

Hubbard House -
Northampton Mass - March 1.

Mr. Davenport.

My Dear Sir -

I promised to be good and not ask you any more questions - but I have sometimes I am very anxious to know, and I will give you as little trouble as possible. I am sending the Fern Bulletin an account of my dress forms, and in giving the list, I am puzzled over the order in which the forms should come. Oh! for that new Gray's Manual which is going to set everything right! I have the lists of the old Manual, Underwood, Britton & Brown, B. D. Gilbert, and Royal Dodge - No two of them are alike! So far as you named my forms, I have your order - but that was only a part of the list, and some of the others I simply cannot tell about. How would you be so very kind as to write against the list which I enclose, just

JK

Is it this Nephrodium
Molle? And if so, I do
not understand about
the "Communit veins",
mentioned in your Notes -
Rhoriza for August 1902
page 161 - E. H. Gray.

I am ashamed to ask
you so many questions,
but I will be quiet for
a time, if you will be
so kind as to answer
this -

all

and I hope to do more.
I intend to look for the
same forms in both
Pittsford and Dorset.

If there is ever any
thing I can do for you,
I need hardly say that
I hope you will ask
me - it would give
me the greatest pleasure
to serve you in any
way - My gratitude is
very sincere - and would
like to show itself in some
practical way -

Very thankfully yours -
Edw. H. Perry -

Hubbard House.
Northampton Mass.
Nov. 8. 1904.
Mr. Davenport,

My dear Sir -

I do not know
how to thank you for
what you have done
for me, in naming
my ferns, and sending
specimens of three rare
and interesting forms,
which I have seen in
pictures only - Also
for the photographs and
the literature, which

are all most interesting.
My ferns are my friends,
and I rejoice in
everything that helps
me to know them
better.

You treated me to
one or two surprises
also. I was delighted
that the Reporochium
Strosmii was among
my ferns. Miss Strosm
had spoken of sending
me one after reaching

home, where her speci-
mens were - but now
she need not -

I am going to send
you a list of the
other ferns which I
found in Dorset,
for it seems to me
a remarkable place -
Pittford may be
more so, but I was not
able to go about there
as I wished, though I have
several very interesting ferns
from there. Next summer
I hope to go again.

K

Hubbard House -
Northampton Mass.
Nov. 19. 1904

Mr. Davenport.

My dear Sir -

In looking
over some old papers
I came across this
photograph - a stereoscopic
view - so I cut it in
two, that I might
send one to you - It
was something that

Either my sister or
my brother had, a
good many years
ago - and as you
say, it was found
in Milton, N. H.

I do not know where
that is, but I may
perhaps learn from
my brother about it
later on - I consider

it interesting, as being
like one you sent
to me - so I thought
you might like it -

Very sincerely -
Emily Hitchcock Terry,

K

Hubbard House.
Westampton, Mass.
Dec. 20, 1904.

Mr. Bennett -

My Dear Sir -

In looking
at the great series
from you, in which you
mentioned that you were
looking over a large
collection of ferns, made
abroad, I see you
most kindly suggest that
pressing in the future
you may send me a
few - and I am sure

I did not thank you,
or say how greatly pleased
I should be to hear any
you chose to send - It
was pure an inadvertence,
from doing things in
haste - you of course I
should be greatly de-
lighted to receive any
you might care to send.

May I wish you a
Merry Christmas, as the
day is near at hand.
Very sincerely yours,
Emily Hitchcock Terry.

K

Hubbard House -
Northampton, Mass.
Dec. 23-1904

Mr. Davenport -

My dear Sir -

It will give me
pleasure to send you
all my duplicate specimens
of *Asplenium angustifolium*
and I can get them off
to you early next week -
as soon as Christmas is
fairly over - I fear I shall
be too busy tomorrow to
get them out -

You are certainly to be
congratulated on finding
a new species of the

Magician form - and I hope
by congratulate you -
It must be a great
pleasure -

I hope I can get hold
of one of Thomas Pittsford
ferns - the Pittsfordensis
best specimen - I know
exactly where it grows -
from the article in the
Fern Bulletin just rec^d.
It will be my fault
if I fail -

Very sincerely yours.

Emily Hitchcock Ferry,
over

Thank you for elucidating
those convenient views -
In my ignorance I sup-
posed they should be
like this - V But
I see plainly now -

Huttard House -
Northampton Mass.

Dec. 27, 1904

Mr. Brewster -

My dear Sir -

I am sending
you today all I can
find among my
specimens, of the
Agelaeus angustifrons.
I should have said
that I have two or
three times as many -
but a careful search

fair to discern them.

I hope I'm an
Enough to do some
little good - If I
have any other au-
picious good at
any time that you
wish. I am sure
you will ^{not hesitate to} ask me
for them -

Very sincerely -

Emily Hitchcock Foy.

Hubbard House -
Northampton Mass.

Jan. 2, 1905

Mr. Darnford -

My dear Sir -

Man asked
my friend who collected
ferns with me in Acad.,
to send you what he
had of *Asplenium angustifolium*,
and he writes that he
has done so - I hope
it is not too late for
you to send -

My sincerely -
Emily H. Ferry.

Mr. Allan Bowen
is the name of the
gentleman who
sends you the forms -

S. H. J.

Hubbard House.
Northampton Mass.
March 7, 1905.

My dear Sir -

I thank you
very much for your
letter just received,
and I shall send
an alphabetical list
as you suggest - I
would not trouble
you to write ^{it} out for
me - If Mr. Clute
arrives like it, he

may change it - to
suit himself -

By the way, I took
off a part of the *Dickes*.
Miss *forma Schizophylla*
and sent to him - He
was not prepared to
think I had it - but
referred me to Mr.
Clemens - I then
compared the fragment
of my fossil - which I
have left with Mr.
Clemens's type specimens,

and on the look
of my mind - that
I had it - I do not
know where I found it,
except that it was in
Donut some where -
If I get time this
coming summer, I am
bound to find it
again however -

Yours very sincerely,

Emily Hitchcock Ferry,
I shall be very glad
to receive your package
of books - E. H. J.

near Northampton, on
the Lygrium and
the Fordvardia -

Again thanking you
most sincerely. I am

Yours gratefully,

Emily Hitchcock Fry,

I am so glad you sent
your picture - I shall
certainly use it for you
as School Committee,
you think I am not
or believe in Woman
suffrage! E. H. Z

Hitchcock House -
Northampton Mass.

March 17, 1905

Mr. Darwell.

My dear Sir -

I thank you
most heartily for the
fine package of ferns
and your photographs
which come safely
yesterday. I have had
great pleasure in
looking them over,
and I call them a
valuable addition

to my collection -
I hope soon to have
all my ferns mounted
and in good shape
to show people - I get
so little time for
scientific work, during
the college year, that
I am sometimes quite
discouraged - I look
forward to the summer
months, when I have
nothing else to do.

I hope, if you think
of anything I can do

for you in the way
of collecting specimens,
or any other work,
during July & August,
you will let me know.
I cannot a little
work of the kind
here, and yet my
principal time will
be in the months just
mentioned, in Pittsburg
and Dorset - Then, I
shall be very glad if
you wish me to do
anything for you -
The warmest friend

Knowledge of the station. It is so
protected that accident is not
likely to harm it, & I trust
it may be sliding - Once a firm-
time maple forest covered the hill -
I am still hopeful of other stations
w/ like formations. Alatitude could
not have been over 500 ft. We are
320 at our village -

Am intending to be out all of this
month & next. Early in June will go to
Chapinville by invitation of Ch. Park. ^{for}
two or three meetings - ^{at the} ^{place} ^{of} ^{the} ^{meeting}

May 13, 1905 -
My dear Mr. Davenport:
May 3rd I went to
Springfield Greenfield, &
out to the station for
the Botrychium. Found
three just pushing up
through the ground, but
as dead leaves were
all about & the ferns
so brittle, concluded best
not to search further.
Mrs. Wright promised

was cut, and no trace of it
was left there or a'round -
joining ground. But I have never
disparied of finding it & was recard-
ed last lab., the station several
miles from the ~~ground~~ one.

I've got various plants & a
few smaller ones. Miss Crowell
was with me, and we shall
be very careful to guard them

me she would go again
in about two weeks, &
would send you speci-
mens. I will keep her
in mind, and if you
care to write her in
mean time I trust
you will do so.

Braunii was found
in Brautlecht's many
years ago, only a
few crowns. The first

Hubbard House -
Northampton Mass.
June 3, 1905

Mr. Sawyert.

My dear Sir -

I have just
had three or four
fronds of the Eucroa
fern sent me from
Douglas, Arizona - and
I do not seem to have
any way of finding
out what it is -

I can't so much like
my old Horn and
Baker - I think it
is not of water but
occasionally - probably
in 1868 - At all events
I can't seem to find
this. Would you tell
me its name?

I can not forget that
that you said you
would like to see
some ferns from
my fern garden.

in June - and a
little later, when
they are more developed,
I shall send them
to you -

I expect to spend
July in Pittsford & re-
turn August in
Orwell. Can I do
any thing for you?
It would give me
great pleasure to
be of service -

Very sincerely -
Emily Willcock Ferry,

11/11/1911

Huttan House -
Northampton Mass -
June 14. 1905.

My Dear Mr. Darwinton -

I have just put
up to send you two boxes
from each of four fern
plants growing in my
fern bed. I sent some
to you last fall, and you
said you would like
to see them in June.
If there is anything very
interesting I should like
to know it - but I dare
to ask it of you, as

Your Eyes are so Troublesome,
Any time will do down
as I am true till July -
If you should wish a
better specimen of any
of them, at full length,
if you will return me
for me to identify the
plant, I will send it.

I have just had a
most delightful visit
from Mrs. Elizabeth B.
Davenport of Beathbro.
I suppose she is related to
you historically, if in no
other way!

Very sincerely,

Emily Hitchcock Terry.

Have it ...
sufficiently, a photograph
ed &c -

Very sincerely

Ernie Hitchcock & Erny,

V
Pittsford Mills - Vt -
July 27 - 1905

My dear Mr. Raymond.

I send you by
mail today the four
fern fronds that G. A.
Worcester wrote you about.
They have been in my
press since other ferns.
These were the poorest
fronds in the clump,
"but are typical - They
are not quite dry, but

sufficiently to be used.
It was a most interesting
thing to see the four
seeds apparently from
one root. We did not
take off the *H. finlaysonianum*
and *Maignesia*, as
they were ordinary.

I am having a fine
time among the
ferns and fern lovers,
but I can next
Tuesday for direct,

to remain until
September -

I have several
frases of *Strombosia*
which I shall send
you, and I shall have
some of *Erythronium*,
but so far I do not
possess a single frond
of *Pittosporum*. I
hope I have two or three
leaves - I went with Miss
Strombos yesterday to see
the original plant, and
am to have a part of it

Pittsford Mills. Vt.

July 31, 1906

My dear Mr. Darw. pod.

Your very kind
letter is just received,
and I want simply to
say a word to convince
you that I am not really
as stupid as I seemed -
I did not of course for
a moment suppose that
your kinds of ferns all
grew from one stock -
I do not know why I need
the word - They were in
one clump so closely inter-
red, that to an ordinary

Therefore it had the
 appearance of being one
 of the same species I was
 sure of - but we both
 hoped that the fourth
 might prove to be a
Orthopneuste - and
 the first found one
 sent to you, it may
 prove to be so - Certainly
 I hope it may - Certainly
 the two specimens are in
 the dump all right, and
 what has happened once
 may happen again -
 I have three fossils from
 Miss Morris's plant, but

3

only one is fertile - and
that barely so - only
a very few fruit dots -
much to my disappointment.

I go to Dorset tomorrow,
and hope to be as
successful there as I
have been here - in
the course of a few
weeks, I think you will
hear from me again -
I hope I shall be able
to get for you some good
roots of *Spindelium dila-*
tatum - I wonder if you
pick the very large ones,
as the fronds are

Stone or four feet tall?
 They are in profusion
 on Dorset Mountain,
 and I will get a Man
 to dig them and bring
 them down, if that is
 what you wish -
 Are there any other
 living fossils you would
 like from there, if I can
 get to get them?

Very sincerely -

Ernie Hitchcock Terry,

Adams for August,

Dorset - Vermont -

Dorsal Mount.

Aug. 16. 1905.

My Dear Mr. Davenport -

I am sending
you by express with this,
a box containing several
cots of H. dilatatum,
from Dorsal Mountain.
I suppose the ~~boxes~~
will be spoiled, but
I could not get them
down any better. It
is a Mountain Nest.

about sea
level, and quite a
ramp - I trust the
rocks will be good -
I put in both large
and small ones -
There are millions
of them, covering the
top of the mountains -
Many bones are four
feet high - I put in
one of the P. acrostichoi-
des, just to tell you

The common form
This year - and I
could not resist putting
in one fine Sraunii -
it was so handsome -
I also put in one of
the varieties of Cristatum.
it is hard to say whether
it is Clintonianum
or Sloanea - Will you
tell me which it is -
I find a great deal of
it - I'm sorry that

They will reach you
in safety. I am

Very sincerely, Yours.

Emily Whitcomb Terry.

I hope true will be
no mistake about the
expense - It - is paid
at this end - but the
office is some miles
away, and they sometimes
make mistakes - 2-11-7

Dorset Vermont -

Aug. 24. 1905,

My dear Mr. Brewster -

I am glad you
want more ferns - it will
give me great pleasure
to send you the ferns
you mentioned - I had
planned to get them today,
but went instead to Mr.
Hayclark, whose writings
were but *Polytrichum*
and *Woodsia ilicifolia* -
But you may expect
them soon -

Very sincerely,

Emily N. Terry.

Dorset Vermont -

Aug. 28, 1905.

My dear Mr. Davenport -

I am sending
you another box today -
I am afraid every word
will be broken - They are
so delicate - but I think
the roots are all good.
I could not resist the
temptation to put in one
or two Exels - The Woodia
is so pretty - but I fear
it will not come out well.
The plant of H. Spicifera
I put in because it is

a very unusual - form
here - and I wondered
if it was worth anything,
I can see it - enough
Cystopteris I suppose a
few - but some of it
may not keep well - and
you can throw it away!

I am pressing a lot
of Isotriaena - but as you
know, it takes forever
to dry them - so I presume
it will not be till after
my return to Northampton
that I shall be able
to send them - and I
wonder if you would

the very large specimens
of what I take to be
intermedium and obliquum,
I have plenty, and will
send them if you wish.

I expect to be in Northampton
at the end of next week,
(Sat. 8.) after which
time you will hear from
me again -

As my study will
soon satisfy, I am
Very sincerely yours,
Emily Hitchcock Ferry.

and get some more -
It will be some days
before I can do it,
but I intend to send
them to you - do
you care to have me
send the Sygodium,
which probably is small,
as it has nearly run
out? And if I am
able to get the Northwardia
Augustifolia, would you
like that? I am
not sure of being able
to do - but I may -

Hubbard House -
Northampton Mass.
Sept. 15, 1906

My Dear Mr. Deavenport -
I am so sorry

I did not know you
wanted the roots of
Dracopis - for I took
Dr. Swift of Pittsford up
the mountain, when
he came to Dorset,
to photograph that and
the dilatatum - and
of course it would have

been as precious to
bring them down and
send to you - I don't
I have done the next
best thing - I have
written Mr. Brown to
ask him to get them
for you - and if he
has time I am sure
he will - I brought
home a number of
beautiful plants of
Adiantum the day
before leaving
Dorset, to send to you.

Unfortunately I left them
but in the firm box
for the night, unopened,
intending to pack and
send them in the morning.
Alas! in the night came
that fearful storm,
which was almost a
cloud burst, and
it tore them up so
that they are not fit
to send. As soon as
my rush is over here,
I intend to go over to
the Mr. Holyoke with

specimens the next
time I go down - But
from one plant of the
kind I saved the spores
of! I was very careful -
and the mystery remains.

This fall I shall try
raising some up here in
my front room - and
see what the result will
be - I hope Maria's
bond you with this -
it is true quite interesting.
And if I don't trouble
you too much, I would

I found plenty of it in
June, and cannot rem-
ember where it all
went to last fall, when
I tried to find it, and
failed to do so - I am
going again earlier
than I went last year,
if I can - I mean to
make such promises
with a promise. Now
that I am hard at
work again -

I had had a very
curious experience -

Last summer I collected
spores of A. stratum and
Campylopus, very care-
fully, as I thought - In
December I finally got
time to send them, and
I will do in the Botanical
Laboratory, where I had
all the appliances -
Then I prepared them
I put stratum in one
pt. - Campylopus in another,
and mixed the two in
a third - They were kept
in covered milk glass, and
in due time the spores

appeared. When I left
in July, they were not
large enough to determine,
but when I came back
last week and went to
see them, I found the
two pots full of glorious
young plants of Pellaea
atropurpurea! In one pot
was a small Adiantum
also, and in another
a Cystopteris - Now I
knew not even a spore
of any of these, as I
suppose - But here they
are - I'll send you

tell you about my
article in the July Fun
Bulletin, which arrived
today! Mr. Chute asked
me to write the article
for the ~~June~~^{April} No. Then he
thought he would not
put it in till July -
I appended a full list
of the funds I had found
in doubt, as in that
list lay the entire value
of the article - He wrote
me and said he would
publish the list - he
would simply give the

names of those I had
sent found in the
previous year - that
was in January, 1898 -
(The previous article.)
I vigorously protested,
saying that not only would
know what my list was
seven years ago, and
I insisted that as all
the names of the article
was in the computer list,
I wished it published -
He made no reply. So
I suppose of course
he would do as I asked.

Now it comes, with a
very incorrect list of a
few names found last
summer - Harriet & a
right to be right? I
suppose it will do me
good to protest now - the
dud is done - but
I am anxious that you
at least, should know
the truth -

Pardon the length of
this letter, and believe me
Very sincerely yours,
Emily Hitchcock Fry,
The parcel form will go to you some
day - before my long.

The following I found in
Dorset, in addition to
those I sent you - E.H.7.

Adiantum pedatum -

Pteris aquilina -

Pellaea gracilis -

Asplenium Trichomanes.

" *Stratum* -

" *rotu - muraria* -

" *angustifolium* -

" *thelypteroides* -

Campylopus thizophyllus -

Pinguicula dryopteris -

Aspidium thelypteris -

" *Wombourneii* -

" *Goldianum* -

" *aculeatum* var. *Præunii* -

Cystopteris bulbifera -

" *fragilis* -

Cnocca laudabilis -

" " *var. obtusilobata* -

" *Struthiopteris* -

" " *obtusilobata* form -

Woodsia glauca -

" *obscura* -

Adiantum regalis -

" *cinereum* -

" *claytoniana* -

Pardon me for using

the old nomenclature

of Gray's Manual - I am

printing as patiently as I can
for the new edition -

It is in my hands

I shall give the forms

their correct names -

L. H. Gray -

Would have been glad
to send it - to Rhodora -
Mr. Cullis was much vexed
with me because I sent
a brief note to Rhodora
telling of finding Ditrochium
fil. forma Schizophylla -
and he took me to task
for it!

I am just in my basket
wreck now, but shall be
free soon - and I trust
you will come here
when you visit Springfield.
Very sincerely -
Emily H. Ferry

Steward House -
Northampton Mass.
Sept. 19, 1905

My dear Mr. Davenport -

If you are as
near us as Springfield,
you surely will come
up here - will you not?
I speak for Ms. I shall
be most happy to see
you - and to show you
our botanical department
about I can - I am sure
Dr. Emory will be glad
to see you - and then

see them. If possible
or, an suitable, I would
like to have you go on
some of our interesting
trips - It is easy to go
over the North (Mt. Holyoke)
and to the Woods in Haverly
thru the Lygodium
grove - I shall be most
happy to "personally conduct"
you to some of them places.
Thank you very much
for offering me a proof
of "Hobson's" it will be

a great treasure truly,
I than you had thanked
you for all you have
sent me in the past -
Thank you also for
your words about my
Doubt from article
and Mr. Clute, I hoped
I was not unreasonable -
He asked me to write
the article for the Bulletin,
and one would
think he would have
been courtesy to print it as
it was written - I

before long, I am
Very sincerely yours,
Emily Hitchcock Terry.

Hubbard House,
Northampton Mass.

Sept. 29, 1905

My Dear Mr. Davenport.

I have at last
been able to get off
to the world again, and
I send you the results
by Express today - I
am sorry to send in
two boxes - but it just
happened to have them
handy, and I had no
time to - of course

The Adiantum like some discutting long-
have broken fronds - but so long as they
are not broken off, I hope they will not
hinder the taking out - The Syzygium
is all tangled up - I got a long mass
of the tangled fronds on the top just for
crosses - You may have to spend some

time discutting long - I did not try, as
time was limited - I came across a
magnificent patch of P. hexagoniptera,
and could not resist putting in
two or three - I trust they will all
do their best to please
you!
Hoping very much
to see you here

and you take lunch
with me on Thursday.
The students will all
be away, as that is
their Mountain Day,
and we can have
a quiet day - But
of course I shall see
you either Wednesday
evening or Thurs. Morning,
I plan for what you
must wish to do
through the day -
You will want see
the garden and the

Hubbard House -
Northampton Mass.
Oct. 6. 1905

My dear Mr. Davenport -

I am much
pleased to think
you will come up
here next week,
and I shall be glad
to have your visit
as long as possible -
I have been over to
Plymouth Inn, which

is right at my elbow,
and engaged a room
provisionally, for you,
for Wednesday night.
If you have any
other plan, you are
not obliged to accept
mine, but it is close
by, and comfortable.
If you come by trolley,
stop at the Academy?
In case, and walk
right up the left hand
road - past the High
School, the dwelling house,
and the Foster Library -
Plymouth Inn will then
stand you in the face -
A tall yellow brick building.
The Hubbard House
is only a stone's throw
from there, across
the street. If you
do not choose to stop
at Plymouth Inn, my
directions will still
serve you in finding
the Harbor - I hope
to have Dr. Mrs. Gearing

Plant House, and
The arrangements for
botanical instruction,
Dr. Emory will show
you that better than
I - only I shall go to -
Hoping for pleasant
weather, and no
failure in the plans,
I am

Very sincerely yours,
Emily A. Ferry -

Friday - that you
found Mr. Wright at
home, and that you
found something of
interest and beauty
at Furner's Falls -

In short, I hope your
whole trip was so sat-
isfying that you will
surely come again -

I am very sincerely yours,

Emily Hitchcock Ferry

Hubbard House,
Northampton Mass.

Oct. 18. 1905

My dear Mr. Danforth -

I have at last
done up the package
of ferns for you -
and they go by Express
this afternoon -

I hope there will
be something among
them that you will
care for -

I cannot express to
you with what great
pleasure I recall
your visit of last
week - It certainly
was an inspiration
to me, and I shall
go in the strength
of it for many days.
I hope you will
certainly come again,
and if possible when
we can take a trip

in search of ferns, and
when you can get
an idea of some of
our beautiful scenery.

The Little Soldiers
Quadrat, I found
under the cherries
when you sat, and
so I presume you
may have dropped it -
as I certainly did not.
I hope you had a
very pleasant and
satisfactory trip on

Pittsford place, as I only
had the two boxes - one
large and the other small,
which you saw when
you were here -

Summer seems indeed
bright, and it - is quite
cold - I am afraid there
will be no more fern
trips this year - Have
you heard that Mr. Fernald
has been promoted to
assistant professorship?
I saw a letter which
Dr. Robinson wrote to
Dr. Gammon, in which

Hubbard House -
Northampton Mass -
Oct. 20. 1905

My dear Mr. Davenport -

Our packages
did cross each other
by the way - and I write
to express my sincere
thanks for the precious
things which came
to me yesterday from you -
I took them down to
Mr. Canning, our gardener,
and he had put
them - thinking that

The safest way - so they
will be ready to put
into the ground in
the Spring - I am very
greatly pleased with
them all, and hope
for great results when
Summer comes again -
Thank you also for
your letter which is just
received - I am glad
you reached home
in safety, and glad
too that your photographs

were successful - I shall
be more than pleased
to see them -

I have just remembered
that I failed to enclose
my specimens of *P. trich-*
ium simplex - it was
simply a lapse of memory,
I will put them up
and send tomorrow,
of course there were
no plants to be returned -
I really hope you may
find some of interest.
I did not send the

he told him - He
also wrote a very
interesting account
of the Vienna Congress.

Again thanking
you most gratefully
for all you have done
for me, and hoping
to see you here again
some day, I am

Very sincerely yours.

Emily Hitchcock Terry.

All the living from
you do kindly send
me an line, and
apparently doing well -

Again thanking you
most sincerely, I am
Yours gratefully,

Emily Hitchcock Terry,

Hubbard House,
Northampton, Mass.
Nov. 9, 1905

My dear Mr. Brewster,

I want to tell you
how very grateful I am
to you for the beautiful
and most interesting
photographs which came
yesterday. I have read
Mr. Clinton's note with
great interest - it is
beautifully photographed.
And how charming the
little blue print of the

Proctor - I trust I
may see that growing
next summer -
and I was so much
interested in your Falls
Falls pictures - I cannot
remember how it looked
when I was a child -
but I suppose it - was
in a state of nature,
while this is an artificial
dam - How beautiful and
picturesque have to
give to utility now-a-
days! But these pictures
will show a beautiful country.

I am sorry for your
sake, and the sake of
the little grandsons,
that the picture of Para-
dis was light struck,
but what is left of it
is good - If I can find
a picture of the same
place any where in
Northampton, I will send
it to you - I am not
aware that I can -
The pictures came as
a birthday gift - for
Friday, King Edward and
I both celebrate our
natal day -

except to pass thro it - but I shall want to go now. And if it is found there, it may also be found in other places.

I wonder if you have Mr. Clute's book on the Fern Alliance - I have a copy which I was planning to send you for Christmas - but it has occurred to me to ask you if you already have it - I do not want to send "coal to Newcastle" - But I have the book all done up to send you, and have had it ready for two weeks -

Hubbard House -
Northampton Mass -
Nov. 8, 1905

My dear Mr. Darwinton -

I cannot express to you my delight on opening the package which came in perfect condition this morning - It is a gift - in a thousand - and I could not have received anything which would please me more. I think you

am conjuring a very great
honor on me, in giving
me the last copy of this
most valuable monograph -
and of course nothing could
please me more, since
it is my father's gem -
I have read it with the
deepest interest, and gone
carefully over all the illus-
trations - I do thank you
more than I can express -
and I shall await the
January Bulletin with the
deepest interest, but when

will it come? for the
October No. is not out yet -
At least I have not received
it - I think some mighty
influence ought to be brought
to bear on Mr. Clark, so
that he shall bring out the
Bulletins on time -

And I am most deeply
reluctant to hear that Drypho-
stium filix-mas has been
found in Vermont - Who
was the fortunate finder? I have never been
in that part of Vermont,

And now to thank you
for the two ferns - The P.
Saururus, and the little
Ophioglossum, which are
both so interesting, and which
I have never seen before -
I have two *Athyrium*s from
Mobile Ala - one called
obliquum, with very large
segments, and the other
not named - I wonder
if you would care to see
them - If so, I'll send them,
they will give me by a friend.

And how beautiful and
interesting those fine prints
are - I cannot begin to
tell you how grateful I am
to you, for the wonderfully
interesting and valuable
package - as well as for
so many other things -
These will be among my
most valued possessions -

With gratitude and most
sincere regard, I am
faithfully yours.

Emily Hitchcock Terry,

Hubbard House -
Northampton Mass.,
Dec. 12. 1905

My Dear Mr. Darwinport.

I send you
the book today, and
pick it the two Mobile
Pterychnus - When you
return them will you
be so kind as to let me
if the specimen is rightly
named, and what the
name of the sound leaped

one is - I do not know
who collected them,
but they were sent to
a friend of mine, who
gave them to me -

I am very glad you
will care for the book -
I will not wait for
Christmas to send it,
since you know it is
coming - I trust you
will have a very Christmas
with your family, and
a happy New Year following.

I wish you could have some
great Christmas presents - but
it is true, now the list
list of books is getting mighty
I shall send you my present
for the Anniversary -
Very sincerely and gratefully,
Wm. Whitcomb Long,

Hubbards House -
Northampton Mass.

Dec 12, 1805

My Dear Mr. Darwint.

I am sending
you freely by express,
the Fern Allis, and
the two Botrychiums
from North - all of
which I trust will
reach you safely -

With every good wish
of the season I am
Very sincerely yours,

Emily Hitchcock Ferry,

a skeleton -

I suppose you are very busy, as everybody seems to be. I haven't yet found an hour which I could devote to your sown seeds, as I justly expected to do.

Do you think the ferns collected in August, will grow if sown now? They are ferns of *H. cristatum* & *H. punctatum* - I don't know as I shall ever now get time, but I hope so.

With most sincere regards
I am cordially yours -

Emily Hitchcock Ferry.

Hubbard House,
Northampton Mass.

Jan. 20, 1906 -

My Dear Mr. Darwin -

I have just returned from Burlington where we had a most interesting and enjoyable meeting of the Botanical Club. I certainly wish you were there - I saw some a large part of it would have been pleasant for you - Dr. Swift's lantern slide lecture on the ferns of Vermont was very enjoyable. I was also greatly interested in the account

which Miss Darling gave, of
finding the *H. filis-nasa*
in ~~Waltham~~, where she
lives - also in Miss Poooy's
study of the development
of *P. pygmaea virginiana*.
and her specimens of *P.*,
Simplex - beginning with
simplicissimum, then the
medium, sub-compositum
and finally *compositum*.
It made a very interesting
study, showing all the
variations - The *compositum*
was so large, that I am
sure I should have been
called it *Simplex*, had
I been the fortunate finder.

I think some of mine
want here from names,
which I shall hope to be
able to come back.
You advised that from
Rhodon was read and
appreciated - I had
a fine talk from Mr.
Pingle, and an interesting
time up in his room -
The next meeting is to be
in Mr. Mansfield in
July, and the next
will be meeting in St. Johns -
very - I know a
program, thinking you
may like to see it -
This of course it is only

She is a dressmaker in
St. Albans - I would that
there were more women like her!
She is doing good work
in form. I did not
know what she said
about this little one,
but after all, I felt as
if I would like your
opinion - I had not seen
the description which you
so kindly copied for me.

I do not hear from
Miss Cross - I had an
idea that her book

Feb. 7. 1906

Hubbard House
Smith College

My Dear Mr. Davenport -

I thank you
most sincerely for writing
me so promptly, and
such a satisfactory letter.
I did not intend to have
you return the little
sketch to me - for I have
the specimen, and it
was but a few minutes
work any day, so I return

It - again - If you do not
want it, it is easy enough
to throw it in the fire -
but if you have any use
for it, please keep it -

I beg you not to suggest
Emma, that you will not
finish your work on the
order - for everybody
wants it, and I don't
wonder why -

I can hardly wait for
the January Bulletin -
Emma Rhodora seems to be

lagging behind also - I
always thought that was
a mark of promptness -

I have not seen Mrs.
Lynn's article which you
mention - it certainly
makes a most ridiculous
proposition -

I am glad you have
a set of Miss Procter's Po-
etry - I thought them
very interesting - and she
herself is most interesting.
I was impressed so you
were - You know that

was out, and I received
it from one book seller -
but it doesn't come, so I
conclude there is some
delay. Have you seen
G. A. Roberts' book? It
is very attractive - I have
just seen it for five
minutes, and hope to own
one later - I am very
anxious to see Miss Plowden,
for I imagine it is quite
a different thing - But I
must not bother you any
longer, and will say good
night. With many thanks I am
Yours sincerely, Emily H. Perry.

I am waiting with
impatience, for the January
Farm Bulletin - It seems
as if it would never
come - perhaps by next
January we shall see it!

With kindest regards
I am

Most sincerely yours.

Emily Hitchcock Ferry -
Dorchester Mass.

March 16, 1906

Hubbard House
Smith College

My Dear Mr. Davenport.

I am sending
you today by this same
mail, a copy of the
Hortens book on Ferns -
Perhaps you have a
copy, but I want to send
one any way. I am
quite disappointed to see
a flaw in one of the

leaves of the book - and
I really ought to send
it back to New York
and get a perfect copy.
but such things take
so long, that I decided
to send it along with
the apology tacked on!

I must say that Doubt-
less Page & Co, have got
much of a good name,
for I have discovered
about fifty errors in

the book, which I think
are not the fault of the
author - you will see
them for yourself -

It seems quite as
if January had come
again - we had a foot
of snow yesterday - my
poor little bulbs in the
flower bed are up and
nisk - and they probably
are not happy to be so
covered with snow -
but it will not last
long probably -

found it by myself -

I have been longing for
spring - but this snow
and cold weather do
not seem much like it.
However I like the cold,
and feel much better
for having it -

I shall be curious to
know how many errors
you find in the Brown
fern book. I found over
fifty - some of them in-
correct - like writing

March 23. 1906

Hubbard House
Smith College
Northampton,
Mass.

My dear Mr. Darwinst -

I cannot tell
you how pleased and
gratified I was, with
both your letter and the
package of photographs
which came yesterday.

They are most interesting -
and I am so glad to
have the picture of you,

which is so good - And I am glad to know
I have not decided yet just what three Southern
whether I will have it - Botrychia are - I was
framed, or put it in doubtful about them,
your Botrychium simplex as they are so different
Monograph - which is one of our ours - I would
of my most precious if you found anything
possessions - I have of interest among my
never seen as the prints simplex specimens - I
picture of a person, that suppose if you do, you
was so good - I assure will tell me - I am
you that I shall value going to look very earnestly
it most highly, in which for that little from this
ever please I decide to put it, spring, for I never have

that I could give to it -
I might as well give up
all thoughts of doing any thing
except my summer study
and collecting, and I
want to do so much -

I trust you are being
retired of your collections
which are so annoying,
and that you will be able
to do all the work you
desire - Are you not writing
an article on *P. simplex*;
as well as *P. matricariae*
folium? I have the impression

aerial with a diphthong.
Making ^{Hubbard House} & Aerial
^{Smith College}
an absurd mistake -
repeated three times,
even when it was the
reading of a chapter -
I should find it hard
to forgive a publisher
if he made such an
error in anything I
wrote -

Have you heard that
the Vermont Club is to
publish a bulletin?

I don't know just how soon it will be out - I believe the first one is to embody the accounts of the January meeting which was so interesting -

Now I am looking with eagerness for Miss Drossin's book. I was told when I ordered it some time ago, that it would be out in two months, and I am sure that time is nearly or quite up. I wish

she will send you a copy, but if she does not, I beg of you to allow me to send one - it will be a pleasure and a privilege. This winter has been a disappointment to me, because I have not had time at all to work on ferns - I hoped to experiment with spores, even to attempting some hybridizing - but I simply have not had the time

That you were - or does
the latter article include
Hubbard House
Smith College
notes on the former?

It is late, and I must
follow my "children"
up stairs, and see if
their lights are out -
which means that it is
bed time for me!

Believe me always
most gratefully and sincerely
Yours,

Emily Hitchcock Perry.

April 13-1906

Hubbard House
Smith College

Northampton -
Mass -

My Dear Mr. Davenport.

I had a feeling
that I had left out of
my letter the other day,
the most important thing -
and it has since come
to me - but I was too busy
to write them - I want to
ask you if you know any
thing about an barbarism
made by Mr. Hoener 17

Concord - I understand
from his sister (I think)
that he offered it - to
Harvard College, on con-
dition of its being kept
intact, with his name
upon it. I think offers
they did not or could
not accept. She asked
me if Smith College
would be glad to have
it under the same
conditions. Before I

spoke of it - to Dr. Garrison
I would like to know
something about it - if
it is really valuable -
and I come to you,
as I presume you may
know about it - Am
I asking too much? If
not I shall be most
grateful for a reply.

Yours most sincerely,

Emily Hitchcock Ferry -

Hubbard House
Smith College

My dear Mr. Davenport.

I thought you
might be interested to
know that every one of
the fawns you so kindly
sent me, are set out
in a bed specially
prepared for them,
and all, without ex-
ception, are at present
in a flourishing condition.

The *P. spinulosum* Corn-
Cordispermum is the only
one which I had never
seen before, and I am
delighted with the
delicately cut fronds -
It looks now as if
the time was at hand
when we can go off
to the woods and hills
for ferns - and the
fern is already in my
blood! I can hardly

wait for July! How I am
wally for - I hope
you will remember
that if I can do any-
thing for you, in my
line, I am anxious
when you ask it of me.

Trusting that summer
vacation is bringing you
renewed health and strength,

I am
Very sincerely yours -
Emily Hitchcock Terry.
Northampton Mass.
May 20, 1906.

not forget it, or fail to go.
for if it is not what he
wants, I should hope
it might come him - But
I am most desirous that
they should have it, and
I wait anxiously, looking
for a letter by every mail.
So this is a very brief history
of the case -

I am sorry you are so
bothered by the insect pests.
That must mean much
work and care for you -
I hope you will be absolutely

1000
1890
HUBBARD HOUSE
NORTHAMPTON, MASSACHUSETTS

My dear Mr. Darwinst -

I am going to
answer your last question
first - viz: about the Stromer
herbarium - I wrote to Dr.
Robinson about it, and after
a long time he answered
me, saying that as far as he
could learn, no one had
ever heard that Miss Stromer
had suggested giving it to
Harvard - and he felt that
as it was probably a local

collection, and the Gray
people are making this
a specialty - so that if
the herbarium was what
it seemed likely to be
it was, he felt that the
Harvard people really
ought to have it - Of
course I replied that
I thought so too - but I
had no idea of that when
I wrote - I would not
for a moment think of
trying to get it - Certainly
they ought to have it, if it

was what he supposed - I
he suggested calling to Miss
Hoover, & learn the facts
about it - That seemed
an admirable suggestion
to me, and I sent him
the address - That was
on May 1 - On May 6." he
wrote that he would call,
and would report to me
the result - I am indeed
anxious to hear it - but
thus far I have written
no rain, tho a month has
passed - I hope he will

HUBBARD HOUSE
NORTHAMPTON, MASSACHUSETTS

to go to about June
25" - so the time is near
at hand - I do not know
what to look for this year -
but I cannot bear to waste
the summer - I would
like something definite
to look for - If you should
feel like asking me for
any thing I can do, even
this now you do not like
to do so. I trust you will
not hesitate - for I should
be much happier -

Even this you cannot
work at the ferns now,
I trust you will be able

Successful in your efforts -
My ferns all look well,
and are just beginning
to grow after being trans-
planted - I am watching
the *Concordianum* with
great interest - It is still
small, but looks healthy,
and is beginning to grow -
It was while making
an effort to see a specimen
of that fern in Concord,
that I met Miss Hosmer -

But she knew nothing of
The Concordianum, and
I did not find any one
who had heard of it.

Miss Hosmer showed me
a little pressed Adiantum
that had a small round
frond - it was most
interesting - She had but one.

It looked much like the
A. reniforme lately figured
in the Fern Bulletin -

I am sorry indeed that
you have so much trouble
with your eyes - I am enough
impaired to sympathize most

deeply with you - But I hope
you will be able soon to
go on with your favorite
occupation - It is hard
to give it up - I think
Mr. Clute is a very ex-
perimenting man - He does
not like to be brought up
by some body - and I do not
know of any one who could
do it better than you -
Do you feel like relinquishing
it? I wonder if the July
Bulletin will be on time -
I hoped he was going to inform.
My excuse work for the
year is nearly over - I hope

HUBBARD HOUSE
NORTHAMPTON, MASSACHUSETTS

was so before the summer
is over.

If I am not bothering
you too much, I would
very much like to see
my little *Polypodium*
before I go away. I would
not ask you if it will
be any trouble to you -
so please not feel in
the least burdened by
my asking you. If they

One not all the modern
ones I possess. I would
not ask you - show
my father's specimen,
and two or three other
old ones - but that is all,
I have never succeeded
in finding it for my self -
I shall hunt for it - as soon
as I reach Dorset -

Trusting you may have
a better summer than you
have, and wish the

best wishes for the
restoration of your eyes.
I beg you to believe me
most sincerely yours -
Emily Hitchcock Ferry.

Have you seen the
Vermont Club Bulletin?
Did it state that Miss
Glosson's book was not come out?
They promise it - some for
February or March -
June 7 - 1904 -

June 9. 1906.

HUBBARD HOUSE
NORTHAMPTON, MASSACHUSETTS

My dear Mr. Barrelet.

Dr. Robinson has
written that Miss Brown
now states that the
family would not be
willing to part with
the subarium -

You can imagine
my chagrin - Miss
Brown definitely offered

it is Smith's Case
through me - What
I know - But I suppose
when she found that
some one really wanted
it, its value assumed
quite proportions, and
she could not give

it up - I feel very badly
about it - but I course

can do nothing -
My sincerely yours, Emily N. Perry.

HUBBARD HOUSE
NORTHAMPTON, MASSACHUSETTS

But when I have had a
little chance to rest, I shall
undoubtedly be all right.

Very sincerely yours,
Emily Hitchcock Ferry,

June 30, 1906,

My dear Mr. Warrington.

You see I am
still in Northampton, and
I thank you for your letter
received a few days since.
I did not, however, sit down
to answer it; for I am so
busy as I can possibly
be - planning to go up to
Boston on Monday - so
I have only a Sunday left -

But I just sat down
to say that at last Miss
Storson's book has come,
and I wish to send
you a copy, unless you
have received one from
Miss Storson or her
publishers - In that
case, of course, there
would be far more
value to you - and
I do not want to duplicate

the book - But as I
could, I have it for you,
and shall much enjoy
sending it - I go to
Dress on Monday (A.M.)
then I shall be very
happy to hear from you -
The bot doctor has
been and is still very
trying to me - I find
it hard to do all I
must do, before going -

Do you have any hope of
their diminution now that
you? There seem to be no
just cause in doubt, except
the English Sparrow; since
they certainly are nuisances.

Dr. Brown has not been
here this summer - so I have
not even had ferns brought
to me - He is very energetic,
and would certainly have
been on the hunt if he had
been here - When he comes,
as perhaps he may, I shall
hope to get some thing -
tho of course he is not to

Dorset Vermont -
Aug. 5. 1906.

My Dear Mr. Darwinton -

By good right
I should at once have
written you after receiving
your most welcome letter -
as I wanted to express
my indignation at Miss
Anson's treatment - I cannot
understand it - or rather
I do think, as you do, that
the entire change of base
was due to the influence of

Dr. Anderson, and the
rest of the new Fish School.
But it is almost incredi-
ble, after all - for you had
really started her out in
her book, and had done
so much for her afterwards.
I saw East Sumner that
she was hopelessly astray,
as we regard it, but
when all that is said,
the mystery remains - that
she could treat you so.
The first and deepest
acknowledgments should

have been to you -

I wonder if you are
suffering from heat and
dizziness as we are - It is
almost unendurable today.
I am simply glad for nothing
~~today~~ this summer - It is quite
a trial to me to give up all
tramping and fern hunting,
but I can not seem able to
go out at all - If the weather
turns cool and bracing I
shall try it - I am
very sorry you should have
to suffer so from the caterpillar
larviculture - It is too bad.

botanist - but he took
hold of ferns so enthusiastically
last year, that it was
really quite remarkable -

But he writes that he has
forgotten their names
already, and will have
to learn them all over
again - I have had
two interesting flowering
plants brought me by a
young man who raises
chickens - He imports his
grain, and these must
have come from seeds
that are in the grain -

I am studying them, but cannot positively determine them till I go home, as I did not bring the books with me which I need. Shall Mr. you get the new Gray's Manual? I hope to see it before I die! I was pleased to see the June Bulletin - rather late, but not as late as it has been. And of course the most interesting thing was your article on the P. Simpson. I am glad one of

mine got as far up in the scale as Sub composition - Miss Rooney is going to send me a real composition - So the day.

But I fear I am bothering you by so long a letter - I now know when to stop -

Believe me

Most sincerely yours,
Emily Hitchcock Terry,

Sept. 11. 1906

HUBBARD HOUSE
NORTHAMPTON, MASSACHUSETTS

tomorrow for the same
purpose -

I hope your trip to Plum
Island was successful,
and I am glad you had
the outing away from the
dreadful gypsy myths and
their depredations - We
in Northampton are troubled
dreadfully with the Dan
Joe case - which some people
are trying to fight - but I
fear it is hopeless - Very
few people are willing to

My dear Mr. Davenport -

This is just to
tell you that I am back
in my own room again
at the Hubbard House - and
can hardly realize that I
have had any vacation at all.
The summer was a very
hard one - such hot suns &
practices is terrible to bear, and
I did not hear it very well.

It is very hard to be
compelled to sit around
on the piazza in the
shade, counting the joints
little boys, when the
woods and the mountains
are calling so loudly -
I did no botanizing excepting
on two days - on one of
which I found the *Ptrychium*
scirpus, and on the other
the *Pellaea striperpana* -
both new to me - The
the *Ptrychium* was found

the year before - I shall
report them both to the
Gom Bulletin after a little.
At present I have no time
for any thing except in the
mornings - My ferns are
looking very well, much
to my delight - So tonight
I took off three francs
from the *Concordianum*
for my herbarium - and
they are in fair condition
two of them being fructified -
I shall get a *Pittfordia*

take the trouble to rise
their eyes of the pest -
The past three days have
been intensely hot, but I
suppose some practice
must come soon - I
shall hope to hear good
news from you - and
that your eyes are better -

Very sincerely yours,
Emily Hitchcock Ferry,

I hope you are well this
summer, and able to be
about the work you love.
I think you are getting
out a new work on the
cells of *Strychnium simplex*,
are you not? And I am
on the watch for it - I hope
the new Gray's Manual will
be out during the coming
winter. Dr. Robinson assured
Prof. Gausung that it would.

Isn't it a shame that
Dr. Clute does not get the
Farm Bulletin out earlier?
He has not yet seen the

✓ Hartland, Vermont,
July 17, 1907 -
My Dear Mr. Darmsport.

It is so long since
I wrote you, that I am
afraid you will forget me
unless I send you some
sort of a reminder of
myself! So I send a little
photograph which I took
just before leaving Methuen,
of the flower bed under my
window at the Hubbard House,

which shows a row of
saxifrage and ferns, and
behind them the rare ferns
you sent me, every one of
which is growing finely.
The *Crocodyl* fern is at the left;
then the *Pittsford* - then the
hybrid *Cristata marginalis*,
and the *Puffin* & *Crested*
Dicksonia - Every one of them
shows in the picture, tho' it
is too small to make them
out distinctly - It makes
a pretty little picture, and
I hope it may serve to remind
you of your visit to me -

I saw Mr. Elizaugh Drumpf
for an hour at Prunel,
tho' I did not stay for the
drumpf - I am not very
well this summer, and knew
I must not attempt any
climbing, or any bog-trotting -
I was sorry, just as Grace
Gaylock Niles was there to
visit the botanists, and
it was a rare opportunity -
However, health is more to be
desired even than ferns
or orchids - and I knew
discretion was the better part
of valor for me -

near Hampton hills are
only a mile away -

Believe me always
most grateful for your
kindness, and hoping
you are well -

I am

Very sincerely yours,
Emily Hitchcock Terry.

April number - to day
nothing of the July No. I
do think something ought
to be done about it - If you
have it the time, then there
ought to be another Editor
who would do it - I feel
quite put out about it -

I am spending a few
weeks in Hartland Vermont,
where Miss Darling found
the Field - Mag - She is
away for two or three weeks,
but has promised to show

it to me when she
returns - She is an
interesting young woman,
and a fine botanist.

Miss Strong has also found
this form in Woodstock,
the next town to this - So
it seems to be a very well
established fact -

How I wish you could
be here for a while - I
am sure, if you were,
there would be an influx.
I believe West would take

his horses for that well
kind something worth
having - There ^{are} several
good botanists here, and
I wish soon to make
their acquaintance, and
when the weather improves,
I hope to go out exploring.
Hartland is a wretched
village, and I imagine
I am the only boarder here.
Woodstock draws the people.
It is the next town - and
Winchester is the next town
on the other side - The

February 9, 1908.

HUBBARD HOUSE
NORTHAMPTON, MASSACHUSETTS

My dear Miss Davenport-

I am extremely grateful to you for all you have sent me about your father and his work - and I should have written sooner, were I not such a busy woman - When my time comes, bringing freedom from care, I am to try to write -

Work is done - and I am glad to believe that I shall see him again too - My father fully believed that he should study the laws - when he requires a spiritual body - Why shall we not all carry on our study of the works of our Creator, when we have passed from earth?

I shall surely treasure
all these things you
have sent me -

Mr. Eaton wrote me
that your father died
suddenly, "while working
in his beloved field" - and
I could not help thinking
what a beautiful way
to go! Sudden death
is what I long and
pray for - yet I know
the shock to friends

is very severe. But I
think a long drawn out
illness is in the end,
much harder to bear.

I am glad you see
how the Great Com-
forter of knowing how good
and noble he was,
and that he is safe
in the eternal home
of all who love and
serve God - You will
join him when you

Gray's Manual - Hope Co.

I wish I might-day
and do more to comfort
you - but I can say little
you know I honor and
admire him - He
seemed to me to be one
of the sweetest souls I ever
knew - your loss of such
a pastor is very great -

Again thanking you, and
with my sympathy for you all
which is more than I can express
I am, very sincerely yours.
Emily Hilbert Leary.

As to my little package
of *Antyphism*, I shall
HUBBARD HOUSE
NORTHAMPTON, MASSACHUSETTS
be very glad to have
them, if you find them.
This package would be
hardly more than the
size of an ordinary
letter - Perhaps he had
taken them but for
truly, and you may
not be able to identify
them - If so, I beg you
not to be at all troubled,

He spoke several times
of returning them some
time - and I know
he intended to do so.

I do not think he will
do any thing of his
work that I could receive
for you. He talked of
do many things, and
he told me of his trip
to Springfield, when he
photographed the Cliviers

form - he sent me copies
of the photograph, which
I have among my treasures,
and he sent me his
monograph on the Pithch
vine Limpet. I hope
Alvora would have
a memorial of him and
I am daily expecting it.
It must be nearly time
for it to be sent out.
I wonder if he had
completed his work for
The New Edition of The

Los Angeles, Cal.

Dec. 18, 1884.

Mr. Lavenport,

Dear Sir:

The supplement
and check-lists you were kind
enough to send me came all
right. Please accept my thanks
for the same; it was more than
I expected. I am sorry you were
out of the catalogues but I hope
you will issue a second edition
sometimes. No, it was not
Dr. Fote to whom I sent for one.
It proved to be a fraudulent firm
of Rock Island, Ill. It was
some time ago and I have

forgot to be named.

I have a small collection
of ferns - 66 of the Illinois species
and over a dozen other species.

Most of them have been named
for me, as I have studied the
subject but little way to and of
course know but few of the
species. I have collected the
last ferns were to shake of but
intend to the first opportunity I
have.

Respectfully,
W. W. Hayden

W. W. Hayden

813 Park St.

V

ROBERT

Portland, Maine,

September 23, 1895

Mr. George E. Sargent.

Boston,

Dear sir:

I trust you will pardon the liberty I take in sending you by this mail fragments of what I suppose to be a fern, found in the conservatory of a friend, but unknown to him either as to its name or the source from which he acquired it.

It is a long, climbing vine, and, if a fern, would seem to have relations with our *Lygodium*, ^{secundum} (922). Will you oblige me by telling us what it is, and its native habitat; and for such kindness I anticipate my grateful thanks.

I send you also a copy of our Proceeding containing Mr. M. L. Fernald's Supplement to the 1892 Catalogue of Maine plants, - which I trust you may find acceptable.

Respectfully yours

Jos. P. Thompson: (145, Park St.)

THE MISSOURI BOTANICAL GARDEN.

WILLIAM TRELEASE, DIRECTOR.

JAMES GURNEY, HEAD GARDENER.

C. H. THOMPSON, BOTANICAL ASSISTANT.

H. C. IRISH, HORTICULTURAL ASSISTANT.

PLEASE ADDRESS CORRESPONDENCE
TO THE DIRECTOR.

4

ST. LOUIS, MO., 871 3796.

Dear Mr. Darwin:

I venture to refer to you the enclosed letter from Mr. Fletcher, in the hope that you may give him for the N. P. Florist a little article on the fern he refers to. I have suggested to him the desirability of publishing a half-tone from a good photograph, in illustration of anything you may write. Will you be kindly enough to confer with him?

I hope that your son is pleasantly settled by this time. When I saw him last, just before going to Madeira, he was still undecided where he would be for the year.

Very truly,
Wm. Trelease.

THE MISSOURI BOTANICAL GARDEN.

WILLIAM TRELEASE, DIRECTOR.

JAMES GURNEY, HEAD GARDENER.

J. B. S. NORTON, BOTANICAL ASSISTANT.

H. C. IRISH, HORTICULTURAL ASSISTANT. X

PLEASE ADDRESS CORRESPONDENCE
TO THE DIRECTOR.

ST. LOUIS, MO., Nov. 9, 1896,

Dear Mr. Sampson:

I thank you very much for the
living roots of the two rare ferns. I have
asked our gardeners to be especially
careful of them. I had read your article
and note in Garden and Forest shortly
before they came.

Cordially yours,

Wm. Trelease.

I am greatly obliged for you aid with the "Boston Fern".

THE MISSOURI BOTANICAL GARDEN.

WILLIAM TRELEASE, DIRECTOR.

JAMES GURNEY, HEAD GARDENER.

J. B. S. NORTON, BOTANICAL ASSISTANT.

H. C. IRISH, HORTICULTURAL ASSISTANT.

PLEASE ADDRESS CORRESPONDENCE
TO THE DIRECTOR.

St. Louis, Mo., Oct. 11, 1900.

Dear Mr. Davenport:

Can you tell me what *Phegopteris alpestris* and *Botrychium Virginianum* of the earlier Alaskan lists are? Later I may want to ask you about some others, but I shall be very glad to learn about these at your convenience.

Very truly yours;



Mr. Geo. E. Davenport,
Medford, Mass.

U

Mr. Geo. E. Davenport,

Will you please
send me a copy of your Fern
Catalogue, if you have one left.
I will enclose the \$1.00 in stamps.
It is so small a sum, I don't
know how better I could send
it. I received the little pamphlet
this morning but you didn't
send me the price.

Miss A. E. Tucker

Spencer, Mass.

Spencer Aug. 1st. '83

P. S. Your card came this morning
and I wish to thank you for
the pamphlet. I was greatly pleased
with it.

A. E. S.

October 17 11
St. Louis

V

My dear Mr. Davenport,

I had not expected to find the enclosed here but it is not uncommon.

I also find a *Botrychium albidum* & *B. ternatum* which is just coming into fruit.

" " is quite common here and fruits as in the North. I am quite sure

I have a different species. I wish you would look over the date of your material and see if you find anything confused with *B. ternatum* that fruits now. Dr. Mohr has I think the same thing at Mobile, I have sent for his material.

I have so far found only one plant but am keeping that alive until the spores mature.

Yours sincerely
L. M. Underwood.

My dear Mr. Davenport

The Adiantums came all right. I regret to hear that your eyes are troubling you again. I shall be at home during July of this year and should be delighted to see you here for a few days, and take you out to the habitats of *Scolopendrium*. During August I shall go to the White Mts. for two weeks collecting Mosses and Hepaticae principally. I am preparing an article on Cryptogamic collections in this Country private and public.

May I trouble you to fill out data on enclosed card regarding the "Davenport Collection of Ferns" and your own private collection.

Will you also give me the names

or other Cryptogams
of any collectors of Algæ, you may
know in the vicinity of Boston.

Of course the Harvard men, Mr. Drane
and Mr. Collins are known to
me

Yours faithfully
L. M. Underwood

My dear Mr. Davenport,

I received your illustrated lecture and it recalled many pleasant trips with you and others in the regions illustrated.

I send with this a copy of my Ferns, fourth edition, I know in advance that you will not approve some of the changes in name, but I know that mere differences in opinion will in no wise affect our friendships.

As to Dryopteris you will note that Dr. Gray seeing the justice of the name changed over some of the species in 1848. He evidently changed back in deference to the ^{earlier} practice at Kew. So far as I know their methods they are not to be followed at least so far as American species are concerned. In the new Check list of the Plants of N.E. America which is already partly published you will see my reasons for changes given. This includes also some further changes made necessary by a ^{slight} modification of the Rochester code.

Yours sincerely
L. M. Underwood

Morrisville, N.Y.

Apr 8, 1878

Dear Sir,

I am sorry I can not send you any thing better than the accompanying specimens of *Botrychium laucrolatum* and *matricaricarpifolium*.

I have no others at present but shall visit the habitat (unknown to any other botanist) this summer and can obtain many specimens for both are abundant.

Knowing more of the varieties than when I obtained these I shall be able to secure many rare forms without doubt and will be

pleased to send them you.
I can also furnish
Scolopendrium vulgare in
quantity if desirable.

My *Didymata* are as
follows:-

Aspid. Munitum

A. patens

Cheil. Cooperae

Cryptogramme acrostichoides

Lomaria Spicant

Nothoterna Fendleri

N. Parryi

Pellaea Broweri

P. Bridgesii

P. flexuosa

Phyopteris alpestris

Polypodium Scouleri

P.S. The Habitat of the *Botrychia*
is near Haskins N.Y.

I can send an exact description
if desirable.

I will send *Botrychia*
for any of the above in
July. Hastily
L. M. Underwood

Mer. Acad. Sci.,

June 21, 1877.

Mr. E. S. Ingersoll,

Dear Sir:-

Enclosed you will find two specimens of *Botrydium Virginicum*. I have often found them 2 or 3 times as large as the enclosed but never so diminutive as these. The smaller one is one of two of about the same size that I have found this year. I have supposed that the intermediate forms corresponded to the old *B. gracile* of Pursh, but should think this worthy of the name

or *gracillimus*

B. gracilis as it is
the most "graciful" of any
of the forms.

I shall search the same
locality to-night for more
and better specimens of
the smaller form and if
successful will send you
more if desired.

Knowing your interest in
the *Botryclia* I hope these
I hope these may prove
acceptable.

Hastily

L. M. Woodward

203 E. Fayette St.

Syracuse

N.Y.

Capraovia, N.Y.

Nov. 19, 1878.

Geo. E. Davisport.

Dear Sir:—

Enclosed you will find
a very meagre specimen of
the form I described in the
last Bulletin. I hesitated
about sending it because it
did not show the characters
as well as it should, but
it is all I have at present.
Those in my collection are
smaller, the mature fruit
covers a larger number of
pinnae, the indusia are appressed
and resemble those of the
typical *A. marginata*. Sw.

I shall suggest the name

of var. Minus, This specimen
has been ^{growing} out of doors until the
present. It grew at Jamesville
Onondaga Co., N.Y. near the
habitat of *Scotopendrium*
vulgare.

I shall be pleased to hear
from you again

Respectfully
Lucien M. Underwood,

Syracuse, N.Y.
Aug. 21. 1879

Dear Sir,

Enclosed I send you
a better specimen of
my variety of *Aspidium*
marginale. I have found
several specimens no larger
than the enclosed.

This specimen was found lime-
stone ledges near Jamesville
seven miles south of this
city.

Respy

L. M. Underwood.

Abringdon, Ill.

Mar. 27, 1880.

Mr. Geo. E. Davisport,

Dear Sir: -

Will you be so kind as to furnish me a short description of *Milde's Botrychium torvale*, I do not possess the work, and it does not occur described in any books I do possess. Do you consider the figure ^{of this species} in Robinson's "Ferns in their Homes and Clens" a correct one? In what particulars does it differ from *B. lanceolatum*? I will be very grateful for ~~the answer to the above~~ questions.

Respy

L. M. Underwood.

Abingdon, Ill.

Apr. 17, 1880

Dear Sir.

I rec'd your catalogue and was very much pleased with the arrangement and have found the notes very useful.

I also received your letter containing a description of *B. torvale*, for which I am very grateful.

If you will not consider it a burden I would like to trouble you once more.

In what way does *B. truncatum* var. *lunarioides*, Mildé differ from the type? I had supposed that *B. lunarioides*, Sug as recorded in Gray's Manual

was the equivalent of *B. tenu.*
var. lunarioides but find
that Eaton makes *B. tenuis*
Swz and *B. lunarioides* Swz.
synonymous. Can you help
me in this?

I would also like to know
the character of the spores
of *B. lunaria*, *B. foecalis*,
and *B. lanceolatum*.

Yours very truly
Lucien M. Underwood.

Bloomington, Ill.
Sept. 5, 1887.

Dear Sir:-

I am grateful to you
for your kind words
of encouragement respect-
ing my work on *Fans*.
The venture and I must
call it such has proved
much more successful
than I had hoped. The
first edition is now
nearly exhausted.

I see by the August num-
ber of the *Bulletin* that
you have specimens of
Tænitis lanceolata from
Florida. Will it be possible
for me to obtain specimens

by purchase? Or will
it be possible to borrow
specimens for examina-
tion to be returned in
good condition. If so may
I hear from you?

Yours Resp'y
L. M. Underwood

ILLINOIS WESLEYAN UNIVERSITY.

Bloomington, Ill., Jan. 20 1882.

Dear Sir:-

I am desirous of obtaining the specific descriptions of Equisetum littorale Kuhl. and E. fluviatile, L (not of Smith). I presume they are found in Milde's "Monographia Equisetina" but I have not access to that work and do not feel able to purchase it at present. If you have access to that work may I trouble you again. I have the misfortune to be located away from botanical or botanical libraries.

Have you seen the new Woodzia described in January Gazette? Prof. Leammon send me two fronds without roots but I have not taken time to give them a careful examination. Yours truly
Lucien M. Underwood

ILLINOIS WESLEYAN UNIVERSITY:

Bloomington, Ill., Jan. 28 1882

Prof. C. D. Cooper.

Dear Sir:-

Many thanks for your kind reply to look at the description of Equisetum for me on Feb. 22. Possibly I may have one additional favor to ask ^{before} that time but will endeavor not to burden you beyond endurance. I send herewith the two forms of the (so called) "Woodia Plummerae". Lemmon sent them to me Dec. 10¹⁸⁷¹ and in his letter of that date says "No. 20 W. Plummerae, Lemmon. (A pair of fronds. We secured no roots) The last is a provisional name (which I hope will stand) for a form of Woodia that I have described for the Botanical Society under the above name. Notice the membranous texture, the diamond shape, the attenuated

Prinnas, and ...
Prof. ... declared it to be very
... but ... about giving
it a specific rank that others might
do so: he adds. "I have put
from his letter the feeling
hoping it will be evidence of
the form he actually describes in
the January Gazette.

I send also a copy of Leumann's
Pacific Ferns for your examination
that you may have seen it. There
only this our copy so will ask you
to return it when you are quite
through with it. You may be
surprised at the number of his varieties,
if you have not seen the pamphlet.

Your description of Mr. L's general
character quite accords with Mrs.
Underwood's description of him. She
resides in Oakland seven years
and had met him a few times.
Perhaps his "letter" character could

ILLINOIS WESLEYAN UNIVERSITY.

Bloomington, Ill., 188

be interested! from the names of some of his varieties, e.g. "amabilis".

He has been very kind to me however and I have received some valuable specimens from him. He has sent me one or two Selaginella that seem a little peculiar yet the specimens are small and my notes on that subject are limited. I have sent Dr. Torrey for Spring's "Mougeville" and hope to get some help in tracing them. You may keep the specimens as long as you need them, as I shall not send them at present myself. If I can return, in any way some of your many favors I shall be most happy to do so.

Rafinesque
C. M. Underwood.

ILLINOIS WESLEYAN UNIVERSITY.

Bloomington, Ill., 10 Feb. 1882

My Dear Sir,

Your letter was received to-day. I believe the following points are all I desire you to obtain regarding the Equiseta.

1. Specific description and distribution of E. littorale, Kuhl.
 2. Same of E. fluviatile L. not of Smith.
 3. Is E. ramosissimum, Desf. a synonym of some Amer. species or a "good" species found in America. If the latter I would like its specific description. It was placed in Mann's list but I find ~~no~~ authority. I certainly could appreciate your opportunities to visit a good botanical library. I have access to no books except those my limited means will command.
- I am unable to finish my account

of Lycopodium and Selaginella until I
obtain Spring's "Monograph" which is now
on its way from Germany. Dr. Engelmann
is helping me on Isöetes.

Another matter of advice I would like to
ask. I hardly liked your suggestion
in the Botanical Gazette (for which notice
I wish to thank you very much at this late
day) that the two glossaries should
be united in one.

I am uncertain whether to leave them
containing specific terms and entirely or
introduce the explanation after each species
e.g. after after Woodwardia angustifolia
to add (angustifolia = narrow-leaved). Of
course this would be useless for older
botanists but possibly an advantage
to amateurs. I would like a free
expression of this point.

Yours sincerely
L. M. Woodward.

My dear Friend,

Syracuse, N.Y.
June 26 1882.

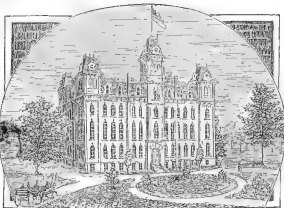
Notwithstanding our desire to
become a "subscriber" of "Our
Firms and their Allies", please accept
the copy I send as a slight token
of my regards. I regret it was
delayed so long. I had an inter-
esting as well as characteristic
letter from Lemmon recently. I will
make extracts some time. L. W. Allen

POSTAL CARD.



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

George E. Davenport,
Medford,
Mass.



—ILLINOIS—

Wesleyan University



~~Bloomington, Ill.~~

West Goshen, Conn

Aug 4 1882

Ex. Com. of Board.

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H. G. REEVES, Attorney.

18

My Dear Sir:-

Your letter after various wanderings finally reached me here and I have ordered a copy sent you from Syracuse (having none here)

I regret the delay. My home is now divided between Bloomington, Ill. (my work) Syracuse, N.Y. (my mother's home) and the present address (with my wife's relatives).

Has *Botrychium simplex* been reported from Syracuse or from Litchfield Co. Conn.? I have found it in both localities sparingly.

My stop here will be one week longer shall be in Syracuse two weeks and after that in Bloomington when I return probably for my last year? Reply I return 75 of the money sent? L. M. Underwood

214 E. Genesee St
Syracuse, N.Y.
Sept 10/83

My dear Mr. Davenport

I am sorry the ferns
have been delayed so long
but my excuse is that I have
only been back to Syracuse two
weeks and have been moving
unpacking and getting settled
ever since a condition which
I am only now just beginning
to realize. You may be sure
my promise in regard to the
ferns has not been forgotten
and only the press of other
duties has caused the delay.

I send you today by Ameri-
can Express 75 species

of Mexican Ferns which represents my entire Schaffner Collection except species of *Selaginella*, *Equisetum* and *Marsilia* which I have not included.

My attention since I received them has been so confined to the Hepatics that I have barely had time to give them more than a passing notice. As my time will be still longer employed in the same direction and any critical study of them ^{might be} will be ~~likely~~ to be delayed ^{very} you are welcome if you find anything of interest to publish such notes as you like or refer to them in any way you choose further if you should

come upon anything you have
a "longing for" you are
well come to take half of
the specimens for your own.

I have also included
3 other species you may
like to see. I would like
your opinion on the two Botry-
clia. Is "B. matricariae, Sp."
a good species? I can match
it exactly with specimens
gathered this year in ditch-fills
C. Co. and which I have
taken for a small form
of B. Ternatum. I also
enclose for you to keep a
specimen of B. lanceolatum
from West Goshen Co.
collected in August 1853.
It is the first time I have

ever found this species with-
out its congener *B. matricariae*
folium. I searched for *B. lu-*
naria in vain.

Am pleasantly located
here in Syracuse. My work
commences Sept. 20. I trust
you may be able to visit
the ferny dells of Onondaga
soon - next summer if pos-
sible - and remember that
my latch string is always
out and I am at your
service as guide.

I remember with much
pleasure my visit to Mid-
ford this summer. Please
remember me to your family.

May I also ask for a
photograph of yourself
if you have one to spare
Yours sincerely
L M Underwood

P.S. Keep the ferns as long
as you like and return
them at my expense
L M Underwood


Syracuse, N.Y.

19 Dec. 1887

My dear Mr. Davenport,

It is a long time since I have heard from you and I have many times been on the point of writing you and especially since I have been in a house of my own of inviting you to spend a week among the ferns of central New York. My summers, however, have been spent away from home considerably. The past one I spent in the South going as far as Macon, Ga. I had the pleasure of picking some ferns I had never seen before in their native haunts as Polypodium incanum, Asplenium montanum, A. parvulum, A. Bradleyi (on Lookout Mt.) etc. Last spring guided by Rev. W. M. Beauchamp of Baldwinsville (12 miles n. of Syracuse), I found a swamp full of Botrychium simplex. I enclose a few plants of it as

you may not have it from that station. Woodzia
flourensii is abundant in the southern part
of our county (found also first by Rev. B.) I can
send you this if you desire from this new station.
I want to ask your opinion on three ferns
about which I am in doubt as to the
propriety of introducing in a new edition
of my fern book which Holt & Co. of New
York will issue in the Spring.

1. Has Cheilanthes villosa Dav. ever appeared
again. What would you prefer in regard to
my noticing it as a distinct species?
2. What of Pellaea cordata Sm.? The specⁿ
I have from Lemmon differs from flexuosa
simply in its straight rachises! You
may remember the "P. cordata Fee" of my
set of Schaffner's Mexican ferns which
had pinnae truly cordate  and
fully as wide as long. This has the rachises
slightly flexuose.
3. Have Lemmon's specimens distributed
as Aspidium Karwinskianum been identified
with that species yet?
- 4 Are there any additions to your list

except Cheilanthes Pringlei and Phegopteris tetragona?

5. To what section of Cheilanthes does C. Pringlei belong? I have never seen specimens of this.

6. Is Gymnogramme Eberbergiana Klotzsch still the oldest name of the ever shifting pedata of the early check lists?

I fear you will think I am overwhelming you with questions so I will cease.

I am anxious to get hold of more Mexican ferns as well as to complete my suites of American species. My work has been taking me away from plants very much of late years but I am fully resolved to let plant work be first and foremost hereafter.

I have the photo. of yourself in the Medford Dells ~~and~~ on my mantel and it often reminds me of the pleasant visit I had at your home in '83. Can

you not arrange to spend a week with
me next June? I can take you to
where B. lunaria grows, to the haunts
of Scelopendruin, of B. simplex and
Pellaea gracilis, and will have a
glorious time. I have a partly formed
plan of taking a trip to California
in July and August but it is yet
indefinite. If by any means you
can arrange to come I shall
be very glad to welcome you.

Hoping to hear from you soon
I am
Yours sincerely,
Lucas M. Underwood.

Is Mr. Pringle at home now? What
has become of Lemmon?

Syracuse, N.Y.
9 Jan 1884

My dear Mr. Deavenport.

I am very grateful for your assistance offered in your last two letters and for the *Journal* *Chil. Pringlei* which I have now seen. I shall try and purchase a set of Mr. Pringle's Mexican ferns. I have just rec'd a set of Hooker's "British" ferns from Prof. Eaton. He also elucidated the synonymy of *Aspid. patulum* Swz. which takes the place of *Mexicanum* Hooker described much later. These determinations were by Baker and published in *Journal of Botany* (I think) in 1876 on the nomenclature of some Brazilian ferns.

I need not have troubled you
in reference to Chil. villosa
~~rather~~ Pellaea intermedia and Neph-
acuta as I found your notes
later in the Tring 'Bulletin' etc.

Nothing would please me better
than a visit from you next
week

Yours truly,
L. M. Hudson.

Syracuse N.Y.

14 Jan. 1886.

My dear Mr. Davenport,

Would I impose on your
curiosity too much to ask for
a loan of a genuine specimen
of N. thoburni candida from Texas
if you have one loose? I
sent to Reichenow but he could
furnish neither this nor Chil.
aspra. Judging from my own
specimens from California collected
by Cleveland and Parshel it is all
right to refer these to N. certana
without admitting a new species.
The principal discrepancy is in the
height but we well know this
is not a sufficient reason for es-
tablishing new species.

I am sorry to trouble you

further with my wants but still
I have a clear image I think of
the two species. I should feel
more at rest to see them side
by side for comparison.

Prof. Eaton describes N. Californica
with the stalks as "black" and
the rachis as "blackened," while
in all mine they are dark brown.

I have written Mr. Bingle and shall
buy a set of his Mexican ferns
if possible. I have just bought
a set of Fendler's "Maiden" ferns.
My set of Safford's Mexican ferns
seems to be the largest in the
country that of the Gray herbarium
(according to Prof. Eaton) containing
only 41 species while I have 50.
Again thanking you for all
your kindness, I am,

Yours truly,
Lucius J. Underhill

Syracuse, N.Y.

JAN 19 1845

My dear Mr. Drumport,

You are too kind to
me. Of course I want to
have the latest conclusions rep-
resented in my book and if you
decide to separate var. fitzingeri
as a species I should be glad
to put it in so. From the descrip-
tion already given I should think
it must have sufficient characters
of its own to give it rank.

If you do decide this and can add
anything to what you have al-
ready given I should be pleased
to know it as soon as possible.
The subs. are pushing the book 48 pp. having
already gone to the ~~electro~~ stereotype
I have sent for a set of Pringle's Mexicains

He wrote me a very nice letter
and will send me some mosses etc
that I greatly desire. somehow I
had never had any correspondence
with him before.

Yours sincerely
L. M. Underwood

Syracuse, N.Y.

29 Jan 1888

My dear Mr. Dawson,

Please accept my sincere thanks for the unexpected gift of *N. candida* and *N. crotacea*. The proof of Cheilanthes has just come and I shall change fibrillosa to a species as you suggest. I have no Myriopteris cheilophylla among my Mexican plants. I am sorry to say. I hope ere long to work over his Cheilanthes which are numerous.

I have just received "Beiträge zur Systematik der Ophioglossen" by Dr. K. Prantl published in the Jahrbuch des Königl. Bot. Gartens, Berlin 1884. pp. 297-350, 2 plates.

In this he raises the no. of species of Ophioglossum from 10 as given in "Synopsis Filicum" to 29! of which 7 are "nov. sp."

Of these *O. californicum* Griseb. is found on Cleveland's San Diego specimens and *O. Engelmannii* Griseb. is found on Lindheimer's Texas specimens collected in 1849-50.

O. medicinale is replaced by

O. Texense a Mex. name of *Mitlenneris* III and *O. palmatum*

is not reported as belonging to our flora (i.e. U.S.A.) at all!

He gives a brief summary of *Bryopsis* also. *B. Tetanaria* is

made into four species viz:-

- 3. *Tetanaria* Griseb.
- 4. *arabifolia* Griseb. Cal. Mex
- 5. *californica* Griseb.
- 6. *oblongum* Griseb.
- 7. *linearifolia* Griseb.

The last will give an idea of his treatment in classification. I shall make his determination a careful study and shall endeavor to cut his species (in our limits) down to a more

real condition if the case seems to need it. Yours sincerely
L. M. Johnston.

Syracuse, N.Y.

24 Feb. 1844.

My dear Mr. Davenport.

I was very glad to see Isoetes
Suksdorfii. As soon as I learned of
it in Baker's "Fern Allies" I wrote to
Suksdorf not knowing of the calamity
that had befallen him and long won-
dered why I did not hear from him.
I shall describe two species in a forth
coming number of the Bot. Gazette. (1)
I. maritima from a salt marsh in Van-
couver's Island sent by Macoun with I. Mat-
tallii and two forms which I have re-
ferred to I. echinospora with some
doubt, and (2) I. Mexicana which Mr.
Pringle sent me (No. 1447). These are in
both cases the first species that have
been reported from their respective
localities and represent peculiar
additions to our flora.

In regard to the new species(?) of Ophioglossum
I could see no better way after
failing to find material characters

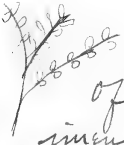
expressed in the prescriptions to relay
the one to O. megatum and the other
to O. medicinale.

If you would like I will send
the copy of Smith's paper to you. I will
be in Boston for a very brief visit
in April and will make you a
call. I am sincerely
Yours
J. M. Hubbard.

Syracuse NY
18 Jan. 1889.

My dear Mr. Drumport.

Mr. Pringle's elegant ferns from Mexico have arrived and I am delighted with them. His No. 1889 reminds me of a circumstance I noted in Cal. respecting their form of Adiantum pedatum.

Instead of growing like ours it is tufted and I saw bunches frequently with 20 or more stalks rising from a single short rootstock. I found that the smaller specimens often branch like the rude figure  and then take the local name of "three fingers". If rooted specimens would be of any use to you I think I have some. I put up a large suite in my own collection

I saw Lemmon and his wife, Dr.
Parry and his wife and
Prof. Greene and had a good
time generally.

I was in Cal. with my fam-
ily from 15 June to 20 Aug.
and took a flying business
trip to ~~San Francisco~~ ^{San Francisco} returning
only ~~last~~ ^{this} week. I have in
hand the revision of the Hepat-
itae for Gray's Manual and
have any amount of work
on hand.

Yours sincerely
L. M. Underwood

Syracuse, N.Y.

3 Feb. 1889

My dear Mr. Davenport.

I sent you a package of Adiantum from California. Finding my loose material scarce I have sent you all I had from my herbarium. The tufted fronds seem quite unlike what I have noticed here though in most other features the fronds are like ours.

I would like the mounted specimens returned for which I enclose stamps.

Yours very truly

L. M. Underwood

4 Sacramento Place
Cambridge Mass
11 Oct. 1890

Dear Mr. Davenport

I shall be very
pleased to accept your
kind invitation to visit you
on Sunday the 18th if pleasant.

I suppose I come out on
the Boston & Maine do I not?

Do I come to Medford station
or is there another nearer
your home?

I have not had time to
look up my fern at the gardens
but will try and do so
this week.

Yours
L. M. Woodward

Columbia University in the City of New York

Department of Botany

MY DEAR MR. DAVENPORT,

THANKS FOR THE SPECIMEN OF THE CRESTED FORM OF ASPLENIUM
PLATYNEURON WHICH YOU SENT. YOU MAY BE INTERESTED TO KNOW THAT ONE OF
OUR BOYS ^{has brought in} FOUND WHAT IS APPARENTLY THE SAME THING AND LIKE YOURS STER-
ILE WHICH HE FOUND SEVERAL YEARS AGO IN NEW JERSEY. LIKE THE SO CALLED
VAR. CAMBRIUM OF POLYPODIUM VULGARE AND ANY NUMBER OF OTHERS INCLUDING
CRESTED FORMS AND FORKED LEAVES IT SEEMS TO ME A USELESS LUMBERING OF
LITERATURE TO PUBLISH THEM UNDER NAMES. THEY ARE MERE SPORTS AND IT
IS A BELITTLENG OF SCIENTIFIC LITERATURE TO NAME THEM AS VARIETIES. I
WAS ASTOUNDED TO SEE THAT SO ACCURATE A BOTANIST AS DR. ROBINSON
HAS GONE INTO THE PUERILE OCCUPATION OF DESCRIBING FORMAE.--- THERE IS
REALLY TOO MUCH SERIOUS WORK IN BOTANY TO DABBLE IN SUCH CHILD PLAY.

Columbia University in the City of New York

Department of Botany

IF YOU THOUGHT THAT I WROTE THAT ARTICLE FOR THE PURPOSE OF CONVINCING
YOU OF THE ERROR OF YOUR WAYS YOU ARE ENTIRELY MISTAKEN. I GAVE YOU
UP LONG AGO AND WE CAN I THINK AGREE PERSONALLY TO DISAGREE. I SUPPOSE
YOU WILL CITE CHRIST AGAIN ON ME ~~IN~~ IN YOUR NEXT—BUT I SHALL SHOW UP
THE GENTLEMAN IN A VERY DISAGREEABLE LIGHT IN VIEW OF SOME OF HIS WORTH-
LESS PUBLICATIONS. I REGARD HIM LESS OF AN "AUTHORITY" ON FERNS THAN
YOU DO POOR EATON (A.A.) AND I PRESUME YOUR OPINION OF HIM IS ABOUT
THE USUAL ONE. IT HAS HOWEVER BEEN YOUR POSITION TO ~~HOLD~~ ^{however} HOLD A CHIP ON
YOUR SHOULDER AGAINST ANY ONE WHO DESCRIBED AMERICAN SPECIES OF FERNS
OR RECLAIMED OLDER ONES THAT HAD BEEN INCORRECTLY REDUCED TO SYNONYMS.
IN THIS YOU WILL FOLLOW THE PRINCIPLES LONG FOLLOWED BY HOOKER AND BAK-
ER AT KEW

C. 2

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Department of Botany

WHO SYSTEMATICALLY REDUCED THE SPECIES OF THE ACCURATE CONTINENTAL PEOPLE LIKE KUNZE, KLOTSCH, PRESL, AND FEE WHO WITH FACILITIES LESS COMPLETE WERE IN MY JUDGMENT AND WILL STAND IN THE JUDGMENT OF ALL CRITICAL FERN STUDENTS SUPERIOR TO EITHER HOOKER OR HIS WEAK FOLLOWER AT KEW. YOU PITCHED INTO POOR JENMAN BECAUSE OF HIS ACROSTICHUM LOMARIOIDES AND GILBERT WHO TOOK IT UP, ALTHO THE SPECIES IS AS GOOD A ONE AS WAS EVER PUBLISHED. YOU HAVE PITCHED INTO POOR EATON AND MRS. BRITTON AND IN SHORT STAND READY IN ABOUT THE SAME ATTITUDE. DR. GRAY ALWAYS TOOK TO THOSE OF HIS COUNTRYMEN WHO DARED TO PUBLISH SPECIES WITHOUT SENDING THEM TO HIM. AS I SAY I GAVE YOU UP FOR HOPELESS LONG AGO, BUT BECAUSE I REGARDED YOUR INFLUENCE AS MISLEADING TO THOSE WHO

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HAVE NOT THE MEANS OF JUDGING THE FACTS ^{True} ~~BY~~ A GARBLED PREJUDGMENT SUCH AS YOU HAVE PUBLISHED IN RHODORA AND ELSEWHERE ~~THIS~~ I FELT THAT IT WAS DUE TO THEM THAT THE FACTS BE PRESENTED THEM. IF YOU ENTER THE TOURNAMENT FOR A FREE FIGHT IT IS THE PART OF A HERO NOT TO SQUEAL IF YOU GET HIT , ESPECIALLY IF YOU START THE FIGHT YOURSELF.

BUT ASIDE FROM ALL THIS, PLEASE DO NOT THINK I DISREGARD YOUR FRIENDSHIP WHICH HAS BEEN A PLEASANT FEATURE OF MY TWENTY FIVE OR MORE YEARS OF STUDY. I HOPE YOU CAN SOMETIME SPEND SOME TIME AT THE COLLECTIONS HERE AS WE ARE GETTING TOGETHER AN ENORMOUS AMOUNT OF MATERIAL.

YOURS VERY TRULY,

L. M. Underwood.

X to copy
Wm!

Syracuse, N.Y.

20 July 1891

My dear Mr. Davenport,

I have hardly time for more than a brief note.

Pringle's No. 1444 I have and I think you are safe in calling it new.

No 2830 is not in my collection.

I think I have *Noth Nealligi* under the name *Aleuritoptus* ^{Fournier} *Schaffneri*, coll. Sanduis Potosi by Schaffner. As soon as I can get Fournier's description I will look the matter up carefully.

Enclosed find 45 and many thanks for your kindness
In haste L. M. Underwood

Newcastle, Ind.

14 March 1892

My dear Mr. Davenport.

I was very glad to read your letter and very sorry to learn of so much sickness in your family. I was already aware of Dr. Watson's death. The last Cambridge link I saw Dr. Gray is gone. The outlook for systematic work at Cambridge is indeed hard. It is not all in the hands of Columbia and California however. Rose and Washington, Coulter here and Tolson in St. Louis are all good strong men and are all well-equipped for work.

I rec'd your interesting notes on Pringle's ferns. Schimper has acknowledged them.

I am disgusted with the way
Sargant put them in as though
he was the author and had
merely asked Mr. Darwupport to do
a little supervision for him!
He says to expect ^{and plates} a wide
scientific circulation than they
will get in that publication.

Of course I know where Chil-
anthus Boudryi and Asplenium
plepharodes were published and
since they appeared in the Check-
list I did not know and they
had turned up within the limits
of the.

May I trouble you to send
me the names for Figures 11
figures with numbers. single
send me the specimens and
I would like the names because
I am expecting a package of
40 or 50 ferns from Cojaba to

name, and would like all the rest of
his collection and more.

Thanking you for all your kindness
I am yours in haste

L. M. Woodward.

Dr. Charles Moore, Dauphin St.
Mobile, Ala. wants a ^{single} specimen
of Ophroglossum nudicaule for
comparison with some material
he collected in Alabama in 1860.
He has only two or three more specimens
as it has not turned up since.
My specimens are all gummed I wish
to have you a loose specimen? I
doubt I could do it if you
could send him one it would
be a great accommodation to
me.

1 1892
My dear MrDavenport,

I have heard nothing from you in along time.

Much has happened in the botanical world lately and I have had quite a good deal of experience myself. Coulter's editorial in the Sept. Gazette expresses the true spirit of the Rochester meeting which was indeed an event of a lifetime. It was plain to see that the centre of botanical thought and force, like that of population, has moved westward and that with the loss of two leaders in botany, Cambridge was no longer a ruling spirit in phanerogamic botany, and notwithstanding the assumptions of a few connected with the museum, the new men from the cryptogamic laboratories throughout the country, are leaving Cambridge out in the cold in cryptogamic botany too. My trip to Genoa was full of interest. In addition to the novelty (to me) of a trip across the sea I had exceptional advantages for meeting representative botanists from all countries. An account of the trip will appear in the next Gazette and an account of the action on nomenclature in the Torrey Bulletin for Nov.

At Paris I saw M. Baillon and with his guidance was able to rescue the types of Fournier's Mexican ferns from the obscurity of an attic in the herbarium. They are not distributed in the general herbarium but were with Schaffner's original bundles in the "Mexican room". After searching through several large bundles of Schaffner's plants, grasses and other flowering plants, unmounted and in their original papers-- I found Fournier's ferns scattered along here and there with other things and all named in Fournier's own labels. Aleuritopteris Schaffneri was among them and is exactly like mine. So we are all right on Seaton's species.

I shall have a paper on ~~the~~ Fournier's other species as soon as I can get the time. I have a frond of A. Schaffneri ~~XX~~ from the type.

Baker was not at Kew, but I saw Hemsley and others, and went through all the fern-allies and many groups of our ferns, notably ^{Nottholame,} Cheilanthes, Pellaea, Woodsia etc. It makes me tired to see Baker's disposition of ~~XX~~ some of our species. We have deferred altogether too much to Kew in ~~XX~~ regard to our own plants!!! Your collection or mine contain a vastly better representation of our species than they have there. And if their

collection represents in its arrangement Baker's ideas as it is supposed to do, my opinion of his estimation of types or plain characters must be lowered about 80 per cent! For example, he recognizes Eaton's *Notholaena Californica* as a valid species, while an original specimen of Liebman's *N. cretacea* is put in the cover of *N. candida* together with ~~X~~ several other Mexican and Californian specimens of *N. cretacea*!!! In spite of your long letter to B. which is preserved in the Herbarium, together with your specimens, he still keeps in one cover *Pellaea flexuosa*, *P. cordifolia*, *P. intermedia* and one or two other species which can easily be ~~X~~ sorted out in his own herbarium when rooted specimens are present and ~~X~~ this can in most cases be done where the roots are wanting!! Have you seen Baker's "New Ferns" and his remarkable disposition of *Aleuritopteris Schaffneri*? With Fournier's types at Paris so near to Kew there is no excuse for such a stupid blunder as to refer it to *Cheilanthes farinosa*, especially when he had the Var. *Mexicana* of the species under cover of *Noth. Grayi*!!!! (Parry & Palmer No. ---F). I am going to touch up the English spirit a little when I get a good chance. I feel

more proud than ever of our American botanists after seeing the English,

I could go on for an hour on ferns but I have not the time and you ~~X~~ are probably tired already. I enclose one of the sheets of the Rochester action, which you may not have seen in its original form. You must plan to go to Madison next August as we shall have an International ~~XX~~ Congress there to complete the work commenced at Genoa.

Did I ever send you the var. of *Polypodium vulgare* from Conn.? I have more now and can supply a few of my friends.

With regards to all your family, I am,

Yours sincerely,

Lucien M. Underwood

Greencastle, Ind., 23 - 10 - 1892.

My dear Mr. Davenport,

As Coulter was to be here for a lecture, I waited to answer your point in the light of his opinion. He fully agrees with me that the case of N. Schaffneri is entirely covered by "VI (2)" of the Rochester platform. It will be some little time before I can get at Fournier's ferns but I will note this one at that time.

I have not heard anything of Pringle since you have. He sent me his picture and said that he wanted me to come down with him in Dec. to collect the lower Cryptogams. Coulter told me that there had been a Revolution in Lower Chihua and said that he understood that P. was collecting in that region. It may, however, have only had the effect to impede the mails.

Sincerely,

L. M. Underwood

Greencastle, Ind., 6 Nov. 1892.

My dear Mr. Davenport,

You will pardon this printed letter, I know when I ~~ask~~ tell you that I have adopted the type-writer only because it had become a physical necessity. My correspondence has grown so heavy that I could not keep up with it otherwise. Just at this time I am in an especial Strait, for my trip to Europe put me behind in my work and it will take me until Xmas to get caught up. Rose is entirely mistaken. I know of no other botanist who would hesitate to take your position. There are numerous cases where a writer adopts a manuscript, herbarium or "in litt." name and gives the credit to the one who first suggested it. It will be 1893 before I take up Fournier's ferns but will call attention to the matter then if you desire. I will try too and return to my pen ^{for your sake in my letter to you} altho I have been obliged to hurry it so in time past that I fear my friends will all rejoice that legibility has taken the place of uncertainty in laying it aside. Yours sincerely,

L. M. Underwood.

Greencastle, Ind., 20 Nov. 1892.

2

Dear Mr. Davenport,

In your distribution of ferns (Amer. Phil. Soc.) you report *Asplenium trichomanes* and *Ophioglossum crotalophoroides* from Texas. On whose authority? And have you Texan specimens of either in your herb.? Coulter has just asked me to prepare the Pteridophytes for his Texas flora and I find no record of these two from Texas.

Yours sincerely,

Lucius M. Hudnord

Greencastle, Ind.
21 Dec., 1892.
(Dic.)

GREENCASTLE, INDIANA, March 20 1893

Dear Mr. Davenport,

I am delighted to know that R. Br. wrote *Notholaena* as I have always liked that form of the name and this settles it. Good so far. I now fear that *Aspidium* will have to be replaced by Adanson's *Dryopteris* which antedates it by many years. Dr. Trelease is now looking up one or two points for me at St. Louis. It will be too bad if this old name has to go. I object to making changes, but as long as the Rochester platform is likely to be adopted not only at large in America but in Germany as well to say nothing of other countries we will have no alternative so far as I see. It seems that Dr. Gray took up *Dryopteris* in one of his editions so some of the species will be credited to him. Mr. Deane is looking up some of these for me. I see no help for *Cheilanthes lanuginosa*, *Woodwardia angustifolia* or *Phegopteris polypodioides*. I hope that the form *Gymnogramme* will stand for I like that best.

I shall be greatly pleased to get your new fern from Mass. I am curious to know what genus it is in. It makes three new to my last edition. *Asplenium fontanum* reported by Porter is all right and I have seen the Springfield, Ohio forms. I have also *A. montanum* from Cuyahoga Falls, Ohio which is a new extension of range for that plant. We will get them all in before long I hope. I hope to be able to send my corrections in about two weeks and shall be under new obligations to you for the new description to enter with the rest.

As ever but in great haste,

E. M. Underwood

Auburn, Ala., 13 Jan. 1895.

My dear friend,

Please pardon my delay in answering your letter. The Isoetes are probably the same Isoetes Engelmanni — at least the one sent in some quantity — the others are scarcely sufficient to make even a guess.

Now I am going to cross swords in a friendly way with you on the Dryopteris question. You say that Swartz was making genera and was the first to recognize them. I presume for ferns this was true but in that case why keep up the Linnæan genera. He certainly did not know an *Aesochelium* from an *Asplenium* or scarcely anything else. Shall we cancel his genera because he was not a fern specialist! Logically I say we must if we do those of men who lived after him. His Hepatic genera are even more of a jumble. One good hepatic genus he put among the mosses and two of his mosses he put in the genus *Jungermania*! Why should we conserve the work of this ancient butcher any more than of others who followed him even tho' they did a little better than he.

2) Now this Adanson certainly did something that was worthy of recognition. He reinstated Polygonatum and Nelumbo which Linnaeus had discarded from among the Tournefortian genera! Even Gray's manual recognizes the validity of this work of his. Then what will you say to these generic names accepted in the sixth edition of Gray's manual that rest on just the same authority that I use in accepting Dryopteris! Adanson's Fam. Plantarum.

Jalium Adanson 2:245-

Buda Adanson 2:507

Aemilia Adanson 2:365-

Foeniculum Adanson 2:101

Arctostaphylos Adanson 2: ~~503~~ 165-

Sabbatia Adanson 2:503

Borrichia Adanson 2:130

To which we must add Nelumbos and Polygonatum if we start with 1753 as a beginning: are not these good genera. (Except ^{Buda} of course). It would be just as reasonable to me to change these names for some that some later Botanist who better understood the limits of genera should give to them as to maintain that Dryopteris should not be established on the ground of priority. Dr. Gray himself saw the justice of this and early accepted Dryopteris. I see no reason for his return except the usage at Kew and that we both know is far from ^{generally} accepted even by Englishmen to say nothing of continental usage!

3) *Dryopteris* was established in *Danson Jan Pl. 2: 20, 1763*
and has just as valid ground to stand on as *Aspidium*
or *Polystichum* or *Asimina*! It is true that not
all the species were placed in the genus, ^{by Adanson} neither
did Swartz place all in his genus *Aspidium*.
But such arguments are never to be used for
the genera early formed for they all were meaningfully
characterized and were often heterogeneous medleys.

There is no reason for accepting *Aspidium* except the
senseless Berlin suggestion of a fifty year limit and
even this would hold water in this instance for
Dr. Gray took up *Dryopteris* in 1848!

There is a good discussion of some of the Berlin move-
ments in the last two numbers of the *Amer. Naturalist*
by Roscoe Pound that I wish you would read. I also
enclose one by Greene that to me does not sound
much like the "voice of a J—". This I would
like to have returned as I have no other copy.

Now my dear friend I want you to come to Buffalo
to the next meeting of the American Assoc. in August and
have some of the Boston men like Raul who have
never stirred out of New England come on too and have
a free discussion of the situation and have something
to propose to an International Congress whenever one meets.
Now that whatever Europe thinks of America the voice of America
will have some weight. I went to Geneva single handed and urged
1753 as an initial date. Ascherson and Prantl and the other Germans

4) were there in force and to-day all the botanical world except Kew and Cambridge accept 1753 as the initial date! And there are five centers at least in America today that are doing more botanical work than is being done at Cambridge!

It will do you good to get out and meet the men who are now at work in American botany, there will surely be a large botanical force there and I know that such a meeting will be a source of pleasure to you.

But I must stop. The best of wishes to you and yours. By the way in Fink's Mexican things there is an *Asplenium* (*Asplenium*) *Finkii* Baker. Do you know of such a species? I cannot find it. Did you ever think of the positive absurdity of Baker's genera. To associate e.g. *Asplenium Ceterach* with that big pinnate thing from the West Indies as coarse as *Desmarestium aurum* in the same subgenus! And to associate such plants as *Gymnogramme triangularis* and *G. javanica*, and then to put with them some species of *Phegopteris* and *Polypodium* with elongate sori for example *Gym. totta*! Bah! it makes me weary at such absurdities!

Good night.

L. M. Underwood.

Auburn, Ala., 6 Nov. 1895

My Dear Mr. Davenport,

Has it ever occurred to you that *Aspidium Nevadense* and *Preopteris* are very close to each other? I noted this in revising my Fern book for 5th Edition soon to be issued. I had to condense several descriptions in order to introduce your new species ^{and this led me to review and condense} ~~and~~ ^{also} I am inclined to regard the Californian *Notholaena* which Eaton described as *N. Californica* as distinct from *N. crotacea* Liebmans. but shall not disturb them in this edition I have another species of *Equisetum*, *E. Mexicana* with which Baker unites ~~them~~ ^{it} as well as *E. robustum* with which it has hitherto been confused. ^{American} *Equisetum* are sadly in need

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of a thorough review.

What has become of Pringle? Do he as how now? I have received no ferns from him in two years. Has he collected none. If so I would like lists of what he has send you in last year's collection and that of present season if in.

I was very glad to see your notice of Proff. Eaton. He is one of the few botanists ^{of America} whom I never had the privilege to meet. He rarely met with other botanists.

Have you ever thought that the men who are largely opposing the principle of stability in nomenclature are to a very great extent men who do not meet with and exchange views with other botanical workers. Dr. Robinson is of course an exception but of course there is a financial element in ^{Harvard's} ~~the~~ opposition to change resulting from Harvard's ownership of

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Dr. Gray's Manual and other works from which I suppose a considerable number is derived.

I am very sorry to see the spirit of bitterness and personality rising latterly especially in a private article that appeared from Washington during the summer.

Some features of the Harvard manifesto that appeared last spring strike me as very irrational. Especially so is the plan of using the new principles for Cryptogams up to ferns and then changing back to the old systems for ferns and flowering plants! I suppose that working as I am in both groups the absurdity strikes me more forcibly than as tho I was all on one side of the line. I think that Ward's article in the August Bulletin the best that has appeared on the whole subject.

I neglected to say at the start that Prof Eaton's name Nevadense is a homonym and in accordance with the Rochester rules untenable. In view of its doubtful standing as

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a species. I shall not mention it at present. I would especially like your opinion on the two species. I have not a very good noted specimen of Nevadaensis and have never seen it growing. I saw Oropterus last Sept. in the Isle of Man but not a very good representative, however.

I had a very pleasant trip to Europe this summer. Had the pleasure of meeting Mr. Baker at Kew. I am much impressed with him as a man but surely do not like the way he lumps things together that he does not understand. I think I told you that he had ^{specimens of} Noth. Schefferi under three species and ~~two~~ genera in the Kew collection.

I am glad for some reasons to be here in the Southland. I am hoping to visit the home of Trichomanes Peterii in Dec. and also Havana place where such quantities of Aspl. Epanoids were found. Cheilanthes lanosa (vestita) is common here and very elegant specimens.

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Will send you anything you would like in
these lines. ~~etc~~

I am hoping also to clear up the mystery
of *Aspid. Ludovicianus* of Kuntze. I have
never been satisfied to let it drop into oblivion.
The climate here would do you good. I
wish you could arrange to spend
a winter in the South. I believe it
would do you good.

Well, I have imposed a long letter
on you for me and hope to hear
from you in answer soon. Please extend
regards to your family from one who
has been the recipient of many favors from you.

Yours sincerely
L. M. Underwood.

P.S. You spoke once of having a considerable lot of exotic
forms stowed away in your attic. Would you care to sell
this collection? If so, please let me know what
countries especially are represented, the ^{general} character of the
specimens and about how many. L. M. U.

Auburn, Ala., 15th Dec. 1895.

My dear Mr. Davenport,

Your long letter was read a long time ago and read with interest.

We shall have to "agree to disagree" on the *Aspidium* question. There is possibly no need of discussion here but you cannot doubt that *Dryopteris* has priority by a number of years and that to me is the end of it for if we are to have fixity we must go back to a beginning. The men who are opposing the modern principles of nomenclature in America are largely made up of three classes. (1) Men who are connected with an institution whose policy it is to retain the system in vogue at Kew and followed at Cambridge. (2) Men whose intense admiration for Dr. Gray causes them to feel that the present movement is directed against him personally while it is only directed against his policy. Such were Eaton and Redfield tho both belong to the next class to a considerable extent. (3) Men who are not connected ~~with~~ with other botanists in any way, who never mingle among them, who know nothing of the spirit and aims of the recent movements in any personal way. Who never attend the meetings of botanists and in many instances are not acquainted with them except in correspondence.

I might add a fourth class of those who are indifferent to the subject of change because their work is physiological or economic or in no way connected with plant names. In such repose is better than activity on general

2) Principles.

My friends, I think you do an injustice to both Britton and Greene. I know them both and I believe I know them thoroughly and the word there is to them. And I know too their bad sides and I while I do not approve of all they do or have done I could say the same of everyone.

It is natural that you should think there was only one side to Dr. Gray. It grieved me to the heart to learn that there was another side. But to leave out of question the relation of Dr. Gray to men now living if you will take occasion to get together the facts relating to the relations of Dr. Gray to Alphonso Wood or to S. B. Buckley both of whom are now dead you will get hold of a new Chapter.

I know Dr. Gray's relation to Greene and I know that Greene ~~has~~ was more patient and long suffering under his treatment than I could have been. I know that Greene had the right of the matter on his side, and his ability to discriminate plants made him more of a cause for irritation to Dr. Gray who aspired to hold all phanerozoic botany in his hands.
Otherwise why did he always hedge in every

3/ avowal of independent work done away from
the Harvard Herb.?

Dr. Gray was kindly beyond measure as I can
well testify from my personal relations which
were always of the most pleasant nature. But
you will know that had you or I attempted
to monograph a genus of flowering plants, we
would have been discouraged from the
start. You know that Dr. Gray never encouraged
that sort of thing and that from 1837-1872
while he was ^{active} professor of Botany not a single
man was encouraged to work systematically
on the N. A. Flora from among all his stu-
dents, and that men who worked outside
did not get encouraged. Witness the cases
of two now dead cited above.

But I must not dwell on these points for
I would not have you robbed of any of the
reverence you have for Dr. Gray and yet the
fact that you knew Dr. Gray from his bad side
alone and know Greene from his worst or
I had better say, from those who ~~see~~ only his
worst, — you have not been able to do full

4) justice & either from the nature of your evidence.

Dr. Britton was under no obligation to publish that last letter of Dr. Gray. I do not think Dr. Gray in his calm mood would have expected that he would ~~have~~ publish it. It was written in haste and had to be Dr. Gray seen a proof of it I do not think he would have wanted it published as written. I have myself seen just such criticisms by Dr. Gray both in the original proof as written by him and as they appeared when critically examined and corrected and they were very different in tone.

Greene is a very superior man intellectually and I admire him in many ways. Britton is a hustler and turns out a large amount of work. Both have made mistakes. Who is there who has not? If you knew the facts that I do and knew them from Dr. Gray's letters ^{as I do} themselves, your spirit of fairness would look at this matter just as I look at it. It was not a case of a "Jackass kicking a dead lion" or anything that approximated. The facts were that Greene knew what he was talking about when he wrote of the plants of the West for he knew them as fields

I and that knowledge was not based solely on the study of fragmentary material in a herbarium — always unsatisfactory unless accompanied by a study of the plants' habits.

I have written thus freely because you led the way; I would rather talk to you for an hour; I would not wound your feelings in any way but I feel that it is best to know a man from all his sides before we can judge of his true character or standing.

The principles at Rochester were adopted as a compromise of men who felt that there was need of a stable basis. I never saw a more harmonious meeting of men. The elements of the subject were gone over in a room containing representative workers in all fields of botany — the best there are in the land the meeting was ^{from} all sections. All believed heartily in the fundamental principle of priority. The point and the only one where compromise was necessary, was in regard to the starting point for genera. Some wanted 1735 some 1737 some 1752 some 1753. For myself I believed then and for that matter believe now that the eternal

b) right of the matter would have been to commence each genus with the man who started it be it before ~~the~~ Linnæus or after him. I believe for example that by right of priority Marsilea belongs to a liverwort and not to a fern ally! For Micheli with keen discrimination established a number of hepatic and other genera in 1729 and among them this one. Linnæus adopted the name in 1735, ^{for the liverwort,} and changed it only in 1753. I believe that Micheli's name ought to be respected. Still I voted for 1753 because we all saw that the adoption of that date made less change than the adoption of any other. I went to Geneva and the Germans and Italians there, ^{many} who had learned to 1752 saw the advantage of 1753 and outside of Kew and Cambridge, 1753 is adopted everywhere now as a starting point by working botanists. The English are backward in any reform. They hold to their old £. s. d. - the most outrageous and inconvinient monetary system, ^{ever used} with a death grip after all the other nations have adopted a decimal system. They are the only country in which the metric system has no hold. They are opposed to any change and in botanical terminology go haphazard. Look at

7) The terminology of the *Empoia filicin* as a sample.
Besides clumping things in a most provoking way, the nomenclature has apparently no definite basis or starting point. So long as all systematic botany was the idea of one man such a system would work but when as now there are a half dozen centres for systematic work, ^{in America} instead of one there must be some system that is uniform and based on principle not change; continued according to a system not by any notion that happens to be in the mind at the time.

People, at least some, say that Britton is anxious to get his name attached to some plant, and that is why he favors change! Could not the same be said of Dr. Gray who never in his changes recognized the original of the ^{specific} name by the use of a parenthesis? Look at this case among many:-

- { *Brevortia Idamaia* Wood 1869
- { *Brodiaea coccinea* Gray 1870
- { *Brevortia coccinea* Watson 1875

Wood named the plant after the daughter of a stage driver who brought it to him in the Nevada mountains and founded the genus. Gray cancelled the genus as unnecessary and thought that at the same time he would cancel the "objectional" ~~name~~ specific name because it was a compound! and wrote for the same plant *Brodiaea*

8) *Coccinea* Gray. Did any body ever question his motives and are they not as apparent and could they not furnish the basis of just as valid a criticism as anything that Greene or Britton has ever done in the way of change?

Did any one ever think of cancelling *Polygonum Hartwrightii* Gray ^{(named after S. Hart (Wright))} on the basis of its being an "objectionable" compound name? Or the genus *Carlo-wrightia* Gray for a similar reason?

Dr. Watson in revising the *Liliaceae* later saw the justice of Wood's genus and why did he not follow the principle of "the first name under the genus" ~~was~~ ^{claims} to be in vogue at Cambridge and write *Borvoortia Ida-maia* Wood. No he wrote *Borvoortia coccinea* Watson. Did any one accuse him of having the "mipi itch"? But Dr. Watson once said ^{to me} that ~~there~~ there was no question of right involved in plant naming. The above would seem to carry out this idea!

Prof. Ward's address is U.S. Nat. Museum, Washington. It seems to me that his paper punctures all of the points of the "Hamm" protest and exposes them to ridicule. How absurd for instance to admit the the new system of rules will be used to adopt for the lower plants and not for the higher. If the protest had stated the fact squarely and frankly I think it

9) would have been about this:

"We the authorities of Harvard, holding the copyrights of Dr. Gray's publications dislike to introduce any change in nomenclature into the higher plants because it will either subject us to much expense in changing the books or will draw off from our profits if we ~~do~~ not do this, therefore etc." Do I misjudge the animus of this? This is certainly the argument that is openly admitted at Kew not so much for their publications as because of their horticultural and economic connections. If they states this frankly at Cambridge, I think it would be better.

But I have gone on at a good deal of length. I know that you will take what I have said as written with no spirit of undue criticism, but I know from experience how hard it is to judge when only one side is known. I am in the movement, know the history of it, have worked with the committees and appreciate the desire there is for stability. I have ~~no~~ no patience with some who stand off and say

10) in effect, "If so and so is on that side I won't play" while they oppose nothing of the reform itself. If anyone opposes the principles why not come out to the meetings convince us that we are in the wrong and help us on to a system that will be or can be adopted?

As to the rules being "Brittonian" they are no more so than they are "Coulterian" or "Wardian" or "Covilleian". They were adopted because there was a necessity for some rational basis that would prevent haphazard naming in the future. I think the men who are in ^{the} matter include the majority of those who work ^{most} with plant names (systematic botany) and realize the necessity of using them systematically.

Well are you tired out?

I have just gotten in a set of Gilbert's ferns of Jamaica, about 150 species mostly very good also a set of 80 collected in ^{or near} Vera Cruz by Hugo Fink about 3 or 4 years ago. Also I have been naming up Heller's Hawaiian ferns over a hundred species. His specimens are simply elegant, fully equal to the best of Pringle's

Culbun Ala 17 Feb 1896.

Dear Mr. Davenport,

I have looked over your new hybrid species with some care and have compared it with specimens of *cris* x *marq.* sent previously and also this time and with a number of forms of *crisatum* and *Clintonianum* and confess I am not able from the material to see a form that is specifically distinct or hybrid distinct. In fact I have found so many forms that connect *Clintonianum* and *crisatum* that I am even no doubt about the validity of the variety as more than a bold growth of the species. I see it has all the appearance of a hybrid but were they mixed up with my specimens of your former hybrid form I do not think I could pick them out.

The little fern is certainly marian but I doubt its being a native of Oregon.

Pringle's *Aspidium* appears different from anything I have and I should call it new. I shall have six new Hawaiian ferns and a new *Selaginella* from Yucatan.

I do not come today. I neglected to answer your card that my proof of fern book was read over two months ago.

Yours ever
L. M. Underw. J.

Auburn Ala 24 Feb, 1896

My dear Mr. Davenport

I cannot understand how that package could have come undone in such a manner for I tied it very securely - especially so because when it came to me the outer string was off and the cover flying in the breeze but the specimens were intact. I am so sorry.

Yours very truly

L. M. Woodward.

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18 October 1896.....189

My dear Mr. Davenport,

I am sorry to inform you that I had mislaid your package and in my very busy time getting settled in my new home have not found it until today. I shall take my first opportunity to look over the *Isoetes* and report. I will soon have an article on Alabama ferns in the *Gazette* in which I shall separate specifically the form of *Botrychium ternatum* (if it is *ternatum*) that Michaux described as *Botrypus lunarioides* and more fully withal but which Lamarck had already described earlier as *Osmunda biternata*. I have just gotten in some material representing the Japanese ~~MMMM~~ species from which Thunberg described and figured the original *ternatum* and I begin to think that Prantl was right in separating our eastern species from that one--^{Prantl's} the only one that has examined the group critically. I shall separate a Mexican form also and yesterday I found for the second time a form here that I never saw growing before that they have been calling var. *dissectum* but it is entirely different from the *dissectum* that I have always gathered in Connecticut. What is the habit of the species in Eastern Massachusetts? In Conn. it always frequents grassy pastures in open places and I gathered quantities of it along the roadside and in cemeteries where there had been no plow for many years. The same is true of the plant in New York. Here and in Alabama the species never grows in the open but is found in woods and usually rather damp ones at that.

I am getting greatly interested in the group and you may look for some radical moves in the future tho I shall not be more so than

been
Pran^d has already ~~seen~~ before me.

Please pardon this type written letter but I am tired to-night and
it is this or nothing.

Yours as ever,

Lucien M. Underwood.

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My dear Friend Davenport,

Of course I know of Milde's treatment of the Botrychia and have it and have never been satisfied with it. His historical treatment is more complete than Prantl's but his structural discussions do not compare so favorably. I have never liked his allying *B.ternatum* and *B.simplex* in a group by themselves for instance. Surely *ternatum* and its segregates is a good group by itself and very distinct from the other members, but *simplex* is much more closely allied elsewhere. As to *biter-natum* it is much more distinct from the northern plant that we have since Milde's time been calling *B.ternatum*, than any of the three species *lanceolatum*, *matricariaefolium* and *simplex* are from each other. Does total difference in season count for nothing, does the total absence of the hairy covering so characteristic of the northern plant count for nothing? Does the almost sessile sterile leaf count for nothing, to say nothing of spore characters and leaf cutting which are of themselves important? I have recently received some *B.ternatum* from Japan and I am more impressed with the fact that Prantl is right in maintaining the distinctness of the American plant of the northern states. Likewise the European form I have never felt was the same as our own. And I am very sure that the form of "*dissectum*" if that is what it is that we have here about New York, is not the same species that I have been gathering for years in the dry meadows of Connecticut. I wish you ~~was~~

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would send me some of the var. dissectum as you understand it about ^t 189
Eastern Massachusetts. The Form I have collecting in Connecticut for
dissectum is utterly different from that that we have here. I do not wa
want to do any rash thing but I do not believe that Milde settled the
specific limits of Botrychium for all time any more than one of our
recent American botanists settled the species of Oxalis as they are
now arranged in the last edition of Gray's Manual, where four species a
and a variety do service for about eight very distinct species, and the
names that are given in the manual misapplied at that as proven by
the original specimens (types), compared at London, and in Elliott's
herbarium at Charleston which none of the New England botanists have
ever taken the trouble to look up. The monographer in question, however
is Dr. Trelease. But I wander from my subject. Some of us who have
been west and south have found how these completed revisions fail to
cover the case when we get out in the fields away from the immediate vi-
cinity where the revision was made. I have expressed what I believe
is the proper attitude toward a revision in a paper recently publish-
ed of which I will send you a copy as soon as I receive the extras. I
think it a very common error to look upon a revision as a finality
rather than a datum line for expressing the present state of our knowl-
edge and for building from for the future. Nor do I believe this to
be anarchy but the true spirit of scientific research. I think then
that Synopsis Filicum will be someday revised by some one who has
access to the great Kew collection and the places where the older Engl-
ish botanists have unceremoniously lumped a lot of things that are ful-

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ly and clearly distinct from each other will be the opportunity for the restoration of many many species that the English have consigned to Synonymy, often without taking the trouble to cross the channel and examine the types as in the case of *Aleuritopteris Schaffneri* Fournier which I found Baker had distributed under no less than three genera in the Kew Herbarium! *Pellaea cordata-intermedia-flexuosa* and the last named are striking cases which are duplicated hundreds of times in the Synopsis Filicum.

As to the proof of the non-hybridity of *Asplenium ebenoides* I do not know as you will deem ^{it} sufficient as stated in my paper (of which I have just read the proof) but you could not look upon that display of the species at Havana glen and think for a moment that it was a hybrid. In fact the burden of proof rests on the other side for somebody suggested that it might be a hybrid and we have fallen into the line and continued to think it must be so. Neither of the two ancestors are common in the glen while *A. ebenoides* is. New or young plants of the *ebenoides* are abundant. The species has a habit utterly different from either of its ancestors-- it grows way under the overhanging cliffs in dark crevices, never in the open like both *A. platyneuron* and *Camptosorus*. It seems to be the headquarters of the fern at Havana, so far as we know at present while the other scattering places where it has been found are merely straggling outliers. I am more and more impressed with the necessity of seeing things in their native haunts and feel grateful for the opportunities which have permitted me to see nearly two thirds of our native ferns in their native haunts.

I think you fail to catch the spirit of the Illustrated flora

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when you call my attention to the omission. If you will look through
 Carex, Salix and Quercus you will see that hybrids are only referred to
 where they have appeared or been described as species. In accord with 189
 this principle of omitting hybrids I made no mention of *D. marginalis*
crisatum as a species nor do I think a hybrid can be considered as a
 species in any scientific sense even tho we recognize them as real and
 of interest as I do your own form which has recently been sent in
 from ~~MASSACHUSETTS~~ Connecticut which adds to the list of localiti
 es in your recent interesting article in Garden and Forest with its
 excellent plate. If you had been subjected to the necessity of making
 your descriptions of a standard length as the descriptions of the illus-
 trated flora are on account of the cuts appearing in the text and only
the head line in any case being possible to run across the page you ^{would} ~~not~~
 understand the infinite patience that the job has ^{required} ~~been~~ as well as the
 fact that on page 17 there was little space left for more than the
 briefest allusion to the existence of a hybrid. I am sure that if you
 understand the plan of the work you will be sure that there was nothing
 further from my mind than to discredit the reality of your hybrid which
 I believe in as a real existence tho I do not think the evidence of
 hybridity is complete. It may even be a species but so long as it has
 not been described as one I do not think that it should be given a
 place as one. I have hunted as far as opportunity offered for simula-
 tum but so far have been unsuccessful. I am glad you are going to send
 us some. I hope to find it sometime but I do not know when for if my
 plans carry I shall spend all next summer (June to Oct.) at Kew and the
 following summer on the contineht. I wish you could come and see me now

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we are so near each other. I hope to run up to Cambridge some time this year and if I do I shall surely not pass you by. I am getting in just as fast as possible all the cryptogams that are in sight, European exsiccatae of all sorts especially algae, and lichens. With the Columbia collection, the Ellis collection of Fungi ^(75000 specimens) and my own collection of about 30 000 (thirty thousand I meant to say) specimens ranging from ferns to Algae we have the foundation for what I am sure will be the best collection of the lower plants in this country and very full of types. I shall strive as much as in me lies to make it of the widest use to those who are competent to use it and shall not maintain the policy which I suffered from the year I was at Cambridge which closes everything up to the worker. I do not refer to the Gray Herbarium where my experience that year as well as always before has been the most free possible. Dr. Watson let me into the Sullivant and Taylor collection and during my Spring there my experience was delightful.

Now I am going to remind you of a matter that you did not answer last year in one of our friendly spats over the subject of Dryopteris. I asked you why you did not consistently object to the use of Polygonatum, Asimina and several other of Adanson's genera on the same ground as Dryopteris; they being described in the same work in just the same way? I want to know if there is any good reason because I have been unable to find any. If we are going to throw out genera that are meagrely characterized let us throw out all of the Linnaean genera and species too. Why not? I do not wish to revive the discussion but I am anxious to know if there is any special reason why Dryopteris will not rise or

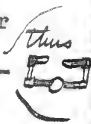
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fall with Adanson's other genera? And while we are under this head do you know the basis of Dr. Gray's adoption of Dryopteris in the early edition or editions(?) of the manual and the later rejection of it? I think this would be an interesting point if it could be known but have found nothing bearing on the matter.

Surely when the new building and green house are gotten in shape you must come down and see how we are to be fixed. We are to have a botanical museum building four stories high and over three hundred feet front with possibility of extension backward in two wings 150 feet or so on either side. The fourth story is purely scientific with a herbarium room 50 by 90 feet with the possibility of an addition of 150 feet more ; a library with stack room for at least 50,000 volumes and laboratories for morphological and Physiological work. The Green house will be over five hundred feet front with two wings and then two tails so as to enclose nearly a rectangular court. The central dome of this will be 65 feet ^{high} so as to take in palms. The plans for the entire lay-out of the garden and these two buildings are all made and will go before the Managers this month and we hope nothing will prevent their being under way before snow flies on the grounds. My work on committees and directions has seriously interfered with other work. I neglected to say in this paper that I had great difficulty in getting the additional species into the new edition of my fern book as I had to preserve the form of the pages intact and condense; such a treatment is unsatisfactory; I shall never try it again.

I have written you a long letter tho not in my own hand and yet in the only way possible to a man with as many irons in the fire as I



~~to the line of the text below has been corrected and now it is correct~~

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have. You know that the only spirit of antagonism I have on any botanical subject is based on what I believe to be the best advancement of Botany in America. I have always succeeded somehow to be at peace with all men in the botanical world tho I have not hesitated to tell some of them that I did not and could not agree with them. I have always felt that if the Cambridge men like Rand and others would meet with their botanical brethren instead of firing into their motives as he did without ever having met most of them in a face to face talk that there would have been less feeling ^{and less difference of opinion;} I rejoice to see that there is less of it than formerly.

Sincerely and ever your friend
Lucien M. Underwood

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27 December 1896189

My dear Mr. Davenport,

While I only saw one plant of the *Botrychium biternatum* growing, I saw several plants of different collections in Dr. Mohr's lot and we have several collected long ago in South Carolina in the herb. Torrey. In all these the sterile segment is practically sessile. I have not examined all for the bud but found it smooth in those that I did examine. I see no striking similarity in the difference of season you cite from Mt. Desert for the one is quite a difference from September to February or March as compared with two months during the growing season of summer. As to the matter of difference of cutting that comes from the fact that several things are still included in the so called Ternatum which really do not belong there. I have no less than three besides the European form. I have been collecting the species for a number of years and now have specimens from forty or more different localities ranging from Mexico and California to Maine and Alabama. I find a general constancy in the cutting within a rational margin and find differences in the so called varieties that are good specific characters. I have not time just now to work all this out but hope to get more light on the material at Kew when I can go over there.

You entirely misunderstand my question about Adanson's genera. I hold no man infallible not even Swartz on fern Genera! But if *Asimina* and *Polygonatum* are good genera, *Dryopteris* is just as good a one. To be consistent we must drop all three if we drop one. So Dr. Gray thought in 1848 and why he changed I have only a theory. I would like some facts

And again you fail to catch the spirit of the generic name in saying that you object to having e.g. acrostichoides made a Dryopteris. If acrostichoides is congeneric with filix-mas they must bear the same ^{generic} name. I do not say they are congeneric for I do not think they are. I am sure that Presl and Fee and other continentals had a clearer idea of Genera than Hooker but even Hooker keeps Nephrodium and Polystichum separate. The species that are congeneric must follow the name of the genus and I only quote Dr. Gray when I say that I believe heartily the aphorism: "A species (or genus) can have only one name and that is its oldest one". If acrostichoides is congeneric with filix-mas they must both be Dryopteris for that is the oldest name applicable to any part of the combination.

I may have done wrong in not separating the genera as well as the group which contains trifoliatum and the one that contains juglandifolium, but I have hesitated to break away from the current usage as regards genera. I think ^{too} that those botanists are in the wrong who have united Struthiopteris and Onoclea for no one can make me believe that they ever had a common ancestor within the genus (i.e. are closer to each other than they are to other groups outside the combination) which is I think the test of congeneric relations.

When I get ready to revise the ferns of North America which between you and me is a considerable part of my summer's mission to Kew, I shall express more freely my views on generic relations which I confess are now not entirely settled. I hope within the next four or five years to get together sufficient data to monograph all the ferns down to the Isthmus and include those of the Antilles. I shall have to go through the collections at London, Paris, Berlin, Copenhagen as well as those of Cambridge.

Columbia University in the City of New York

DEPARTMENT OF BOTANY

and New Haven as well as those of as many other smaller ~~collections as~~¹⁸⁹
I ~~can~~^{get} access to. With my own and those of Columbia I have a pretty
good basis to work on as a starter. I have been contemplating this for
a long time but have not felt in a position to see my way clear to
the necessary trips to Europe to get hold of the material that is abso-
lutely essential to a complete study of these things :

Sorry to trouble you with a type writer again but I have become
so attached to it that I dislike to use a pen:

At any rate I am as ever,

Sincerely yours,

L. M. Underwood

Please accept the best holiday wishes for yourself and your family. I
shall hope to get down to see you sometime. *L. M. U.*

Columbia University in the City of New York

DEPARTMENT OF BOTANY

6 January 1897

189

My dear Mr. Davenport;

I think the Adanson matter is clear at least it is to me. If *Asimina* is a valid genus then others founded at the same time have a right to be recognized; a condition and not a theory that confronts us; since some have denied that Adanson's genera should be recognized. Then if *Dryopteris* was duly founded with any members of what has since been called *Aspidium* or *Lastrea* or *Megarodion* as its type then *Dropteris* must hold, no matter what better characterizations were made of genera since. Whatever is added to it that comes within the same limits will follow into the same genus. That is all I meant by citing other of Adanson's genera; I had supposed you had opposed it because it was Adanson's and hence not as well characterized as later writers have characterized their genera (Swartz e.g.) The same would be the case with most of the genera described before 1800 and many since. The fact that a genus is poorly characterized does not affect its validity. Every one who adds a new species to a genus increases the extent and limits of that genus and to a certain extent renders the generic description faulty, i.e. if the species is not closely allied to some other one already described.

I am glad to know your idea of *Polystichum*. I wish you had expressed it also on *Onoclea*. I will say further that I believe Lawson and John Smith were more nearly right than H. & B. in separating *Dennstedtia* from *Dicksonia*. Surely *Cibotium* from the Sandwich islands has nothing in common with *Dicksonia*, and if *D. antarctica* is a *Dicksonia* I do not

think our species is congeneric. But you will think me a pronounced heretic. Mr Dodge has sent me specimens of his new species and also of Eaton's foveolata. I am not sure about them but have not given them the careful study yet that I hope to. I see that Eaton has named one of Pringle's species *Isoteles Montezumae*, Pringle used to send his fern allies to me but I suppose my heresy has displeased him. What are Eaton's qualifications for such work? I had supposed him a young collector with sharp eyes merely.

I still think exactly as I did before in regard to *Botrychium biternatum*; and I think if you saw the material I have you would come to the same conclusions in the matter. I think the same is true of the form that has been masquerading about here as *B. ternatum*, var. *dissectum* and seems to be the only one about here that has passed for that species, or variety. Every one who has seen it recognizes it at once as distinct and different from what has passed as *B. ternatum*. Have you ever seen the true *ternatum* from Japan? I don't believe that you would call it the same as our great thick plant at all. I had never seen any of this until recently. But if you do not agree with me we will agree to disagree and be none the less good friends for our disagreement. I am reminded, however, in this connection that you strongly dissented once to the ground I took in regard to the cause of *Onoclea sensibilis obtusilobata* on which I had made some very careful observations in my youth. Now the point I maintained has been proven by Professor Atkins on beyond a question not only with both species of *Onoclea* but with the *Osmundas* as well. Possibly some one will rise in the next generation of botanists to justify my restoration of as good a species as *B. biternatum*

Yours very sincerely,

L. M. Underwood.

Columbia University in the City of New York

DEPARTMENT OF BOTANY

8 February 1897/89

My dear Mr. Davenport,

I send with this a sample of what I take for the true dissectum of which I send a transcript of Sprengel's original which I have recently found. It is no more like the dissectum that I have been disregarding even as a variety than *B. simplex* is like *B. matricariaefolium* or any other closely related species. It is as distinct from *B. obliquum* as any two of our related species of Dry--- no *Aspidium* for I see in order for work to live one must write it that way. Now really don't you agree with me in this? The Indiana specimen I send because all my other material is mounted. I now have it from Ky. Ind. Md. and New York. Sprengel's type came from a Southern locality (Virginia).

I would like the specimen back poor as it is just for the locality. And I would like the description back.

Now, my friend I want to ask a favor. I have to give a lecture on The Haunts and Habits of ferns and would like like to know if you have in stock any lantern slides illustrating the first part of the subject. If so would you be willing to loan me a half dozen or so that would serve to show them up in their native conditions. This matter has come upon me suddenly and while I have quite a large stock of material, I have little that would be of value for just what I want.

Yours in haste,

L. M. Underwood,

13 Feb 1897

My dear Mr Darwin

Rest at ease dear Soul!

The Indiana specimen was the only one in the package and it is of no special value only as ~~showing~~ illustrating distribution.

I have of course never seen Spruzel's type and do not even know where it is. I only meant to say that the fern I collected here (which is practically the same as the Indiana plant sent.) corresponds to Spruzel's description exactly a copy of which I enclosed in my letter. The

package came to me the same way
from Indiana and I thought it
would go to Boston the same
way. I will try and be more
careful next time. It makes
no difference only I hope suf-
ficient of the plant is left
to show its general characters
so distinct from the var. dissectum
of New England.

Yours sincerely

L. M. Underwood

17 May 1897

Dear Mr. Davenport,

Please accept thanks for your paper. Your conclusions I do not accept and your inability to refer to any part of the conglomeration known as "B. ternatum" as a definite thing is one of several reasons why there ought to be a segregation of the species.

I am sorry my own collection is packed away waiting the removal to the new site. I think I have a specimen of C. Moritziana from Schaffner ~~and~~ I send you to-day by express our whole series of C. microphylla and P. Seemannii, altho the strict

Rule of the Trustees of Columbia require
a special permission. I do this on
my own responsibility.

Yours truly

L. M. Woodward.

Columbia University in the City of New York

DEPARTMENT OF BOTANY

28 Jan 1898.....189

My dear Mr. Davenport,

I find that we have three numbers in *Adiantum* of Mr. Schotts things and send them to you by this mail.

I can hardly go over the whole collection of ferns at Columbia to find what numbers are here a matter of two days work but will send you such as you may specify that you want. We have in that collection probably quite a number of Schotts ferns as I have seen some of them from time to time in our herbarium. I have none of them in my own. I have accumulated a good deal of material on the *Botrychium* question having now seen all but two of the collections of the country of any size. I have also Presl's type from Prague and I find that it represents a good species. Mr. Pringle has also sent me recently an interesting form from Mexico of which I would like more material. It is unlike any U.S. form I have seen.

Tho I suppose that you will differ with me I shall reinstate three species that have been ~~MEMBER~~ confused under *B. tornatum* which is not an American form, shall describe a totally new species from the United States and another from Japan that with us has been confused with *B. ternatum* but which Mr. Baker confused with *B. daucifolium* in which he was followed by Franchet and Sauvatier in his flora of Japan. If we must, we will agree to disagree and be two friends. I feel sure after going over the results of years collecting at Kew that Baker has made the worst mess of this species or group that he has

of any group and the study of a large series in Gleichenia, Anemia and Lygodium as well as Acrostichum shows that he has lots of messes among the ferns. I am convinced that the only way to study ferns is to go where there are more than at all the other collections of the ~~world~~ world combined, tho of course our United States species are very much better represented in several American collections than at Kew.

Yours sincerely,

L. M. Underwood.

TORREY BOTANICAL CLUB

NEW YORK, 8 Feb., 1898.....189

My dear Mr. Davenport,

I cannot understand why you have not received the Adiantums as they were sent you at Medford, Saturday, H Jan. 29, by mail.

I have looked through the genera mentioned and find only Acrostichum 77 which is in a cover with L. digitatum D.C.E. I cannot say that I may not find the others later but this morning I have in the limited time at my disposal been unable to find the others. I find that it is better to work such things up at Kew where there is greater abundance of material from tropical regions for comparison. I think a great deal of the work that is being done in this country on Mexican and South American plants will have to be done over again and that we will be misled ~~by~~ (or led into error) by much that is being done. Understand me I think it ought to be done by Americans but can be done satisfactorily only at Kew or Berlin, particularly the former.

Since I have been in New York, I have had little time to give to the collection of ferns here to put it into working shape. There is very much to be done here and I hope to get at it soon and get it into more usable shape. I have the species of N.A.M. tentatively ^{placed on} ~~the~~ the species covers which I find is the most satisfactory method of arrangement. If you could give closer clues to the species you wish notes on it would save an immense amount of time in hunting them up. And time seems

to be the important missing factor with me these days,
I surely hope the package has not been lost.

Yours very truly,

L. M. Underwood

Columbia University in the City of New York
Department of Botany

18 November 1900

My dear Mr. Davenport,

In response to your request for corrections to your list of localities for ferns I will say that in looking up the question of *Phegopteris* it is evident that *P. Phegopteris* only goes a moderate distance south and that the reference to Virginia is probably incorrect; there is a specimen so named in the Harvard collection but it is clearly *P. hexagonoptera*. I suppose that a note will come out with reference to *Cheilanthes lanosa* being found on West rock in New Haven abundantly and I understand that the station on Manhattan Island is still intact.

I have just noticed in *Rhodora* how you are adding to synonymy -- a matter that you have usually claimed that we were having a monopoly in.

Dicksonia pilosiuscula var. *crinata* contains two palpable errors I can conceive how you still stick to the view of the oldest name under the genus as a matter of conservative action but I cannot conceive how in the light of all recent investigation that divides the fern in question by the width of a family from the genus [^]*Dicksonia* you can adhere to that generic name which belongs to an entirely different group of plants! Surely this cannot be explained on the ground of conservatism. The principle of the first name under the genus is ^{now} _^even repudiated by the Kew people who are working on ferns where the principle originated and the hybrid Berlin school utterly repudiates it. I cannot look upon the variety as one that is in the act of forming a species but more as a sport that has become perpetuated like the similar variety in *Polypodium vulgare* that Mr. Peck described some time ago.

Columbia University in the City of New York

Department of Botany

I had a very pleasant time at Kew this ~~summer~~ summer and saw a little of Mr. Baker the dear old man who comes rarely to the Herbarium, tho he is much younger than Sir Joseph who comes there quite regularly every few days. He is such a kindly man that one can almost forgive him for the wretched mixing process that he has been carrying on at Kew during the past quarter of a century. *Pellaea corseta*, *intermedia*, and *flexuosa* are still in the same cover there in spite of your extended notes which are contained in the collection. They have at last separated *Notholaena Schimperii* from the three species in two genera with which it was formerly scattered. Mr. Baker has duplicated two of our western species among his recent descriptions i.e. those of the past ten years by unnecessary redescription. The collection is still the most extensive of any but in some genera is in a bad muddle of species. I had the pleasure of seeing the Cosson collection in Paris containing the Fée types in excellent preservation and condition. I had had difficulty before in finding their whereabouts, ~~before~~.

Yours very truly, L. M. Underwood

I hope you will be able to get down here before long. The time was so short and so crowded when you were here that I was able to see little of you. I hope to go to Washington and Baltimore during the holidays to see the Donnell Smith and national collections.

L. M. U.

9 Sept 1901

My dear Mr. Davenport

Your letter of Sept. 1 only reached me yesterday being forwarded to Ouray, Colorado where I am collecting in the mountains of the Southwest. I am very glad to make any correction to any misstatement of fact and I now recall that I suggested to Dr. Watson in 1891 the clue which explains his connection with the specimens in question. I had wholly forgotten this when I wrote the article in question but I do not see as it materially affects the case as it had in any case no special bearing on the point ~~suggested~~ I was making. As you have kindly suggested

gested I enclose a correction
doubtless now too late correct-
ing the facts.

You suggest in your letter
less directly a grave charge
which you have ^{am} indirectly
alluded to in print. I wish
to say that my statement that
at the time I examined your
fern collection - my statement
that it contained 44 specimens
of the so called Botrychium ter-
minatum ^{group} was correct according
to my best knowledge and belief.
In making the count I followed
the same practice I followed in
reply to other ~~questions~~ collec-
tions cited in the same paper.
In every case I spoke of a "spec-
imen" as one single collection
of one collector at one time
and place. (not as)

this might contain seven or
 ten individual plants (or spec-
 imens as I suspected you
 have considered in making the
 count quite different, I counted
 twice carefully and as explained
 above found only 44 specimens
 of that ^{group of} species in your collection.
 I forgive the comment "many
 of them scrappy" cause more in
 contrast with Walter Davis's
 elegant suite of specimens which
 I had examined the day before and
 I think I commented favorably on
 his collection in my paper. My
 statement was one of fact and
 I am not to blame because it was about the
 present ^{examined} ^{specimens} for ^{the} ^{specimens} of *B. ellisii*
 was not intended ^{to} ^{be} ^{an} ^{attack} ^{on} ^{his} ^{collection}.
 You will bear in mind that
 I did not commence this
 controversy over the species

~~the~~ Botrychium but that twice
you have attacked my positions
in articles read before the New
England Club and afterwards
published. I do not quarrel with
your positions for it is a free
country and every one is entitled
to his own opinion. I cannot help
differing from you and the
tone of both your attacks
on my positions has been
such that silence on my
part was impossible. Those
who take up the cudgel in
controversy must expect to
be met in the same way.

The time was when I was
a boy just taking up the
study of ferns which you
had pursued for some years
when I commenced. I recurred

Columbia University in the City of New York

Department of Botany

many favors at your hands and
 you dealt kindly with my
 feeble efforts. I have always
 been and shall always be
 deeply grateful for your kindness.
 Now after twenty or more years
 the differences in our times
 or lengths of study are relatively
 less. Because I have been
 favored with opportunity to
 see American and foreign collec-
 tions of Botrychium to probably
 five times the amount that you
 have seen, is only a matter
 on which I compare myself
 as a basis and I have used this
 to make my generalizations
 upon. If rightly or wrongly
 time alone can decide.

You call me ungenerous to
Dr. Gray, I am not conscious
that I have been so, I cherish
only the kindest feelings toward
the memory of that great man.
Still I recognize, and the facts
bear me out in it, that with
all his kindness to beginners,
as I was at the time I knew
him - with all the encourage-
ment that he was woud to give,
there was a side to the man
that was utterly different.
Witness his unjust treatment
of Alphonse Wood, of S. B. Buckle,
one critic^{at least} of whom an
Academy of Science called upon
him to retract so it is a matter
of record; witness the last

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Department of Botany

letter of his life to Britton
 which a more kindly feeling
 for his memory would have
 withheld from publication, witness
 also his treatment of E. L. Greene
 for Dr. Gray's letters to the
 latter (some of which I have
 seen) would form a volume
 strikingly in contrast with
 those selected for publication.

But we need not discuss
 this matter here. We have
 thrashed this out before. We
 are all fallible and Dr.
 Gray with a great amount of
 work on hand, did some things
 in a hurry.

On receiving your letter - the

latter part - I see how you
have read ~~it~~ into Dr Watson's
labeling a wholly erroneous
view, and your underscored state-
ment in the light of facts ^{only} shows
how unwarranted such readings
in can be. You say "But the
fact remains that the specimens were
shortly properly identified mounted
apart and correctly named by Dr.
Watson's hand writing."

In fact they were mounted on
one sheet as B. lanceolobus
apart from each other but as I
said mixed by the fact that
they were on one sheet, and identified
by my suggestion to Dr Watson
in 1891 - fifteen years after
they had been placed in the
herbarium. - But why make a
mountain out of a very small mole-
hill?
I enclose a find of yesterday which
seems remarkable for both season and
locality. Sincerely L. M. Underwood.

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Monthly, \$3.00 per year
Founded 1870. Vols. 1-28 issued

TORREYA

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Founded 1901

MEMOIRS

Issued irregularly, \$3.00 per volume
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LUCIEN MARCUS UNDERWOOD

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FRANCIS ERNEST LLOYD

Business Office

COLUMBIA UNIVERSITY
NEW YORK, U. S. A.

Columbia University, New York city

17 February 1902

My dear Mr. Davenport,

Yes, I was the guilty one who sent you a little of *Adiantum modestum* from the original locality but Professor Earle reports that it did not appear to be as thrifty as the year before. I also included a plant of Schaffner's original collection of *Aleuritopteris schaffneri* Fourn. thinking it might be of interest. We have the herbarium of Schaffner from Vigener, recently obtained in Europe.

Where have I lapsed from *Botrychium tenebrosum* as you say I have in the last Fern Bulletin? It was news to me. In fact I have been for some time on the point of asking you if you ever had any doubts on the correct determination of the plant you called *B. lunaria* collected by Mrs. Rust and others near Syracuse? I have collected any quantity of *B. lunaria* in Europe and have never seen any like that from Syracuse which I have also seen in the living state.

I do not suppose that you can even expect that I shall let your recent work on the Aspidieae in *Rhodora* pass unchallenged. If you had searched the whole history of Fern literature with a fine tooth comb you could not have hauled up a more horrible example of an ill-shapen indefinitely-formed genus than *Nephrodium* and I cannot understand how such statements as that it has been in constant use for the past hun-

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dred years (in just the way you say it) can be construed other than as an attempt to mislead those who have not the means for knowing the facts as you have at their disposal (and in many cases not the ability were the means present). You know just as well as I do that *Nephrodium* in ~~specimens now~~ take it up has never been taken up for the free veined species. But I am at work at a historic review of the subject and shall endeavor to show up your fallacies in the light of the "great authorities" on whose work you and I seem to differ quite materially. Is it a case I wonder where familiarity breeds contempt?

Bearing on the slam you gave me in the October Fern Bulletin over poor Maxon's head and the extended facilities the German and other continental botanists have for reaching adequate conclusions on American ferns, I happened to come across the notes I made at the Berlin herbarium in 1898. This as you know is the most extensive fern collection on the continent (containing the collections of Willdenow, Mettenius, Kuhn among others) and larger even than that of Fee which I saw at Paris in 1900. The Berlin collection had not a single plant of what you call *B. matricariaefolium* from America and only one *B. lanceolata* and that from Greenland!! I think if you could go through some of the collections of the German worthies you would be more chary of how you made remarks that to those familiar with the facts are to say the least ludicrous.

*Your very truly
Lucien M. Underwood*

U. m.

Faint, illegible text, possibly bleed-through from the reverse side of the page.

Very faint, illegible text, possibly bleed-through from the reverse side of the page.

New York Botanical Garden,
Bronx Park,
New York City.

21 Oct 1902

My dear Mr. Davenport,

Permit me to thank you for your separate on New England Ferns which I found on return to my table and mail after the summer.

You have greatly simplified the matter of *Nephrodium* by your fortunate discovery of that citation in Michaux that heretofore has baffled me.

It of course places *Nephrodium* out of the question of "what is a generic type" as it is apparently to be regarded as a monotypic genus, its author Richard without question, and its type *Polydorum filix-mas*. The difference between this genus and *Dryopteris* reduces itself to a question of

New York Botanical Garden,
Bronx Park,
New York City.

priority simply, as both genera are founded
on the same ^{monotype}.

You are to be congratulated on straighten-
ing out the "Cat."

I have been a resident of New England
all summer having bought a farm in
Western Connecticut 60 miles from New
York. I expect you know I am to
leave the West Indies for six months
commencing in January followed
by 3 months in Europe where I ex-
pect to visit Maddis, Geneva, Paris,
Prag (for Proul's types) Berlin and New
Yours very truly
Lucien M. Underwood

large fine collection of Bo-
livia ferns collected by
Mr. Williams who has now
gone to the Philippines,
orders collections made
this year by our own collec-
tors in Cuba, Jamaica, Dominica,
Haiti and Honduras which
are very extensive. I have
also the great Junman col-
lection to insert with our
own. When all these ~~are~~
in with my own personal
collections which I am
now incorporating the original
Columbia herbarium of ferns
will be fully tripled if
not quadrupled. Junman's
collection is the largest gen-
eral West Indian and Guiana
collection in existence

22 Dec. 1903

My dear Mr. Davenport,

I send you herewith a
preliminary paper on the genera
of Philippine Ferns. I thought it
would be useful for our bot-
anical collectors there and
yet that was not my ulterior
object as it is really a
preliminary part of what
I hope in time to make
a systematic survey of ^{all} fern
genera towards which my
studies have been in part
directed for ^{some} years.
I think you will see

that my views are not so revolutionary as some of my friends have usually regarded me. I have of course divided Polypodium and Dryopteris as later in the wide sense of Synopsis Filicum and Die Natürlichen Pflanzfamilien and otherwise I think my work will conform quite closely to that of the latter work except in a few minor details and in a few changes necessitated by taking up oldest available names. I have established two additional tribes and have removed the "Dymnogramma outfit" from the Pterideae where Deles placed them (for what reason I never could see)

and have tried to distribute them in accordance with natural affinities. I have also divided up the Thymophyllaceae in accordance with Prade's masterly treatment which only now Dr. Brack seems to have followed and appreciated, altho he is the only one who has seriously studied the ^{as a whole} family since Prade's time. The nice note that I place this family highest in the scale of the ferns which is some thing of an innovation.

Time work is going on so rapidly as for me at New York, I have a

been at this season. And I
hope sometime to see you at
New York again.

Sincerely Yours

L. M. Underwood.

and my own Jamaican series
is for the species covered
far ~~superior~~ to that of the
Juman series but of course
not quite so complete. I collec-
ted some over 400 species in
that island.

Florida is yielding riches
unexpected. ^{from} four genera new
to the country and seven spe-
cies seem to be the present
record. Small took in four species
on his recent trip to S. Florida.

I suppose you have noted
that they have taken up Dryop-
teris as a genus at Berlin
tho they make it the equivalent
of Nepherodinus as taken up

in die natürlichen Pflanzengruppenfamilien i.e. including Phycop-
teris, Goniopteris, Meniscium
etc. etc. The German mind
moves slowly but it will
get there if you give it time
enough.

While in Paris I saw the little
work said ~~to be~~ by Richard to be
his work but with ~~another~~
man's name on the title page
which you quoted as publishing
Nepheridium; There is a technical
question as to whether the genus
is properly established since
there is ~~no~~^{no} description nor cita-
tion of species. Botrypus is better
named ~~and~~ as there is a citation
of a binomial species as a
type tho there is no descrip-
tion. It becomes now an

interesting question as to whether Botry-
pus Riesingis not a kind of Botrydium Swartz
as both were published by the same year.

I may look up the question sometime.
While in Prague I had the pleasure of
seeing Przel's original collection - still
preserved as Przel left it. I studied it

as mounted as Przel left it. I studied it
too, but Mr. Boken was away all the time I was
there, at Berlin in the Museum and Willmann
collections - but Hirmermann was away, at Prague
Gerson and Paris being spending a day
with Dr. Chvis at Prague.
I hope this will find you well and
not so overworked as you have sometimes

Columbia University in the City of New York

Department of Botany

25 Feb. 1906.

My dear Mr. Sargent.

Thanks for your article in Rhodora
on interesting hybrid of *Asplenium* with blue
print. Could I beg another ^{blue} reprint of the
plants. I want to put mine into the her-
barium at the Garden and my assistant
Dr. Curtis who is interested in hybrids would like
a copy for his collection here.

I note you speak of Mr. Woolson. The library

of Congress has her (his or its) recent work
In cultivation indexed under Grace E.
Woolson! While there has been some
dispute about the matter I think
the trend of modern nomenclature
is toward feminine terminations for the
person referred to.

I get all my mail now at the Garden
as I spend most of my time ~~at~~ there.
When are you coming down to work over
our collections?
Yours truly L. M. Underwood

Columbia University in the City of New York

Department of Botany

1 May 1906

My dear Mr. Davenport,

I am sending you a reprint of my last paper on the additions to the ferns of America since 1900. It seems a long long list but I have only admitted those I feel absolutely sure of except in the genus Isoetes that I do not pretend to know anything ^{critically} about. You will notice in a marked paragraph that I renounce the varietal status, the only thing the neo-americans gave up by way of compromise at the Vienna conference when your side gave up the Kew rule. I have never been in sympathy with the varietal matter anyway and have consistently, I think, opposed it with my brethren. In fact it only passed by a majority vote of one at the Philadelphia conference, and had one absent been there it would have been tied.

Columbia University in the City of New York

Department of Botany

Why would it not be a good time while you are abandoning the Kew Rule *and* taking up the "double headed citations" as Watson used to call them, to wave one more flag of truce and take up Dryopteris instead of the much later Nephrodium which was not properly published in that Gardening list (Hert. Med. etc) anyway, and must date as a first publication from the melange in the Fl. Bor. Am. ? In this way you would not only be in line with the rest of American usage except Clute — in whose company no one who has ever had him in employ would care to have too much to do with—— but you would also be in harmony with present Berlin usage (as seen in Urban's Flora of Puerto Rico) and Christensen's Index Filicum which is to supplant the Synopsis Filicum for general usage among the ferns the it is not perfect and that no one knows

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better than Mr. Christensen himself, who has written ^{ME} among other things for example that he should have taken up Tectaria in place of Aspidium as the earlier and more correct name, and will so indicate this in the general part which will be issued last of all.

I think there is little doubt but that Betrychium neglectum is also found in Europe—a belief ~~is~~ which I long ago stated as more than possible, but ~~that~~ it is not the original "Matricariae folio" that was figured in Breyn and that you would yourself acknowledge had you picked it with me in Thuringen in 1898 or would come down and look at the two sheets we have of it here, with others on the other side of the water as I have seen then.

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Department of Botany

I am not sure of some of the points you have made in the paper recently published in the Fern Bulletin but shall go over the data very soon. I have traced the date of Betrychium neglectum Wood back to 1847 and am not quite sure that I have yet gotten it back to the foundation as it was not there even noted as a "sp.nov." It may even antedate Braun's name anyway.

I hope this Spring finds you well and that you will find it possible to come down to New York and see us. I have now gotten the ferns in a single series in a room by themselves. It is literally ^{as I state in my paper} true that in West Indian material we have a finer representation of ferns that they have at both Berlin and Kew put together-- and yet last summer Urban with ^{the} characteristic conceit of the German

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supermentality had the effrontery to ask "where we were going to have the West Indian (particularly the Haytian) plants worked up?" and wouldn't believe me when I told him we had more literature and more material at New York than he had in Berlin! Of course I ever-looked ~~him~~ ^{his little folly} because he has seen only one side instead of two of the shield and declares the Berlin side is blue. All the same it is well to see the other side too and it is a broadening process in more ways than one ^{to meet the self-centred Germans} and one of the best is to see how the real facilities of these self conceited narrow people are so far in arrears of their boasted and boastful pretensions to rank as authorities!

Yours with best wishes,

Lucien M. Underwood