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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.

H. H. BARTLETT, DIRECTOR
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ADRIAN P. WEZEL, HEAD GARDENER

E. G. ANDERSON
(NATIONAL RESEARCH FELLOW)
MAIZE AND DROSOPHILA

E. E. DALE
CAPSICUM: QUANTITATIVE CHARACTERS

STERLING H. EMERSON
GENOTHERA, MAIZE, AND CLOVER

UNIVERSITY OF MICHIGAN
ANN ARBOR
BOTANICAL GARDENS AND ARBORETUM



CARL O. ERLANSON
ALLIUM: DISEASE RESISTANCE
EILEEN W. ERLANSON
AMERICAN WILD ROSES
KATHERINE A. FELLOWS
HORTICULTURE
FELIX G. GUSTAFSSON
PHYSIOLOGY: DISEASE RESISTANCE
PETER J. KLAPPAK
GENOTHERA: DISEASE RESISTANCE

11 Oct. 1924.

Dear Ball;

I am interested in your
Salix work and think that
several of our staff and
graduate students ^{and others} would like
copies.

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- Dr. J. H. Ehlers	} Dept. Botany Univ. Mich.
- Mr. Carl Erlanson	
✓ Prof. Ernst Bessey	} Mich. Agric. Coll. East Lansing
- Dr. Darlington	
- Mr. Cecil Billington	Detroit News, Detroit
- Mr. O. A. Farwell	Parke Davis & Co. Detroit

I am getting ready to set
out a Salix collection at the
Garden, and have started cuttings
of several species to set out
next spring. It would be a
(See over)

very desirable thing to have
cuttings representing your
new discoveries. Can you
send us whatever you
may have growing there (with
data) and bear us in
mind when you find
interesting things in the
future? If you care to
have live plants, I can
receive cuttings from you
whenever you are in the
field, start them, and
return part of them rooted
& growing, whenever convenient.
Of course Washington may
provide such great facilities
that this doesn't interest
you, but we shall be very
glad to have any critically
determined or interesting
material for our collection.

Sincerely yours,
H. H. Bartlett

Oct. 17, 1924.

Dr. H. H. Bartlett,
University of Michigan,
Ann Arbor, Mich.

Dear Doctor Bartlett:

Your letter of October 11 duly received, and I thank you heartily for the names of others whom you think will be interested in the reprint. I find that some of them already are on my mailing list; the others I will be glad to supply.

I am tremendously interested in your proposal to start a salicaceae at Ann Arbor. I wish you success and will be glad to contribute material from different parts of the country as I travel about. Unfortunately I do not have living material here at present. This is due to a combination of several causes. I had a lot growing at Arlington Farm years ago, but this was destroyed one summer when I was in the far West. Arrangements then were made with Mr. Lamb in the Forest Service to handle material out at a site near Rock Creek Park, but this also did not materialize properly, as the site was not satisfactory and Mr. Lamb left Washington permanently. We have been hoping, praying and working for a real botanic garden here. You are familiar with the details of the so-called Hamilton Hill project and the response of Congress that they will add another city block to the present botanical garden and make it "the finest in the world". However, we are hoping still that some day a true botanic garden will exist here in Washington where material can be sent with the knowledge that it will be taken care of and with the hope that the site will not be destroyed more than once every ten years.

I am especially grateful for your offer to receive cuttings, start them and return part of them to me rooted and growing. This would be of the greatest assistance to me if we get a satisfactory site because, even if the site develops, it would be a miracle if there is anyone around to whom you can entrust a package which has traveled several days by mail with the assurance that he will care for the material therein.

- 2 -

I am out mostly in midsummer and Washington summers are not the best time for starting material taken at that time of year. I have some fine contacts with collectors who are in the field a good share of the year and would be able to send material after the plants had ceased active growth in the fall or before they had begun such growth in the spring. I am leaving for California and Arizona in about a week and, while I shall be on a rush trip, I may be able to grab a shoot or two of some of the characteristic western species.

Very sincerely yours,

C. R. Ball,
Senior Agronomist in Charge.

CRB/ecs

From H. H. Bartlett

H. H. BARTLETT, DIRECTOR
FRIEDA COBB BLANCHARD,
ASSISTANT DIRECTOR
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PHYSIOLOGY; DISEASE RESISTANCE
PETER J. KLAPPAK
GENOTHEA; DISEASE RESISTANCE

22 Oct. 1924.

Dear Dr. Ball;

I shall be on the lookout for any cuttings that you may send in, and shall see that they have immediate attention. They will travel a week with perfect safety if done in compact packages, dry or with a little moss, wrapped in oilcloth. A yard of oilcloth costs only 38¢ and will provide for at least five small bundles of cuttings. It may be used so that cloth side is out, and address put right on the cloth with fountain pen, altho I generally prefer a shipping tag. We

(See over)

are always glad to reimburse donors of plant material for packing, postage, etc.

In our own collecting for the garden we have had the greatest success with the oilcloth method for small shipments. All that one needs to carry is a bundle of oilcloth in convenient sizes and a ball of string. In collecting cuttings I have cut them

to correct length + an inch at each end for fresh trimming at Garden, and have tied them into tight little bundles with a label on each. Several such bundles (all from each collecting place, usually) were then wrapped tightly in oilcloth & mailed. The cuttings can't dry out, and do not heat unless the packages are

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carelessly left in the
 Sun. A little barely moist Sphagnum
 is an advantage, but not indispensable.
 All this is doubtless
 unnecessary advice! However,
 we experimented quite a
 bit before we discovered
 how to do incidental collecting
 easily, quickly and successfully.

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 You may be assured
 that we shall make everything
 live that will grow from
 cuttings, and that the
 rooted plants will be
 ready for you whenever
 you want them. Our plants
 here will be permanently located
 by survey, and will be
 available to you at any time.

Sincerely yours,
 H. H. Bartlett

Dec. 29, 1924.

Dr. H. H. Bartlett,
Director, Botanical Gardens and Arboretum,
Ann Arbor, Mich.

Dear Doctor Bartlett:

Your good letter of Oct. 22, acknowledged by Mr. McCall on Oct. 24, has been peacefully reposing in my letter basket every since.

I greatly appreciate your spirit of cooperation and also the suggestions about shipment of material. As it so happened, my week in California was full from early morning until late at night with the arrangement of plans for putting our Biggs Rice Station into cooperation with the State, and I had no time for anything else. Also two days of steady rain made the Gumbo soil of the Sacramento Valley something to avoid as much as possible. However, there will be many trips in the future.

There is also, as you may have noted from the press, a possibility that we finally will get our botanical garden here at Washington, in which case I may be able to start something here. Even if that dream comes true, however, I would very much like to have the same material grown at a station much farther north for purposes of comparison so that I may still wish to claim your assistance in this matter.

Hoping to see you at the forthcoming meetings, I am

Very sincerely yours,

G. R. Ball,
Senior Agronomist in Charge.

GRB/ecg

April 28, 1925.

Dr. H. H. Bartlett,
Department of Botany,
University of Michigan,
Ann Arbor, Mich.

Dear Doctor Bartlett:

I recently had some correspondence with Dr. M. O. Malte, Dominion Botanist at the Victoria Memorial Museum, Ottawa, regarding a field trip which he expects to undertake this summer. It will cover much of the Canadian Rockies from the Montana line northward. He is much interested in studies of the willows in which genus I have been determining a great deal of material for him. He has offered to collect cuttings and mail them, if they can be handled. As we have not yet acquired the Hamilton area and have no botanical garden which can be used for this purpose, I am not in shape to take care of material here.

I have discussed the matter with Dr. R. K. Beattie, Chief Inspector of the Federal Horticultural Board, and he tells me that the material can be handled very effectively if Dr. Malte could get an appointment from the Dominion Government as a qualified inspector. I took this matter up with Dr. Malte, and he informs me that his appointment in that capacity is to be made.

If you are willing to take such specimens as he can collect and plant them at Ann Arbor, I will be very glad to arrange with him to send the material. His appointment as an inspector, Dr. Beattie tells me, will make it unnecessary to have the material sent here or elsewhere for inspection, and Dr. Beattie will arrange with their office in Chicago to pass the material on to you without delay. If this plan is agreeable to you, I will ask for an importing permit in your name, and Dr. Beattie will make the arrangements for the transmission of the material through Chicago or other ports.

This will give opportunity for getting some of the rarer species of the Canadian Rockies, and I will be very glad indeed if the arrangement can be made. If we can get the material started at Ann Arbor, I will wish to obtain cutting of it, if and when we can obtain a suitable spot here in Washington to carry on the work.

With kind personal regards, I am

Very sincerely yours,

C. R. Ball,
Senior Agronomist in Charge.

CRB/ecs

May 7, 1925.

Dr. H. H. Bartlett,
Botanical Gardens and Arboretum,
University of Michigan,
Ann Arbor, Mich.

Dear Doctor Bartlett:

Your letter of May 4 is just at hand, and I am delighted to note your keen interest in obtaining and growing the Canadian material which Dr. Malte has in mind to obtain this coming season. I will proceed to make the necessary arrangements with Dr. Beattie, of the Federal Horticultural Board and Dr. Malte himself. I note also your very courteous willingness to handle material of other puzzling genera, if desired, and this I will be glad to consider with other specialists and see what they have in mind.

I note that you have with you a graduate student from India, Miss Janaki and that Mr. Gulkarni will arrive from India next year. If Miss Janaki wishes to work with sorghum, I will be more than glad to assist in every possible way. I will discuss this matter immediately with Mr. McCall, who is in charge of my Agronomic Division, and Mr. Martin, who, in a few weeks, will be transferred to the leadership of the grain sorghum project. One or the other of them will write you more fully regarding the matter. I assume that Miss Janaki wishes material this spring to be grown and crossed during the coming summer. I appreciate the need of moving promptly, therefore, in order that she may have a selection of material for sowing there very shortly.

The question of a collaboratorship for her will be considered just as soon as the program has been outlined, and we know what she has in mind. I will be very glad if this can be correlated with our work in such a way that the results will be of value both to her and to the sorghum industry of this country.

Some years ago, I had a very large collection of sorghums from India, but I doubt if we have viable seed of any considerable number of these now. There were some strongly contrasting characters in the material which I had, both in seed color, seed size, head shape and plant height.

Very sincerely yours,

C. R. Ball,
Senior Agronomist in Charge.

CRB/ecs

Arranged by phone for labels to be sent
direct from JHB. cl

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5 Aug. 1925.

Dear Dr. Ball;

Mr. Walte has sent in
three lots of willow cuttings.
The first lot came in rather
bad shape, - having been too
long in transit, many ^{cuttings} had
fermented & of course are
now dead. Two subsequent
lots were in pretty good
condition, and I think
we shall get many of the
numbers to live. Of course
the wood is ripe toward
the end of the growing
season, and the later
sendings will give better
results. Unless I am

(See over)

mistaken, Mr. Maete has
no more F.H.B. labels,
and I suggest sending
three or four more to him,
with the same permit
number. You can attend
to it better there than
I can here.

I hope that some of
the numbers of critical
interest will be among the
survivors! I'm giving
the material personal
attention.

Sincerely yours,
H.H.B. Bartlett



Botanical Garden,
Ann Arbor, Mich.
Sept. 12, 1925.

Dear Dr. Ball:

I have just received and unpacked the Salix cuttings noted below. They are very dry and many have fermented, but I have cut them up and saved even an inch of live wood if so much was to be found.

<u>Entirely dead</u>	<u>Some indication of life</u>
26	27
29	28
34	35
37	38
39	42
39	47
40	49
41	50
43 (?)	51
44	59
44 (a & b?)	95
45	
46	
48	

Since there was no postmark on the package, I do not know when it was mailed, but it may have been detained for customs or quarantine inspection.

You are going to be disappointed, as I am, at the very small number of collections that have grown. We can only hope that one or more critical forms may be among those saved, to recompense you and Dr. Malte for the labor of collecting so many. We have done our best here, but with material that has fermented in the package it is very difficult to do much. I think that the mail bags often get so hot during the summer that even with the most careful packing, one has only a gambler's chance. We are very glad to take it here, and the more material you send the better we are pleased.

Of Mr. Malte's first lot only 2 are growing. Of his subsequent lots I am sure of saving only 10. Your collections are too recent to report upon.

Sincerely yours,

(S) H. H. Bartlett

September 12, 1926.

Dr. H. H. Bartlett,
University of Michigan,
Dept. of Botany,
Ann Arbor, Michigan.

Dear Doctor Bartlett:

On my return from a long western trip I find your letter of August 5, regarding shipment of cuttings made to you by Dr. Malte and greatly appreciate your attention to this material. I am sure you will make them live if that is possible.

The notation on this letter by Dr. Leighty shows that he arranged to have the Federal Horticultural Board send some more labels to Dr. Malte.

From some point in Canada I sent you about 25 cuttings between two and three weeks ago and from Shelby, Montana, on September 3, I mailed you another bundle containing 25 or 30 more. We were not on a botanical expedition and it is very difficult to get this material in a satisfactory condition. I hope, however, that the packages will come to hand safely and that some of the cuttings will grow.

I had no tags for labeling them but put serial numbers beginning with one on the cut tips of the twigs. This was done in ink and I tried to make them plain enough so that they would be legible when they reached you. If I remember correctly, I did not send you a list of the material shipped from Shelby, as I was working under high pressure at the time. I enclose a list of the numbers herewith.

Very sincerely yours,

Carleton R. Ball,
Senior Agronomist in Charge.

CRB/AJM

H. H. Bartlett
10-IX-25

LIST OF CUTTINGS FORWARDED FROM SHELBY, MONT., SEPT. 3, 1925.

- | | | |
|-----|--------------------------------------|--|
| 26 | <i>S. discolor</i> | long-leaved form. |
| 27 | <i>S. bebbiana</i> x <i>discolor</i> | (?) |
| 28 | <i>S. discolor</i> | |
| 29 | <i>S. discolor</i> | |
| 30 | | |
| 31 | | |
| 32 | | |
| 33 | | |
| 34 | <i>S. bebbiana</i> | |
| 35 | <i>S. petiolaris</i> | |
| 36 | <i>S. discolor</i> | Broad-leaved form. |
| 37 | <i>S. discolor</i> | Narrow-leaved form. |
| 38 | <i>S. subcoerulea</i> | |
| 39 | <i>S. saskatchewana</i> | |
| 40 | <i>S. pseudomonticola</i> | |
| 41 | <i>S. fragilis</i> (?) | sprouts only |
| 42 | <i>S. bebbiana</i> | |
| 43 | <i>S. serissima</i> | |
| 44 | <i>S. balsamifera</i> | |
| 44A | <i>S. balsamifera</i> | 46 ft. tall
^ |
| 44B | <i>S. balsamifera</i> | Low, very caespitose |
| 44C | <i>S. balsamifera</i> | |
| 45 | <i>S. balsamifera</i> | Low, very caespitose clump, 2 to 4 ft. high. |
| 46 | <i>S. balsamifera</i> | with
^
Form of yellow twigs and different leaves |

- | | | |
|----|--------------------------------|---------------|
| 47 | <i>S. discolor</i> | Narrow-leaved |
| 48 | <i>S. discolor</i> | Broad-leaved |
| 49 | <i>S. pseudomyrsinites</i> | |
| 51 | (?) | |
| 52 | <i>S. bebbiana perrostrata</i> | |

Bot. Gard.

Ann Arbor,

17 Sept. 1925.

Dear Dr. Ball;

Have just checked up all the earlier Walte collections. The later ones have not been here long enough to know what they will do. The sad record follows:

Alive:

Our no. = Walte's no.

8206	_____	859	} We have data.
8218	_____	899	

8288	_____	1081	} We have no collection data for our records.
8303	_____	1189	
8305	_____	1190	
8306	_____	1191	
8336	_____	1333	
8337	_____	1334	
8338	_____	1335	
8339	_____	1336	

8342	_____	1558
8343	_____	1567

Almost dead:

Our no. = Matthe's no.

8290	—————	1094	} We have no data.
8304	—————	1188	
8341	—————	1505	
8344	—————	1568	

Dead:

Matthe's nos. 503, 504, 505, 506,
507, 508, 509, 510, 511, 512, 513,
535, 536, 537, 539, 1, 2, 3, 4,
5, 6, 7, 8, 28, 57, 58, 59, 60,
62, 638, 639, 640, 641, 660, 661,
687, 697, 698, 699, 860, 861, 862,
863, 864, 865, 866, 895, 896, 897,
898, 900, 901, 1087, 1082, 1092,
1089, 1093, 1091, 1088, 1084,
1083, 1085, 1086, 1090, 913, 1187,
1184, 21, 1201, 20, 1150 or 1151,
1152, 1179, 1153, 1149, 1158, 1332, 1504.

We seem to have saved not less

than twelve nor more than
16 and to have lost 78 out of
the first 94 collections. It
isn't a brilliant showing,
but we shall hope to profit
by our experience & do better
next time. Anything that
comes in from now on
ought to do much better
than the early, sappy
collections that fermented &
molded easily.

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Please pass this on to
Dr. Matte so that he may
know the worst!

Sincerely yours,
H. H. Bartlett



September 26, 1925.

Dr. H. H. Bartlett,
Dept. of Botany,
University of Michigan,
Ann Arbor, Michigan.

Dear Doctor Bartlett;

Your letter of September 17, commenting on the Malte collections, was duly received and I have sent a copy of it on to Dr. Malte who I suppose has returned to Ottawa after his summer's work.

After receiving your letter of September 12, with reference to mine on cuttings, it occurred to me that I have not heard from you concerning the first twenty-five which were mailed from some point in Canada, probably from North Battleford, Saskatchewan, on August 24. If you received them at all they probably were in no better condition than the second lot, although I think they got a little better start.

While I am disappointed in the results I am very appreciative of the splendid personal effort you have made to salvage the material from the wreck.

Very sincerely yours,

Carleton R. Ball,
Senior Agronomist in Charge.

CRB/AJM

H. H. BARTLETT
B. M. DAVIS
C. H. KAUFFMAN
J. B. POLLOCK
J. H. EHLERS



UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF BOTANY

W. W. TUPPER
ORAN RABEN
F. G. GUSTAFSON
W. M. SEIFRIZ
H. H. CLUM

18 Oct 1925

Dear Dr. Baile;

Better success with
Dr. Malte's last sendings!
Really quite encouraging.
It looks as if fall cuttings
were the best, by far.

Professor N. Lyngbe, Oslo,
Norway, has offered our
Garden a collection of
critically determined
Scandinavian Salices,
to be sent as cuttings. I
have requested that the
importation be permitted,
and have referred to
you as to its scientific
desirability.

When convenient, will

(See over)

you send us collection
data for the willows
that my last letter
indicated as having
lived. I want to have
the accession cards
complete in order to
make zinc labels.

You might suggest
to Dr. Matte that he
use his remaining quarantine
tags for a collection of
cuttings from Ottawa &
vicinity. They might be
of value to you.

With best regards, I
am,

Sincerely,
H. H. Bartlett

October 28, 1925.

Dr. H. H. Bartlett,
University of Michigan,
Department of Botany,
Ann Arbor, Michigan.

Dear Doctor Bartlett:

Delighted to have yours of October 18, announcing better results from later shipments from Dr. Malte. Delighted also to know of the possibility of obtaining the Scandinavian species from Prof. Lynge. If the Federal Horticultural Board asks me I shall strongly urge their admission.

I have been absent for nearly three weeks and therefore have not completed the records on the ones I sent you. I hope to do so in the near future and will then give you the information.

I am glad of your suggestion that Dr. Malte send cuttings from Ottawa. I have recently given him critical determinations on a lot of material collected in that vicinity, which will give him opportunity to collect cuttings from the same plants, if he so desires. I will write him to this effect.

Very sincerely yours,

Carleton R. Ball,
Senior Agronomist in Charge.

CRB/AJM

335 Packard St.
Ann Arbor, Mich.
30 Nov. 1925.

Dear Bae;

Dr. Matte has followed your suggestion and has sent cuttings of six of the willows represented by critically determined specimens in the Canadian National Herbarium. If it does not get too cold, he will send more. These cuttings from dormant plants ought to give a high degree of success.

If you have any pet critical forms near Washington and have a chance to visit the plants for cuttings I should like

(See over)

to try them here. Are
there any of your willow
correspondents to whom
you or I could make
the same suggestion?
This is the right time.

The Federal Hort. Board
granted a permit for the
importation of the
Norwegian willows
from Oslo. I hope
that may yield some
valuable things.

Sincerely yours,
H. H. Bartlett



Dec 19, 1925.

Dr. H. H. Bartlett,
335 Packard St.,
Ann Arbor, Mich.

Dear Doctor Bartlett:

Your letter of Nov. 30 was duly received, and I am delighted to know that Dr. Walte was able to send cuttings of six of the local willows which had been critically studied and that he may be able to send more.

I marked some plants near Washington several years ago, and I think most of them could be relocated if there were time. In these latter days budget and appropriation troubles with other activities have prevented field work, since my return from the West. The same thing applied to the matter of writing correspondence in the field. After my return from the American Association meetings at Kansas City, I shall endeavor to list field workers and the species which they presumably can obtain and be prepared for next year.

How about the possibility of sending dormant cuttings quite early in the spring? This might be possible for some of my correspondences.

I am delighted to know that you obtained Federal permit for the importation of the Norwegian material. You will be interested to know that the prospect for Congressional action on the proposed botanic garden and arboretum here is brighter than any time in the past, in spite of the economy program in the matter of appropriations.

Very sincerely yours,

C. R. Ball,
Senior Agronomist in Charge.

CRB/ecy

3814 Jocelyn St., N.W.
Washington, D.C.

Dr. H.N. Bartlett,
Dept. Botany,
Univ. of Michigan,
Ann Arbor, Mich.

March 19, 1950

My dear Dr. Bartlett:

Running into some old correspondence today reminded me that back in Sept., 1925, you were kind enough to try to grow some willow cuttings sent in by Dr. Malte and some by me. They were in bad shape and you were doubtful of saving many of them, if any.

I have a mild curiosity to know if any of them really survived and grew to be great big trees, perhaps as much as several inches high, or even feet. They were sent under numbers corresponding to the herbarium specimens from the same plant.

With warm personal regards, and best wishes,

I am, Very sincerely,

(Carleton R. Ball)

H. H. BARTLETT
B. M. DAVIS
C. H. KAUFFMAN
J. B. POLLOCK
J. H. EHLERS
W. W. TUPPER

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF BOTANY

C. D. LA RUE
F. G. GUSTAFSON
L. E. WEHMEYER
C. A. ARNOLD
C. O. ERLANSON
L. S. EHLERS
K. L. JONES

October 2, 1930

Dr. Carleton R. Ball
3814 Jocelyn St., N.W.
Washington, D. C.

Dear Dr. Ball:

When he left for a collecting trip in Mexico last June, Professor Bartlett asked me to report to you this summer on the willow cuttings sent in by you and Dr. Malte in 1925.

Unfortunately we have only four survivors, but these four are doing well and are bushy trees now about four feet high. They are:

Salix discolor, Can. Nat. Herb. No. 111742	"	"	"	"	"	"	"	"	"
" petiolaris, " " " " " " " " " "	"	"	"	"	"	"	"	"	"
" lucida, " " " " " " " " " "	"	"	"	"	"	"	"	"	"
" discolor, M. O. Malte 196	"	"	"	"	"	"	"	"	"

Professor Bartlett has just returned and wishes me to ask whether you would care to see the only willow which he collected in Mexico. If so, he would be glad to send it.

Yours sincerely,

Linda Cobb Blanchard
Assistant Director,
Botanical Gardens

Dr. H. H. Bartlett

H. H. Bartlett

3814 Jovelyn St., N.W.,
Washington, D.C.

Miss Frieda Cobb Blanchard,
Asst. Dir., Botanic Gardens,
Dept. Botany, Univ. Mich.,
Ann Arbor, Mich.

October 30, 1930.

Dear Miss Blanchard:

I am in receipt of your good letter of October 2, reporting the survival of four living specimens from among the cuttings sent by Dr. Malte of Ottawa, Can. Considering the difficulties attendant on the handling of such perishable material by field collectors, including customs openings and delays, I think it is much to your credit that they have survived.

If Dr. Bartlett wishes a determination of the willow specimen he collected in Mexico, I will be very glad to give it my best attention. In that case send it to the address above.

appreciating your courtesy in the matter, I am

Most cordially,

Carleton R. Ball

H. H. BARTLETT, DIRECTOR
FRIEDA COBB BLANCHARD,
ASSISTANT DIRECTOR
ADRIAN P. WEZEL, HEAD GARDENER

E. G. ANDERSON

MAIZE

E. E. DALE

CAPSICUM, MALVACEAE

BRADLEY M. DAVIS

GENOTHERA; GENETICS AND CYTOLOGY

STERLING H. EMERSON

GENOTHERA, MATTHIOLA

CARL O. ERLANSON

GENETICAL ECOLOGY; ARCTIC FLORA

EILEEN W. ERLANSON

AMERICAN WILD ROSE

FELIX G. GUSTAFSON

PHYSIOLOGY; GROWTH

UNIVERSITY OF MICHIGAN
ANN ARBOR
BOTANICAL GARDENS AND ARBORETUM

FREDERICK J. HERMANN

LIATRIS, RANUNCULUS

E. K. JANAKI

SOLANUM, PASSIFLORA; GENETICS
AND CYTOLOGY

KENNETH L. JONES

GENETICS, FLIES

CHANDRAKANT G. KULKARNI

GENOTHERA, MAIZE

MARIA PASTRANA

BEGONIA; CYTOLOGY

CEDRIC L. PORTER

CRATAEGUS

WILLIAM C. STEERE

SOLANACEAE; GENETICS AND
CYTOLOGY

T. E. WEIER

GENOTHERA; CYTOLOGY

May 13, 1931

Dr. Carleton R. Ball
3814 Jocelyn Street, N.W.
Washington, D.C.

Dear Dr. Ball:

At Professor Bartlett's request, I have

sent you under separate cover his Mexican willow for
identification.

Yours sincerely,

Frieda Cobb Blanchard

(over)

Dr. H. H. Bartlett,
Dept. Botany, Univ. Mich.,
Ann Arbor, Mich.

May 23, 1931.

My dear Dr. Bartlett:

Your letter of May 13, by Miss Blanchard, and the accompanying packet of willows were forwarded to me from my home in Washington. I am returning the package by mail. It contains a beautiful set of *S. taxifolia* HBK., the most graceful and small-leaved of the many long-leaved willows (Section *Longifoliae*).

Please note that I am here for the year 1931, and will be glad to determine any further collections sent here. A single specimen usually is sufficient, tho I am glad to see an entire suite in critical cases.

Hoping you are coming out to the AAAS meetings at Pasadena, and that I may have the pleasure of seeing you then, I am

Most cordially,

Carleton R. Ball

Research Associate in Federal-State relations
in Agriculture and Natural Resources.

Dr H. H. Bartlett,
1601 Brooklyn Avenue,
Ann Arbor, Michigan.

3814 Jocelyn St., N.W.,
Washington 15, D.C.

8 December, 1952.

Dear Dr. Bartlett:

Recently I received from you the printed information regarding the Ann Gray Bulletin, its purpose, its status, and its financial situation. If I were younger, I would be glad to join in promoting this most worthy enterprise.

But I am nearing 80 and feel that I should concentrate all my remaining energies on finishing up my work on *Salix*. Much has been done but much remains to do. Recently, I have been naming material for several Michigan collectors.

Another point is that my retirement annuity, does not go as far as it did when prices were lower, so I have had to curtail various expenditures. In all my years in scientific work, I gave my whole time to the wide-flung cooperative enterprises and made no money by working at something else on the side.

I am taking the papers down to the National Herbarium, and will ask a friend there to circulate them, which may help some.

With all good wishes for your work and the joys of the coming Christmas-tide, I am

Cordially yours,

Carleton R. Ball