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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.

Dept. of Botany
Berkeley 4, California
March 14, 1949

Dr. F. A. Barkley
c/o Dr. Carlos Madrid
Facultad de Agronomia
Apartado Aero #568
Medellin, Colombia

Dear Dr. Barkley:

May I ask your assistance in straightening out a number of problems connected with the herbarium collection which Gutierrez made at my request and with the financial assistance of the Fourth University of California Botanical Garden Expeditions to the Andes. I know that Gutierrez has been in touch with you concerning some of the matters to be commented upon below but just what he has asked you to do is not clear. Therefore, I am here reviewing the entire situation.

1) In 1946 I sent to Madrid for Gutierrez 30 field books containing 1500 collection numbers in duplicate -- 35,501 to 37,000. So far as I can determine only 4 books were used involving numbers 35,501 to 35,700. I am making a final end of the UCBG Expeditions so far as collection of herbarium material is concerned and preparing for publication a detailed report and check list of collection numbers used by the four expeditions. Obviously, I wish to be sure that sometime in the future unused collection books will not turn up somewhere in South America and the corresponding numbers appear in herbaria. Therefore, please arrange to have the remaining 26 books returned to me intact by parcel post.

2) Gutierrez apparently collected numbers 35,501 to 35,684 (Gutierrez numbers 1173 to 1356). Of these I have received specimens corresponding to numbers 35,501 to 35,626, 35644 and 35645, and 35651 to 35684. Specimens corresponding to numbers 35,627 to 35,643 and 35,646 to 35,650 (a total of 22 specimens) are missing. I have received neither the specimens nor the original collection slips for these numbers, but only the carbon copies of the original collection slips (recently received through Gutierrez). For 35,626 and 35,651 I have both the original and the carbon copy of the collection slips as well as the specimens. For 35,644 and 35,645 I now have the carbon copy and the specimen but not the original collection slip.

3) In view of what has just been said would you be good enough to send me

- a) all herbarium specimens and original collection slips of numbers 35,627 to 35,643 and 35,646 to 35,650, except what has been or should be deposited in the Herbarium at the Facultad.
- b) the original collection slips for 35,644 and 35,645

c) the carbon copies of collection slips for the remaining numbers (35,501 to 35,625 and 35,652 to 35,684).

I am retaining the carbon copies of 35,626 to 35,651 received from Gutierrez. Hopefully the remaining carbon copies have not been removed from the covers. Originally I explained to Madrid and/or Gutierrez that the collection books were supplied on the understanding that the original slip would be placed in one of the specimens sent me and the carbon left in the cover and the covers containing the carbons returned for my records. I have 15 years collecting records in such carbon copies. Where specimens were retained by the collector for his institution I have always supplied descriptive labels. In this case I will attempt as soon as possible to prepare descriptive labels so that when you send me the carbons and/or originals there will be the necessary collection record in the Facultad specimen. However, since only such a relatively few numbers are involved you may prefer to have copies made of the labels still in your possession before sending them to me. In that case we would need to send you descriptive labels only for 35,626 to 35,651.

I am very sorry to put you to the inconvenience involved in the requests made above but I know that you will appreciate the problems and how important it is before too much time goes by to straighten them out.

Please present my compliments to Dr. Madrid and my other friends at the Facultad. With best wishes

Sincerely,

THG:T

UNIVERSIDAD NACIONAL
FACULTAD DE AGRONOMIA

MEDELLIN - COLOMBIA

APARTADOS: } Nacional No. 406
 } Aéreo No. 568

Forma No. 1

SECCIÓN Botánica

NÚMERO 49-50

22 March 1949

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

Dear Doctor Goodspeed:

I have your airmail letter of March 14 at hand.

I am having the 26 unused collection books wrapped today to forward to you as you requested in your letter.

As soon as I can get around to it I will try to find the specimens which you asked about. I am getting out all of my undistributed duplicates this month. In the meantime you might ask Dr. Gutiérrez if he can tell me where the specimens are stored. I should be free by the middle of April to work over that set of specimens.

Since you have duplicates of all of the labels, I should like to have the set of labels for this herbarium before I part with the duplicates. I could of course have labels prepared, but since I have to pay for all secretarial work personally this does not appeal to me.

Sincerely yours,

Andrés Bello

Profesor Jefe de la Sección

$$a = 12w' + 12w'$$
$$= 24 \text{ }$$

May 20, 1949.

Dr. Fred A. Barkley,
Facultad de Agronomía,
Universidad Nacional,
Apartado Aéreo No. 568,
Medellín, Colombia.

Dear Dr. Barkley,

As requested in your letter of March 22nd. I am enclosing descriptive labels for the Gutiérrez collection, numbers 35501 to 35684 (Gutiérrez numbers 1173 to 1356) for corresponding specimens in the herbarium in Medellín.

According to our records we still need from you the following:

- 1) Carbons of field labels numbers 35501 to 35625 and numbers 35652 to 35684 (we have already numbers 35626 to 35651)
- 2) Original field labels for numbers 35644 and 35645
- 3) specimens with original field labels for numbers 35627 to 35643.

With best wishes,

Sincerely yours,

P.S. Since writing the above I have seen your letter of May 9th. to Gutiérrez which indicates that certain specimens are being sent via a shipment to Dr. Constance and separately to "Gutiérrez" 4 books with data". Whether these two shipments will clear our records and provide the missing herbarium specimens above referred to will be clear to you from the above statement of our needs.

Berkeley 4, California
October 20, 1950

Mr. M. J. Barnett, Director
Christchurch Botanic Gardens
Christchurch, New Zealand

Dear Mr. Barnett:

In this Botanical Garden and in cooperation with the Los Angeles Arboretum I am anxious to grow the following numbers from the Seed List you were good enough to send me: 1-3, 6-9, 11-13, 15-27, 32-37, 39, 41, 43, 45-52, 54, 55, 58-60, 63-68, 71-95, 97-119, 121, 123, 125-127.

Certain of these species will be grown in Berkeley exclusively because of their reputed hardiness, some in Los Angeles exclusively and some in both areas as a test of hardiness.

I am attempting to develop a small Australasian area in this Botanical Garden which is as yet relatively poor in New Zealand material.

Would it be possible for you to send such of the seed requested as is still available by air mail or air parcel post, whichever is cheaper, and permit me to reimburse you for the expense involved? As you doubtless know, seeds entering this country do not require a plant importation permit.

With thanks in advance for your cooperation and with best wishes

Sincerely,

THG:T

C O P Y

December 15, 1950

Mr. M. J. Barnett, Director
Christchurch Botanic Gardens
Christchurch, New Zealand

Dear Mr. Barnett:

Many thanks indeed for your cooperation in sending so promptly the seed requested in my letter of October 20. The shipment arrived in record time and in excellent condition.

According to the postage on the package, the airmail charges were 19 shillings sixpence, for which amount I am enclosing a draft. If any additional expense was involved, please permit me to reimburse you.

With thanks again and best wishes,

Cordially yours,

THg:a
Enc.

M. J. Barnett, Director,
Christchurch Botanic Gardens,
Christchurch, New Zealand.

~~1, 2, 3, 6, 7, 8, 9, 11-15, 16-27, 32-37, 39, 41, 43, 45-53, 54,
55, 58, 59, 60, 62, 64, 65, 66, 67, 68, 71-95, 97-119, 121, 123,
125-127.~~

1-3, 6-9, 11-13, 15-27, 32-37, 39, 41, 43, 45-52, 54, 55, 58-60,
62-68, 71-95, 97-119, 121, 123, 125-127.

& trees

All of the large shrubs to be grown by L. A. State & Co. Arboretum,
with the exception of several species picked for landscape value
for cultivation here.

L. A. Arboretum will wish to acquire specimens of such species
as we choose to cultivate here (Hebe, Olearia, etc.).

Dear Mr. B:-

In this Bot. Garden and in cooperation with the Los
Angeles Arboretum I am anxious to grow the following
~~considerable~~ numbers from the Seed List you were good
enough to send me.

list of hardiness.

Certain of these species will be grown ~~in this~~ ⁱⁿ Berkeley
exclusively because of their reported hardiness, some in
Los Angeles exclusively and some in both areas as ~~far~~

I am attempting to develop a small ~~area~~
Antarctic area in this Bot. Garden which is ^{as yet} relatively
poor in New Zealand material. ~~Since~~

Would it be possible for you to send such of the
seed requested as is still available by air mail or air
parcel post, which ever is cheaper, and permit me to
reimburse you for the ~~any~~ expense involved? As you doubtless
are

entering this country,
know, seeds, do not require a plant material permit.

With thanks in advance for your coop. with
best wishes

Query



DIRECTOR:
M. J. BARNETT
A.H.R.I.M. (N.Z.), N.D.M. (N.Z.)

TELEPHONES:
RESERVES OFFICE 31-516
BOTANIC GARDENS 32-253

City of Christchurch
New Zealand

Office of Botanic Gardens, Parks and Reserves

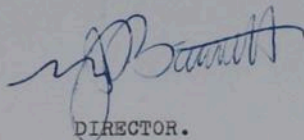
Christchurch, C.1. 8th January, 1951.

Mr. T.H. Goodspeed,
Director,
Botanical Gardens,
University of California,
CALIFORNIA.

Dear Sir,

In reply to your letter of the 15th December on behalf of the Christchurch City Council may I express our thanks to you for the amount covering the shipment of seed. The receipt for this amount is enclosed. I trust that the seed proves suitable and meets your requirements.

Yours faithfully,



DIRECTOR.



STATEMENT

N^o 18756M. *University of California**29. 12. 1960*

Address.....

Dr. to The Corporation of the City of Christchurch
194 MANCHESTER STREET

INVOICE

		<i>To Account Rendered</i>				
		<i>Acct.</i>				<i>196</i>

NO RECEIPT WITHOUT THE REGISTER-PRINTED FIGURES WILL BE RECOGNISED AS VALID

Receipt of the amount printed at the foot hereof is hereby acknowledged.

29-DEC-50 19987 For the City Treasurer ~~196~~

Cashier.



DIRECTOR:
M. J. BARNETT
A.M.R.H. (N.Z.) N.D.H. (N.Z.)

TELEPHONES:
RESERVES OFFICE 31-516
BOTANIC GARDENS 32-253

MB/MJ.

Paul-Huyson

City of Christchurch
New Zealand

Office of Botanic Gardens, Parks and Reserves

Christchurch, C. 1, 7th May, 1952.

Dr. T.H. Goodspeed,
University of California,
Botanical Garden,
Berkeley,
California,
U.S.A.

Dear Sir,

Early in August last year I arrived in San Francisco by air from New Zealand, and through your good offices we were met by a member of your staff, whose name, unfortunately, I have forgotten. In the course of conversation with your officer when visiting the Berkeley Botanic Gardens, he mentioned that you were desirous of obtaining some of our indigenous orchids for the collection at Berkeley.

We are despatching by Air Mail four species:- *Dendrobium Cunninghamii*, *Eardna autumnalis*, *E. mucronata* and *Pterostylis Banksii*. The first three named are epiphytical and grow on the upper branches and trunks of our large forest trees. The last named is a terrestrial, loving cool shaded positions.

This is the first opportunity I have had to thank you and your officer for being so kind and devoting time in showing Mrs. Barnett and I around San Francisco.

Yours faithfully,


DIRECTOR.

Berkeley 4, California
July 7, 1952

Mr. M. J. Barnett
Office of Botanic Gardens, Parks and Reserves
Christchurch
New Zealand

Dear Mr. Barnett :

This is to acknowledge your letter of May 7th and the package of orchids. The latter arrived three days ago, apparently by parcel post and not airmail. The packing material and plants were completely dry. As yet it is too early to determine whether the plants have survived but I am hopeful. It was thoughtful of you to give me notes on habitats and requirements.

It was Mr. Myron Kinnack, one of our Senior Nurserymen, who met you in San Francisco. He enjoyed the opportunity to know you and Mrs. Barnett. I will convey your thanks to him.

With appreciation of your cooperation and best wishes,

Cordially,

THG:T



DIRECTOR:
M. J. BARNETT
A.H.R.I.H. (N.Z.) N.D.H. (N.Z.)

TELEPHONES:
RESERVES OFFICE 31-516
BOTANIC GARDENS 32-253

MB/MJ.

City of Christchurch
New Zealand

Office of Botanic Gardens, Parks and Reserves

Christchurch, C. 1, 1st August, 1952.

Professor T.H. Goodspeed,
Director,
University of California Botanic Gardens,
Berkeley 4,
U.S.A.

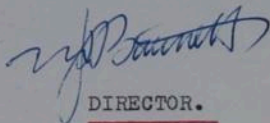
Dear Professor,

I regret to learn from your letter of the 7th July that the package of orchids did not arrive in satisfactory condition. The instructions from this office were to send the package by airmail and as far as can be ascertained this was attended to.

If the orchids do not succeed please let us know and we will have others despatched by airmail.

Please convey my kindest regards to Mr. Myron Kinnach.

I am,
Yours faithfully,


DIRECTOR.

2079 Life Sciences Bldg.
Univ. of California
Berkeley 4, California
June 15, 1950

Mr. D. Barry
11979 San Vicente Blvd.
Los Angeles 49
California

Dear Mr. Barry:

I understand that you have available for sale plants of Stangeria sp. Our specimens have recently died and we wish to replace them.

This is merely to inform you that as soon as possible after the beginning of the University fiscal year July 1st you will receive an order for two plants which I trust you will still be able to fill.

Sincerely,

THG:T

2079 Life Sciences Bldg.
March 5, 1957

Mr. David Barry
California Jungle Gardens
11977 San Vicente Blvd.
Los Angeles 49, California

Dear Mr. Barry:

For class instruction we need a replacement for the plant of Stangeria paradoxa, earlier obtained from you, which we have not been able to grow very successfully.

Would you quote prices on various sizes of this species if available.

Sincerely,

T.H.Goodspeed
Director, Botanical Garden

THG:T

2079 Life Sciences Bldg.
University of California
Berkeley 4, California
April 3, 1957

Mr. David Barry
California Jungle Gardens
11977 San Vicente Blvd.
Los Angeles 49, California

Dear Mr. Barry:

On March 5, 1957 I wrote you requesting prices on various sizes of plants of Stangeria paradoxa.

Some time ago we obtained from you plants of this species but have not been able to grow them very successfully and now urgently need replacements for class instruction.

Would you be kind enough to quote me prices at your earliest convenience or suggest someone else who might be able to supply our need?

Sincerely,

THG:T

DAVID BARRY & COMPANY

ESTABLISHED 1902

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*

Building

*

Insurance

David Barry, Jr.
Robert S. Barry

11979 San Vicente Boulevard
Los Angeles 49, California
Telephone GRanite 2-2013

*ad - Is this
specimen of yours
intended to you, answer
April 15th 1957
TBS
Yes*

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

Dear Dr. Goodspeed:

I regret being so long in answering your inquiries for plants of Stangeria. I have but one specimen which I should like to keep as an item in my collection of cycads.

The only surplus stock of African cycads is that of small seedlings of Encephalartos lebomboensis out of 3" pots at \$5.00.

We know of no stock of Stangerias in this country. It is my understanding that the plant is not rare in its native land and I should think that the Department of Agriculture at Pretoria might be persuaded to supply a small number of this species on a basis of exchange of plant material.

Sincerely yours,

David Barry, Jr.

*order
2
sour time
? after 7/1*

P.O. K. 79744

*I used this letterhead
through error. Calif. Jungle
Gardens is a side line.*

2079 Life Sciences Bldg.
University of California
April 25, 1957

Mr. David Barry Jr.
California Jungle Gardens
11979 San Vicente Boulevard
Los Angeles 49, California

Dear Mr. Barry:

Thank you for your letter of April 15th concerning available stock of African cyeads.

Please send me two plants of Encephalartos lebomboensis out of 3" pots. I assume that your quote of \$5.00 each includes transportation costs. If not, either include mailing cost in your bill or send by express collect.

Send bill in triplicate to the office of the Controller, University of California, naming the Botanical Garden as the purchaser and referring to order No. K-79744.

With thanks for your courtesy,

Sincerely,

THC:T



COUNTY OF ALAMEDA

OFFICE OF THE
BOARD OF SUPERVISORS
OAKLAND 7, CALIFORNIA

June 28, 1949

MEMBERS OF THE BOARD
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THOMAS E. CALDECOTT, 4TH DISTRICT
CLIFFORD WIXSON, 5TH DISTRICT

HARRY BARTELL, CHAIRMAN
G. E. WADE, CLERK

STANDING COMMITTEES
AUDITING AND FINANCE
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BUILDINGS AND ESTUARY BRIDGES
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HOSPITALS AND INFIRMARIES
GEO. A. JANSSEN, CHAIRMAN
ROADS AND FRANCHISES
CHESTER E. STANLEY, CHAIRMAN

Mr. T. Harper Goodspeed
551 Santa Rosa
Berkeley, California

Dear Mr. Goodspeed:

The Alameda County Agricultural Fair will open on June 29th and operate through to July 9th, inclusive. There is no admission to the Fair Grounds, and I am enclosing herewith "tax free" tickets that will admit you to the Grandstand.

I hope you will be able to take advantage of the excellent fair that is being operated by the Fair Association of Alameda County under the direction of the Board of Supervisors.

With kind personal regards, I am

Sincerely

Harry Bartell
CHAIRMAN, BOARD OF SUPERVISORS

HB'E
ENC.

June 30, 1949.

Mr. Harry Bartell,
Chairman, Board of Supervisors,
Oakland 7, California.

Dear Mr. Bartell,

I appreciate your kindness in sending me
tickets to the Grandstand at the Fairgrounds in
Pleasanton.

With best wishes,

Cordially yours,

THG/EN

JOHN CARLETON BARTLETT, M. D.

2300 Durant Avenue
Berkeley 4, California

June 22, 1957

Prof. Thomas H. Goodspeed
661 Woodmont
Berkeley 8, California

Dear Professor Goodspeed:

In response to your request for a report on your general health, the following is offered.

Since 1953 I have examined you several times thoroughly, and observed you through minor illnesses. The blood pressure has been elevated several times when there was undue stress, but it has always returned to normal after proper rest. During the past year the blood pressure has averaged 140/80. You are physiologically much younger than your chronological age.

Consequently, I consider you in very good health with the assurance that you can retain good health if your life can be kept free of unusual tension or strain.

Yours sincerely,

(signed)
John C. Bartlett, M.D.

JCB/ds

11 Egerton Street

Chester, Cheshire,

England. 29/1/52.

To who it may concern,

Sir,

Whilst reading, "Plant Hunting in the Andes" by T. Harper Goodspeed, I came across the photograph of a plant which so greatly impressed me that I decided to endeavour to acquire it. I did therefore write to the Author but to ~~no~~ no avail, so I then contacted Kew who had the book in their library but were unable to identify the plant, so therefore do I make one last attempt to acquire this.

The plant in question is on a Plate facing page 352. and is billed as a Compositae (the photo underneath is of a Cjophora).

The composition of the plant is very much like an Echeveria so much in fact that I would have said that's what it was were it not for the flower.

Therefore could you assist me in the following.

1. The Name.
2. Whether it will grow here (IM England - I have Glass)
3. whether the Seeds are available,
4. and if so how do I obtain them.

I must at the same time offer you my sincerest wish that I have not caused you either embarrassment or inconvenience through this letter

I remain,

Yours Faithfully,

K. J. Barton.

Kenneth J. Barton

Berkeley 4, California
November 12, 1952

Mr. K. J. Barton
11 Egerton Street
Chester, Cheshire
England

Dear Mr. Barton:

Your letter dated January 29 addressed to "Who it may concern" was forwarded to me some time ago. Your earlier letter must have miscarried -- at least I did not receive it.

The photograph in "Plant Hunters in the Andes" to which you refer certainly suggests a species of Echeveria. It is, however, a composite as the legend states. I saw it many years ago near the limits of vegetation in isolated groups on scree slopes in the central Chilean Cordillera. The seed was not mature and the area has not been revisited by me or my assistants. Apparently we took no herbarium specimens.

If I had received your letter a little earlier it might have been possible to get seed for you because I spent January to April in Chile this winter, my sixth plant hunting expedition in South America.

Unfortunately, I know of no one in Chile who could supply seed.

Sincerely,

THG: T

November 9, 1953 -

Professor - T. H. Goodspeed -

551. Santa Rosa Ave - Berkeley Cal. USA. (Argentina)

JUNCAL 1015

Bs. As.

Dear Mr. Goodspeed: You may be surprised to hear from me, as we have not met, for quite a while -

I had always hoped to travel to the USA and visit you, but since I last saw you things have changed so, that God knows when I shall be able to travel.

A few weeks ago a first cousin of mine by the name of Emilio ^{7. ml. to Aron} Anchorena, told me he had sent his son (of the same name) to Berkeley, University Cal. to study there and he went there

all by himself and with little knowledge of the English language. As far as I know, he is not a "spoiled child" and he is a well behaved and normal person, but he has never left his home before and of his country and family, therefore I promised his mother and father that I would send a note to you, so that if it is possible you should look him up and give him a few tips or good advise as how to put up with his new college life in a new country. Thanking you in advance and wishing you a very happy *Duas*. I remain yours truly,
N. Ortiz Basvaldo (NICOLAS ORTIZ BASVALDO)

Berkeley 4, California
November 19, 1953

^{Ua}
Sr. Nicolas Ortéz Basveldo
Juncal 1015
Buenos Aires, Argentina

Dear Friend:

Immediately upon receipt of your letter of the 9th I inquired about Emilio Anchorena. His name does not appear on any list of students enrolled at the University of California in Berkeley.

In addition to the campus at Berkeley this University has seven other campuses: Of these Sr. Anchorena might most probably be in Los Angeles, Santa Barbara or Davis. The first two are in Southern California, the third is the agricultural school sixty miles away from Berkeley in the Sacramento valley.

Unfortunately the lists of students on the other campuses are not, at the moment, available here or I could determine where he is enrolled. It is possible, of course, that he did plan to study at Berkeley but upon arrival found that he must fulfil certain additional scholastic requirements before being admitted as a regular student. This would mean that he might be living in Berkeley and taking courses in some preparatory high school.

If he should chance to be in Santa Barbara my son, who is a Professor on that campus, would be most happy to get into touch with him. Should he be in Los Angeles, which is relatively near Santa Barbara and where my son has many friends on the faculty, we should be able to be of service to him.

Incidentally, is Emilio related to Aron Anchorena, with whom we spent a most pleasant week end in, I think, 1943 at his remarkable estate near Montevideo?

It was very good to get into touch with you again. Of my friends in Buenos Aires I hear only from Abel Saint whose last letter arrived with yours. I am sorry that I am now out of touch with the Francisco Justos, of whom we saw so much during our numerous visits to Aggabbina.

With all good wishes and in the hope that you will let me know if I can do anything for the young man.

Cordially,

please?

~~Marcos Antognetti~~

Juncal 1015

Buenos Aires, November 26, 1953.

Professor Mr. I.H. Goodspeed
University of California
Berkeley 4, California

Dear Mr. Goodspeed:

I received today your letter dated November 19, 1953. Many thanks! I am sorry to learn that you took all the trouble to find E. Anchorena and failed to do so. So I went this day to his home here, and read your letter to his father and mother. They told me that although he had left with the necessary credentials in his possession for becoming a student in Berkeley, he had had to take an accelerated course in the English language on his arrival in order to enter as a regular student of the "International House" in January 1954.

His present address: Emilio Anchorena (1)
2014 Delaware Street
Berkeley 9.- California.

(1) His father is a nephew of Arón Anchorena.

I was very much surprised to hear that something went wrong with his application papers, and he had to pay a \$ 200 fine. I hope it is not anything that would affect his good name as a new-comer.

I hope that this letter will not be delayed so as to comply with your generous and quick reply. May be we shall someday have the pleasure of seeing you again over here very soon.

With my best wishes, very sincerely your friend

~~Jul 22 1958~~
Nicolas
N. Ortiz Brunaldo

Buenos Aires, November 20, 1953.

Call
TR Moore

Professor R. L. Woodson
University of California
Berkeley

marcos
Intoxilita

Dear Professor Woodson:
I received your letter dated November 19, 1953.
I was glad to learn that you took all the
trouble to find E. Anchoren and failed to do so. I
went by to his home here, and read your letter to
his father and mother. They told me that although he had
left with the necessary credentials in his possession for
becoming a student in Berkeley, he had had to take an ac-
celerated course in the English language on his arrival
in order to enter as a regular student of the "Intern-
tional House" in January 1954.

His present address Emilio Anchoren (II)
2014 Delaware Street
Berkeley 9, - California.

(I) His father is a nephew of Arán Anchoren.

I was very much surprised to hear that something went
wrong with his application papers, and he had to pay a
\$ 200 fine. I hope it is not anything that would affect
his good name as a new-comer.

I hope that this letter will not be delayed so as to
comply with your generous and quick reply. May he be
still someday have the pleasure of seeing you again
over here very soon.

With my best wishes, very sincerely your friend

W. P. H. Brouncker
1953

Berkeley 4, California
February 2, 1954

Sr. N. Ortiz Basvaldo^u
Juncal 1015
Buenos Aires, Argentina

Dear Friend:

I have seen Emilio Anchorena twice and he seems to be getting along satisfactorily in his course in English. This is the only course that he has been taking since his arrival here. I do not know whether he passed successfully because he has changed his residence recently and I have not had time to look him up. I will try to get a report from him soon. He hoped to be able to enter the University when the new semester begins on February 15th. In that case I think that he wishes to live in International House.

I find Emilio rather young and perhaps a little inexperienced. On the other hand, he appears to be serious minded and is making a sincere effort to learn English. I invited him to my home for dinner on Christmas day but through misunderstanding we did not have the pleasure of entertaining him.

Please accept my best wishes.

Cordially,

THG:T

Please return to T.H. Goodspeed
2079 L.S.B.

N. Ortiz Basualdo
Juncal 1015
Buenos Aires Argentina

23 October 1956

Director T.H. Goodspeed
551 Santa Rosa Ave. Berkeley Cal.

Dear Mr. Goodspeed: We have in our place in the province of Buenos Aires (lat. 37°S, long. 60°W) a few specimens (from seed) of Colorado Blue Spruce, (*Picea pungens* Glauca). When we brought them from the Andes Mountains (lat. 41°S, long. 71°W) 16 years ago, they had a distinct light blue color and were about 1 and 1/2 ft. high.

Now they have turned to a greenish grey color and their growth (about 4.5 ft. now) seems to be retarded, as compared to those in the mountains. What kind of chemical and mechanical soil treatment would you recommend to preserve their beauty in color and shape?

Recently we have purchased 6 perfect new specimens of Blue Spruce to decorate our front lawn, and down here no one can give us the instructions we need. These 6 plants are also from seeds and as regards the weather conditions in the two latitudes, they are very near the same.

Altho' our life has changed very much to better times in the political field we have not yet found the way to take a trip to your wonderful country. Please remember me to your wife and hoping to see you over here I remain yours sincerely

N. Ortiz Basualdo

2079 Life Sciences Bldg.
University of California
Berkeley 4, California
October 30, 1956

Mr. N. Ortiz Basualdo
Juncal 1015
Buenos Aires, Argentina

Dear Mr. Basualdo:

It was pleasant to be in touch with you again through yours
of October 23rd.

I am referring you request for information on the two problems
concerning the Blue Colorado spruces you are growing. I hope
that there will be someone who can give you expert advice --
I certainly am unable to do so. When I have information I
will forward it to you or you may be addressed direct by one
of those to whom your letter is referred.

According to my remembrance I had the pleasure of meeting you
through Francisco and Elsie Justo. It has been a long time
since I have heard from or about them. If you are in touch
with them perhaps you could sometime let me have news of them
and their present address.

My wife, Florence, died a number of years ago and I have since
remarried. We are hoping to be in South America within a
year and will look forward to the opportunity of seeing you
and our other Argentine friends.

With all good wishes,

Cordially,

THG:T

N. ORTIZ BASUALDO
Juncaal 1015
Buenos Aires, Argentina
November 6, 1956.

Mr. T. H. Goodspeed
2079 Life Sciences Bldg.
University of California
Berkeley 4, California, U.S.A.

Dear Mr. Goodspeed:

Many thanks to you for your prompt answer to my request about soil treatment for "*Picea pungens glauca*".

I regret I cannot give news about Francisco and Elsie Justo. We have lost touch with them and cannot even find their present address; it is more than ten years since we saw them last. We live, half the year, in the country that may be the cause.

We hope to see you when you come next year. My wife joins me in sending you our best wishes.

Yours sincerely

N. Ortiz Basualdo -

2079 Life Sciences Bldg.
University of California
Berkeley 4, California
April 4, 1957

Mr. N. Ortiz Basualdo
Juncal 1015
Buenos Aires, Argentina

Dear Mr. Basualdo:

I have not neglected your second letter (Oct. 23, 1956) concerning your blue spruces. It has been difficult to get much helpful information, however.

Prof. Fritz of our Depto. of Forestry writes "That some *Picea pungens* turn gray green is natural -- some horticultural varieties are blue, some blue green and some gray. If Basualdo's trees were grown from seed of horticultural varieties he might have almost anything in this color range. That the color and growth rate change with transplanting from one soil or climate to another is to be expected and I cannot find information concerning possible additive soil factors which would offset unfavorable natural soil factors."

Others from whom I have sought information on this last point have had nothing to suggest.

Mrs. Goodspeed and I expect to be in Buenos Aires and elsewhere in Argentina either in October on our way to the west coast or in March on our way home. I am directing a 6th Botanical Garden Expedition to South America from September to April. We will look forward to the pleasure of seeing you and our other friends in Buenos Aires.

With all good wishes,

Cordially,

THG:T

N. ORTIZ BASUALDO
Juncal 1015
Buenos Aires, Argentina

April 24, 1957

Mr T. H. Goodspeed
2079 Life Sciences Bldg.
University of California
Berkeley 4, Cal - U.S.A

Dear Mr Goodspeed:

Many thanks for your letter (Apr. 4, 1957) with the interesting data about blue spruces as given to you by Prof. Fritz. Although all my blue spruces come from the same place and were grown from seed, they certainly vary in color. Some are of a definite blue color others gray green.

I certainly appreciate your coming back to this country and hope we shall meet somewhere in Bs. As. - Probably in an interesting conference about your ~~about you~~ 6th Botanical Garden Expedition. This time my eldest daughter and son will have the pleasure of meeting you -

With our best wishes, very sincerely

N. Ortiz Basualdo -

May 18, 1953

Mr. George F. Baughman
Business Manager
University of Florida
Gainesville, Florida

Dear Mr. Baughman:

Mr. Norton, Business Manager of this University, has sent me copy of yours to him dated May 6, referring to development of your State Garden Center.

We maintain a Botanical Garden primarily to provide living plant material for classroom work and research. This objective is interpreted rather broadly and our unit collections of Rhododendrons, Roses, Fuchsias, etc., while emphasizing annotated species material, contains races of horticultural interest. Thus, the interested public is able to see new and unusual plants oftentimes before they are offered in the trade.

We do not offer any courses or informal instruction in gardening although many garden clubs and similar organizations frequently visit the Botanical Garden and discuss problems of plant culture with the members of the staff.

W an enclosing a brief and now somewhat out of date description of this Botanical Garden.

Sincerely,

THG:T
cc: Wm. J. Norton

T.H. Goodspeed
Professor of Botany and
Director of the Botanical Garden

C
O
P
Y

University of Florida
Gainesville, Florida

May 6, 1953

Mr. Wm. J. Norton
Business Manager
University of California
Berkeley, California

Dear Mr. Norton:

This office is interested in the possible development of a state garden center on the campus of the University of Florida.

I would appreciate your advising me if you have anything on your campus which would resemble a state garden center or local garden headquarters and, if so, the name of the person with whom I should communicate in order to obtain more information on this installation.

Very truly yours,

George F. Baughman /s/
Business Manager

GFB:ci

May 13, 1953

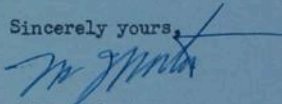
Professor T. Harper Goodspeed
Botanical Gardens
2079 Life Sciences Building
Berkeley Campus

Dear Harper:

Under date of May 6 I have a letter from George F. Baughman, Business Manager, University of Florida, Gainesville, Florida, a copy of which is attached herewith.

You will note that Mr. Baughman refers to "state garden center." It occurred to me that while we do not term our Botanical Gardens a "state garden center," you might have some suggestions for him.

Sincerely yours,



Wm. J. Norton
Business Manager

WJN:C
Enclosure

cc: George F. Baughman

MEL-WILLIAMS COMPANY

FOOD PRODUCTS

MANUFACTURERS' AGENTS - CANNERS' REPRESENTATIVES



TELEPHONE
EXBROOK 2-7368
CABLE ADDRESS
MELCO

112 MARKET STREET
SAN FRANCISCO 11, CALIF.

Oct. 25, 1951.

Dear Harper:

I have been away for the past ten days, and upon phoning your office this morning, they told me you were laid up, and needed to take a rest.

I do hope that it will not interfere with your trip, which I recall you told me at the Club, was to start about this time.

I am still very much interested in getting the young Dawn Redwood trees, the Lawson cypresses, fuchias, and any other trees for my garden at Los Altos.

I could go over next Thursday at noon time, to be there at the bath house (I think you said) at one o'clock, as I presume the gardener takes 12 to 1 for lunch.

Certainly hope you are well on the way to your old healthy state, let your secretary send me a note, whether Thursday is OK or not.

Cordially,

Chas. F. Williams

American Begonia Society

Affiliated with the American Horticultural Society

OFFICIAL

The BEGONIAN

PUBLICATION

JUNE
10
1952



*Oliver
June 6/25/52 - ack
suggested ack
C. C. C.*

Dr. Harper Goodspeed
Botanical Gardens
University of California
Berkeley, Calif.

Dear Sir:

Members of Southern Alameda County Branch
of the American Begonia Society are most
anxious to have a speaker on the culture
of ferns.

Knowing of your experience and wide acquaintance
among flower growing people I am writing to ask
if you are available to give us a talk on fern
culture, on July 17.

Our meetings are held in the Hayward high school
cafeteria at 8 P.M.

In the event you are not available as a speaker
could you suggest a person, or persons, whom I
might contact.

We are most anxious to have a speaker on the subject
and anything you could do to help would be most
appreciated.

Sincerely,

Mrs. A. R. Baylis
corresponding secy. ✓
26706 Monte Vista dr.
Hayward, Calif.

LU-1-9304

WSPA
Rock

June 6, 1932

Mr. George B. Becker,
Division of Foreign Plant Quarantines,
U. S. D. A.,
Washington, D. C.

My dear Mr. Becker:-

May I ask your opinion on the following matter?

Dr. Joseph F. Rock, who for many years has been a collaborator of the Division of Foreign Plant Introduction, is engaged in a plant exploring expedition in western China under the auspices of the Botanical Garden of this University. All materials which he collects are to be forwarded to us for distribution. It goes without saying that a full set of everything will be turned over to the Bureau of Foreign Plant Introduction. The University of California imports seeds under Permit No. 203. Dr. Rock will be sending in by mail seed of at least 500 new or little known species. Should he use Permit No. 203, and does he need any special tags or designations to put on his mail shipments?

Dr. Rock's shipments have in the past been made largely to the Bureau of Foreign Plant Introduction under, I imagine, a special permit number. I must communicate with him soon as to the way in which to handle these shipments of seeds. Accordingly I should like to be prepared, although I do not actually anticipate any shipments before the late fall.

Thanking you in advance for your attention in this matter, and with best wishes, I am

Yours very truly,

T. H. Goodspeed
Professor of Botany and
Curator of the Botanical Gardens

Berkeley 4, California
October 21, 1958

Mr. Lucius Beebe
Territorial Enterprise
Virginia City
Nevada

Dear Mr. Beebe:

Mr. Hagan in the San Francisco Chronicle referred some time ago to your forthcoming "Mansions on Rails: the Folklore of the Private Railroad Car." In that connection you may be interested in the following.

My first wife's father, Solon S. Beman, was in the 1900's, a prominent Chicago architect. As a young man he was connected with a firm of New York architects. They put him into touch with Geo. M. Pullman, who was looking for someone to design what became the town of Pullman, Illinois. They were closely associated for some years during the building of Pullman and Mr. Pullman contended that it was the first self-contained community in this country designed to accommodate a large manufacturing project and its personnel.

When the town was completed Mr. Pullman said to Mr. Beman, "We will name it for both of us, using the first half of my name and the last half of yours."

I think that Mr. Beman designed the original and exceedingly ornate "Pullman Palace Sleeping Car" which was exhibited at the Philadelphia Exposition.

Sincerely,

Professor of Botany and
Director of the Botanical Garden,
Emeritus

THG:T

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH ADMINISTRATION
Bureau of Agricultural and Industrial Chemistry

UTILIZATION OF FARM PRODUCTS

EASTERN REGIONAL RESEARCH LABORATORY
CHESTNUT HILL STATION
PHILADELPHIA, PENNSYLVANIA (18)

May 27, 1946

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

Dear Dr. Goodspeed:

In reply to your request of May 23, we will send to you samples of the seed we have recently secured from Syria and trust that some of them at least will prove of interest to you.

I have often wondered if you have a list of the *Nicotiana* species and varieties that you have at the Botanical Garden. At the moment I am not desirous of requesting any samples of seed, but such a listing as you could furnish would certainly be informative and of possible future use.

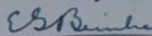
I note that you are about to depart for Columbia and wish you a most pleasant journey.

I hope that you will be able to find a specie: or variety that is suckerless and which the geneticists might use to produce for us a suckerless rustica. As you well know the economics of nicotine production would be considerably improved if the producer would not have this rather high charge on his crop.

I have recently received inquiry from the California Plants Distillation Co., Inc. at Oakland, whom you have referred to me concerning their possible interest in rustica. What crops do these people now grow and extract?

I note your correction of No. G-015P4. I find that I have the correct designation in my notebook and the number in my letter of May 1 was apparently a typographical error. Unfortunately none of the seed of G-015P4 germinated. If you can spare me a few more I shall try again. With best wishes, I am

Yours very truly,



E. G. Beinhart
Tobacco Technologist
Biochemical Division

March 22, 1948

Mr. E. G. Beinhart
United States Department of Agriculture
Chestnut Hill Station
Philadelphia 18, Pennsylvania

AIR MAIL

Dear Friend:

Your last letter received here after my departure for South America in the summer of 1946 has just come to light. You doubtless wondered whether I ever got back from that trip to the south.

You refer to a list of *Nicotiana* species we grow. The reprint I am sending separately shows in both articles the species I consider valid. Of them we have seed of all except *N. ameghinoi*, *N. stenocarpa*, and *N. ingulba*, species we have never been able to grow, and *N. acaulis* and *N. thyrsoiflora* which have been so difficult to grow that we have lost them from our collection. I now have a program for keeping up our supply of viable seeds of all our species. We appear to be the world's chief source of seeds to judge by the requests that we receive for it.

My monograph on the genus *Nicotiana* will be ready for press this year, and the two other reprints I am sending you will give some idea of the kind of material it will contain and its prime objective. It will not have much to say about the agricultural significance of *N. tabacum* or *N. rustica*. However, I want to mention or give a few references in the literature to the following:

1. World production of *N. tabacum* versus *N. rustica* (and other species if any) in acres or pounds.
2. Relative production of the two species in chief tobacco-producing parts of the world.
3. Relative amounts of the two produced for smoking and chewing and for production of insecticides, nicotinic acids, and other uses, if any.
4. Recent work done on disease resistance, increasing yield, improving quality of nicotine sulfate content.

"Production of tobacco" was a great disappointment to me, and I can't have too much confidence in anything he says (apart from the strictly cultural aspect about which I know nothing) because on the topics I do know about his statements are entirely out of date as well as inadequate. Is there any relatively recent government report which would supply at least part of the information I want? Don't go to any trouble in this connection because Clayton in Washington should be able to give me what I need. However, I would prefer to get something down on paper and then send it to him for suggestions. I note in your letter that you want a seed of our G-015P4 or equivalent, which did not germinate for you. Do you still want it?

Mr. E. G. Beinhart

- 2 -

March 22, 1948

Is there anything else we have that you need. Forgive my seeming neglect and discourtesy. Hope you can get out this way some time soon.

With all good wishes,

Cordially yours,

THG:jd

Sent:

147 } Kay 2
148 } Tay
157 - evolution
159 - fertilization

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH ADMINISTRATION
Bureau of Agricultural and Industrial Chemistry

UTILIZATION OF FARM PRODUCTS

EASTERN REGIONAL RESEARCH LABORATORY
CHESTNUT HILL STATION
PHILADELPHIA, PENNSYLVANIA 18

April 2, 1948

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

Dear Dr. Goodspeed:

This will acknowledge your very good letter of March 22, which partly answers my letter of May 27, 1946. I am hoping that this will find you still in the United States so that you will be able to answer one or two of the questions that are to follow.

I thank you for the two reprints "On the Evolution of the Genus Nicotiana," and "Maturation of the Gametes and Fertilization in Nicotiana," and also for the University of California bulletin "Studies in Nicotiana. III. A Taxonomic Organization of the Genus." I wish you would place my order for a copy of your forthcoming monograph on the genus Nicotiana, and we also would like to have a copy for our library.

Concerning the four items listed in your letter on the economics of tobacco, I will prepare a short statement for you if you want, on the first three items, and the last part of item four. Both E. E. Clayton of Beltsville, and Fred Wolf at Duke should be able to help you on disease resistance, etc. I will give you of course, the source of material on production.

If you have a few seed of your G-015P4 or equivalent, I would appreciate it. The few plants that finally grew for me were sterile. If you can spare a few seed of that number, I shall appreciate it.

I am especially interested to have your suggestions on how to effect the sucker habit in *N. rustica*. Do you think your Berkeley cyclotron might effect the chromosome structure as to inhibit or stop the production of axillary suckers. Furthermore, would the use of plant regulating substances affect the chromosome structure. As you know, the sucker growth in *rustica* is a considerable economic handicap in the production of nicotine because of the labor costs involved in removing suckers. It is essential that the suckers be removed when small in order to secure the maximum production of nicotine. Harold H. Smith started work upon this idea at my suggestion some years ago, but he has been unable to draw anything out of the hat. In this modern age, the biologists are securing some rather peculiar results. Since

2-T.H.Goodspeed-4-2-48

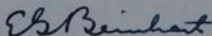
your laboratory is the leading laboratory in the world interested in Nicotiana, you might be able to offer suggestions on how to get a suckerless rustica or one in which the sucker habit is at least inhibited.

Can you recall any nicotiana species or rustica variety that you and your group have seen that are suckerless or that produce a minimum of sucker growth. Your full opinion upon this item will be greatly appreciated. Please advise if you would be willing to treat some seed with cyclotron and X-ray.

Your Brazilian variety is one that might be of interest for field production. Two others of the so-called large type USDA #34753 and Olson 68 would be of interest here. I also have three Russian varieties, apparently developed in Siberia, and which we secured on the only return lend-lease arrangement that I know of, in 1943, from Moscow. They are also of considerable interest to me. These are small plants producing 8 to 10 leaves and blooming in about 30 days as compared with 60 days for Olson 68. We are trying to adapt the Russian varieties in Alaska, although they may be of considerable value also in the eastern humid region. If you will be good enough to treat the seed for me, I will air mail it to you as we should be planting our seeds here by April 25.

With best wishes, I am,

Yours very truly,



E. G. Beinhart
Tobacco Technologist
Biochemical Division

April 10, 1948.

Mr. E. G. Beinhart,
Biochemical Division,
U.S. Dept. of Agriculture,
Chestnut Hill Station,
Philadelphia 18,
Pennsylvania.

Dear Friend,

Many thanks for yours of April 2. I will send the seed of *N. rustica* var. *brasilia* separately and boxed. In a letter the stamping machine sometimes crushes tobacco seed.

I will certainly appreciate your notes on the matters I asked you about and will see if Clayton can supply the remainder.

Concerning suckering of *N. rustica*, I don't quite understand why the suckers need to be removed if the crop is grown to produce nicotine. It would seem to me that bulk of nicotine producing tissue is what you would want and the more leaves the plant produces, irrespective of their average size, the more product will be obtained. This statement probably indicates my entire ignorance of the problems involved.

It is true that we produced after a number of generations from X-raying of *N. tabacum* a race which under one condition of culture did not begin to sucker as easily as the un-X-rayed parent variety. This was just a chance occurrence in a 5 year sequence involving many thousands of plants. As you know, treatment of plants and especially of such amphiploid species of *Nicotiana* as *tabacum* and *rustica* has a shot gun effect. The "germplasm" is banged about to such an extent that fertile derivatives may keep on showing variation for many generations. I would hate to see you undertake a program that inevitably will involve the working over of so many plants with so little chance of getting stable derivatives that are non-suckering and still have retained the necessary vigor and nicotine content to become of crop importance.

248,
I suggest a program involving sesquidiploidy. Holmes, as you know, was able to introduce into tabacum (t) the necrotic spot resistance of *N. glutinosa* (g) to mosaic. He produced a tetraploid tabacum and crossed it to *glutinosa* to produce the sesquidiploid (sesquidiploid = $1\frac{1}{2}$ diploid just as ampidiploid = double diploid = both parental species diploid). It was fertile because it had the regular two sets of tabacum. However, the progeny produced by selfing a backcrossing the sesquidiploid showed variation because the plants possessed in addition to, tt 1-12 g. In later generations Holmes apparently got interchange of segments between a t chromosome and the portion of the g chromosome bearing the factor for mosaic resistance.

We have gotten a variety of stable products out of a tabacum x *sylvestris* (s) sesquidiploid (48t + 12s) by selfing as a result of adding an s pair to give a plant with 50 chromosomes (48 of which were t and two of which were s) or by replacement of a t homolog by an s one so that the meiotic situation was 23 tt ^{plus} 1 ts. Doubtless, segmental interchange then could have occurred between the two members of the ts pair to give further variation and greater stability.

Why not try to make a sesquidiploid between *rustica* (in the 4n condition) + *glauca* and/or *otophora* and/or tabacum of the mammoth or other variety with reduced suckering and/or any other relatively non-suckering shrubby or semiarborescent species? Then self and back cross and select for some generations. This scheme certainly offers more prospects of success than treatment with high frequency radiation.

However, if you want to try x-radiation it can be done most readily by seed treatment and in one of your Philadelphia hospitals. There is a little book, very popular in treatment but remarkably accurate, which you might like to have if you try sesquidiploidy (it describes chromosome doubling techniques) or x-rays. It is called "Plant Magic" by James P. Haworth and is published by Binford and Mort, Portland, Oregon. If you cannot get a copy I will lend you mine.

Hope I have been of some use in the above.

Best wishes,

Cordially yours

UNITED STATES DEPARTMENT OF AGRICULTURE

~~DEPARTMENT OF AGRICULTURE~~

AGRICULTURAL RESEARCH ADMINISTRATION

Bureau of Agricultural and Industrial Chemistry

UTILIZATION OF FARM PRODUCTS

EASTERN REGIONAL RESEARCH LABORATORY
CHESTNUT HILL STATION
PHILADELPHIA, PENNSYLVANIA

November 19, 1948

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

Dear Doctor Goodspeed:

I would inquire as to your observations on the growth of plants produced from seed which had been X-rayed. Have you observed any increased vigor in such plants?

In 1947 we grew the progeny of several plants of *N. rustica*, variety Olson 68. All of the seed had been exposed to X-ray treatments. The general vigor of the plantings was excellent. The plantings were quite homozygous, showing no apparent effect upon the chromosome structure (which had been the basic intent of the treatment).

The 1948 crop at Wyndmoor was grown from untreated seed secured in the 1947 crop. The growth was average.

In 1948, however, I grew one row of Olson 68, the seed of which had been X-rayed. In the seed bed this lot appeared to germinate a little slower than did the regular sowing, but the seedlings became ready for transplanting in a normal period. Transplanted to the field, this lot maintained a general vigor exceeding that of the regular crop by perhaps 10 percent, and it maintained such advantage through the season, a sort of "hybrid vigor".

I can not ascribe the exceptional growth to any factors in the environment. The behavior of the X-rayed material grown in 1948 may have been due solely to some unknown circumstances of the local environment; and the behavior of the 1947 crop may also have been due to similar chance circumstances.

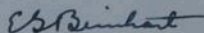
2-Dr. T. H. Goodspeed 11-19-48

I did not use untreated seed in 1947 for a check to show possible differences. However, we had a "vigorously" growing crop in 1947 and 1948 from seeds which had been X-rayed.

I shall be obliged if you will advise if you have ever observed a similar phenomenon from seed treated with X-rays.

I would like to repeat the experiment in 1949 and would inquire if you would be good enough to treat some seed for me, with a light and heavy X-ray treatment. If you are agreeable, I would like to send you two varieties of *N. rustica*, one *N. tabacum* and perhaps two garden vegetable seeds. I await your advice with interest.

Sincerely,



E. G. Beinhart
Tobacco Technologist
Biochemical Division

Dept. of Botany
Berkeley 4, California
February 15, 1949

Mr. E. G. Beinhart
Biochemical Division
U.S. Dept. of Agriculture
Chestnut Hill Station
Philadelphia 18
Pennsylvania

Dear Friend:

I am sorry that your letter of November 19 has not earlier been acknowledged. Actually we did not return from South America until just before Christmas and since that time I have been a bit crowded with accumulated business.

Your report of growth reaction following x-radiation is interesting and somewhat surprising. In my experience, as doubtless in yours, it is hard to be sure of differences between treated and control when the cultures are field grown.

I am sure that you would have most success in continuing the x-ray work if you asked the Physics Dept. at the University of Pennsylvania to give the exposures. In the first place, I am no longer conveniently set up to x-ray material and second, you probably should use soaked seed just on the point of germinating and then immediately get the seed into soil or sand. If we did the x-raying here such a sequence would not be possible. I would suggest using a range of 1500 to 5000 R units for varying lengths of time.

Almost a year ago I asked you whether you could help me out with some data on the economics of tobacco, etc. You were good enough in your letter of April 2 to agree to do so. Probably in the press of other business this has escaped your mind but I would certainly appreciate whatever you can do for me and preferably rather soon because I am pretty far along with my *Nicotiana* monograph.

With all good wishes and kindest regards

Cordially yours,

THG:T

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY
PHILADELPHIA 18, PENNSYLVANIA

March 16, 1949

AIR MAIL

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

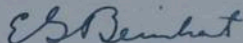
Dear Dr. Goodspeed:

In response to the four items contained in your letter of March 22, 1948, I am enclosing herewith several paragraphs of notes which may be of value to you. You will observe that this material is not written with any definite application as I do not know just how it will fit into your monograph.

Furthermore, I do not know how much material you desire. I am sending these notes to you for whatever they may be worth and shall be glad to have your opinion as to their usability. If you desire more material, I shall be glad to assist you in any way I can. It would help, however, if I could have an opportunity of reading the chapter into which it is to fit.

I trust this letter catches you before you may again be starting off for South or Central America.

Sincerely yours,



E. G. Beinhart
Tobacco Technologist
Biochemical Division
Eastern Regional Research Laboratory

Enclosure

Notes by E. G. Beinhart

The world production of tobacco is estimated at around 7 1/4 million pounds produced on about 8 million acres. The production in any one country varies from year to year due to seasonal and other crop factors, demand and acreage control regulations.

The production of N. rustica is estimated to be 792,000,000 pounds from 689,000 acres, nearly all of which is grown in the Soviet Union, India and Pakistan. Smaller, undetermined acreages are also grown in Arabia, Persia, Syria, Abyssinia and Central Europe largely for the manufacture of snuff and hooka smoking tobacco.

	<u>Estimated Acreage</u> Acres	<u>Estimated Production</u> Pounds
U.S.S.R.	333,000	308,000,000
India & Pakistan	346,000	472,000,000
Central Europe	10,000	12,000,000
Total	689,000	792,000,000

Small areas, reportedly 300 to 1000 acres, are being grown in Australia and southern Africa for the production of nicotine. The production of rustica in the United States for nicotine extraction is still in the experimental stage, and the total acreage is very small.

No reliable figures are available as to the amount of rustica utilized in the Soviet Union for nicotine, nor the ^{to} amount of nicotine alkaloid produced. They have been devoting considerable attention to the selection and breeding for high nicotine content. Only a very small percent of their large acreage would be needed to supply their alkaloid needs. They also are reported to reclaim citric acid, malic acid, and seed oil for the food, lacquer and soap industries. Certainly the largest portion of the Russian grown rustica is consumed in smoking and chewing tobacco and snuff. The Indian and Pakistan production is all used for similar tobacco purposes. Interest in nicotine

extraction in India, however, is a recent development.

The importance of rustica production in the Soviet tobacco economy is shown by comparing the estimated 333,000 acres of rustica with 225,000 acres for N. tabacum, and the 308 million pounds of rustica produced with the 163 million pounds of tabacum varieties, much of the latter being of the "Turkish" or aromatic type.

The Indian production of N. tabacum is estimated at around 765,000 acres and 491,000,000 pounds.

The Russian production is rather widespread, extending to Siberia, with the greatest acreage in the Ukraine. About 20 varieties are grown. Selection is under way for high nicotine content for the industrial utilization.

The Indian production is spread across the entire northern part of that country and above the line joining Calcutta and Karachi with 70% produced in the United Provinces Bihar and Bengal.

All of the rustica that is grown is apparently consumed in the country of origin or close to the borders since none enters into international trade.

The only instances of N. rustica appearing in the American tobacco trade have been occasional lots of Latakia from the Near East. This tobacco is heavily smoked and because of its added heavy phenolic aroma is used for blending. Most of the tobaccos grown for Latakia ^{however} are reportedly of the Turkish type of N. tabacum.

The world production of N. tabacum is estimated at 6,470,000,000 pounds from 7,420,000 acres, and is distributed among 52 countries and dependencies. Accurate data on acreage and production for a recent single year are not available and the following table has been estimated from several sources.

	<u>Estimated Acreage</u> 1000 acres	<u>Estimated Production</u> 1000 pounds
<u>North America</u>		
Canada	110	109,055
Mexico	55	55,115
U. S.	1,536	1,820,032
Cuba	112	60,858
Dominican Republic	38	45,685
Puerto Rico	28	24,500
<u>Europe</u>		
Albania	5	4,082
Belgium	7	15,400
Bulgaria	200	150,000
Czechoslovakia	17	20,062
France	67	106,923
Germany	33	74,355
Greece	172	87,200
Hungary	47	48,016
Italy	138	143,000
Poland	31	44,864
Rumania	70	42,000
Spain	37	33,069
Sweden	1	1,500
Switzerland	3	5,500
Yugoslavia	39	37,410
U.S.S.R.	559	471

	<u>Estimated Acreage</u> 1000 Acres	<u>Estimated Production</u> 1000 pounds
<u>Asia</u>		
Iran	38	38,581
Iraq	11	8,057
Palestine	7	2,240
Syria & Lebanon	20	13,285
Turkey	270	180,900
Burma	108	107,072
China	1,529	1,623,482
French Indochina	44	32,004
India	1,065	1,200,000
Japan	102	131,811
Formosa	9	13,000
Korea	37	39,459
Java & Madura	418	207,970
Sumatra	3	2,646
Philippine Islands	83	38,098
Siam	25	17,179
<u>South America</u>		
Argentina	57	48,450
Brazil	320	254,000
Chile	8	12,546
Colombia	45	39,683
Paraguay	24	24,251
Uruguay	2	1,254

	<u>Estimated Acreage</u> 1000 acres	<u>Estimated Production</u> 1000 pounds
<u>Africa</u>		
Algeria	55	37,125
Nyasaland	57	22,850
Madagascar	19	14,164
Northern Rhodesia	14	5,150
Southern Rhodesia	124	79,130
Tunisia	1	1,202
Union of South Africa	41	50,521
<u>Oceania</u>		
Australia	4	2,192
New Zealand	4	5,110

In the United States, only N. tabacum is grown for tobacco manufacture. Its production is divided into the following standard groups; Cigar; flue-cured; light air-cured including Burley and Maryland types; heavy air-cured including Green River, One Sucker, Virginia Sun-cured, and a small acreage of Perique; the fire-cured types grown in Western Kentucky and Tennessee and Central Virginia. In recent years production of aromatic or Turkish has been established in Western Virginia and the Carolinas, on a *substantial experimental basis*.

There is little or no substitution of one type for another. Each one possesses chemical and physical characteristics that are peculiar and make it quite distinctive due to variety, soil fertilization, culture, harvesting, curing, fermentation and aging.

This has brought about numerous varieties within the types, each one preferred within a local area because of some feature of adaptability or a manufacturer's preference. On the other hand, some of the old varieties have of necessity been discarded because of their susceptibility to a plant disease. Bacterial diseases, root rots, nematodes, leaf spots and other fungus diseases

have eliminated some of the old lines.

In several cases the tobacco plant breeders have made notable contributions by developing strains or new varieties that are resistant or immune to the parasites. Of particular note is the resistance developed in Florida shade grown tobacco to the Black Shank disease caused by Phytophthora parasitica var. nicotianae. This variety of cigar tobacco was later used to secure comparable resistance to Phytophthora in flue-cured tobacco grown in western North Carolina.

Root rot Thielaviopsis basicola became a definite threat to tobacco production in parts of the Connecticut Valley, Wisconsin, Florida, the entire Burley area and parts of the flue-cured areas in Virginia and the Carolinas. Resistance has been secured to this fungus in the important Havana Seed variety grown in the Connecticut Valley, in the Wisconsin cigar binder type, in Burley with several outstanding new varieties, and also in the flue-cured types. One of the first varieties developed with resistance to Thielavia was the Round Tip developed in the Connecticut Valley 1914-1920. It was the result of a hybrid of the rugged Connecticut Broadleaf X Sumatra. It was one of the most resistant varieties to the root rot fungus. It lacked some of the qualities of texture and finish that the tobacco trade associated with the old line Havana Seed variety, altho it produced on the average 25 percent more cigar wrapper and binder tobacco per acre than the older type. It was discarded in the Connecticut Valley about 1923. It was taken to Florida in 1921 and achieved immediate acceptance as a shade grown cigar wrapper of very superior quality, and by 1923 more than half of the Florida shade grown acreage was planted to Round Tip. While it possesses outstanding resistance to the root rot fungus, it proved to be one of the most susceptible varieties to the Phytophthora disease and had to be discarded. There is evidence, however, that a Round Tip X Florida Big Cuba hybrid may have been one of the resistant strains that later developed into the Phytophthora resistant

Florida variety.

Some of the more notable achievements in recent years include the resistance developed with a new flue-cured variety to the Granville Wilt disease (Bacterium solanacearum E.F.S.) which is sustaining tobacco production over an important area that at one time was ^hreatened with extinction. Also the resistance to leaf spots caused by Pseudomonas sp. is of especial interest since the resistance is secured by a species hybrid, a rather unusual procedure in tobacco breeding and difficult to achieve. N. longiflora is valueless for tobacco purposes. It is quite resistant to the leaf spot fungus. Most known varieties of N. tabacum are quite susceptible to the fungus. By backcrossing the standard varieties on the N. tabacum X N. longiflorum hybrids for several generations standard varieties of flue-cured, fire-cured and cigar types resistant to Pseudomonas have been secured.

Few tobacco plant breeders have seriously concerned themselves in recent years with increasing the yields of tobacco since the smoking and other qualities desired by ^{the} manufacturing industry are very often sacrificed when larger yielding plants are secured. There are, however, three notable exceptions. One is the aromatic tobacco developed in North Carolina where the quality equal to that of the imported tobacco has been maintained, and the yield of harvested tobacco doubled through selection. Another is in the recent work with N. rustica where the yield of leaf per plant is appreciably increased. However, here the nicotine content has not kept apace, altho the total yield of nicotine per acre has been increased. A third example is the new shade grown type for cigar wrappers produced in the Connecticut Valley under cloth shade. The harvestable leaves per plant have been increased from an average of 12-14 leaves up to 16-20 leaves per plant, or an increase in the gross acre yield of 300 to 400 pounds of high priced tobacco.

Of equal interest is that of the selection for high sugar content

in the flue-cured varieties.

High quality flue-cured tobacco for cigarette purposes requires a high sugar content - 15 to 28 percent. With the necessity for developing disease resistance, the plant breeder has had to go outside of the group of standard flue-cured varieties that had been developed over many years of consistent selection to secure resistance. Such first-generation crosses
back crosses
often were of low carbohydrate content and/are employed with high sugar producing varieties to again secure the desired smoking qualities correlated with high sugar content.

#

March 29, 1949

Mr. E. G. Beinhart
U. S. Department of Agriculture
Chestnut Hill Station
Philadelphia 18, Pa.

Dear Beinhart:

I am extremely grateful for your cooperation evidenced by the very useful commentary you sent me. I know that you went to a lot of trouble in preparing it, and I certainly am very appreciative.

The monograph proceeds all too slowly, even if surely. The attempt to give a consistent picture of the origin, evolution, and present day relationships of all the fifty-five species of Nicotiana we have been growing is a bit of a job. In addition, the total of fifty-eight species I recognize in the genus will be re-described, their distribution mapped, etc. It will be done some day.

Many thanks again and all good wishes.

Cordially,

THG:hm

August 17, 1948

Mr. Ralph Bell
Box 2036
Sacramento, California

Dear Ralph:

As you know Miss Holden has arranged that I be interviewed over KGO at 3:30 Friday, August 20. I now have a script outline from you indicating that I am supposed to have something to say about the general layout of the "Flower Show" of the Fair in addition to describing briefly what this Botanical Garden expects to exhibit.

I will appreciate it very much if you will arrange to have someone else take care of the description of the general features about which I actually know nothing and which I would, for a number of reasons, prefer not to be concerned with.

I hope that you can make this adjustment. With best wishes to you and Mrs. Bell

Yours, in haste,

EARL WARREN
Governor



JAMES S. DEAN
Director of Finance

California
STATE FAIR

September 2 Through 12

Since 1854

BOX 2038, SACRAMENTO 9

August 18, 1948

FRED H. BIXBY
President



E. P. GREEN
Secretary-Manager

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

Dear Dr. Goodspeed:

Thanks for your letter regarding your broadcast with Miss Ann Holden on Friday.

It was awfully nice to hear from you again, and I wish I could be in San Francisco Friday and say hello.

Of course, there is no need for you to say anything about the Flower Show at the Fair beyond the description of what the Botanical Garden will send. I think that that part of the Flower Show will be extremely beautiful, and I know that your listeners will be enticed to our very excellent Fair if you tell them only the part which you know about personally.

Miss Hoffman, I believe, will talk to Miss Holden about the program before Friday.

Mrs. Bell asked me to say hello to you and Mrs. Goodspeed when I wrote, and we hope that you will be able to come up to the Fair. If you can, we certainly want you to come over to the house while you are here.

Sincerely yours,

CALIFORNIA STATE FAIR

Ralph Bell
Ralph Bell
Publicity Director

RB/sc

GOLD DISCOVERY

1848-1858

GOLD RUSH

1850-1858

STATEHOOD

1850-1850

August 19, 1948

Dr. Eric C. Bellquist
Department of Political Science
Campus

Dear Dr. Bellquist:

This will acknowledge your kindness in sending me your article on political and economic conditions in the Low Countries and in Scandinavia. The latter is of particular interest in view of Sweden's present dilemma.

Cordially,

THG:t

January 24, 1949

Dr. Eric C. Bellquist
Department of Political Science
Campus

Dear Dr. Bellquist:

You may remember that some time ago I discussed with you the possibility of obtaining from the Department of State an expression of opinion concerning the appropriateness of my accepting an invitation received from the Consejo Superior de Investigaciones Cientificas of Madrid through its secretary, Dr. Jose M. Albareda H. It is proposed that I go to Spain for some three months as the guest of the Consejo to assist in developing certain theoretical and practical aspects of research in plant science and to give lectures on botanical topics. Up to a point my familiarity with the Spanish language and with the character and quality of botanical instruction and research in Spain, derived from long contact with South American universities, would permit me to fulfill such an assignment.

I am inclined to accept this invitation because first, I believe that I can be of service to my Spanish colleagues who, since the beginning of the last war, have been largely out of touch with modern developments in my field of research, and second, I am anxious to study the early history of South American plant exploration, which is possible only in certain Spanish botanical institutions. I could probably spend the months of September, October, and November of this year in Spain.

It seems to me that there should be some reaction by those concerned with Western European affairs in the Department of State to the desirability, or the reverse, of my accepting this invitation. If it had come from a Spanish university rather than from an agency of the Spanish government, I would see little reason to seek such reaction.

I have been given the name of Mr. William B. Dunham, Spanish Desk Officer of Division of Western European Affairs. Is it possible that you know him and would care to take up the matter with him? On the other hand, you may be in touch with someone else in the Department of State who would be willing to advise me. Dr. Albareda appears to be anxious to have my decision in the relatively near future.

I am awaiting further biographical information in the case of Dr. Horacio Descole, the president of the University of Tucuman, Argentina, who, in my opinion, should receive an official invitation to visit the United States. You were kind enough to say that when I gave you the necessary information in Dr. Descole's case you would transmit it to your friend, the Cultural Attache in Buenos Aires.

With many thanks for your interest and cooperation,

Cordially yours,

THG:hm

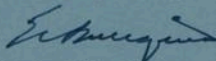
January 28, 1949

Professor T. H. Goodspeed
2079 Life Sciences Building
Campus

Dear Professor Goodspeed:

I have written to Dr. William C. Johnstone, Director of the Office of Educational Exchange in the Department of State, whom I know rather well. I am sure that he will follow-up on the matter - I hope, more expeditiously than has been true of some of the other gentlemen to whom we have written in the past.

Faithfully yours,



E. C. Bellquist
Assistant Dean of Students

ECB:hw

March 4, 1949

Professor Thomas H. Goodspeed
Department of Botany
2079 Life Science Building

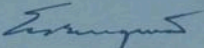
Dear Professor Goodspeed:

Mr. Micocci sent me a copy of his letter too, and I had hoped that it would be satisfactory for your purposes. I am very happy, therefore, to learn that you are well satisfied.

If you want a copy of the letter for any purposes out here, I suggest that you leave out the "on balance" which doesn't mean anything to me either. I think he probably intends to use "after having considered the matter" or something along that line. In any case, I would not worry about it - in view of what you had already heard from Johnstone as well as what I know about Micocci.

The letter used to be on my staff in Washington. Of Italian extraction, he was formerly principal of two high schools in Philadelphia. During the war, however, he became a crackerjack press and radio man - in the New York office of the OWI as well as in Italy. I brought him back to be Italian specialist on my staff. He later was promoted to supervise the Western European operation, and now he heads the whole European show. When I wrote to Johnstone, I was rather sure that this is where the matter would finally be decided - that this would be the result. For some reason or other, these people have better sense and a greater feeling of urgency about things than the old cultural relations group.

Faithfully yours,



Eric C. Bellquist

ECB:ap

UNIVERSITY OF CALIFORNIA

OFFICE OF THE DEAN OF STUDENTS
BERKELEY 4, CALIFORNIA

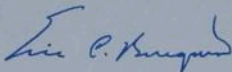
April 3, 1956

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

Dear Professor Goodspeed:

I was delighted recently to read that you have been elected a member of the Royal Academy of Sciences. Quite frankly, I am surprised that this did not happen a long time ago! Even so I am delighted that you have thus been honored. From the long contacts which you have had with Sweden and Scandinavia, extending back to the early 20's, I know that this election must mean a great deal to you and that it has been welcomed by your many friends in northern Europe.

Sincerely yours,



Eric C. Bellquist
Assistant Dean of Students

ECB:nl

April 11, 1956

Dr. Eric C. Bellquist
202 South Hall
Campus

Dear Dr. Bellquist:

Many thanks for your kind letter of the 3rd concerning my election as a Foreign Member of the Swedish Royal Academy of Sciences. As you suggest it is a source of peculiar satisfaction because of my long contact with Scandinavia. However, when I see the list, a small one, of distinguished botanists similarly honored I feel that the Academy has honored me beyond my desert.

With best wishes,

Cordially,

THG:T

October 24, 1956

Dr. Eric C. Bellquist
202 South Hall
Campus

Dear Eric:

It occurs to me that you may not have seen the enclosed by Wilhelm Moberg.

Of the two men involved I know only Selling. He is a highly esteemed paleobotanist and has been in Berkeley more than once. He was extremely kind to us in Stockholm in August of last year.

My knowledge of Swedish is so imperfect that I could make nothing more out of the "affair" than that Selling was being attacked, especially by the newspapers -- why and by whom was a mystery. I, therefore, asked Dr. Herman Persson, who is currently working at Stanford and who sent the book to me, to comment.

You may be interested in his reply which, perhaps, amplifies Moberg's account of the situation.

With best wishes,

Cordially,

THG:T

11
13
14

Dr. G. Benda
Virus Laboratory

Dear Dr. Benda:

Confirming our recent conversation I am enclosing packets
of seed of thirty-one species of Nicotiana arranged by sections.

With best wishes, S

Sincerely,

THG:T

Sent. Dr. Binda - Uvis Sab. June 20-1956

Nicolaina seed:

Paniculatae:

oblongifolia cordifolia ramondii
paniculata pinguetiana benardesii

Undulatae:

acutis, undulata wjandioide

Trypoglyphae

trypoglypha galmaris

Noctiflorae

noctiflora

Alatae

longiflora glumbagumfolia
pungentiana bonariensis alata

Accuminatae

acuminata attenuata corymbosa

Suaveolentes

martima goosii eripia
occidentalis nepalensis goodenoides
delroyi rotundifolia

Tomentosae

tomentosiformis, satchelli stophura

University of Notre Dame
Notre Dame, Indiana

Department of Biology

June 28, 1959

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

Dear Doctor Goodspeed:

In your magnificent work on the Genus Nicotiana you mention that certain races of N. miersii have trichomes with specialized stalk cells which combine excessive cell size and a purple-pigmented cell sap. As I am interested in studying the response of cells to wounding and to virus infection, these cells may be very useful in certain aspects. I hope to find single cells as large as possible to infect and to remove the content of single cells to test for virus multiplication. The pigment may serve as a natural indicator of internal changes within the cell. I would very much appreciate seeds of this race(s) of N. miersii if you should have them available for distribution.

Also if available, I would appreciate a few seeds of N. arentsii, of N. glauca, and of N. setchellii.

I have had much trouble germinating seeds of N. attenuata. Is this the usual experience?

I would very much appreciate any attention you might give these matters. Thank you.

Sincerely yours,

Red Benda

G. T. A. Benda

August 12, 1959

Mr. G.T.A. Benda
Department of Biology
University of Notre Dame
Notre Dame, Indiana

Dear Mr. Benda:

Enclosed are seeds of Nicotiana species referred to in your letter of June 20.

It seems to me that with succeeding generations of culture the trichomes of N. meirsii you are interested in have lost a good deal of their pigment. On the other hand, seasonal or cultural conditions in recent years may have been responsible for this impression.

Our records show little difficulty in germinating N. attenuata. Dr. R. A. Steinberg (U.S.D.A., Agricultural Research Service, Crops Research Division) Beltsville, Md.) is growing a quite complete collection of Nicotiana species. You might care to ask him for seed of N. meirsii and N. attenuata since he may be growing races different from mine. Incidentally, you might find something of interest in Steinberg's article on growth requirements in the genus in TOBACCO, 145, #1, pp. 20-23 and especially another article on the same general subject which appeared within a year or two in the American Journal of Botany (I don't have the reference immediately at hand). Doubtless he would be glad to send you reprints.

With best wishes,

Sincerely,

T. H. Goodspeed

THG:dn

University of Notre Dame
Notre Dame, Indiana

Department of Biology

September 11, 1959

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

Dear Dr. Goodspeed:

Thank you for your kind letter of August 12th and for the seeds which I found on my return. I am anticipating N. miersii with great excitement.

Since writing to you I have found that I can obtain fair germination (20%) in one experiment if I treat the dry seeds of N. attenuata for 30 seconds at room temperature with concentrated sulfuric acid. I shall most certainly follow your suggestion and write to Dr. Steinberg.

With kind regards, I am

Sincerely yours,

G. T. A. Benda

G. T. A. Benda

GE:bd

file returned
January 24, 1942

Mr. H. H. Benedict
Office of the Comptroller
Administration Building
Campus

My dear Henry:

I hope that the enclosed covers the various points which we have discussed. I will certainly be very appreciative of whatever consideration can be given to what I believe is a quite natural and legitimate request.

Mrs. Goodspeed and I leave this evening for Los Angeles and start our "Round South America" flight some time early Monday morning. I had hoped to see you before we left, but I fear that this will not be possible. I much appreciate all your many courtesies and the privilege of asking your valuable advice, a privilege of which I have availed myself all too often.

With every good wish for the year 1942, I remain

Very cordially yours,

Mr. Benedict:

Before leaving, Professor Goodspeed dictated the above and the letter attached. He did sign the one, but left the office before I had time to finish this one.

January 24, 1942

Mr. H. H. Benedict
Office of the Comptroller
Administration Building
Campus

Dear Mr. Benedict:

On two occasions in the past six years I have carried on research, and informally represented this university by means of lectures, conferences and other activities in South America. During these South American botanical undertakings I have been on leave without salary for a half-year and on sabbatical leave with two-thirds salary for some nine months. In other words, I have lost the benefit of a considerable amount of money which represents the contribution by the University to my retiring allowance fund. During 1942, as you know, I have been granted leave of absence without salary for the first half-year and sabbatical leave with two-thirds salary for the second half of the year.

Since I will, as in the past, while in South America, be engaged in duties which are of value and importance to the University and represent a continuation of the research which I have been doing for many years under my appointment, and since I will be collecting and returning to the University material of great scientific value which will enrich the University's collections and serve as exchange material with other learned institutions over a long period of years, I wish to make request to be permitted to make the contribution which I would make during the year 1942 were I in residence on full salary and I also request that the University add an equivalent sum as would be done under conditions of residence and full salary.

If this request is granted it may not be possible for me to pay the complete sum representing my contribution until my return from South America in December of this year. On the other hand, if it is necessary that my contribution be made at certain stated intervals, in order to secure the benefit of the University's contribution, I will make every effort to meet such payments.

Sincerely yours,


December 3, 1943

Professor T. H. Goodspeed
Department of Botany
C a m p u s

Dear Dr. Goodspeed:

This will acknowledge your check for \$137.50 enclosed with your letter of October 26. This has been credited to your Retiring Annuities System account under date of November 8, 1943, and bears our official receipt No. 39185. A similar contribution by the Regents will be placed to your credit as of that date.

Very truly yours,


H. H. Benedict, Manager

HHB:vc

July 6, 1943

Mr. H. H. Benedict
Administration Building
Campus

Dear Mr. Benedict:

During 1941, before my departure for South America, I requested that while on leave of absence on sabbatical leave, I be permitted to make the same contribution to the Retirement Fund that I would have made had I been on full salary with anmatching contribution by the regents.

The correspondence on the subject is on its way to me from South America and therefore I do not have the details clearly in mind. My only record refers to a payment of \$183.36 which, I believe, was paid some time ago. I was away from the University from January, 1942, to June 30, 1943. Would you be good enough to let me know what proposition of that period the sum referred to above covered in bringing my contribution to the Retirement Fund to normal and what additional payment should be made to cover the entire period of my absence.

With best wishes and thanks for your kind interest and cooperation, I am

Sincerely yours,

THG:h

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF INSURANCE
AND RETIREMENT SYSTEMS
311 ADMINISTRATION BUILDING
BERKELEY, CALIFORNIA

October 5, 1943

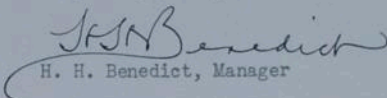
Dr. T. H. Goodspeed
551 Santa Rosa Avenue
Berkeley, California

Dear Dr. Goodspeed:

Your letter of September 7 was forwarded to the President and on September 24 the Regent's Committee on Finance and Business Management approved a recommendation under which you will be permitted to make contributions to the Retiring Annuities System based upon your regular University salary for the period January 1 to June 30, 1943.

Five percent of your normal University salary for this period is \$137.50 and if you will send me your check (made payable to The Regents of the University of California) for this amount, it will be placed to your credit together with a like contribution from the Regents.

Very truly yours,


H. H. Benedict, Manager

HHB:vc

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF INSURANCE
AND RETIREMENT SYSTEMS
311 ADMINISTRATION BUILDING
BERKELEY, CALIFORNIA

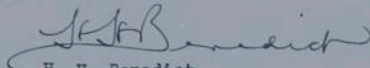
October 22, 1943

Dr. T. H. Goodspeed
561 Santa Rosa Avenue
Berkeley, California

Dear Dr. Goodspeed:

On October 5 I wrote to you concerning permission granted by our Regents for you to pay into the Retiring Annuities System the sum of \$137.50 on account of the period from January 1 to June 30, 1943. Not having heard from you, I thought possibly you might not have received my letter.

Very truly yours,


H. H. Benedict
Manager

HHB:ec

October 26, 1943

Mr. H. H. Benedict
311 Administration Building
Campus

Dear Mr. Benedict:

Many thanks for your letters of October 5 and 25 concerning the willingness of the Regents to permit me to make a contribution to the Retiring Annuities System for the period January 1 to June 30, 1943. As you will note, by the date on the enclosed check, I proposed immediately to make my contribution but, for some reason, neglected to forward it to you.

I am appreciative of the action of the Regents in this matter.

Sincerely yours,

THG:h
Enc:l

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF INSURANCE
AND RETIREMENT SYSTEMS
311 ADMINISTRATION BUILDING
BERKELEY, CALIFORNIA

January 20, 1943

Dr. T. H. Goodspeed
Consulado Americano
Buenos Aires
Argentina

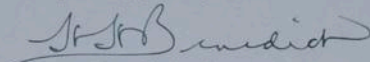
Dear Dr. Goodspeed:

I have received from the Leggett Insurance Agency, Lloyds Policies #792 and #793, covering Mrs. Goodspeed and yourself for the year ending January 20, 1944. These policies have been renewed on the same basis as the previous policies with the exception that they do not cover during sea voyages. Attached is a copy of a letter to me from the Leggett Insurance Agency stating that they are writing to you concerning the manner of your return to the United States.

The policies have been placed in our files for safekeeping until your return, but if there is any more I can do to assist you in connection with this matter, you will, of course, let me know.

This letter will also acknowledge the receipt of \$165.02 from Mr. H. D. Noyes of the American Trust Company. This amount has been placed to your credit, under the Retiring Annuities System, as of December 31, 1942, together with a corresponding contribution by the Regents, and is covered by our Receipt No. 27517 dated January 15, 1943.

Very truly yours,


H. H. Benedict, Manager

HHB:RJS

Enclosure

LEGGETT INSURANCE AGENCY

January 14, 1943

Mr. Benedict
University of California
Berkeley, California

Dear Mr. Benedict:

Re: Underwriters at Lloyds
Certificates 792 & 793
Thomas H. & Florence S.
Goodspeed

We are enclosing herewith the above captioned policies for Mr. and Mrs. Goodspeed, covering in the amount of \$10,000 each from January 20, 1943 to January 20, 1944. Statements for the premiums in the amount of \$235.38 respectively have been mailed to Mr. H. D. Noyes, American Trust Company, Center Street Branch, Berkeley by same mail.

We are in receipt of advices from the Underwriters at Lloyds that renewal of these policies has been accomplished on the same basis as before except that they are not prepared to cover any voyage by sea, and they call our attention to Endorsement #4 on the Certificates. It will be necessary for Mr. Goodspeed to let us know if they are coming back to San Francisco by sea, and the company will then negotiate a separate policy including the risk of war. We are writing Mr. Goodspeed today setting forth this information. We imagine however, that under the present conditions they are not likely to take the sea trip, probably returning by airplane.

Yours very truly,
LEGGETT INSURANCE COMPANY

GAL:vm
Enc.

(Signed) G. A. Leggett

August 30, 1948

Professor T. H. Goodspeed
Department of Botany
University of California
Berkeley Campus

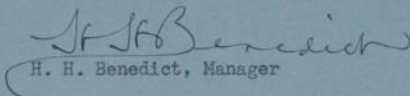
Dear Professor Goodspeed:

This is in response to your letter of August 19, requesting a retirement allowance estimate for Mr. Hamstard Ford, gardner at the Botanical Garden.

Due to many interruptions in the work of my department during the summer through illness, vacations and numerous changes in the staff, it is necessary for us to curtail our extraneous work wherever possible.

Unless I hear from you to the contrary, I shall assume that it will be satisfactory if we attend to this matter sometime within the next month or two. If you do not hear from me before November 1, I shall be grateful if you will bring the matter to my attention.

Very truly yours,


H. H. Benedict, Manager

jb

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF INSURANCE
AND RETIREMENT SYSTEMS
317 ADMINISTRATION BUILDING
BERKELEY 4, CALIFORNIA

January 5, 1950

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

Dear Dr. Goodspeed:

As announced in the Faculty Bulletin for September, 1949, and in the folders sent to each member of the Retiring Annuities System (see item 10, page 8, of copy enclosed) the maximum limit of \$4000 a year on retirement allowances has been removed for all members of the system attaining age 70 after January 1, 1950. The Standing Orders of the Regents as amended provide that salary deductions shall be resumed January 1, 1950, for all members of the Pension System whose deductions have been discontinued on account of their having accumulated a sufficient sum under the Retiring Annuities System to provide the maximum retirement allowance of \$4000 a year under the regulations in effect heretofore. The amendments of the Standing Orders provide, also, that the accounts of all members of the Pension System which have reached the maximum under the Retiring Annuities System shall be adjusted as of January 1, 1950, to equal the estimated sum necessary to provide an allowance of exactly \$4000 a year.

In accordance with these amendments deductions from your salary at the rate of 7% will be made under the Retiring Annuities System beginning with your salary for the month of January, 1950, such deductions to be matched by the Regents in the usual manner up to the date of your retirement, assuming that no further changes will be made in the Standing Orders. Present estimates show that your account under the Retiring Annuities System requires adjustment as of January 1, 1950, as follows:

Total accumulation January 1, 1950 - - - - - \$13,111.23

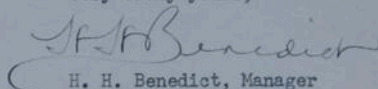
*Amount required to provide the maximum of \$4000
a year at age 70 - - - - - \$13,003.73

Excess - - - \$ 107.50

One-half of excess refunded by Check No. 91753
enclosed - - - - - \$ 53.75

*This amount has been estimated on the basis of 3% interest from January 1, 1950, to your 70th birthday, compounded annually on June 30, using the present "standard" rates for the purchase of life annuities.

Very truly yours,


H. H. Benedict, Manager

HHB:brb
Encl.

J. Berezowski
164, Poningo Street
Port Chester, N.Y.
June 15, 1953

Mr. T.H. Goodspeed
Botany Dept.
University of California
San Francisco

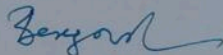
Dear Sir,

I am thankful for your packages
of tobacco seeds which I have received this
morning.

I assure you that my father will
be very grateful to you for your kindness.

I will be obliged to you for infor-
mation if your book „Nicotiana,, has been
already published.

Respectfully yours.



Jaroslaw Berezowski
164, Pomingo Street
Port Chester, N.Y.

Port Chester, November 24, 1953

Mr. Professor Goodspeed
University of California
San Francisco

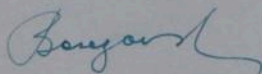
Dear Sir,

I received a letter from my father with a list of tobacco seeds which he would like to have for experimental usage.

I will be very grateful to you if you could send the mentioned seeds to me or give me the informations where I can get them for my father.

If it is possible for you to fulfill my father's wish, please let me take all charges and reimburse you immediately.

Yours sincerely



Putawj.

- | | | | | |
|-------|-----------|-----------------|---------------|----------------------|
| 1. | Nicotiana | tomentosiformis | Good. | /Syn. N. Rusbyi Brit |
| 2. | " | wigandioides | Koen. et Fint | |
| 3. | " | paniculata | L. | |
| 4. | " | solanifolia | Walp. | |
| 5. | " | Raimondii | Bridge. | |
| ✓ 6. | " | benavidesii | Good. | |
| 7. | " | undulata | R. et P. | |
| ✓ 8. | " | glauca | Grach. | |
| ✓ 9. | " | Cavanillesii | Dun. | |
| — 10. | " | aiata | Link et Otto | |
| 11. | " | Sanderæ | Hort. | |
| ✓ 12. | " | longiflora | Cav. | |
| ✓ 13. | " | bonariensis | Lehm. | |
| 14. | " | plumbaginifolia | Viv. | |
| 15. | " | Langsdorffii | Weinm. | |
| — 16. | " | attenuata | Torr. | |
| ✓ 17. | " | Clevelandii | Gray. | |
| ✓ 18. | " | acuminata | Grach. | |
| ✓ 19. | " | caudigera | Phil. | |
| ✓ 20. | " | Miersii | Remy | |
| 21. | " | corymbosa | Remy | |
| 22. | " | trigonophylla | Dun. | |
| 23. | " | nudicaulis | Watson | |
| ✓ 24. | " | Palmeri | Gray | |
| 25. | " | repantia | Willd. | |
| 26. | " | nesophila | Johnston | |
| ✓ 27. | " | Stoughtoni | Brand | |
| ✓ 29. | " | suaveolens | Lehm | |
| ✓ 30. | " | exigua | Wheeler | |
- ✓ 31. Nicotiana Goodspeedii Wheeler
32. " rotundifolia Link.
33. " excelsior Black.
34. Gomphrena glaberrima L.

December 1, 1953

Mr. Jaroslaw Berezowski
164 Pomingo Street
Port Chester, New York

Dear Mr. Berezowski:

Under separate cover I am sending you, for your father,
such of the seed of species of *Nicotiana* as are available
for distribution.

I presume that your father realizes that none of these
species is tobacco producing and I would appreciate your
telling me for just what purpose your father is growing such
plant material.

Sincerely,

THG:T

DEPARTMENT OF BOTANY • POMONA COLLEGE
CLAREMONT, CALIFORNIA

COOPERATING IN GRADUATE TEACHING WITH THE RANCHO SANTA ANA BOTANIC GARDEN AND THE CLAREMONT GRADUATE SCHOOL

CLASSROOMS AND LABORATORIES
CROOKSHANK HALL
100 BLOCK, WEST SIXTH STREET
TELEPHONE, LYCOMING 5-1211
EXTENSION 229

LYMAN BENSON
SYSTEMATIC BOTANY
EDWIN A. PHILLIPS
ECOLOGY AND PLANT PHYSIOLOGY

SHERWIN CARLQUIST
CLAREMONT GRADUATE SCHOOL
MORPHOLOGY

HERBARIUM OF POMONA COLLEGE
RANCHO SANTA ANA BOTANIC
GARDEN BUILDING
1500 NORTH COLLEGE AVENUE
TELEPHONE, LYCOMING 5-3922

February 4, 1957


Dr. T. H. Goodspeed, Director
University Botanical Garden
Department of Botany
Life Science Building
University of California
Berkeley 4, California

Dear Dr. Goodspeed:

The biennial convention of the Cactus and Succulent Society of America will be held, as you know, in Berkeley July 12 - 16, 1957. Headquarters will be at the Hotel Shattuck, and the sessions of the Society will be there.

The Society appreciates deeply your cooperation in releasing surplus cactus and succulent material for distribution among members of the Society, and your cooperation in the holding of the convention in Berkeley. I should appreciate the privilege of having you present at any of the sessions of the convention, and I should appreciate it if I might introduce you at the opening session on Friday morning, July 12th. We should be happy to have you as our guest at the luncheon on the same day. I hope that you will be able to come.

Sincerely yours,


Lyman Benson

LB:ah

2079 Life Sciences Bldg.
University of California
Berkeley 4, California
February 12, 1957

Dr. Lyman Benson
Department of Botany
Pomona College
Claremont, California

Dear Dr. Benson:

Thank you for your kind letter of the 4th concerning the forthcoming convention of the Cactus and Succulent Society of America.

I shall look forward to attending certain, at least, of the Convention sessions and particularly that of the morning of July 12th.

Our recent low temperatures have somewhat damaged the succulents in the outdoor collection at the Botanical Garden but I feel sure that Hutchison and Kimmach will have, outdoors and under glass, a good deal of interest for those in attendance at the Convention.

With thanks again and best wishes,

Cordially,

THG:T

Seventh Bi-ennial Convention
Cactus and Succulent Society of America, Inc.
BERKELEY, CALIF. JULY 12th, to 16th, 1957

PAUL C. HUTCHISON, Chairman
1817 Wheeler Street
Berkeley 4, Calif.

HARRY M. BUTTERFIELD
1st Vice Chairman
Berkeley, Calif.

PATRICIA MOORTEN
2nd Vice Chairman
Palm Springs, Calif.

LADISLAUS CUTAK
3rd Vice Chairman
St. Louis, Missouri

MYRON KIMNACH
Secretary
El Cerrito, Calif.

RALPH HILLERY, Treasurer
Univ. of Calif., Room 2, Administration Bldg.
Berkeley 4, Calif.

HOST SOCIETY
Cactus & Succulent Society of California, Inc.

July 24, 1957


Dr. T. H. Goodspeed, Director Emeritus
Botanical Garden
Department of Botany
University of California
Berkeley 4, California

Dear Dr. Goodspeed:

Thank you ever so much for your many courtesies to the Convention of the Cactus and Succulent Society of America. We appreciate your attendance at our first day's session and the privilege of introducing you. The active interest and participation of the Garden Staff in the Convention was exceedingly helpful, and we appreciated the plants which, as surplus material, were made available.

With best wishes,

Sincerely yours,


Lyman Benson

2089 Life Sciences Bldg.
University of California
Berkeley 4, California
September 27, 1957

Mr. Ray Bentley

Calistoga, California

Dear Ray:

I was sorry not to see you to say goodbye; Mrs Goodspeed and I leave on Sunday for six months in South America.

During our absence our Calistoga home may be occupied for weekends now and then by our children, the Ainsworths and Noacks, and possible by friends also. My daughter, Mrs. J. D. Ainsworth, 551 Santa Rosa Ave, Berkeley; La 5-7826) will be in charge of the place and can be contacted in case of emergency.

As I suggested to Mrs. Bentley, I would much appreciate your finding someone, if possible, to install the tile drain behind the carport according to our conversation of some weeks ago. The bill for the materials and labor should be addressed to me at P.O. Box 740, Main Postoffice Berkeley and will be paid by Mrs. Thompson, in charge of our affairs during our absence.

Jack Pacheteau will bulldoze part of the dam in the little canyon and make a channel in order that the winter stream can occupy its old bed and no lake will form. He plans to do the work after the first rains.

I would much appreciate your keeping an eye on our house as convenient.

With all good wishes to you and the family,

Cordially,

THG:T

University of California
Berkeley 4, California
April 13, 1956

Monsieur le Directeur
de l'Institut Exp. des Tabacs
Bergerac (Dordogne)
France

Dear Mr. Director:

Confirming my correspondence with The Director General, Dr. Grimánelli, I am forwarding to you the first shipment (by airmail) of the seed of the collection of species of Nicotiana grown in this Botanical Garden.

This first shipment consists of 47 packets representing the same number of species and varieties. You will note that on each packet is the population number as well as the year in which the seed was collected. Wherever possible the seed collected before 1954 will be replaced this fall with 1956 seed.

In the near future I will send you information concerning the original source of each species or variety, referring to the population number on each packet.

Seed of the remaining species and varieties in our collection will be sent to you as soon as available, many of them at the end of this growing season (1956).

It is a source of satisfaction to me to know that your Institute proposes to maintain this Nicotiana collection which has been assembled with great effort over a long period of years.

Please accept, my dear Mr. Director, my cordial greetings and best wishes.

Sincerely,

THG:T

W.
INSTITUT DE BERGERAC
DOMAINE DE LA TOUR

TELEPHONE 488

Le Directeur,

V/ Réf.

N/ Réf.

N°

OBJET :

à Monsieur T. H. GOODSPEED
Professor of Botany
Directeur Botanical Garden
UNIVERSITY OF CALIFORNIA
BERKELEY - 4

California

U.S.A.

Monsieur le Directeur,

Les graines des différentes espèces de Nicotiana, en provenance de votre Jardin Botanique et qui ont fait l'objet de l'envoi annoncé par vos lettres des 28 Mars et 13 Avril à M. le Directeur Général GRIMANELLI et à nous mêmes, viennent de nous parvenir en bon état. Nous en avons dressé la liste ci-jointe conforme au contenu du paquet.

Nous vous prions de recevoir, M. le Directeur, tous nos remerciements pour cet envoi que vous voudrez bien compléter ultérieurement. Nous attendons vos informations sur l'origine de chacune des espèces et variétés.

A nos remerciements nous joignons l'assurance que l'Institut de Bergerac, hautement honoré par la confiance que vous avez bien voulu lui témoigner, apportera les meilleurs et les plus attentifs de ses soins à la conservation de la collection unique que vous avez constituée et que vous voulez bien lui remettre pour en assurer la pérennité.

Vous renouvelant l'expression de notre gratitude, nous vous prions, Monsieur le Directeur, d'agréer celle de nos sentiments de respect et d'attachement à votre personne et à votre oeuvre dont nous éprouvons la fierté d'être parmi les gardiens.

Dts.



2079 Life Sciences Building
University of California
Berkeley 4, California
June 8, 1956

Director
Institut de Bergerac
Domaine de la Tour
Bergerac, France

Dear Mr. Director:

Confirming my letter of April 13 I am enclosing the data corresponding to the seed of *Nicotiana* species and varieties from my collection which according to your letter were received by your Institute.

You will note that in the second column the original accession numbers are given. These numbers you may care to add to your records along with the population numbers and the years in which the seed sent you was collected.

I am also enclosing your report of the seed received with certain corrections. I believe that it is more convenient not to capitalize any species name even if the name honors an individual. However, if you prefer you may capitalize names of the latter type. On your list I have indicated those species which do not correspond to names of individuals and must therefore begin with a small letter.

On your list I have also circled "*N. rustica* (Ecuador) 50 0-007" because this race is now called *N. rustica* var. *pavonii* and you will wish to change your records to correspond.

I hope that you have success in producing plants from the seed that you have received. If any species fails to germinate I will be glad to supply other seed. As I have already told you, seed of additional species will be sent at the end of the current season along with replacement of seed collected before 1954.

With best wishes,

Cordially,

THG:T

Population No.	Original Accession No.	Species	Collection data
T-002	39-183	<i>N. arentsii</i>	UCBG Expedition #9666; Limbani, Dept. Puno, Peru; coll. Vargas, 11/21/38
T-001	52-3	<i>N. acuminata</i>	Cerro Las Viscachas, Prov. Valparaiso, Chile; coll. Hutchison #117; 12/7/51
R-015	31-13	<i>N. alata</i>	Received from R. Ist. Sper. Coltiv. Tab., Scafati, Italy
S-101	54-1490	<i>N. attemata</i>	Union, Oregon, U.S.A.; received from Wm. C. Cusick; seed collected by the Indians
P-004	36-21	<i>N. benavidesii</i>	UCBG Expedition #3848; Rio Limatambo, near confluence with Rio Apurimac, Dept. Cuzco, Peru; coll. West, 11/11/35
T-201	35-17	<i>N. benthamiana</i>	Paddy Springs, Walleroo Sta., Northern Territory, Australia; coll. Harvey, 1/8/35
T-005	05-43	<i>N. bigelovii</i> var. <i>wallacei</i>	San Francisquito, Los Angeles Co., California, USA; coll. Hall, #6711
R-001	48-10	<i>N. clevelandii</i>	Distrito del Norte, Baja California, Mexico; edge of plateau, 22 km east of Punta Prieta on road to Bahia de Los Angeles; coll. Carter, Alexander and Kellogg, #2544, 1/15/48
P-007	43-26	<i>N. cordifolia</i>	Quebrada Las Vacas, Mas Afuera, Juan Fernandez Islands; coll. Poblete, 1941
S-025	39-126	<i>N. corymbosa</i>	UCBG Expedition #17276; Vegas Las Cruces, Dept. La Ligua, Prov. Aconcagua, Chile; coll. Morrison & Worth, 2/11/39
R-201	28-1	<i>N. debneyi</i>	Received as " <i>N. suaveolens</i> var. <i>parviflora</i> "; Botanic Gardens, Sydney; Mt. Johnstone, near Paterson, New South Wales; coll. Rupp, 6/6/27
R-202	31-59	<i>N. exigua</i>	Received as " <i>N. suaveolens</i> Lehm. var. <i>parviflora</i> Benth."; Dalby, Queensland; coll. McCarthy, January 1917
S-102	54-1491	<i>N. forgetiana</i>	Near Flores da Cunha, Rio Grande do Sul, Brazil; coll. Olmo, June 1945
S-026	34-17	<i>N. glutinosa</i>	Cerro de Amotape, Dept. Piura, Prov. Paita, Peru; Haught, 1928

Population No.	Original Accession No.	Species	Collection data
S-302	27-13	<i>N.goodspeedii</i>	Received as " <i>N.suaveolens</i> "; from Royal Botanic Gardens, Kew; Koonamore Vegetation Reserve, South Australia; coll. Osborn, 3/7/27
S-303	34-33	<i>N.gossei</i>	Hermansburg, Northern Territory, Australia; coll. Albrecht
R-004	42-6	<i>N.knightiana</i>	UCBG Expedition #30336; Road Nazca to Chala, Dept. Arequipa, Prov. Camana, Peru; coll. Metcalf, 4/7/42
T-010	54-1492	<i>N.langsdorffii</i>	Received from Jardin Botanique, Geneva, Switzerland
R-006	43-15	<i>N.linearis</i>	UCBG Expedition #31069; Malalhue, Dept. San Rafael, Prov. Mendoza, Argentina; coll. Ruiz Leal #7720/69, 1/31/42
R-007	43-4	<i>N.longiflora</i>	Received as " <i>N.longiflora</i> var. <i>acutifolia</i> "; Melo, Uruguay; coll. January 1941
R-203	27-9	<i>N.maritima</i>	Received as " <i>N.suaveolens</i> "; The Bluff, Victor Harbor, South Australia; 11/29/26
S-304	36-118	<i>N.megalosiphon</i>	Near Inglewood, Queensland; coll. White, 4/19/36
S-011	48-3	<i>N.nesophila</i>	Socorro Island, Revilla Gigedo Islands, Mexico; received from Clayton, USDA, 3/9/48
S-027	12-56	<i>N.nudicaulis</i>	Northeastern Mexico; received from Royal Botanic Garden, Edinburgh, 1911
T-202	40-32	<i>N.occidentalis</i>	Yalgoo, Western Australia; coll. Pierce
P-101	51-1	<i>N.otophora</i>	Caipipendi, Prov. de Cordillera, Dept. Santa Cruz, Bolivia; coll. Cardenas, February 1951
R-008	36-97	<i>N.palmeri</i>	Gillespie Dam, Mariposa ^{Co Pa} Co., Arizona; coll. Keck #4255, 3/22/36
S-012	07-10	<i>N.paniculata</i>	Received from Comes, Portici, Italy; August 16, 1906
S-013	32-31	<i>N.pauciflora</i>	Near Potrerillos, Dept. Chañaral, Prov. Atacama, Chile; coll. Johnston #4742, 10/27/25

Population No.	Original Accession No.	Species	Collection data
T-011	52-4	<i>N. petunioides</i>	Campo del Pilciao, Dept. Andalagata, Prov. Catamarca, Argentina; coll. Vervoorst #4240, Oct. 15, 1952
S-014	25-1	<i>N. plumbaginifolia</i>	Authentic but source uncertain; originally from Argentina
R-009	36-144	<i>N. raimondii</i>	UCBG Expedition #6496; Huambutio, Dept. Cuzco, Peru; coll. West, July 6, 1936
S-015	25-1b	<i>N. repanda</i>	Authentic but source uncertain; originally from Mexico
R-204	27-1	<i>N. rotundifolia</i>	Received as " <i>N. suaveolens</i> "; near Lake Grace, Western Australia; coll. Gardner, December 16, 1926
O-006	07-13	<i>N. rustica</i> var. <i>brasilia</i>	Received from Comes, Portici, Italy; August 16, 1906
S-017	08-169	<i>N. rustica</i> var. <i>pumila</i>	Received as " <i>N. humilis</i> Link"; Hortus Botanicus Tabor, Bohemia; Aug. 21, 1907
O-007	30-2	<i>N. rustica</i> var. <i>pavonii</i>	Riobamba, Ecuador; received from Luis Mille
^c S-057	37-30	<i>N. setchellii</i>	Between Chachapoyas and Limabamba, Dept. Amazonas, Peru; coll. Beauchamp, Aug. 1937
T-012	50-1	<i>N. solanifolia</i>	El Barquito, Dept. Chanaral, Prov. Atacama, Chile; Johnston #4751
R-010	29-19	<i>N. stocktonii</i>	Clarion Island, Revilla Gigedo Islands, Mexico; coll. Mason, April 1925
R-011	07-69	<i>N. sylvestris</i>	Received as " <i>N. colossea</i> " from Jardin Botanique de la Faculte de Medicine, Lyon, France, 1906
S-019	06-25	<i>N. tabacum</i> <i>purpurea</i>	Received as " <i>N. sanguinea</i> " from Missouri Bot. Garden, St. Louis, Mo., USA; 1/17/06
Q-009	41-77	<i>N. tomentosiformis</i>	Near Tajma, Dept. La Paz, Prov. South Yungas, Bolivia; coll. Krukoff #10712; Aug. 26, 1939
R-012	48-11	<i>N. trigonophylla</i>	Near San Jose del Cabo, Dist. del Sur, Baja California, Mexico; coll. Carter, Alexander and Kellogg #2243; December 17, 1947
S-022	49-5	<i>N. undulata</i>	Rosario Carabaya, Dept. Puno, Peru; coll. Vargas #8132, April 10, 1949
S-305	31-60	<i>N. velutina</i>	East of Broken Hill, New South Wales, Australia; coll. Morris, Oct. 25, 1931
Q-103	51-3	<i>N. wigandioides</i>	Sehuanaka, Prov. Totora, Dept. Cochabamba, Bolivia; coll. Cardenas #3945; Sept. 26, 1951

Seed sent Bergeac. April 1956 :

sent in March 1957

T-001	<i>N. acuminata</i>	1955 seed	
R-015	<i>N. alata</i>	1954 "	
T-002	<i>N. acutoides</i>	1955 "	
S-101	<i>N. attenuata</i>	1954 "	
P-004	<i>N. benardesii</i>	1954 "	
T-201	<i>N. benthamiana</i>	1955 "	
T-005	<i>N. bigelovii wallacii</i>	1955 "	
R-001	<i>N. clelandii</i>	1953 "	to be sent later
P-007	<i>N. cordifolia</i>	1952 "	1956
S-025	<i>N. corymbosa</i>	1954 "	
R-201	<i>N. delneyi</i>	1953	1956
R-202	<i>N. erigia</i>	1953	1956
S-102	<i>N. forgetiana</i>	1954	
S-026	<i>N. glutinosa</i>	1954	
S-302	<i>N. goodenoides</i>	1954	
S-303	<i>N. goosei</i>	1955	
R-004	<i>N. brightiana</i>	1953	1956
T-010	<i>N. langsdorffii</i>	1955	
R-006	<i>N. linearis</i>	1953	1956
R-007	<i>N. longiflora</i>	1953	1956
R-203	<i>N. maritima</i>	1953	1956
S-304	<i>N. megalophyllon</i>	1954	
S-011	<i>N. mesophylla</i>	1954	
S-027	<i>N. nudicaulis</i>	1954	
T-202	<i>N. occidentalis</i>	1955	
P-101	<i>N. otophora</i>	1954	
P-118	<i>N. polytrichoides</i>	1953	1956

Sent Bergerac 1956 (April)

S-012	<i>N. paniculata</i>	1954 seed	
S-013	<i>N. pauciflora</i>	1954 seed	
T-011	<i>N. petunioides</i>	1955 seed	
S-014	<i>N. plumbaginifolia</i>	1954 seed	
R-009	<i>N. ramondii</i>	1954 "	
S-015	<i>N. regauda</i>	1954 "	
R-204	<i>N. rotundifolia</i>	1953 -	1956
O-006	<i>N. rustica</i> var <i>brasilii</i>	1950 -	1956
S-017	<i>N. rustica</i> ^{var} <i>pumila</i>	1954	
O-007	<i>N. rustica</i> (Ecuador)	1950 -	1956
C-057	<i>N. setchellii</i>	1951 -	1956
T-012	<i>N. solanifolia</i>	1955	
R-010	<i>N. Stocktonii</i>	1953 -	1956
R-011	<i>N. sylvestris</i>	1953 -	1956
S-019	<i>N. tabacum purpurea</i>	1954	
G-009	<i>N. tomentiformis</i>	1953 -	1956
R-012	<i>N. trysoglypha</i>	1953 -	1956
S-022	<i>N. undulata</i>	1954	
S-305	<i>N. velutina</i>	1954	
G-103	<i>N. wrightioides</i>	1954	

Additional egg sent in March 1957

U-001	07-143	<i>N. bigelovii</i> var <i>multivalve</i>	1956
T-003	43-5	<i>N. bonariensis</i>	1956
U-302	55-674	<i>N. analsior</i>	1956
T-009	37-12	<i>N. flauca</i>	1956
T-156	55-676	<i>N. flauca</i>	1956
U-008	48-30	<i>N. glutinosa</i>	1956
U-020	39-12	<i>N. merrisi</i>	1956
T-203	27-3	<i>N. buxifolia</i>	1956

2079 Life Sciences Bldg.
University of California
Berkeley 4, California
March 7, 1957

Director
Institut de Bergerac
Domaine de la Tour
Bergerac, France

Dear Mr. Director:

I am enclosing sixteen packets of seed of species of Nicotiana of which the seed sent you in 1956 was three or more years old and may have been inviable.

These are replacements for the seed earlier sent. On the packets are accession numbers corresponding to those on the 1956 packets of the same species. For all of these you already have accession data.

In addition there are enclosed eight packets of seed of species not represented in the previous sending. These eight packets carry accession numbers and accession data.

I appreciate receipt of your 1957 list of seeds of Nicotiana available for distribution by Bergerac.

With best wishes,

Sincerely,

THG:T

INSTITUT DE BERGERAC
DOMAINE DE LA TOUR

TELEPHONE 488

V/ Réf.

N/ Réf. BBA/g

N°

393

OBJET :

Le Directeur,
à Monsieur T.H. G O O D S P E E D
Director Botanical Garden
2079 Life Science Bldg.
University of California
BERKELEY 4
California

Dear Sir,

With many thanks to you, I beg to acknowledge receipt of your letter of March 7, 1957 and of your sending of seed of species of Nicotiana :

- 1°)- Sixteen packets, replacements for the seed sent in 1956
- 2°)- Eight packets of seed of species not represented in the previous sending.

These seeds have been sowed in beds at the Institute of Bergerac.

We shall be very much honoured to continue exchange with you in the future.

Yours very faithfully,



2079 Life Sciences Building
University of California
Berkeley 4, California
May 29, 1956

Dear Mr. Bergson:

Enclosed are two articles on the University of California
Botanical Garden which may be of interest to you.

If you will let us know in advance the time of your
coming we will see that someone is assigned to show you about
the Garden.

Sincerely,

THG:T

TEACHERS INSURANCE & ANNUITY ASSOCIATION
OF AMERICA.

COLLEGE RETIREMENT EQUITIES FUND.

522 FIFTH AVENUE NEW YORK 36, N. Y.



June 29, 1954

Professor Thomas H. Goodspeed
University of California
Berkeley, California

Dear Professor Goodspeed:

As you know, your allowance from the Carnegie Foundation for the Advancement of Teaching will be supplemented by a TIAA annuity contract to be purchased for you by the Carnegie Corporation of New York. To help us begin your annuity payments promptly, please send us the following as soon as possible. (You need send only the items that are checked.)

- The enclosed application. Be sure that you have entered all of the necessary information and signed it properly.
- The enclosed signature card. Please sign this before a witness.
- Record of your date of birth.
- Record of the date of birth of the second annuitant, if you select the Last Survivor Annuity.

Your choice of annuity is irrevocable after the contract has become effective. Therefore, we suggest that you consult the official of your institution who arranges for your Carnegie Foundation retiring allowance.

Complete information regarding the taxability of the annuity will be sent to you with the contract.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Albert Bernardi".

Settlement Department

Enclosures

TEACHERS INSURANCE & ANNUITY ASSOCIATION
OF AMERICA.

COLLEGE RETIREMENT EQUITIES FUND.



322 FIFTH AVENUE NEW YORK 36, N. Y.

June 29, 1954

Rec'd in 7/14/54

Professor Thomas H. Goodspeed
University of California
Berkeley, California

Dear Professor Goodspeed:

We have been notified by the Carnegie Foundation for the Advancement of Teaching that you have applied for a retiring allowance.

If your application is approved, you will receive not only this retiring allowance, but also payments from a TIAA annuity contract for which the Carnegie Corporation of New York will pay the premium.

So that we may furnish you with full information regarding this annuity contract, please fill out, on the extra copy of this letter, the information requested below and return it to this office as soon as possible.

Sincerely yours,

Albert Bernardi
Settlement Department

Month Day Year

Your exact date of birth

May 17 1887

If married, the exact date of your wife's birth

June 11 1903

The address at which you wish to receive correspondence.

Dept. Botany, Univ. Calif
Berkeley, Calif.

(Your Signature)

TMS

July 14, 1954

Mr. Albert Bernardi
Teachers Insurance and Annuity Association
522 Fifth Avenue
New York 36, New York

Dear Mr. Bernardi:

I have delayed acknowledgment of your letter, with enclosures, of June 29th pending official notification of retirement from this University. This notification has just been received and is accompanied by an offer, which I will accept, of full time re-employment for the period July 1, 1954 - June 30, 1955.

Enclosed are Specimen Signature Record and Application, filled out.

Sincerely,

THG:†

2089 Life Sciences Bldg.
University of California
Berkeley 4, California
June 18, 1957

Dr. Albert J. Bernatowicz, Chairman
Department of Botany
University of Hawaii
Honolulu 14, Hawaii

Dear Dr. Bernatowicz:

Mr. George S. Dehnel has asked me to write you concerning his candidacy for a position in your department.

I have known Mr. Dehnel as a graduate student, teaching assistant and histological and cytological preparator in this department and as an assistant in one of my research projects. I believe that he is exceptionally well equipped to make a distinct contribution to teaching and research in plant anatomy and morphology. His fundamental training is more than adequate, he has more than average ability to think independently, is aggressive intellectually and is hard working and conscientious. His personality is decidedly pleasing 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

Professor of Botany and
Director of the Botanical Garden

August 27, 1948

Mr. Lowell W. Berry
1459 Third Street
Oakland, California

Dear Lowell:

As perhaps you know I start for South America, for the fifth time since 1935, on October 4, primarily to accept a rather flattering invitation from the South American botanists to become President of one of the Sections of their Second Congress which meets in Tucuman, Argentina, October 10 to 17. Since the Congress offered to pay our round trip transportation by air and maintenance during its sessions the invitation was difficult to refuse. Actually, the University has given me leave of absence until December so that after the Congress I can take advantage of the opportunity to carry forward for two months the work of the Fourth botanical expedition to the Andes which I organized when we were in South America in the summer of 1946.

These four expeditions represent one of the largest and most successful areal reconnaissances of the past fifty years. I take most personal satisfaction, however, in the contributions made to the South Americans themselves through the increased knowledge we have provided of their floras and particularly of new or previously little known plants of potential economic importance. The enclosed reprints will give some further idea of what we have accomplished down there.

In part because of injuries sustained in South America some years ago which have not too successfully yielded to treatment I cannot this fall do as much of the collecting at high altitudes and under other unfavorable conditions as I have done in the past. Therefore, to accomplish what I propose I must be able to hire local assistance. Because this is a rather personal problem I cannot present it to scientific foundations and institutions which have contributed to the University a considerable proportion of the \$70,000 which past expeditions have cost. I am, therefore, approaching a few of my friends who are interested in increase of goodwill and understanding between the Americas in the hope that I may be able to secure all or a part of the \$1800 which I estimate I will need to make my project a success. Contributions are to be made through me to the Regents of the University and are therefore deductible from income tax.

With all good wishes

Cordially yours,

THE BEST FERTILIZERS CO.

You Get Results with Best Fertilizers

1459 - 3RD STREET
OAKLAND, (7), CALIFORNIA

September 13, 1948

Professor T. H. Goodspeed, Director
Botanical Garden
University of California
Berkeley, California

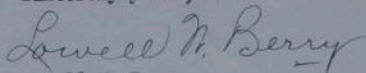
Dear Harper:

I am sorry the heavy press of work here and my frequent absence from the office has delayed response to your letter of August 27. We are glad to enclose our check to the University for \$25.

Our previous commitments in the support of other educational programs prevents our sending a larger amount. We know that this money will be well spent under your able direction.

With best wishes for a pleasant and successful trip, we are

Sincerely yours,



Lowell W. Berry
President

LWB:ns
Enclosure

September 14, 1948

Mr. Lowell W. Berry
1459 Third Street
Oakland 7, California

My dear Lowell:

Very many thanks indeed for your thoughtfulness in making a donation to the work which I plan to do in South America this fall. I hope that I may justify the confidence of good friends like you and accomplish something of importance which will contribute not only to my University research interests but also to the increase of mutual understanding and good will between the two Americas.

I am transmitting your check for \$25.00 to the Regents of the University who will add their official thanks to my personal appreciation.

With all good wishes

Cordially yours,

THG:T

REPORT OF THE TENDER OF A GIFT

(Please read gift rules on back page and supply answers to all pertinent questions in this form)

Date Sept. 14 1948

1. Name and address of donor and/or responsible representative:

Mr. Lowell W. Berry

1459 Third Street Oakland 7 California

Originals of correspondence relating to this gift must be sent to the President

2. Has donor requested "no publicity"? No
3. Are you sending a letter of acknowledgment to the person offering this gift? Yes x No
4. All accepted gifts are acknowledged by the Secretary of the Regents. Will an additional letter of thanks from the President's Office be necessary? Yes No x
5. Description of gift: Check for \$25.00 to assist in support of continuation
Fourth Univ. of Calif. Bot. Gard. Expdn. to the Andes

Attach inventory if necessary

If the gift is of money or securities, what amount accompanies this report? \$ 25.00

Is there a time limit on expenditure? If so, give expiration date

Has a report on expenditures been requested? If so, when is report due?

6. If this is a new gift, state donor's purpose; or if a contribution to a fund or for a purpose already established, identify:

To be added to South American Expedition Fund

Account number, if any: 64275 13 43760

7. What expense, if any, will the University be caused to share in acquiring this gift, namely, cartage, freight, express, other

Will acceptance of this gift require space? If so, is space available?

8. Submitted by T. H. Goodspeed Department Botany Campus Berk

Recommended for Acceptance

By _____ Vice-Pres./Provost or other Administrative Officer Date _____

By _____ Business Manager Date _____

By _____ Office of the President Date SEP 14 1948

NOTE: Signatures must appear on all copies.

Accepted by Regents	Date <u>SEP 7 1948</u>	For use of Chief Accounting Officer
Donor notified		Various Donations--Botany--Botanical Gardens--
Special letter sent		<u>South American Expedition</u>
		Acct. No. <u>43760-10-43760-64275</u>

BY AIR MAIL

CENTRAL TOBACCO RESEARCH INSTITUTE,
(Under the Ministry of Food & Agriculture, Government of India)
Rajahmundry, India.

Telegrams: TABSEARCH

Telephone: 130

No. T.56/56

October 31, 1956.

From

Dr. N.R. Bhat, Ph.D. (Cantab.),
Director, Tobacco Research.

To

Dr. T.H. Goodspeed,
Director, Botanical Gardens,
University of California,
Berkeley, California, U.S.A.

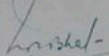
Sir,

With great interest, we are pursuing your monograph in the GENUS NICOTIANA and needless to say that we will find ~~it~~ it invaluable in our investigations relating to tobacco. As you may be aware, the Central Tobacco Research Institute has been functioning under the Ministry of Food and Agriculture, Government of India and we have a small section dealing with Cytogenetics of the species. In this connection, we have been obtaining from Dr. R. E. Clausen of California, seeds of almost the entire species of the genus and have progressed to some extent in establishing a living collection of them. However, we have yet to secure materials of the kind mentioned in the attached list in doing which we would seek your help, as you have referred to them in your Monograph. We shall be greatly obliged if you will kindly spare a little quantity of seeds of as many types as are available with you. For those that you do not have, you ^{may} please oblige us with a list of addresses from whom they could be secured, so that we can contact them ourselves. We have already been in contact with Dr. H.H. Smith in connection with Rustica-Tabacum back-cross seeds.

It will highly be appreciated if the available materials are despatched to us at your earliest convenience so that they may be grown in the current season.

With kindest regards,

Yours faithfully,



DIRECTOR TOBACCO RESEARCH.

js/

- (A) Species. (1) *N.glauca* - Var. *Ventra* 9742
 - *West* 8400 ✓
 - *Mexia* 04317 ✓
- (2) *N.rustica* - *pumila* ✓
 - *pavonii* ✓
- (3) "*N.collosea Andre*" (*Garden Tomentosa*)
 (4) *N.forgetiana* ✓
 (5) *N.longiflora* - *Jorgensen*-3663
 (6) *N.petunioides* ✓
 (7) *N.acaulis*
 (8) *N.ameghinoides*
 (9) *N.acuminata* - Var. *Johnston* 4898
 - *compacta*
 - *multiflora*
- (10) *N.longibracteata*
 (11) *N.spegazzinii*
 (12) *N.ingulba*
 (13) *N.stenocarpa*
 (14) *N.fragrans*
 (15) *N.eastii*
 (16) *N.tabacum* - Var. '*Parpurea*' ✓
 (17) *N.tabacum* - Var. '*Machu Puchu*' ✓

(B) Amphidiploids: *N."digluta"*, "*dirugla*", "*ditagla*", "*disualovii*" and *N."triplex"*.

(C) Haploids in *N.tabacum*, *sylvestris*, *rustica*, *glutinosa* and available ones.

(D) Tetraploids: *N.tabacum*, *sylvestris*, *glutinosa*, *repanda*, *rustica* and *glauca*.

(E) Arenploids: *N.tabacum*, *N.rustica* and *N.sylvestris*.

(F) Monosomics or Trisomics or both - in *N.tabacum*, *N.rustica*, *N.sylvestris*, *N.langsdorffii*, *N.glutinosa* and *N.glauca*.

(G) X'ray or other ray derivatives in *N.tabacum*, *N.rustica* and *N.sylvestris*.

--ooOoo--

By Air Mail

Dr.N.R.Bhat, Ph.D.(Cantab),
Director, Tobacco Research.

Telegrams: TABSEARCH.
Telephone: 130.

CENTRAL TOBACCO RESEARCH INSTITUTE,
RAJAHMUNDRY.

D.O. No.T.56/56.

November 12, 1956.

Dear Dr.Good speed,

You might perhaps be in receipt of our letter dated 30th October, 1956 requesting for seed samples. We wish to add an item to those that we have indented in our previous letter. We are interested in Duplication or Deficiency or any form of translocation types in *N.tabacum* and in this connection, we read your reference in the monograph to Lammerts (1934) regarding deviation of *N.tabacum* -- 'Coral' -- a translocation product involving deficiency and a duplication of one chromosome arm, also the reference by G.R. Burnham in the July 1956 issue of Botanical Review to Mallah (1943) who has established translocation in 8 chromosomes of *N.tabacum* for "Furpurea". We will be highly obliged if you can obtain for us similar translocation products either from your collection or through any of your collaborators. If any such types are readily available with you, you may please add to the collection that you might like to send us in reply to our previous letter.

We would also be thankful to you if you can spare copies of the following reprints, for our Library.

With kind regards,

Sincerely yours,
L. Bhat

To

Dr.T.H.Goodspeed,
Director, Botanical Gardens,
University of California,
Berkeley, California, U.S.A.

R e p r i n t s :

- (1) Goodspeed, 1947: On the evolution of the Genus *Nicotiana*. Proc.Nat.Acad Sciences.33.1947 P.158-171.
- (2) Clausen R.E. and Cameson D.R.1944: Inheritance in *N.tabacum* XVIII. Monosomic analysis.Genetics.29. 446--477.
- (3) Cameson D.R.: 1952. Inheritance in *N.tabacum* XXIV. Intra Specific differences in chromosome structure. Genetics 37. 288-296.

--oo00oo--

December 18, 1956

Dr. N. R. Bhat
Central Tobacco Research Institute
Rajahmundry, India

Dear Dr. Bhat:

In response to your letters of October 31 and November 12 I am enclosing seed of such species on your list as is available. Certain of the species you list have never been grown by us and are known only from herbarium specimens (cf. my *Nicotiana* monograph).

Apart from seed of most of the species cultivated here we have not maintained the various derivative types you list -- indeed, a number of them are sterile.

Regretting that I cannot be of more service to you and with best wishes,

Sincerely,

THG:T

CHRONICA BOTANICA Co., *International Plant Science Publishers*

Teleföone: WA 5-0600 — Cables: Flora
Catalogue, with list of authorized agents, on request
Established in 1955, at Leyden



Chronica Botanica House
WALTHAM, 54, MASSACHUSETTS, U. S. A.
977, Main Street — P. O. Box 151

Dr. H. R. Bhat,
Director,
Central Tobacco Research Institute,
Rajahmundry, South India.

Waltham, Mass., U.S.A.

September 23, 1957

Dear Dr. Bhat,

With thanks for your good letter of July 6, 1957, in which you ask for permission to reproduce a number of plates from Dr. Goodspeed's "The Genus Nicotiana", we beg to report that we have no objection, provided the source will be properly acknowledged and a copy of the publication concerned will be sent, not to us, but to Professor T. H. Goodspeed (2079 Life Sciences Bldg., University of California, Berkeley 4, Calif., U.S.A.).

Yours sincerely,

hv36A

Chronica Botanica Co.

cc: Professor Goodspeed.

CENTRAL TOBACCO RESEARCH INSTITUTE,
Rajahmundry, S.India.

Telegrams: TABSEARCH
Telephone: 130

No.L. /57

6th July, 1957.

From

Dr. N.R. Bhat, Ph.D. (Cantab.),
Director, Tobacco Research.

To

M/s. Chronica Botanica Company,
Waltham, Mass., U.S.A.

Dear Sirs,

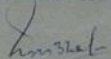
on tobacco/ The Ministry of Agriculture, Government of India,
intend to publish a monograph/with special reference
to Indian conditions, and I have been asked to supply
material for the same. In this connection I would
like, if permitted, to use the following figures given
in the monograph "The Genus Nicotiana" by T.H. Good-
speed which has been published by you.

	<u>Page.</u>	
Fig. 1.	2	Origin and relationship of 14 sec- tions of the genus <u>Nicotiana</u> .
"	27h.153	Karyotype of <u>N.rustica</u> .
"	28f.155	" of <u>N.tabacum</u> .
"	52b.236	<u>N.tabacum</u> X <u>N.tomentosa</u> .
"	57 310	Origin, evolution and relationship of 60 species of <u>Nicotiana</u> .
"	67 354	<u>N.rustica</u> , var. <u>brasilia</u> .
"	74 374	<u>N.tabacum</u> (var. Machu Pichu)

I shall be grateful if you will kindly let me know
at your earliest whether I could use them for incor-
poration in the monograph. It will be mentioned under
each figure that it has been copied from the above
book with the kind permission of your Company.

A very early reply is solicited.

Yours faithfully,


DIRECTOR TOBACCO RESEARCH.

js/

116 Jefferson Blvd.
Clarksburg, Calif.
May 5, 1955

University of California Botanic Garden
Berkeley, California

Gentlemen:

The Clarksburg Garden Club would like very much to visit your gardens on Tuesday, May 17. In the pamphlet put out by the California Federation of Garden Clubs it states that you are open daily.

We would very much like to have a conducted tour, if possible, for at least part of the garden, and would appreciate your letting us know if that is possible. We expect to arrive by bus around 10:30 or 11:00, and will have lunch somewhere near the Gardens. If a conducted tour is possible, it could be either from 11:00 to 12:00, or after lunch, beginning perhaps at 1:30, altho we would prefer the information and orientation before lunch so that we could better enjoy the display and plant collections.

Please let us know as promptly as possible just what we may expect. Thank you.

Very sincerely yours,

Mrs. Avis E. Bielefeld

Mrs. Avis E. Bielefeld

Berkeley 4, California
May 10, 1955

Mrs. Avis E. Bielefeld
116 Jefferson Blvd.
Clarksburg, California

Dear Mrs. Bielefeld:

Your letter of May 5 reached me yesterday and I have arranged that Mr. Robert Dutton, Manager of the Botanical Garden will conduct your group through the Garden on Tuesday, May 17. He will be awaiting you beginning at 10:30.

There are two picnic tables in the Botanical Garden, at some distance from each other, seating a total of 20 persons. Large parties often picnic on the lawn. The Botanical Garden is not on the main campus and there is no convenient place to eat luncheon nearby. It is at the head of Strawberry Canyon on the road which runs eastward on the north of the Memorial Stadium.

Sincerely,

THG:T

4111 gibber

116 Jefferson Blvd.
Clarksburg, Calif.
February 9, 1949

U. C. Botanical Gardens
Berkeley, California

Gentlemen:

For several years I have been interested in flowering trees (suited to the temperate zones), in a strictly amateur way, and have been able to find quite a few for my garden, including *Davidia Involucrata*, *Franklinia Alatomaha*, *Lagunaria Fattersoni*, and others. This year I find I can purchase *Cotinus Coggyeria Purpureus* from Armstrong Nurseries of Ontario. In writing to different nurseries and seed companies in the western states, I have been advised to write to you. Can you be of help in telling me where I might find seeds, slips, or small specimens of the following:

Paulownia Tomentosa or *Imperialis* (Empress Tree)

Stewartia pentagyna (also variety *Grandiflora*)

Gercis Canadensis Alba

Gercis Racemosa

Cladrastis Lutea (*Virgilia*) (Yellowwood)

Virgilia Capensis

Halesia (or *Mohrodendron*) *Carolina* (Silverbell) or

" " " *Dipterum* (Snowdrop Tree)

Amelanchier Ovalis or *Vulgaris* or *Rotundiflora* (European Shadbush)

Hamamelis Mollis

I have found that I can get all these trees except *Gercis Racemosa* from Henry Kohankie & Son of Painesville, Ohio, but the cost of getting them here is very high. I have been told that there are trees of *Virgilia Capensis*, *Cladrastis Lutea*, *Paulownia* and *Stewartia* in Southern California and also around Portland, Oregon, but I am unable to find them for sale from the nurseries in those localities.

Any help or advice you can give me will be greatly appreciated.

Very truly yours,

Mrs. C. A. Bielefeld
Mrs. C. A. Bielefeld

May 25, 1949

Mrs. C. A. Bielefeld
116 Jefferson Blvd.
Clarksburg, California

Dear Mrs. Bielefeld:

I am sorry that your letter of February 9 has so long remained unanswered. I have made some inquiries concerning sources of plant material to which you referred. It appears that you should get into touch with the Clark Nursery Company, San Jose, California, who may have some surplus material in young stages which they will be able to sell at less than the standard prices.

Regretting that I can be of no direct service to you,

Sincerely yours,

THG:am