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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.

Mississippi Agricultural Experiment Station.

FREIGHT AND TELEGRAPH OFFICE,

STARKVILLE, MISSISSIPPI.

S. M. TRACY, DIRECTOR.

Agricultural College, Miss., Jan. 15, 1896.

Dear Duggar;

Yours of 1/13 just at hand. I wrote to Galloway last week, and will let you know at once if I should hear from him. I very much doubt if Seymour would want the place, and the Civil Service business is all right. If Galloway wants you, I think there will be no doubt of your appointment, though of course you will have to pass an examination.

My daughter Alice has been in Columbus two years, and I want her to go to some other institution to complete her studies. I am strongly inclined to the Illinois University, and shall be greatly obliged if you will ascertain whether she would be admitted there on her examination grades from Columbus in lieu of a special examination when she is ready to enter. As the Columbus college is a state institution, I think she should be entitled to that courtesy, but the Illinois University may have special rules which would forbid. If you can find out about this for me, I shall be very greatly obliged.

Yours as ever,

S. M. Tracy.

1896 (?)

Cambridge,
March 16.

Dear Prof. Lyon,
allow me to
introduce to you
Mr. B. M. Duggar of
the Graduate Depart-
ment. He wishes
to be considered a
candidate for an A.M.,
but the Committee
on Degrees from other
Colleges are unable to
say how Mr. Duggar's
degree compares with

and over A.B. or J.B.
since none of the Com-
mittee have a personal
knowledge of the colleges
in Alabama.

Thinking that you
are likely to know
about them, I venture
to refer Mr. Duggan to
you as a fellow-citizen
of Alabama and a
student who is doing
good work with me.
I should be very glad
if you are able to give
the committee the benefit
of your knowledge
in the matter.

Yours, truly, N. G. Harlow.

THE SHAW SCHOOL OF BOTANY,
WILLIAM TRELEASE,
ENDELMANN PROFESSOR OF BOTANY.
O. L. SIMMONS,
INSTRUCTOR IN CRYPTOGAMIC BOTANY.
W. H. RUSH,
INSTRUCTOR IN GENERAL BOTANY.

ST. LOUIS, MO., March 8, 1896.

My dear Druggenden,
Why do you suppose I have not
written you sooner? Well my dear Leg, I will tell you. Be-
cause I have gone out regularly six nights a week! This
is but a slight exaggeration. Tonight I am in - but stand
on my step sometimes even this morning pondering whether or
not I should go out & make a call. But this night be-
ing rather rainy my own room seemed unusually at-
tractive. I have friends here - all & last time I went.
Some of them are delightful young ladies & married.

I went last night - nicely engaged & had a very pleasant
visit with a young lady who is a beautiful musician. She played
me Schumann Chopin & Beethoven. And was so sweet &
willing to play that I was proud to live on the same planet with her.
Now for the great surprise of all. I am learning to - what? - dance!!
And I am being so taught - by a lovely tall girl with long blue eyes.
She says it is remarkable the way I learn dancing. I have danced
at two parties - & expect to go to another soon. Enjoying it? Well I guess
so! I never before knew what real earthly enjoyment was. Lady!
But! All the stuff I used to say about dancing was the merest non-
sense. You remember what I have said about the moral side of danc-
ing? - none nonsense. Well - I have had an exceedingly pleasant
social life - & my work has been highly agreeable. So I have nothing
to complain of.

My advanced class in histology - can put up sections

3/10/96

ST. LOUIS, MO.,

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that are as good as any. They put up two week sections of min
lip $3\frac{1}{2}$ x thick - straightened out the ribbons on slide with water -
stained in ~~aniline~~ carmalum - gentian violet - orange - I made
perfect preparations. I am proud of this. There are four students
in this class. In my elementary class I have ten. Some of them very
attractive young ladies - do do for advanced class. They are work-
ing just now on the pumpkin stem. I hope to give them
Bogner & corn leaves - then have six weeks left for a study of
the local flora.

I see Schenk all the time. He takes his meals at the
same place with us. I don't think you would admire him

men with more intimate acquaintance. but he has some
good qualities. He is very young, only 22 this month. The
young fellows have a great advantage over me. I was just
22 when I entered college.

I had a good short letter from Dr. Thaxter not long ago.
All was going nicely in the laboratory at Cambridge. He said
there was only four men in 216. That will give Dr. Taelow
a chance to do some work. Remember how "Dicky" is. Dicky has
much in him & admires - but I hate him wholeheartedly. I had
a letter from Thaxter not long since - a dear fellow he is.
I have heard several times from Mrs. Duer. Glover wrote me
from Ann Arbor.

Hagerstrom? Oh Hagerstrom is lovely. Miss Hall is
one of the most perfect women I ever saw. Sumner girls?
none ours? yes - one especially, a new friend - one of the best.

THE SHAW SCHOOL OF BOTANY,
WILLIAM TRELFORD,
ENGELMANN PROFESSOR OF BOTANY,
O. L. SIMMONS,
INSTRUCTOR IN CRYPTOGAMIC BOTANY,
W. H. RUSH,
INSTRUCTOR IN GENERAL BOTANY.

3/18/96

ST. LOUIS, MO.,

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and the letters fly back & forth.

Thank you for the Transcript. It is good & has
reminded of the Symphony Concert & Opera. The Italian
Opera comes here soon - but I am afraid I shall not have
any money for them. I have been poorer than ever - My
Lord - has those cats!

I have no plans for the summer. I should like to
teach in a summer school. If I don't do that I will stay
at home & study Greek & play with the girls.

My father is terribly sick. He is wasted to skeleton.
There has not been a day that I should have been surprised to

He called home he was all home Lillie's. One Father
came to the table & ate dinner with us. It was said to think that it
must be the last time we could all sit down together.

I suppose you want home Christmas? Had a good time
with all your little girls. Aunt girls dear? I can fairly kiss them
at night & love them. There are two of the loveliest of them at
my table - one the daughter of the house - the other a relative
- the one with the long blue eyes. O, she is dear! I
have met stacks of people here - they take our night
in - not much like Cambridge.

Will let our dear home you see. Expense
the official paper. I am out of other paper. I kept my
fine.

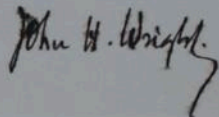
Mr. Hermann von Bohrenck, P. E. D., P. D. Q., Esq. etc.,
etc., this is mean - asked to have his regards sent. Yours J. H. R. R.

Harvard University,
Cambridge, Mass., April 13th, 1896.

My dear Sir:-

Your letter of April 6th has been received, and will be laid before the Graduate Board at its next meeting. You will be duly apprised of their action.

Very sincerely yours,

A handwritten signature in dark ink, reading "John H. Wright". The signature is written in a cursive style with a long, sweeping tail on the final letter.

Professor B. M. Duggar.

Ithaca, N.Y. Apr 15 1896

Dear Mr. Sargent.

I will write Dr. Urban
immediately about the publication of
your work on bacterial disease.

I suppose you would not
come here to be an Assistant
Mycologist at \$800.00 or \$1000.00 per year
in payment to gain Washington?
Work would give the equivalent
of 1 month vacation during summer.

Work to be in investigation
publication of bulletins, & attendance
at various Institutes & Hosts -
Electoral School.

Very sincerely yours

Geo. F. Atkinson

UNITED STATES DEPARTMENT OF AGRICULTURE,
DIVISION OF VEGETABLE PHYSIOLOGY AND PATHOLOGY,
WASHINGTON, D. C.

April 27, 1896.

Mr. B. M. Duggar,

State Laboratory of Natural History,
Urbana, Illinois.

My Dear Sir:

Yours of April 25 is at hand and I am glad to know that the appointment has been received. Matters can be arranged so that it will not be necessary for you to make a formal acceptance of the appointment for three weeks. I hope, however, that you can see your way clear to close the matter as soon as possible, as it is desirable to have the appointment promptly made. I will notify the Disbursing Office here that you will not file the oath of office until a definite acceptance of the appointment is sent in. In accordance with this please hold the oath until you are in position to speak more definitely.

Very truly,

B. A. Galloway
Chief of Division.

N.E.F.

3 Scott St. Cambridge.

April 30 '96.

Dear Mr. Duggar:

I was glad to receive your letter yesterday and at the same time sorry to learn much of which you write, which is, I confess, a great surprise to me, as I had been led to believe from meeting and from my correspondence with the person in question that he was rather the reverse of what you describe. Of course feeling as you do I should think it was undoubtedly wise for you to make a change, and in regard to the two alternatives which you mention although I feel reluctant to give a very decided opinion without further knowledge concerning them, I should feel that were I in your place I should distinctly prefer to try the one with Prof. Atkinson where it seems not impossible that there may be ultimate advancement of a kind that would be agreeable to you rather than tempt the uncertainties of a government position. To be sure there might be a certain independence in connection with the latter which you might not have in the former at least in the beginning but my personal preference would be for a position in some way connected with a college where there were chances of advancement.

I shall be glad to hear what decision you reach in regard to the matter and hope in any case that your change may be for the better.

Very sincerely yours,

Roland Thaxter.

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THE FARM, ORCHARD AND FIRESIDE.

Published by THE PRAIRIE FARMER PUBLISHING CO., 166-168 Adams Street.

E. M. Duggar, Esq.,
Experiment Station,
Champaign, Ill.

CHICAGO, ILL., April 30, 1896.

Dear Sir:--

Please give us an article of about 500 words on "The
Prevalence Of Chinch Bugs"---in what counties they are worst, the
approximate damage they are doing, and what will likely be the
damage from them during the next six weeks. We will pay you regular
price for this matter.

Yours truly,

THE PRAIRIE FARMER PUB. CO.

J. C. Johnson
Manager.

Cambridge
April 30,
1896.

Dear Mr. Duggar,
Your letter was
received some days
ago and I would have
written before had it
not been that I was
so used up that I
had to stop all work
and go out of town
for a few days to recover
my strength. I have

had a most unpleasant
year full of anxiety
and misfortunes
following one another
without ceasing. I
long for the end of the
term when I hope to
get some rest.

I am surprised
at what you write
about Prof. Forbes. I
know him slightly
but had always sup-
posed that he was a
person with whom it
would be pleasant to
work. The question of

using the work of
younger people is
a perplexing one. It
is almost inevitable
that the younger men
should feel at times
that their work is
counting to the advan-
tage of other people
rather than for themselves.
I remember that I
once thought that
my work was being
used by DeBary. In
one sense it was, but
looking back upon it
later I recognized
that I was not war-

raunted in feelings as I
did for the game was
a mutual one and, if
in any way my work
helped De Bary, on the
other hand, he turned
over his material to
me and helped me
vastly more than I
could ever have helped
him.

In your case, I can
not of course judge
of matters as well as
you can. I do hope that
you are mistaken
and that things are
not so bad as you

feel that they are! ^{4/30/38} Still
where there is so much
smoke there must
be some fire, and it
is plain that you had
better not remain
where you are. I have
heard from different
sources that other
places are open to you
and there is no danger
of your being left
out in the cold. From
what I saw of you
in Cambridge I should
say that you would
be likely to get along

pleasantly with those
about you and either
at Washington or
Cornell you will find
congenial people. As
an older person and
a friend let me say
that, at first, young
people have to stand
a good many things
which are disagreeable
merely from the fact
that they are young.
But one quickly grows
older and becomes
more and more his
own master and then
looks back on the days

when he felt that he
was picked about by
older people with a
certain feeling that
he has struggled suc-
cessfully through the
first stage of scientific
life.

Your letter to
Prof. Wright was
brought before the
Graduate Board on
Monday but at a
late hour and it
will be brought up
again at the next
meeting and all that.
I was a little hawpered

by the fact that I
supposed that you
were not to remain
at Illinois but, at
the same time, did
not feel authorized
to state to the board
that you were going
either to Washington
or Cornell. The subject
of your thesis and the
nature of your work
will probably depend
somewhat upon which
place you go to and it
will be easier to decide the
question of thesis and
work after you have
decided which place you
will accept. Yours truly
W. C. Cordon

DEPARTMENT OF BOTANY.

Ithaca, N. Y. May, 11 1896 *189*

Dear Mr Duggar:-

As soon as there is any thing definite I will inform you.
The bill as I wrote you a few days ago passed the legislature, but
the legislature left 774 bills on Gov. Morton's hands, and there is
no telling when he will strike this one. We are looking for a tel-
egram any moment announcing the fact that the bill has been signed.
When that transpires there will be a council meeting immediately since
there is urgent that the work on the thing be started at once. It is
in ~~sk~~ such shape that there does not seem to be any doubt but that all
will go right. The Algae arrived in good condition. You must ~~tr~~ keep
track of your expenses in this matter.

Very sincerely yours,

Geo. F. Atkinson

Ithaca, N.Y. May 20 1896

Dear Mr. Durand:

I sent you a
telegram last night in Frasn.
William's name, which I suppose
you read this morning. The Treasurer
needs you a letter to-morrow stating
the time when your work is to be-
gin. I have not yet heard this
since it was left to the Treasurer &
Director, but I believe the feeling was that
your work should begin as soon
as possible. I congratulate
you on the appointment and am
delighted at the prospect of your
coming - Will write you well
in a day or two
Very sincerely,
Geo. F. Atkinson



Office of the State Entomologist.

Urbana, May 24 1896

Dear Duggan,

Forbes thinks he has made a great discovery, and has been rushing around the Lab. since Friday eve. at great pace. He found a couple army worms fairly coming dead, and stuck to a stem of grass — and is sure it is a "new disease." It is a febrine, and I noticed, a few days ago, three small plates on your table, which contained ^{army} worms dead with the same disease. When did you collect them, and have you made any notes on them, if so rush them into print as soon as possible. I send you several specimens dead with the same disease in the enclosed box. — I expect they will be a mass of — when they reach you. Forbes said to me today, that this was a disease you knew nothing about as it belonged to the morpho ^{group}.

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ogist, and was not in your line. Her father
said, he had long thought that the cabbage
worm disease was the same thing - I did
not know that I knew, that you had told
him, that you was of the opinion that he was
got a preliminary notice in some journal
today, some no time! Here on your notes:
Many army worms (*H. unipuncta*) on dying with a disease.
It is not an uncommon thing to find them clinging
to stems of grass and dead. They turn blackish
very quickly and are very limp. They turn blackish
found still living, but unable to move the hinder
part of its body. The disease seems to move the hinder
on the hind parts. The body fluids contain myriads of
rather oval & corpuscles, very much like those abounding
in pebrine. [Diagram of a cell with a nucleus and a vacuole]. Not every large percent of
the worms are affected with this disease - not
more than 10% perhaps. It is interesting to see the
dead worms sticking to the grass stems but not those
over the infested one.

The dryman came after your holes, but as
it was raining, and he had nothing to pro-

MAY 24 '96



Office of the State Entomologist.

Urbana,

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but then I refused to let him hear them.
 He sent them Monday if it is clear.
 Your card reached me today, and I have come
 for the books - forwarded a couple letters to you
 today -

Got a notice tonight of my appointment as
 Asst. Prof. Zool., at Pullman - Salary \$500. -
 How not accepted yet - will wait until I hear from
 Mr. - do not know when they want me to begin
 at Pullman -

The "press" over the Ill. Cent. was all a blind, for he
 wrote Friday to have it made in my name,
 and the "press" was loaded to me Sat. morn. He
 be that the d - h? I will show him my independence
 every now as I am sure of one place at least.

Let me hear from you - With kind regards
 to you and yours (to be) I am ever your friend
 Johnson

Ithaca, N.Y., June 1 96

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Dear Mr Duggar.

I have been keeping a close watch of things here in connection with your appointment, and when I found that a certain letter was sent you at which I am surprised, since the writer was the one who directed that the first telegram be sent you, I saw that he send a "conscience" telegram. Then after the commissioner arrived all was approved as it was certain to be. So you are to be here soon. Good. Please let me know when you will arrive. If you are to stop at a hotel for a day until you get settled, come to the Clinton House. *We are stopping here.* I am sorry we are not keeping house now as we were when you called a year ago, for I should be delighted to have you stop with us until you could get comfortably settled.

I have been too busy for the last two weeks to write you that Dr Uhlworm wants your article on the chinch bug disease, and he will take it in english. He wants it soon.

Very truly yours,

G. F. Atkinson

ILLINOIS

State Laboratory of Natural History.

URBANA, ILLINOIS, U. S. A.,

S. A. FORBES, DIRECTOR.

June 23, 1896.

Mr. B. M. Dugger,
62 Dryden Road,
Ithaca, N. Y.

Dear Sir,-

Yours of June 21 arrived this morning. I approve your proposition to publish an abstract of your report in the Centralblatt, referring to the complete article in the Bulletin of this Laboratory. It will appear as Article XIII. of Volume IV. of the Laboratory Bulletin, and will of course be, like other Bulletin articles, published as an independent contribution without preface or letter of transmittal. Before the abstract is sent away, however, I shall wish to see the article itself. You will remember that I have not yet examined it.

I am in position now to pay for drawings, and have Miss Hart under engagement. You may, consequently, send your pencil-drawings with the MS., and we will see to their reproduction here.

Concerning the abstract published I have only to ask that it shall not be made to anticipate the Laboratory publication, and that it shall contain proper reference to the State Laboratory and to the conditions under which the investigation was carried forward.

You are welcome to the box of duplicate slides.

Sincerely yours,

S. A. Forbes.

Maryland Agricultural College

— AND —

Experiment Station.

College Park, Md. July 28 1896

My dear Sugar:

Thanks for the "M.O." for '96. I was of the opinion that it had been settled. - I am glad your work is so agreeable and pleasant. - Wm. God! How delightful it is to be free! My work is all that could desire at present. I have been over a large portion of the State already, and will start for another trip this morning. I saw Mr. Ballouay last Friday and spent a very delightful forenoon with him and his staff. He is very pleasant, and asked about you. - I have spent a part of two days with Mr. Leonard and his assistants. They are a very nice lot of fellows. I went down the Potomac in company with Mr. Marshall and Mr. Swasty from the Div. of Ent. on an entomological trip last Friday.

We have not succeeded in getting a desirable house

as yet but will have one by Oct. 1. It is quite possible
that Mrs. Johnson and Chester will be in between
during the month of August, and I may
be there a few days myself in case I come
to Buffalo. Mr. Howard has urged me to come
to Buffalo and give a paper on my experiences
with Sporo. and Centh. Webster, of Ohio, is to give
"Four years study of an outbreak of the Chinchee bug in
Ohio". No doubt the meeting is going to be a lively
and interesting one. If I can get the State or
Station to pay my expenses I shall go. What do
you think of our original scheme about Sporo. Centh.
It seems to me we can look hands on our subject
and down any two men who may confront us.
How would this do for a subject? "Experiences
with Sporo. glob. and Centh. aph. in the field." and you
take the other side substituting "Laboratory" for "field."
I will write you again the latter part of this week,
and let you know more definitely about my plans. I
hope this will be satisfactory to you. Wishing you success
in your work I remain very truly yours
W. E. Johnson
W. E. Johnson

Ithaca, N. Y.,

Aug. 17, 1896

Mr. B. M. Duggar,
Ithaca, N. Y.

Dear Mr. Duggar :

We are to hold, under the auspices of the Nixon bill, a series of schools beginning the 28th of August and extending through September. I desire that you should take part in a number of these meetings and have already spoken to Professor Atkinson about the matter, with whom I hope you will confer as to the details of the work. These schools are designed as much to educate the attendants in the methods of observing and thinking about natural objects, as to give them direct information. I wish that we might give the common people a fairly clear idea of what a parasitic fungus is. Mr. Slingerland has succeeded very admirably in explaining what an insect is, and how it lives, and how things appear from the insect's point of view. You will find a synopsis of his admirable talks on p. 152 of our Bulletin 110. It is a much more difficult thing, I am aware, to give persons a concrete idea of what a fungus is ; but I am wondering if you could not give a talk something upon the plan of Slingerland's, and then to make it more concrete by actually tracing out the main points in the life history of some common fungus, like the wheat rust, or something of the kind. Charts could be made to show the various stages in its life history and development, and possibly, also, we could use lantern slides in some places. The ordinary charts are meaning-

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Ithaca, N. Y.,

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less to most people, largely because the objects are entirely detached from the host plant. I should suggest that, in case you have any charts made, as many of the objects as possible should be shown in the tissues of the host. I understand that this is ^{not} possible with the structural characters, but perhaps something can be done to make the matter definite to untrained minds. Mr. Chamberlain could no doubt make charts for you from prints which you have in books or from slides. Please think this matter over and let me know if you think such a talk would be practicable.

Yours very truly,

L. H. Bailey

ILLINOIS

State Laboratory of Natural History.

URBANA, ILLINOIS, U. S. A.,

S. A. FORBES, DIRECTOR.

Aug. 22, 1896.

Mr. B. M. Dugger,
Cornell University,
Ithaca, N. Y.

Dear Mr. Dugger,-

I send you herewith revise of your Bulletin article, with first proof and copy. Everything has been carefully done with the head if not with the hand.

Of course the bibliography was hard for the printer and for me, as I know French very imperfectly and scarcely anything about German. In Prof. Forbes's absence I intended to ask Col. Forbes to look over the titles, but he is not here and proof must go. Please return it as soon as you can. My vacation has delayed the printing.

I had your card titles for reference, and a few queries arose:

1. Is Altum correct? *See Feb 3, 1893 First, naturw. gesellsch. 264*
2. In the first Balbiani article, why not throw out the first citation, as neither volume nor page are given? Should Jour. de l'Anat. be Jour de l'Anat. et Physiol.? This journal was so named in '74.
Notice that on the dateless Balbiani card sent and on the one for 1867 the pages you cite for 1867 are given for another title. Of course the "note additionelle" might be thrown with the 1867 title, but I should hardly suppose it to belong after your title. The 1867 title can be inserted if you wish with pp. 265 and 329, if the disease is bacterial.
3. Notice dates in Bollinger entry. *correct accd to my notes*
4. Garman's title put in brackets because title is "made up."
5. Is v. Gehren a myth? One of his titles is down to Simon (not on your cards to any one); the other title is down to von Scheren, though page is different, and of course both might have used the title.
- See notes I 157*

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6. I suppose Leyert is all right and not a corruption of Lepert.
7. I found the Quatrefoige citation on card and added it.

You will please return the cards enclosed, and note generally if things are right.

Lettel

Very truly yours,

Manx J. Snyder
Sec. Lib.

Maryland Agricultural College

— AND —
Experiment Station.

My dear Rugger:
College Park, Md. Nov 13 1896
Your letter and excellent paper came this a. m. for which accept my sincere thanks. I am surprised that Forbes' has really pushed these papers through. I think I can see through him clearly. He knows that we are so bitterly down on his policy, he thinks perhaps, this one act will save him money a "stob." I can never forget the detestable way he has treated me. He sent me only 25 copies of my article. I think it has been the custom of the office to furnish 50 extras to the author, but I am not real sure about it. I hope you will be able to get more. I did not ask him for any more.

We had a fine meeting in Wash. this week. I met many old friends. Saw your friend Prof. Mearns from Auburn and had a pleasant chat with him. — We had a "Cornell dinner" at Leavory's yesterday. Ex-jus White, Profs. Roberts, Caldwell, & Burr were there besides 15 others from Wash. & various places. Shook hands with Senator Morrill, called on "Grover" — and wound up last night at a Banquet by the Wash. Entom. Soc. — Today I am about "done up". You know what that means don't you? As about you go out again?

Well I read my paper on Spargan 266.

before the Section in Entom. It was also
selected as one of the papers to have been
read before the Gen. Session yesterday
but there was so much miscel-
laneous business they did not touch
the regular program. It has been
referred to the Ex. Com. for publication
and if not intercepted by Forbes
will probably go through all right.
I drew liberally from your paper
and reached the same final
conclusion as yourself. I return
your "copy" by this same mail under
another cover, and thank you very
much for its use.

Please if you get any extras of the
Proc. of the A. N. Sec. of the Buffalo meeting
send me one if convenient.

Keep you on well. Give my
regards to Mrs. — no I don't
mean that! — I forgot you were
not married yet. Have you got
her given her my regards any way —

I heard a bit of news last night
that will perhaps, interest Prof. Atkinson
if he has not already learned it. Prof.
Lazear of the Ohio State Univ. is to be
married soon. I had him branded
as a "confirmed old bachelor." I suggest then
is still here for you — I cannot give you
up yet — Remember what Dr. Howard says ^{namely} that
"married life is the only normal condi-
tion of the adult." Mrs. Johnson & children are well
and join me in kind regards to you.



12967
STATE OF ILLINOIS.

Office of the State Entomologist.

Urbana,

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Dear Sir:

In response to your request for some infection material with which to endeavor to start the chinch-bug disease in your fields, I send you a small tin box containing the fungus of the most abundant of the chinch-bug diseases in condition for use in starting a contagion box. I also enclose in this envelope instructions for the use of this material.

This fungus as sent you is in the form of excessively minute spores or seeds, much too small to be seen by the naked eye, mingled in immense numbers through the raw corn meal which the box contains. Placed in proper conditions upon the bodies of insects, these delicate spores will give rise to a growth deadly to the insect infected. I ought, however, to say that our experience for the last five years with this disease satisfies me that it is practically useless to attempt to introduce it in the field in dry weather, and that it is at best a remedy so uncertain that no one should RELY upon it to the neglect in any way of other measures for the destruction of the chinch-bug.

I beg to call your attention particularly to measures for the wholesale capture and destruction of chinch-bugs as they make their way out of fields of small grain at harvest-time, a description of which is given on pages 6 to 15 of my last Report as State Entomologist of Illinois. A copy of this Report you can obtain free of expense by applying to Mr. W. C. Garrard, Secretary of the State Department of Agriculture, Springfield, Ill., for the Thirty-second Report of that department, with which my own is published as an appendix.

Very truly yours,

S. A. FORBES,
State Entomologist.

ILLINOIS

State Laboratory of Natural History. with 1896

URBANA, ILLINOIS, U. S. A.,

S. A. FORBES, DIRECTOR.

18

I have today received a telegram from Cornell University notifying me of my ~~station~~ appointment as Assistant mycologist at that institution. The appointment takes effect immediately, and I wish to apprise you of my intention to resign the position of Botanical Aisk in this laboratory. It may be stated that the greater freedom for independent investigation at Cornell. I desire to state that the work which has occupied my attention in this lab is now ^{more} ~~the~~ nearly complete than it will be at any time in the near future, and all records are closed up to date. ^{Aside from other reasons, it seems to me that} ~~It seems to me that~~ My change of plans is fully warranted by the connection of my work with the Office of State Entomologist, relative to the rules recently formulated for the utilization of ^{the} results obtained in connection with that Office.

I ask that this resignation ^{may} ~~take~~ receive your ~~sanction~~ ^{sanctions} to take effect immediately, counting my employment to June 1, in view of the fact that the vacation allotted me has been exhausted only in small part.

I would await the next meeting of the Board;
but the Cornell appointment awaits immediate
attention, and little could be accomplished in
the meantime.

Very respectfully submitted
B. M. Duggan