Raleigh -
Chairman

P. J. Anderson, American Sumatra Tobacco Corp., Hartford, Conn.

W. W. Bates, Liggett & Myers Tobacco Co., Durham, N. C.

R. F. Dawson, Dept. of Botany, Columbia University, New York

J. E. McMurtrey, Jr., Field Crops Research Branch, USDA,
Beltsville

J. N. Tenhet, Tobacco Insect Laboratory, USDA, Richmond, Va.

W. D. Valleau, Prof. Plant Pathology, Univ. of Kentucky, Lexington

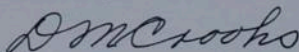
An agreement has been reached with the Lockwood Trade Journal Co., Inc., publisher of TOBACCO, for a Tobacco Science Section in each issue. This section will be set apart from the rest of the journal so that it will not be diffused

with advertising and other material of a news and editorial nature. All articles will be subject to review and acceptance by the Editorial Board and all communications with authors will be through the Chairman of the Editorial Board rather than with the TOBACCO journal. I might quote the following paragraph from the letter of agreement we have with the journal as a matter of information:

"Upon the approval by an Editorial Board formulated by the scientists themselves, TOBACCO will publish without charge, in a separate section and uninterrupted by advertising, technical manuscripts on tobacco submitted to it. An annual issue would be prepared containing all the papers published in the 'Tobacco Science' section during the year and this would be available to subscribers (\$3.00 for one year; \$5.00 for two years) at no additional charge. If the subscribers wished a hard-backed volume containing this collection of scientific papers, and without advertising or extraneous matter, such could be obtained with an additional charge to cover the cost of the hard-backed book. Reprints of papers published in the 'Tobacco Science' section of TOBACCO would be available upon order at cost. If a scientist desires to publish a particular paper in another Journal, TOBACCO will republish this paper, assuming that suitable arrangements regarding republication rights are obtained from the first journal."

On June 8th the Editorial Board held its first meeting to develop plans for its future operation. Enclosed is information regarding the submission of manuscripts. It is hoped that you will submit your manuscripts at an early date so that the publication plan can soon be started in an early issue of TOBACCO. You will note that the manuscripts are to be submitted directly to Dr. Weybrew as Chairman of the Editorial Board. As soon as there are sufficient papers to insure continuance of the Tobacco Science Section in TOBACCO publication will commence.

Sincerely yours,



D. M. Crooks
Coordinating Chairman

Attachment

TOBACCO SCIENTISTS:

Tobacco Science, your publication medium for scientific and technical research reports of tobacco investigations, is ready to roll. The first paper will not be printed until there are enough approved manuscripts on hand to insure continuing publication in each successive issue.

We urge you, therefore, to polish up those manuscripts that are about ready and send them to us. Perhaps you have articles which you have recently published in the scientific journal specifically serving your particular field, but which you would like to have reprinted so that your fellow tobacco researchers can also see it.

Attached is a set of "Instructions to Authors" which will serve as a guide in preparing manuscripts for Tobacco Science.

Respectfully yours,

EDITORIAL BOARD, TOBACCO SCIENCE

J. A. Weybrew, Chairman
R. F. Dawson, Vice Chairman
P. J. Anderson
W. W. Bates
J. E. McMurtrey, Jr.
J. N. Tenhet
W. D. Valleau

"TOBACCO SCIENCE" SECTION OF TOBACCO

Instructions to Authors

The following suggestions will serve as a guide in preparing manuscripts for publication in the "Tobacco Science" section of TOBACCO. General conformance will insure uniformity in format, will simplify editing, will minimize the time lapse between submission of manuscripts and printing, and will reduce printing costs. Since it is unlikely that these advance instructions would cover all situations, it is anticipated that they will require revisions as new problems are presented and decisions made.

General Policy. Tobacco Science was organized, at the request of tobacco scientists in the fields of agronomy, biochemistry, botany, chemistry, economics, engineering, entomology, genetics, pathology, plant breeding, physics, physiology, and soils, to serve as the common publication medium for "scientific and technical reports on tobacco research". It is understood that, in general, manuscripts submitted for publication in Tobacco Science will be reports of unpublished original research. In the interest of completeness, Tobacco Science will, however, reprint pertinent papers from other scientific journals; in which case it will be the responsibility of the author to obtain the release of that article from the original publishing journal. Manuscripts submitted for reprinting will be subjected to the same editorial scrutiny as original papers.

It will be the primary function of your Editorial Board to establish and maintain a high standard for papers appearing in Tobacco Science to insure that this publication will become the recognized and respected authority on tobacco technology.

Submission of Manuscripts. Manuscripts will be submitted in duplicate (original and first carbon) to J. A. Weybrew, Chairman Editorial Board, Tobacco Laboratory, 407 Williams Hall, North Carolina State College, Raleigh, North Carolina. The letter of transmittal accompanying each manuscript must contain the statement "submitted for publication in TOBACCO, New York". All manuscripts should be mailed flat - not folded or rolled - and by first-class mail.

Format. Manuscripts will be typewritten in English, double spaced with a minimum of one-inch margins on all sides, and on paper suitable for ink corrections.

The length of papers will ordinarily be limited to five printed pages (approximately twenty typewritten pages of manuscript). A longer paper may be printed in its entirety in a single issue or, if practical, may be serialized in two or more successive issues.

Following the title, the authors' line should include their (his) business or professional affiliation.

Insofar as practical, manuscripts should be organized into INTRODUCTION; MATERIALS AND METHODS (or EXPERIMENTAL METHODS); RESULTS; DISCUSSION; SUMMARY; ACKNOWLEDGMENT; REFERENCES in this order. The introduction should be short and concise. References in the text are cited as: Jones and Brown (1953), or (Jones and Brown, 1953), or (Jones et al, 1953_a, 1953_b). Authors are encouraged to use standard abbreviations (without periods unless the abbreviation is itself a word; e.g., 10 ml = 10 milliliters, but Tube No. 5 = Tube Number 5) and chemical formulas (NaOH, but p-aminobenzoic acid) in tabular material and, for brevity, in noting specific quantities (e.g., 1500 lb/A) in the text as long as the meaning remains clear. Arabic numerals will be used to designate numbers larger than 10 (e.g., 15 μ g = 15 micrograms), but single digits will be written out (e.g., five ml = five milliliters).

All tables are to be typed on separate sheets, and designated successively with Arabic numerals, as Table 1. The titles to a table should clearly indicate its contents without reference to the text, and only the first letter is to be capitalized. Lower case is to be used in the text for reference to a particular table, as "see table 1". Footnotes to tables are to be kept at a minimum; when required, footnotes will be placed, in succession, directly beneath the table and indicated with an asterisk, double-asterisk, dagger, double-dagger, etc. Big and complicated tables are discouraged; ordinarily they should not exceed the 8 1/2 x 11 dimension of the page and should be oriented across the 8 1/2 inch width.

Charts, drawings, and photographs will be sequentially designated with Arabic numerals as Figure 1, Figure 2, etc. (capitalized), but referred to in the text with lower case, as figure 1. Drawings and graphs should be made in India ink on plain white paper, bristol board, or light-blue lined graph paper, and should not exceed 8 1/2 x 11 inches. Do not use coordinate paper with green lines. Lettering guides should be employed for all writing on curves and drawings. Photographs should show a high degree of contrast and be printed on glossy paper with excess foreground and irrelevant detail blocked out. Each photographic print should be labelled lightly in pencil on the top of the back with the author's name and the figure number. Whenever possible, photographs should be grouped together in the manuscript. Original drawings and duplicate photographs should be retained as a safeguard against loss. Captions for figures are to be concise and clearly understandable without reference to the text and are to be typed in lower case on separate sheets.

Footnotes are to be used sparingly in the text. When required, footnotes will be indicated with Arabic superscripts and will be placed following the acknowledgment.

References will be listed alphabetically on a separate page, double spaced. Each citation must be complete, giving author, title, journal, volume, inclusive pages, and year (e.g., Benesch, Reinhold, Ruth E. Benesch, M. Butcho, and L. Laufer, "New Color Test for Thiols and Thiolesters", Science, 123; 981, 1956). The names of journals will be abbreviated in accordance with those currently used in CHEMICAL ABSTRACTS. References to books should include the author's name, title of the book, edition, the specific inclusive page reference, publisher, address, and date.

Authors are referred to the following publications: Riker, A. J., "The Preparation of Manuscripts for Phytopathology", Phytopath, 36; 953-77, 1946, and Trelease, S. F., The Scientific Paper: How to Prepare It. 2nd Ed., Williams and Wilkins, Baltimore, 1951, as useful references in the preparation of manuscripts.

Manuscript Review. Manuscripts will be sent out for review by two competent reviewers familiar with the field of research covered by the paper. The chief purpose of the review is to help the author avoid mistakes and to insure that the published work will be a credit to the author and to Tobacco Science. Anonymity of referees is preserved in order that their criticisms may be frank and objective.

Authors are advised to give prompt attention to the revisions suggested by the reviewers, inasmuch as manuscripts will be printed in the order of approval of the revised manuscripts. Resubmit duplicate copies of the revised manuscript to the Chairman of the Editorial Board.

Proofing. The editorial staff of TOBACCO will edit the galley proof. Page proofs will be sent to the Editor who will verify that they conform with the revised manuscript.

Reprints. At the time a manuscript is set in type, TCBACCO will send the author an order form for reprints. Orders for reprints should be returned promptly. Type is destroyed immediately after printing; consequently orders placed too late cannot be filled.

2079 Life Sciences Bldg.
University of California
Berkeley 4, California
October 1, 1956

Dr. R. N. Jeffrey
Plant Industry Station
Beltsville, Maryland

Dear Dr. Jeffrey:

Some weeks ago I recieved, perhaps from you, an invitation to speak at the Tobacco Chemists' Research Conference to be held in Washington D.C. early in November. Unfortunately I have mislaid this letter and owe someone an apology for my seeming neglect in acknowledging this invitation. Your name I find in the announcement of the Washington meeting.

With regret I must decline. This University makes travel grants only to those asked to participate in national or international meetings of certain learned societies. At the moment I am not in a position personally to finance the journey to Washington and attendant expenses.

Please express to the gentleman concerned my appreciation of his invitation.

With all good wishes for the success of the Conference,

Sincerely,

THG:T

DEMETRIO E. JEFFRY, M. D.
400 TWENTY-NINTH STREET
OAKLAND 9, CALIFORNIA
TELEPHONE GLENCOURT 1-1674

15th August, 1952.

Dear Dr Goodspeed.

Dr. Jeffrey wishes me to
thank you for the payment
on account of Theresa Miller.
This completes your financial
obligation as far as this
office is concerned.

Doctor regrets that
you had to assume this
debt personally.

With kindest regards.

K.M. Cramé. Secy.

DEMETRIO E. JEFFRY, M. D.

420 - 29th STREET
GLENCOURT 1-1874

No. 1208

OAKLAND 9, CALIF. 15 Aug 1952

RECEIVED OF

D. Goodspeed

One hundred + fifty

Theresa Miller acct in full - Thank you -

DOLLARS

AMOUNT PAID \$

150⁰⁰

CASH

CHECK

M. O.

BY

D. E. Jeffry M.D.
D. Miller

14 May 1951
March Air Force Base

To the staff:

Me thinks it is about time I at least thanked one and all again for your kind remembrance towards me when I left for the service. Please be assured that your gift is being used and is on or about me wherever I go. And believe me I go aplenty. Meaning all over the air field. Since I have no auto here it is walk and walk every where I go. The first week I just about knocked myself out walking. In processing from one station to another. There was a lot of stations. That is all through now and I am on the job. At first I was in charge of details which was to pick up snipes, papers, and all sorts of trash. From that I was promoted to the nursery. My first assignment out of the nursery was to plant a lawn of about 4,000 square feet. I done such a good job that I have two more lawn areas to plant, with my crew of course. Since I am in charge of detail I give myself a day off every now and then. How about that? My duty so far is good. Just how good it will be when we leave from here I don't know. So gang, that about covers me in my faze of work.

On Saturdays we usually stand inspection and march in review before the base commander. The inspections are tough but we are a tough lot too. I was only gixed once and that was for having two letters on my bunk. Me along with about 12 others, we had to get hoes and clear the grass away from around our barracks. Hell fellows, hoeing grass was up my alley so I made myself charge of detail again. It only took us about a hour and that was after chow one night.

The food here is very good. Only at times we could eat more. Several times I have asked for more only to be told no. Believe me after a lot of walking one gets a appetite. And I got one. Any way we do get enough and the best part of it is that I am loseing my pouch.

When we first arrieved here the weather was cold. It rained some too. After about three weeks it turned hot and stayed hot for awhile. Two weeks ago Sunday we had thunder and lightning. Yesterday it rained and quite a heavy rain at that.

To night I am on C Q duty and the telephone is aringing and a lot of new men want a lot of information so I am busy as hell.

So fellows my very best to all of you, and may all this end very soon.

as ever, Edward Jelenfy.

*P.S. written with Edward.
my new pen - The P.S. is, that is.*

June 10, 1949

Dr. J. A. Jenkins
Division of Genetics

Dear Dr. Jenkins:

We have turned over to you eight plants labelled
42-1073 -- "Tomato -- Tacna, Peru".

The corresponding herbarium specimen is South
American Expedition number 30349, determined by Killip
as *Lycopersicon peruvianum* var. *dentatum* Dunal.

Should you have occasion to secure seed of this
race we would be glad to have a small sample in the
Botanical Garden.

Sincerely yours,

THG:T

June 22, 1949

Dr. J. A. Jenkins
Division of Genetics

Dear Dr. Jenkins:

I am glad that you called my attention to the fact that the collection data included in my letter of June 10 apply to only five of the eight plants recently sent you from the Botanical Garden. In reporting to me the number of plants being set aside for you the Garden staff presumably did not recognize that more than one accession number was involved. These plants came from a recent resowing of 1942 seed and it is entirely possible that some mistake in numbering has occurred.

In order to help clarify the situation and to enable you to determine whether the living plants you have actually correspond to the herbarium specimens collected under the same numbers I have borrowed from the Herbarium and am sending you the three specimens concerned. You will note that all were collected in the same general locality.

Although numbers 30382 and 30404 -- said to be identical-- are labelled "Solanum n.sp." that I believe represents the opinion of the collector. As indicated on the annotation label accompanying #30382 that specimen was later identified by Cardenas as *Solanum lycopersicoides* Dunal (ex. char.).

If the three plants of numbers 42-1075 and 42-1097 are of interest to you I should be glad to have you keep them. Otherwise I will arrange to have them picked up and returned to the Garden.

With best wishes

Sincerely yours,

THG:T

August 4, 1949

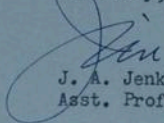
Professor T. H. Goodspeed
Botany Department
Life Sciences Building

Dear Professor Goodspeed:

Unfortunately, the two *Solanum* species were put in the field before I noticed that they were different from the tomatoes. However, if it is agreeable with you, I shall check them with the herbarium specimens when they flower and fruit to be sure that they are the same, and send you seed of both species together with seed of the tomato species. If this is satisfactory, I will keep the herbarium specimens until they are identified then send them with the seed to you directly.

Thank you again for your thoughtfulness in remembering my interest in the tomatoes. I am only sorry that I was not fully awake when I first looked at them.

Sincerely,



J. A. Jenkins
Asst. Professor of Genetics

JAJ:f

P.S.

Do you want additional herbarium specimens?



Professor T. G. Turin, M.A.

DEPARTMENT OF BOTANY
The UNIVERSITY ~~XXXXXXXXXX~~
LEICESTER
Telephone 24211

July 10th. 1957.

Professor Goodspeed,
University Botanic Garden,
Berkeley,
California.

Dear Professor Goodspeed,

I am working on the cytology and taxonomy of Carex nigra
(L.) Reichard and have seen herbarium specimens from South Chile.

I am particularly anxious to get seeds and / or living
material of this plant from that area. Have you any collector
from the Botanic Garden going into or near that region in the near future?
If so would it be possible for him to collect some for me?

Yours sincerely,

allwitermy

A. C. Jermy.

2089 Life Sciences Bldg.
University of California
Berkeley 4, California
July 30, 1957

Dr. A. C. Jermy
Dept. of Botany
The University
Leicester

Dear Dr. Jermy:

I have your letter of the 10th concerning Carex nigra from South Chile.

Hopefully we can be of some assistance since I am directing a 6th University of California Botanical Garden Expedition to South America and plan to emphasize collecting in South Chile from December to March.

I do not find Carex nigra listed among the numerous species of that genus collected by our previous expeditions in South America (only two species collected in South Chile) and I wonder whether it is rare or perhaps a synonym for some other designation in my records.

Please give me the exact localities from which the species has been reported and I shall be glad to do what I can to secure seed and herbarium specimens for you.

Sincerely,