

There ~~are~~, as I am rather
interested in about group
too?

I have amassed large
numbers of Orchid speci-
mens and will be able
to let you have several
hundreds of numbers and
species. Perhaps it will
surprise you when I write
that I got about 100 new
*Dendrobium*s and about
150 new *Pulleyphyllum*s, but
it is so. The results of
this my collection will be
rather a surprise to bot-
anists. Of all species
collected I have made an
analytical drawing from
living flowers.

Bulu, Feb. 2nd. 1909
Recd April 10, 1909.

Dear Mr. Aures!

I was very glad to receive
your letter from Nov. 20, 1908.
It reached when I was just
returning from a trip into
the Finistere-Mtg. from where
I brought again a number
of new and rare Orchids.

With great interest I noted
your view on the *Gollogynis*
of Hitchc. or rather Kraunklin,
it ^{is} utterly congruous with
my own and I am sure
with the one of most orchid-
logists. Of course I read
every line of it and by
reading the foreword I thought

at once, that something
was not quite right about
these two plates of yours
and the changing of all the
Dendrochilum names before
they even had been published.

I don't say, you will quite
understand now too, that
I am so often or rather
constantly in dispute with
this gentleman, who is
working at the same place,
Berlin, where of course I
cannot help stumbling
allmost daily across some
remarkable blunders, he is
constantly making. For in-
stance once I found a sheet
in the Berlin Herbarium, which
he had determined was *Dubautia*
galleoides (a species he had

described some years before)
and is really was - not to
speak out-all but the common
Gynostemum coratipolium from
Africa. Finet in Paris
some years ago said to
me "It ought to be forbidden
to do botanical work"
I wonder what his mono-
graph of *Dendrochilum* will
be like, which is to appear
soon. But enough about
him now.

I should be very pleased
to accept Chinese plants
(of Wilson) in exchange
for specimens from here,
perhaps you could arrange
too that I can get dupli-
cates of Primulaceae from

You close a little couple of a *Stenochlamys* against from

anything new from Mexico of late? For some time he was mostly offering the same species. I wish some American collectors would go to Venezuela and Columbia, there would be a fine harvest to be got. Perhaps they are leaving it to me yet.

Hoping to hear from you again I am -

yours sincerely
R. Schlechter.

Friedrich-Wilhelmshafen
German-New Guinea.

P.S. Best thanks for the cones II, I hope they reached Germany well.

If ever you visit Berlin when I am there, you will most probably be surprised to find there in my possession an Orchid-herbarium which as to number of specimens and condition of them especially can well rival with those of big public institutions, as from all my travels I have brought drawings of nearly all species I got hold of.

As I got most old world countries pretty well represented now in my herbarium I am very anxious to get especially Tropical-American species and am very

pleased to exchange
with you any materials
you can spare from
Central- and South-^{Am}
erica as well as the West-
Indies. I suppose espe-
cially the latter will be
well represented in your
collection.

I suppose you know
that Cogniaux is mono-
graphing the West-Indian
Orchids at present.

Perhaps after a few
years I will make a trip
to Tropical America my-
self to get things better
from there. However this
is not quite certain yet.

For specialists or larger
herbaria, who can offer
me an equivalent in ex-
change I will have, I expect
about 500 species to exchange
from here. I got all ready
several offers, but I wish
to exchange against
Orchids, Stelionids, Triman-
naceae, Parmulariaceae and
Trinoriaceae only, as
otherwise it is difficult
to get Orchids in return,
as most collector do not
care to dry many speci-
mens on account of their
difficulties in drying so.
Has Pringle brought

I got quite a number of
new genera from here again
too. The Glomerinae are
represented in some remark-
able forms.

What do you think of
the *Coelogyne* of Pittier
& Kraenzlin? It is a pity
that several species were
overlooked and some of
the drawings are not good
and even wrong. It ought
not to have been published
in that state.

Hoping to hear from you
after some time I remain

Sincerely yours

Dr. R. Schlechter

Address until } Stephansort
further notice } German New-Guinea.

Camp on the Houri-Mts.
Aug. 3rd 1908.

Dear Mr. Charles Sues!

It is with great interest
that I read your paper on
the Orchids of the Mount
Halcon in the Philippines,
of which Mr. Merrill has
been kind enough to send
me a copy.

You live in German New-
Guinea now in a country
with a similar flora and
so Orchids not at all un-
like the Philippines. But
the number of species is
simply incredible here,

especially of the *Dendrobium*
and *Pulleyphyllum*. You
collecting largely so as
to be able to exchange
later on against Orchids
of different countries.

It will interest you to
hear that I found for
a new species of *Dendrochi-
lum* (*D. Nativum*) (*populoneum*
Zehl. n. sp.) which is somewhat
allied to my *Dendrochilum*
formosanum Zehl. (formerly
described as *Nativum*.) This
extends the area of the genus
rather considerably to the
east.

Have you published all
ready your paper on the

North-American *Habenarias*
or rather *Platantheras*? That
should be a most useful work.

I dare say I will be able
to let you have a rather
large number of Orchid-
specimens from here after
my return to Europe and
hope that you will have
to offer some Orchid-ma-
terial from Tropical-Ame-
rica in return or perhaps
the West-Indies? Perhaps
I will visit some more
of the Pacific-Islands
but that depends upon
the time that will be
left to me after I have
finished my work here.

at all most kind. If I remember
right you told me, that you
have put aside for me some things
from West-Indies and China.
Those I will be very glad to receive
now, any time you can send
them along. I would be very glad
too to get copies of your later
publications and will shortly
send you some of mine in return.
Could you get me the *Prinula*
clea and *Asclepias* of the
last Wilson-collections for de-
terminations? I am interested
too in these orders. Shortly I will
be able to write you a longer
letter. With best compliments
yours sincerely
R. Schlechter,
Berlin W. Neue Luststr. 5^{er}

Berlin, Aug. 19th 1910.

Dear Mr. Ames!

Now, since I am about a
month at home again, I slow-
ly start to take up my long-
lost correspondence, therefore you
must excuse, that I have not
written before.

The result of my last expeditions
will, I am sure rather surprise
you; I got about 1500 new species
of Orchids and immense mate-
rial for exchange, which I will
send out as soon as I find a

Berlin, 12. September 1910.

I intended to give out my
Orchid-duplicates as much as
possible in exchange, but somehow
we will be able to make arrangements
between ourselves. Would it not be
possible for you for instance to
get me a set of the West-Indian
Orchids? I got nearly next to nothing
of these in my herbarium. There are
now quite a lot of your countrymen
collecting on these islands, and I am
sure you would be able to get me
some material from there.

I am very curious to see, what
Kraenzlin's Monograph of *Dendrobium*
will be like, from what I see in the
Berlin Herbarium in the way of
his determinations there will be
quite a lot of ridiculousness in it
and this work will ^{be} the crown of
foolishness of a man, who really

Dear Mr. Ames!

Many thanks for your few kind
letters from the 24th and 31st of
August. I will indeed be very glad
to receive the papers, books and speci-
mens and will send you in return
some of my own publications and
some of the duplicate-specimens,
as soon as I start with their publi-
cation. The first lot you will
get, will contain *Luwatu*-Orchids,
some of which your name will interest
you much, as there is some affini-
ty with Philippine-Orchids. For instance
I will be able to send you two new
species of *Dendrobium*.

has not given a single usable
work to science in spite of his long
years of work. Sometimes it all
most appears to me as if he is
not actually determining his
plants but rapping them ^{out} ~~out~~.

I have just worked through the
German Orchids and there I found
that out of 25 determinations he
made, 19 are wrong and I correct.
Quite a good percentage, is it not?

I can really not understand Engler,
that he allows him to do any work
for the "Pflanzreich". These publi-
cations of Kuhn's will yet bring
the whole "Pflanzreich" in discredit.
All botanists should oppose to
his cooperation.

The gardeners here now hardly

send him any Orchids more for de-
termination, because they see themselves
they cannot rely on his names.

By the way cannot you perhaps
send me a sketch or life-size photo
of the *Polypodium affinis* Austin, if
there is no specimen to be got? I am
rather interested in this group of
Polypodium and would be glad to get
any material of the *Polypodium*
Polypodium (especially the *P. flexile*)

With best compliments

Yours sincerely

R. Schlechter.

7. Nov. 1910.

good things are. Unfortunately
of the specimens in your last parcel
there were only 6 which represent
6 species ~~new~~ new to my her-
barium. Of the West-Indies I got
very little material, but of course
the common things like *Epidendrum*
ciliare L., *E. cochleatum* L. and such
like are hardly worth sending
any more. Have you no material
of *Platanus*, *Yucca*, *Tetrameles*
Yaponica, *Maxillaria* to spare?
I take of course anything even
if it is common, but there must
be not too much of the same
stuff. You can be sure to receive
from me many a good ~~one~~ and
rare plant yet. Of course I do
not consider these 6 specimens
an equivalent for your things.
You are to get more yet, that
is to say for each number one
from me in return. It is on
this basis that I exchange
with New, Paris, Manila, Berlin,

Dear Mr. Sures!

You must excuse, that on account
of too much work I have not as
yet received your order and acknowledged
the receipt of your books and
the parcel with the specimens.

You are now dispatching a parcel
containing 61 species of Orchids
for your herbarium. You are sure
that the greater part of them
will be new to your herbarium.
The Orchids, I sent, are with
3-5 exceptions from Yunnan.
In a month or two I hope to
dispatch the first lot of the
New-Guinea-duplicates. But
I sincerely hope, that I will
get from you in future some

2009 and other institutions.
What about the Wilson-Primmer
herbar? Is there any material
to be got up there? Would it
suit you if I send you all list
of my desiderata of North-American
Primulaceae? Perhaps you may
be able to get me specimens of
some of them? For the parts
of your Prodrôme, which you
so kindly sent me, I will gladly
send you some Prodrôme too in
return. For these four volumes
I have often ~~used~~ used lately, and
I find them very handy and use-
ful. I make you my compliments
on this careful piece of work
you have done.

I will send you a sketch and
where it is possible a flower of
the *Dendrobium*, I have described.
I have been so overwhelmed
lately with work otherwise

I would have done it all ready.
Your *Dendrobium venustum*
is identical with my *Platyclinis*
microchila which I have changed all
ready into *D. microchilum*, in
a work which will appear soon in
Engl. Jahrb. I enclose in this letter
a flower of a new *Dendrobium*,
which I have published in Fiedler-
Repertorium. The plant is closely
allied to the one you suggested
to be *D. magnum*, but which ^{I would} rather
take to be a new species.

It will interest you to hear, that
your *Thurathallia hieroglyphica* turned
lately up here in an Orchid-impert
from Mexico and was sent to me
for detour's inspection.

In a day or two I will send you
some of my publications, that have
lately appeared. *Kroinalis*, monograph
of *Dendrobium* is supposed to come out
in about one week.

With best compliments

Yours sincerely
R. Schlechter.

Of *Dendrobium Westeri* Schl., a most distinct
species, I might be able to send you a bulb with
leaf, but I got only one flower.

November 21, 1910.

Dear dr. Schlechter: your letter of November 7th. has just come. I am sorry that there ^{were} not more desirable things among the specimens recently sent to you. I understood that you wanted West Indian orchids from different localities and on this account I included species which you might already possess.

I am glad to have your views regarding dendroaclidium venustum. You will see in my second volume of Orchidaceae that I suspected ~~that~~ there was close relationship between my species and your dendroaclidium microaclidium (See Page 87 where the combination d. microaclidium is properly made) I refrained from publishing my material under the name you gave as I could not make absolutely sure of the characters assigned in your description. Unless the species of Acrostidium are minutely described and figured it is quite impossible to identify them with certainty from literature.

I am doing what I can to help you with material of Primulaceae. As Wilson confined his attention to trees during his expedition to China it is not likely that much can be expected from his collections. The orchids ^{represent} a special effort for my benefit. If I succeed in supplying some of your desiderata I hope you will send me orchids in return, as I am not interested in other parts from the East.

I am very anxious to receive dr. Kraenzlin's monograph. It should give us a working basis, even if it is not exceptionally creditable.

I wish I could supply you with species of Pleurothallis, Stelis and kindred genera, but as a rule my material is not divisible, and usually consists of specimens submitted for identification. It is not unlikely, however, that I shall receive collections in the near future which will make exchange possible. When I do I shall of course keep you in mind and share specimens as far as possible.

I am pleased to know that you find my books useful. If you detect errors pray let me know of them.

Yours sincerely
Oakes Ames

November 23, 1910.

Dear Dr. Schlechter:

I have already written to a number of my friends in different parts of the country asking them to send me species of Primulaceae. I have every reason to believe that some of them will be able to supply some of your desiderata. Professor Sargent has not yet answered my letter regarding Chinese material, but I am sure he will do all he can to help.

In a few days I shall have a drawing of *Pogonia affinis* for you. If there are other species of which you want sketches please let me know as I shall be glad to help you in every way I can.

Yours sincerely,

Robert Wms

NOVEMBER 27, 1900

My dear Dr. Schlechter:

I am sorry to report that I have had very poor luck in securing for you specimens of Primulaceae. Prof. Sargent writes that Wilson collected no herbarium material of this group in China for the Arnold Arboretum and that the sets prepared in the earlier expeditions are preserved at Kew and Hamburg.

I expected to help you obtain specimens of several of your desiderata through Dr. Britton of the New York Botanical Garden, but he informs me that there are no duplicates. I have one more correspondent to hear from, but I am not anticipating favorable results. These negative results will not interest you, but they prove that I have at least made efforts to assist you in your work.

I have not yet received the material promised in your last letter.

Yours sincerely,

about to send out in the course
of January or February. I have just
finished numbering my New-Guinea-
plants, they are nearly 5000 numbers,
the bulk of which I wish to send among
thousands of duplicates.

I will of course reserve you a good
set and hope that somehow you
might be able to arrange to get
some things for exchange. I do not
care to sell these Orchid-duplicates,
but specially wish to enlarge my
Orchid-herbarium by exchange.

Besides Orchids I will take in
exchange any *Asclepiadaceae*, *Tri-
mulariaceae*, *Burmanniaceae* and
Trinidadiaceae. For other orders I do
not care.

You wrote to me, that there are some
duplicates of Wilson's Chinese Orchids.
I hope you will be kind enough to
put some of these aside for me.

I am very keen on any material
of from Central- or South-America,
as these countries are not well re-

BERLIN-SCHÖNEBERG

NEUE CULMSTR. 5A.

2. Dec. 1910.

Dear Mr. Ames:

Best thanks for your letter from
Nov. 21, which reached me to-day.
You will by this time have received
Kronkalinus Dendrobium-monograph,
and see what it is like. I'll have
muddled up the sections most fright-
fully and the species even worse.

I have just finished sorting out
some of my African duplicates and
will send you a set of them, as I do
not know what I have sent before
to you, but I am sure any of them
that may be duplicates for you, you
will easily be able to exchange
against other material, and I
rather like to send them as I am
sure you will find some inter-
esting things amongst them
at least.

The New-Guinea Orchids I will

presented in my herbarium.

I take cultivated specimens
from any of these orders.

You will understand how
much I am getting when I tell
you that since June of this
year I got about 5000 sheets
of Orchids mounted for my
Herbarium, which is, I am sure,
now the biggest private Orchid-
Herbarium in existence. Of
course I get quite a lot from
our gardeners here for determi-
nation, but besides through
exchange I have received a
great number from the extra-
European Herbaria.

By the way in my next par-
cel I will include for a num-
ber of Ceylon - Orchids. I had a
collector there for a few weeks,
but the results were in rather

bad proportions to the costs.

I am sure, we will be able to
help ourselves mutually in our
exchange too. I have good
relations to the old-world-
countries and can get Orchids
from there for you, whereas you
can perhaps get me New-World-
Orchids.

Yours sincerely

R. Schlechter.

NORTH EASTON , MASS.

DECEMBER 4, 1910.

My dear Dr. Schlechter:

The promised package of orchids has arrived and I take this opportunity to thank you for them most sincerely. Many of the species are additional to my collection and are on that account doubly welcome. I hope I can send you soon a good representation of West Indian material. I am sorry that you insist on holding me to exchange relations as I am wholly unable to secure material in sufficient quantity or of good enough quality to suit your conditions. Will you not entertain the thought of selling me a set of your orchids?

I have just received Dr. Kranzlin's monograph of *Dendrobium*. I have not yet put it to the test, but in several places I have detected errors which are unpardonable and in every way avoidable. His intimation that I am unacquainted with the section *Aporum* is based on animosity stimulated by my bitter attack on him after his violation of my confidence. When a man of science allows personal affairs to influence his conclusions regarding scientific matters he is in a realm of danger. I hope the monograph proves to be a valuable and trustworthy aid and that our fears for it are not well founded. I shall make it my duty to tabulate the errors I discover regarding Philippine *Dendrobiums* and I shall send you my list when it is completed.

I am very anxious to see the species of *Dendrochilum* which you have mentioned as a contribution to my herbarium.

Yours sincerely,



December 19th, 1910.

My dear Dr. Schlechter:-

Your letter of Dec. 9nd has just come. I have already written to say that Fr. Kraenzlin's monograph is at hand. I have found many inconsistencies in it which I am at a loss to explain. The species seem to be distributed among the sections in many cases with a total disregard of affinity, so that I feel it is rather a badly arranged catalogue than a well coordinated treatment. One can not depend on the keys and as the species are not always in their proper sections one can not search through the sections with a feeling of finality.

I note what you say about the size of your herbarium. You may be interested to know that my herbarium, excluding drawings and photographs of types, numbers over 12,000 specimens. My library which is devoted chiefly to literature on orchids is at present in excess of 8,000 volumes.

It is my intention to arrange for an expedition to Central America and if I am successful I shall be in a position to send you material sometime in the future. I am also contemplating an expedition to Borneo. As a result I ought to be able to secure some of your duplicates by exchange before very long.

Yours sincerely,

Carl Simon

18. Febr. 1911.

hand. As he has a very strong personal feeling against me as his rival here in Berlin, he has tried to reduce as many of my species as possible without seeing even material, and I am convinced, often perhaps against his own conviction. The man really ought not to be allowed to meddle any more with Ichthyology and I wish somebody should criticize his monograph in a way, that every body would feel convinced about its uselessness.

Now he is trying to mix up all the *Bracon* and from the determinations I have seen all ready he will succeed very well.

Please let me know what number

Dear Mr. Stiles!

Shortly I will be able to send you the first installment of New-Guinea-Ichthids, which are going to be distributed as I go on describing and working up the materials. I hope you do not forget me in trying to get me some American material, especially from the West-Indies and so on.

As to *Urotrichina*, Monograph of *Dendrobium*, it is about the worst work of this kind about I have ever got into my

two of my "Orchidaceae" notes
at critical ~~you~~ or any of my
other Orchid-publications
you have not ~~got~~ yet. I will
then send them to you.

I will shortly send you
a number of some remarks
respecting some Philippine-
Orchids, perhaps they may be
of use to you.

With best compliments

Yours sincerely
Ferd. Schlechter.

October 8th, 1911.

My dear Dr. Schlechter:

You must excuse me for having remained silent for such a long time. Beginning in February I had a task to perform which necessitated unusual concentration on subjects outside the realms of botany and it is only now that I feel that I can again take up the threads of botanical work and discharge my obligations to you and to other good people. Some time ago I promised to prepare for you a drawing of Fogonia affinis. In a few days from now I shall have this ready for you. My own specimen is a fruiting one collected in 1861 by Austin. This species is one of the rarest of New England orchids and I fear that I shall be unable to procure material for you until some collector finds duplicates.

I have not yet received the specimens promised in your letter of December 2nd, 1910, but I suppose you have been too busy to attend to me. I can offer in exchange one of the sets of duplicates from the Philippines which Mr. Weber is preparing for me. I can also send you a duplicate set of Wather Vanoverbergh's orchids which he is collecting for me in Bontoc Subprovince, Luzon. Vanoverbergh's material is beautifully prepared and I think you will welcome it. Undoubtedly some of the species will be duplicates of those which you have already received in exchange from the Bureau of Science, but I am sure you will be willing to take chances on the understanding that the material is unusually good and very sure to supplement in a desirable manner the collections which you already have. As both the Vanoverbergh and Weber are collecting orchids specially for me and as I am making up sets of the specimens they send in I think it will be to your advantage to set aside for me some of your desirable duplicates. Weber is collecting where ever the prospects are good and is in a general way under the supervision of Mr. Merrill. This is the first time that collectors have spent special attention to Orchidaceae since the American occupation of the Philippines. The distributions from the Bureau of Science have simply included orchids which were picked up in an off hand manner. The Weber and Vanoverbergh material is wholly at my disposal. I expect in a short time to have collector in the West Indies and in tropical America.

Are you going to send me Die Orchideen von Neu-Guinea? I wish you would keep me supplied with separates of your orchid publications. I am always glad to send you my humble contributions.

Hoping to receive a package from you very soon,
Yours sincerely,

B: I feel that the Philippine orchids I offer you will be acceptable when I assure you that the distributions from the Bureau of Science were limited in the duplicates of this group. A large per cent of the orchids were not collected in duplicate, and in many cases his specimens only. Ordinarily, in such cases, the only duplicate remains with me. (A)

18. Oct. 1911.

The plants grow and so on.

The second part has appeared now too and the third is in print.

When do you expect to bring out again a new volume of your *Orchidaceae*? I expect there will be again heaps of your novelties. By the way, often I see that you identify Philippine species with Japanese. I am sure, in most cases you will see, that after all they are distinct. I am afraid often your comparing material is not good or wanting. If you have any doubtful ones I will gladly help a little. You will have seen that in a few cases I have already corrected the things, that is to say, as far

My dear Dr. Ames!

Many thanks for your kind letter which I received yesterday. I feel my self quite guilty for not having written to you for such a long time, but really I was my self overburdened with work and then for nearly three months have been away from Berlin, partly in London and Paris and partly for recreation on the seaside.

I am afraid now, that I have made a mistake with the *Yuna* from *Orchids*, which I wanted to send to you. By my correspondence I see now that I have sent twice this lot to Mr. Merrill. I was under the impression that I had

sent them off to you and not
yet to Mr. Merrill. So if you
will write to Mr. Merrill about
it, if you should not have re-
ceived them yet (I mean the
set of Guianese Orchids) I am
sure he will let you have these
as they will be duplicates for
them, and he is sure to get
any amount of others yet from
me.

I will shortly distribute my
Celebes-Orchids and will then send
you one of the best sets. In re-
turn I will gladly receive
any of the Philippine Orchids
you offered me from Weber's and
Father Vanoverbergh's collecting.
Of course I will be very anxious
not to get any Central or Tropical

American Orchids. Do not forget
please too, that I am always
desirous to get Strepitaceae
and Primulaceae, if ever you
get a chance to get anything
in that line for me.

Of course you will get a copy
of my "Orchideen von Deutsch-West-
Guinea" but I would be very
thankful if you would review
the book in one or two of the
chief American botanical and
gardening journals. We are very
badly in need of subscribers and
perhaps you may be able to help
me there a little by recommending
the work. It will be useful to
gardeners too, because I have
given lots of notes about the
natural conditions under which

as my opinion goes.

What about the Chinese Orchids of Wilson? I think you had some novelties there too and you would about a few duplicates for me. I got some interesting South-American things lately, but unfortunately no duplicates except perhaps in a very few cases.

I have described lately several hundreds of new Orchids and only wish I could see an end to the novelties coming in. Some times one is glad to get hold again of a little known species of Plicatula; like for instance I got the other day *Plicatula*

and uncrushed. A few days ago
I got two or three inflorescences
of *Crotalaria integriflora*,
said to have been imported
from Honduras, do you know
this plant?

As to exchange generally
you can expect from me yet
quite heaps of material, only
I must get first through a cer-
tain amount of work to find
the time for their distribution.

Hoping to hear soon from
you again

Very sincerely Yours

R. Schlechter.

16. March 1912.

Indision - Orchids, especially from
Santo-Domingo, since Bogunius
has given up this group to
me.

As for Dept I. of my Orch. von
S. Sch. Men-Guin. I have spoken
to Fiedle, have you now receiv-
ed it? If not please let me
know.

With best compliments

Yours sincerely

R. Schlechter.

My dear Mr. Vokes & me!

You must excuse my having
been silent for such a long time.
Work and work again has been
my occupation as you will have
seen by the numbers of my publi-
cations.

You wrote to me about the
Chinese - Orchids, which Wilson
collected for you, and asked if
I were willing to publish these
jointly with you. As I am pretty
well versed in the Orchids of

These regions I will gladly accept
your offer. Perhaps you will
send me or duplicate set which
I might keep and besides the
unique specimens (marked to be
returned) If there are any
novelties perhaps you would
prefer to figure them in your
Orchidaceae. At the same time
I am sending you my publica-
tion on *Ferretia* & *Chino-Orchids*.
I have about one more decade
of novelties ready from China.

Perhaps it will interest you
that at least *Epidendrum* ^{grows}
from *Holl.* (Mexico) has *Arund.*

up again. I have just living
specimens before me on my writ-
ing-table

I have not yet had time to
start with the distribution of
my New-Guinea-Orchids, but
will do so as soon as I can
all my way a little clearer
with the work. There is such
an amount of material com-
ing in from old parts, that
it tortles all my time to get
through it. Happily enough
the more species one has for com-
paring the quicker it goes.
I am now working on West-

you a parcel of Celebes-Orchids,
I hope you have received these,
I saw your last paper on some
Philippine Orchids in the Philipp.
Journal of Science. Could you
send me a copy of it? Have
you regularly now received
my "Orchideen von Deutsch-West-
Guinea"? Dr. Fedde seems to have
been rather irregular in sending
the parts out. Seven have appeared
already and the eighth will
come out on the first of October.
What do you think of it?
Have you seen my last divi-
sion of *Dendrobium*? I had
to criticize Prof. Kraehenbuehl rather
severely, but it is incredible

BERLIN-SCHÖNEBERG
NEUE CULMSTR. 5A.

Majorenhofstr. Riga
27. Aug. 1912.

Dear Mr. Ames:

It is some time ago, since I have
heard last of you and Tom rather
in debt ~~for~~ you in the way of
appreciation, but I have laid aside
for you a number of them and
will send them off when I will
be back in Berlin in a week or
two from here, where Tom stays
with my family for a recreation.
Your last letters, I have, as far
as I can remember, all answered
and some months ago I sent

London Northwick & Exhibition

I have every next to meet you on the

At present to get some larger collection from South America through your car and Barnes to go through. Besides Prof. Urban has asked me to do in future his West-Indian ones since Cogniaux has given up Orchids and generally transferred every thing to me.

I would be glad if you would keep in mind the list of North American Trimaliaceae-desiderata which I have sent to you some time ago.

Hoping to hear from you again some day, I am with best compliments

Yours sincerely
R. Schlechter.

how superficially his monograph is done.

I always had hoped to be able to start with the distribution of my New-Guinea-Orchids, but my time was so fully occupied with publishing work, that as yet I did not come to them. But I expect a little more leisure during the winter months.

Have you received of late any more interesting collections? I am rather curious on your publication of Chinese Orchids. I have lately done some work on the Forrest-collection from Yunnan.

I'd have a paper on collection of plants of Yunnan? Should you care to exchange your paper on plants of Yunnan?

Copy

September 8, 1912.

My dear Dr. Schlecher:

Your letter of 27th August is at hand. It is good to hear from you again and to know that you are very busy with useful and creditable work. Before everything else I must thank you for a most welcome set of Celebes orchids. On the arrival of this set I intended, on receiving an explanatory letter to write to you, but as the letter did not come, I postponed thanks, until now they must seem inordinately late. I have been setting aside for you a set of Philippine orchids. The specimens which are now named I shall send along very soon. Mr. Weber did not do very well for me, but from other collectors I have good material which you may find useful. Father Vanoverbergh is, I believe, collecting in a new locality, so that to his set it is probable that many good things will be added.

I have just returned from a vacation and just as soon as I can get settled down, I intend to take up my work energetically.

There has been some irregularity in the distribution of your publications on New Guinea, consequently I lack several parts. At the end of this letter I will give you a list of the parts now needed to complete my set. I am very favorably impressed with your treatment of this New Guinea region, although I must confess that I am sometimes amazed at the boldness of your modifications. The man who has studied a group in the field has a great advantage over one who is forced to depend on herbarium specimens.

You refer again to the Chinese orchids which Wilson collected for me. I have as yet done nothing with them, and I fear some months must pass before I can get at them. If you are working on Chinese orchids I shall be pleased to let you have a set of duplicates now of the Wilson collection, unnamed, and if you wish it, we might publish jointly anything that is new. Let me hear from you regarding this matter. Of course I do not know that there are any new species in Wilson's collection.

Regarding Primulaceae: I tried all my friends, but none of them had a scrap which would supply deficiencies in your list. I will try again, and perhaps meet with better results. I believe I wrote to you that Wilson secured nothing in China for the Arnold Arboretum which seemed likely to interest you.

I will look up my papers in the Philippine Journal of Science and send on everything which you lack.

I am sorry that Prof. Cogniaux has decided to give up his work on orchids. I have always had the highest admiration for his views. That you are to continue where he left off is good news. You will now undoubtedly have things pretty much under your control on the continent. Please keep me well supplied with your reprints!

Why do you not contribute to Engler's Pflanzenreich? I dislike very much to find fault with Kranzlin, but I can not understand why he is chosen to do critical monographic work. The monograph on Dendrobium is most disappointing! If Kranzlin is to set the standard for orchidology in your country posterity

will have good cause to wonder.

If I can find a photograph I will send it to you.

I was sorry that I could not get on to the International Horticultural Exhibition. Important business kept me at home.

On May 23 somebody called me to the telephone saying that Dr. Goldschmidt of Berlin had a letter of introduction from you and that he wanted to see my greenhouses. I was sorry to be obliged to say that I gave my orchid collection to the New York Botanical Garden and that my greenhouses had been demolished. I suggested that the collection of E. B. Dane near Boston would interest Dr. Goldschmidt, and I would have liked very much to have taken him there, in fact to do anything I could to make his visit interesting, but no address was given to me and I did not hear from Dr. Goldschmidt again.

Thanking you again for the Celebes orchids.

Yours sincerely,

Oakes Ames

April 3, 1913.

My dear Dr. Schlechter:

Under separate cover I am sending to you to-day one hundred Philippine orchids. I am sorry that the same species occurs more than once in several cases, but I have sent complete representations of Vanoverbergh's and Webers collections so far as these are ready for distribution. You will remember that I promised complete sets without regard to duplication or to the more common species. I am also sorry that I am unable to send to you a larger number of specimens at this time, but I have been so busy with outside work that I have been obliged to give up every effort to finish my studies on the different collections from which you are eventually to receive duplicates. I am already at work on another package for you which I will send on just as soon as it is big enough to be worth your attention. Undoubtedly there will be additions to your herbarium in some of the later packages if the present one is disappointing. At least the quality of the specimens is above the average.

From Wenzel who is collecting in Leyte I am receiving some interesting material and as Vanoverbergh has removed to another province in Luzon we may expect something new from him. I think Vanoverbergh is a good collector, and when he has had more experience I feel sure that he will give us very satisfactory results.

Please send me some of your material as soon as convenient. In the meantime I will do my best to supply you with another package equal to the one now on its way to you.

I intend to get out my Chinese material in a short time and I will send to you as complete a set as possible under the XMM terms expressed in you last letter just received.

Mrs. Ames has promised to make a drawing for you from the type of *Pogonia affinis* and I will send it along just as soon as she has finished it. I have had the borrowed specimen here for nearly a year , but always something has turned up to cause delay.

The last package of specimens you sent was most welcome.

Yours sincerely,

185 sending to Schlechter.
100⁹⁷ numbers.

Sent to Berlin April 3, 1913

1	<i>Grammatophyllum Measurisianum</i>	Weber	598
2	<i>Oberonia apocrophylla</i>	Vanoverburgh	1474
3	<i>Phreatia Vanoverburghii</i>	"	1493
4	<i>Dendrochilum tenue</i>	"	1726
5	<i>Cestichis benguetensis</i>	"	1492a
6	<i>Eria ventricosa</i>	"	1520
7	<i>Dendrochilum Weberi</i>	Weber	59
8	<i>Thelymitra javanica</i>	Vanoverburgh	1357 ✓
9	<i>Dendrobium Vanoverburghii</i> nsp.	"	1345 ✓
10	<i>Liparis Forbesii</i>	"	1387 ✓
11	<i>Malaxis quadriloba</i>	"	1348 ✓
12	<i>Eria bontocensis</i>	"	1356 ✓
13	" <i>Elmeri</i>	"	1368 ✓
14	<i>Polystachya luteola</i>	"	1332 ✓
15	<i>Ceratostylis lugensis Philippinensis</i>	"	1365 ✓
16	<i>Habenaria bracteata</i>	"	1359 ✓
17	<i>Spathoglottis lomentosa</i>	Weber	50 ✓
18	<i>Cestichis nutans</i>	"	70 ✓
19	" <i>Merrillii</i>	"	25 ✓
20	<i>Bulbophyllum vagans</i>	"	30 ✓
21	<i>Ceratostylis subulata</i>	"	24 ✓
22	<i>Coelogyne sparsa</i>	"	16 ✓
	<i>Cestichis Merrillii</i>	"	2 ✓
23	<i>Dendrobium Bonapartei</i>	"	109 ✓
	"	"	13 ✓
	"	"	55 ✓
24	<i>Coelogyne asperata</i>	"	14 ✓
25	<i>Dendrochilum latifolium</i>	"	116 ✓
26	<i>Dendrobium revolutum</i>	"	22 ✓
27	<i>Dendrochilum pumilum</i>	"	107 ✓
28	<i>Dendrob. revolutum</i>	"	31 ✓
29	" <i>spurium</i>	"	18 ✓
30	<i>Dendrochilum tenellum</i>	"	20 ✓
31	<i>Cestichis Philippinensis</i>	Vanoverburgh	1115 ✓
	<i>Phreatia Vanoverburghii</i>	"	9 ✓
32	<i>Dendrobium Ramosii</i>	"	110 ✓
33	<i>Spathoglottis plicata</i>	"	959 ✓
34	<i>Habenaria petrioides</i>	"	1064 ✓
	<i>Dendrochilum tenellum</i>	"	1017 ✓
35	<i>Dendrochilum macrochilum</i>	"	1244 ✓
	<i>Cestichis Merrillii</i>	"	1239 ✓
36	<i>Habenaria falconaria</i>	"	1197 ✓
	<i>Coelogyne sparsa</i>	"	✓

37	<i>Eulophia exaltata</i>	Vanoverburghi	1261	✓
		"	1291	✓
38	<i>Cestichus benguetensis</i>	"	1186	✓
39	<i>Papilionopodium Angus</i>	"	1114	✓
40	<i>Dendrobium lutescens</i>	"	1212	✓
41	<i>Dendrobium Cobbanum</i>	"	1112	✓
	<i>Spathoglottis laninata</i>	"	1102	✓
42	<i>Pachystoma puberens</i>	"	1105	✓
	<i>Spathoglottis plicata</i>	"	1190	✓
43	<i>Eulophia squarida</i>	"	1203	✓
44	<i>Acanthophippium Montinianum</i>	"	1320	✓
45	<i>Habenaria Capelandii</i>	"	1211	✓
46	<i>Spathoglottis chrysantha</i>	"	1302	✓
47	<i>Hemimium angustifolium</i>	"	1228	✓
48	<i>Calanthe triplicata</i>	"	1109	✓
	<i>Spathoglottis laninata</i>	"	1289	✓
49	<i>Phreatia sulcata</i>	"	1288	✓
50	<i>Phajus linearifolius</i>	"	1269	✓
51	<i>Spiranthes sinensis</i>	"	1867	✓
52	<i>Bulbophyllum Vanoverburghii</i> n. sp.	"	1358	✓
53	<i>Bulbophyllum adenopetalum</i>	"	1263	✓
54	<i>Dendrobium Sanderae</i>	"	407	✓
55	<i>Oberonia cylindrica</i>	"	378	✓
	<i>Spathoglottis chrysantha</i>	"	1290a	✓
56	<i>Phreatia myosum</i>	"	1290	✓
57	" <i>caeruleum</i>	"	1351	✓
58	<i>Malaxis latifolia</i>	"	1347	✓
59	<i>Pis Vanoverburghii</i>	"	1362	✓
60	<i>Phalidota umblicata</i>	"	1049	✓
61	<i>Acanastylis Elmeri</i>	"	1356	✓
62	<i>Mercuris unifolia</i>	"	1188	✓
63	<i>Eulophia Vanoverburghii</i>	"	1110	✓
64	<i>Ternia Elmeri</i>	"	1390	✓
65	<i>Ceratostylis ramosa</i>	"	1480	✓
66	<i>Habenaria lisata</i>	"	1479	✓
	<i>Mercuris unifolia</i>	"	1478	✓
	<i>Liparis Forbesii</i>	"	1488	✓
	<i>Dendrobium fumellum</i>	"	1487	✓
	<i>Phreatia caeruleum</i>	"	1490	✓
66	<i>Acanastylis Vanoverburghii</i>	"	1491	✓
	<i>Ceratostylis philippinum</i>	"	1472	✓
	<i>Hemimium angustifolium</i>	"	1533	✓
67	<i>Dendrobium longipicatum</i>			

	<i>Calanthe hirsuta</i>	Vanavabungh	1532	✓
68	<i>Habenaria linguata</i>	"	1525	✓
	" <i>filicoides</i>	"	1541	✓
	<i>Dendrochilum tenellum</i>	"	2220	✓
69	<i>Calanthe Elmeri</i>	"	2210	✓
	<i>Pachystoma pulchrum</i>	"	2435	✓
	<i>Dendrob. tuberculatum</i>	"	2421	✓
70	<i>Dendrochilum philippinense</i>	"	2420	✓
	<i>Spathoglottis plicata</i>	"	1714	✓
	<i>Dendrobium Romanii</i>	"	1715	✓
	<i>Spathoglottis lamellata</i>	"	2106	✓
71	<i>Papilionopetalum Haynaldianum</i>	"	1786	✓
72	<i>Dendrochilum glumaceum</i>	"	1521	✓
	" <i>longispicatum</i>	"	1729	✓
	den " <i>glumaceum</i>	"	1790	✓
73	<i>Phajus calanthoides</i>	"	1727	✓

16

16
42
111

99.

September 20, 13

Dear Dr. Schlechter:

On April 3d I sent to your address one hundred specimens of Philippine orchids. As I have not heard from you of the safe arrival of these specimens and as no reply has reached me in answer to my letter of April 3d, I feel worried to think that neither my package nor my letter came to you safely.

I have set aside for you another set of one hundred specimens. In every case I have tried to save for you duplicate material of the novelties I have recently described. I can promise you some interesting duplicates from now on as Mr. Wenzel seems to have found a rich field in Leyte.

Let me hear from you at your convenience. If you can find time to supply me with some of your good things I shall be delighted. I need all the material available from the eastern tropics as I am constantly anxious to make my comparisons as exhaustive as possible.

Yours sincerely,

October 29th, 1913

Dear Dr. Schlechter:

Under separate cover I am sending to you a sketch of Pogonia affinis. I trust that this will reach you in good condition and prove of some use to you. This sketch is from the type in the Gray Herbarium.

In exchange for this sketch can you not send me a habital drawing of your Saccolabium sarcochiloides? I also want a sketch of your Podochilus Cumingii.

What do you know about Saccolabium pumilo Reichb. f. Cleisostoma ringens Reichb. f. C. subviolaceum Reichb. f., C. vitellinum Reichb. f. and Sarcanthus striolatus Reichb. f? These are species which have perplexed me very much and of which I have been unable to locate any authentic material. If you can help me in any way to an understanding of these Philippine species I shall be more than obliged to you.

What has happened to you. I note that you are busy publishing your studies, but I want to hear from you. I also want to receive some good material for my herbarium. I am constantly putting aside specimens for you and I have nearly two hundred ready to forward to your address.

One last demand: What can you tell me about Cleisostoma chrysochilum Kranzl. If the type is available could you make a tracing for me which would help me to locate the species among the numerous Sarcantinae-Aerideae in my files of undetermined Philippine orchids?

Hoping very much to hear from you soon,
Yours sincerely,

OAKES AMES, DIRECTOR.

BOTANIC GARDEN OF HARVARD UNIVERSITY,
CAMBRIDGE, MASS. U.S.A.

November 5, 1913.

Dear Dr. Schlechter:

I am perplexed by a series of Philippine Dendrobium^s which appear to approach your D. Usteri. Can you find time to prepare for me a tracing of your type specimens and, if not too much to ask, a drawing of a labellum? In the absence of authentic material and with only a description to assist in determination I feel that nothing can be done without your aid. I am holding my material for a paper which I intend to publish this winter so that any haste you can make in complying with my request will be regarded an unusual favor.

Yours sincerely,

(Signed) Oakes Ames

December 30, 1913.

My dear Dr. Schlechter:

Your good letter with the sketch and pseudobulb of Dendrobium Usteri brought me much pleasure. Please accept my sincere thanks for your thoughtfulness. What you say about Kränzlin is very hard to believe. That a man who has been schooled in the ethics of natural science should be so careless, especially a man of your country, surprises me. The story is told of one of our professors who, when confronted with perplexing intergrading forms which upset his theories and taxonomic keys, threw them out at the window saying "That is how we dispose of those." But to throw away specimens which should be preserved as types for the instruction of the struggling students of the future is to commit a scientific crime. We all make mistakes either through oversight or errors of judgement, but to deprive the world of the evidence against us is to admit that we care more for ourselves than for science. Pray help me if you can to secure fragments from the plants in cultivation which you know represent the types of Kränzlin's new species. I would do as much for you if the opportunity were here.

I have had in mind a letter to you regarding several homonyms which you have created in your New Guinea flora. In several genera you have among your new species used the same name twice. Perhaps you have become aware of this after seeing the printed pages, but if you have not noticed the duplications to which I refer I can have my assistant seek for them and prepare a list for you.

I am sorry that you find it necessary through pressure of work to delay the distribution of your duplicates. I need every scrap you can spare and you can not imagine how eager I am to receive the additions to my herbarium which you have promised. The other day I put in my fumigating box at least two hundred specimens which are destined for your herbarium. I shall forward these shortly after the holidays together with my Chinese orchids which you have asked to see, and duplicates of which you are to retain. I have described many new Philippine species since early autumn and in almost every case I was able to set aside a duplicate for you. Pray hasten your distribution for my sake. I know how taxing on time and patience it is to write labels and keep details straight, but we ought not to forget how important it is that co-workers should have a continual influx of material representing our views as to new species and our interpretations as to old ones. In America we are doing all in our power to assemble working collections of the great plant groups, but we are pathetically behind Europe in our herbaria of the Orchidaceae.

I have your New Guinea work complete as far as it has appeared. That is I have parts 1--10. Or to be more exact I have 800 pages of volume one. Do you not intend to publish a lucid key to unlock this monumental work? Unless you give us a key I am afraid we shall be more often perplexed than aided by your very full and detailed descriptions. It would be, indeed, a most helpful law if at some future botanical congress a rule could be made invalidating any description of a new species not accompanied by an analytical drawing. I see the end of my paper appearing and as I have already said too much I will close.

Very faithfully yours
Arthur Cronquist

December 31, 1913.

Dear Dr. Schlechter:

I made up my mind this morning that the New Year would not find me delaying further with the Chinese orchids and, if no unforeseen obstacle prevents, 116 sheets of mounted material and 19 unmounted duplicates will be on their way to Berlin to-morrow. Among the mounted specimens I have marked several from which you are to remove specimens for your herbarium. There are nine in all, making a total of 28 duplicates for your herbarium. Should any of the mounted specimens prove to be new and no duplicates indicated I shall be glad on the return of the sheets to divide with you where there is an opportunity to remove plants or fragments. This I feel sure you will consider more than fair.

Wilson 42 mounted sheets.

" 19 unmounted duplicates.

Maire 15 mounted sheets.

Henry 54 " "

Prazer 1 " "

Ford 1 " "

Faber 1 " "

McGregor 2 mounted sheets.

For your guidance I have prepared the list which appears above. I want you to determine the species as promptly as possible. If there are any novelties I can publish them here if you do not wish to bother with writing. Let me know your wishes in the matter and I shall be pleased to cooperate with you.

I have added one Philippine orchid to the packages. Will you kindly look at this and let me hear from you your opinion of its generic status. The species is new, as I now regard it, but, I have not decided definitively as to its generic rank. Some time ago you kindly suggested that you would be pleased to give me your assistance. Here is an opportunity for you to do me a great favor. As I want to include this species in a new fascicle of Orchidaceae which is about ready for the press I am going to ask you to give me on the receipt of the specimen your undivided attention long enough to send me your opinion by return mail. With the hope that you may be saved the trouble of boiling out a flower I have included a camera lucida sketch for your use.

I want to say before closing that I have not attempted to identify any of the Chinese orchids nor to verify the names which you will find on the labels. Many of the specimens look familiar, but I have not examined them with the intention of determining their names. Undoubtedly you will find many of the species old friends. Some of the Wilson material from very high altitudes may be new.

Yours faithfully,

MANY GOOD WISHES FOR A SUCCESSFUL NEW YEAR.

Specimen of Wenzel 210 from Leyte is
the Philippine orchid mentioned above. = Adenostyles Wenzelii Ames

Sent Schlechter (~~Wilson~~)

Menzel 210 (for his report)

list of Dupl. sent.

Wilson 1780

1777

1748

1750

1754

1773

1772

1776

1778

1779

1768 A

1768

1765

1764

1762

1761

1751

1754

1770

4 Packages sent by mail
to R. Schlechter January 1, 1914.
See next page for count and
verification of count. 136
specimens made up as follows,
116 mounted sheets 20 unmounted
duplicates, and one camera
lucida drawing.
(A)

19 Wilson duplicate
1 Philippine

40
53
- 13

111

Received July 15.
Man 1
Wilson 40,
Henry 53
Madge 2
Prager 1
Faul 1
Finn 1

113

Wilson p.m.	(Anas hb. 11534V)
Macgregor s.m.	(" " 12284)
" s.m.	(" " 12283)
Wilson 1783	(" " 11501V)
" 1782	(" " 11499V)
" 1771	— 11528V
" 1784	— 11506V
" 1766	— 11568V
" 1765	— 11567V
" 4718	—
" 1758	— 11580V
" 1755	— 11554V
" 1757	— 11551V
" 1756	— 11549V
" 1759	— 11583V
" 1615	— 11542V
" 1614	— 11541V
" 1785	— 11519V
" 1786	— 11518V
" 1787	— 11517V
" 4713	— 14323V
" 1443	— 14322V
" 4709	— 14321V
" 4710	— 14320V
" 4711	— 14319V
" 4712	— 14318V
" 4713	— 14317V

Int'd spec.
sent to

R. Schlechter

Checked by OC
410

OK ~~Macgregor~~ 2 ✓
Wilson 42 ✓
OK ~~Anas~~ 15 ✓
~~Frazer~~ 10 ✓
OK ~~Frazer~~ 1 ✓
OK ~~Frazer~~ 1 ✓
Henry 59 ✓ 53

Number 106
duplicates 20 ✓
Total ~~Number~~ 136 ✓
A's count.

verified — *[Signature]*
OK

116 sheets
①

Wilson	Ames
4713.A	14316 ✓
" 4714	" 14315 ✓
" 4715	" 14314 ✓
" 4716	" 14313 ✓
" 4717	" 14312 ✓
" 4722	" 14311 ✓
" 4721	" 14310 ✓
" 4720	" 14309 ✓
" 4719	" 14308 ✓
" 4718	" 14307 ✓
" 1774	" 11516 ✓
" 1613	" 11540 ✓
" 1763	" 11558 ✓
" 1767	" 11569 ✓
" 1752	" 11553 ✓
" 1760	" 11584 ✓
" 1775	" 11529 ✓
" 1781	" 11497 ✓

42

Maire	942	—	Ames	135-22
"	935	—	"	135-23
"	71	—	"	135-24
"	37	—	"	135-25
"	2622	—	"	135-27
"	38	—	"	135-28
"	2620	—	"	135-29
"	2616	—	"	135-30
"	2375	—	"	135-31
"	1678	—	"	135-32
"	1680	—	"	135-33
"	1677	—	"	135-18
"	1672	—	"	135-19
"	1671	—	"	135-20
"	1662	—	"	135-21
			"	135-26
Prager	102	—	"	10807
Ford	s.n.	—	"	10806
Faber	s.n.	—	"	

15

Henry	Ames hb.
13066	10796 ✓
" 12284 ^A	" 10797 ✓
" 12300	" 10798 ✓
" 13052	" 10799 ✓
" 12286 ^A	" 10800 ✓
" 12086	" 10801 ✓
" 13051	" 10802 ✓
" 11122 ^A	" 10803 ✓
" 10612	" 10804 ✓
" 1211	" 10805 ✓
" 12241	" 10780 ✓
" 12225	" 10781 ✓
" 11099	" 10782 ✓
" 12534 ^A	" 10783 ✓
" 12383	" 10784 ✓
" 12383	" 10785 ✓
" 12640 ^A	" 10786 ✓
" 12640 ^C	" 10787 ✓
" 12960 ^B	" 10788 ✓
" 12751 ^A	" 10789 ✓
" 12966	" 10790 ✓
" 12966	" 10791 ✓
" 12973 ^C	" 10792 ✓
" 13545	" 10793 ✓
" 13581	" 10794 ✓
" 11813	" 10795 ✓
" 11092	" 10752 ✓
" 11127 ^B	" 10753 ✓
" 11095	" 10754 ✓
" 11104 ^A	" 10755 ✓
" 11104 ^A	" 10756 ✓

Henry	11, 111	—	Armes	10 7 5 7	✓
"	11, 120	—	"	10 7 5 8	✓
"	11, 264	—	"	10 7 5 9	✓
"	11, 121	—	"	10 7 6 0	✓
"	11, 118 A	—	"	10 7 6 1	✓
"	11, 091	—	"	10 7 6 2	✓
"	11, 126	—	"	10 7 6 3	✓
"	11, 109	—	"	10 7 6 4	✓
"	11, 105 A	—	"	10 7 6 5	✓
"	11, 108	—	"	10 7 6 6	✓
"	11, 792 A	—	"	10 7 6 7	✓
"	11, 102	—	"	10 7 6 8	
"	11 804 A	—	"	10 7 6 9	✓
"	11 119	—	"	10 7 7 0	✓
"	11, 113	—	"	10 7 7 1	✓
"	11 820	—	"	10 7 7 2	✓
"	12 803 A	—	"	10 7 7 3	✓
"	12 081	—	"	10 7 7 4	✓
"	12 080 A	—	"	10 7 7 5	✓
"	12 213	—	"	10 7 7 6	✓
"	12 198	—	"	10 7 7 7	✓
"	12 102	—	"	10 7 7 8	✓
"	12 383	—	"	10 7 7 9	✓



2/5

Jan. 28th 1914.

Dear Dr. Ames:

The Philippine Orchid on which you wished to hear my opinion, Wenzel No. 210, I would regard as a species of *Renxine*. It ~~is~~ is a new one well characterized by its large flowers and stands near my *R. elatior* and *R. argentea*, both from New-Guinea. It should go in

The section Hono-
chilus. On the
other plants I
hope to be able
to report soon
with best compli-
ments yours sin-
cerely R. Schlechter.

Postkarte

BERLIN
* 6-7N t
35

NOV 12 36
1911
MAY 11

260 Beacon

Boston

U.S. Postal Service

The American Botanical
Institute

Waltham - Boston, Mass.

Dr. Hermann von
Walters - America

BERLIN-SCHÖNEBERG
NEUE CULMSTR. 5 A.

10. Mai 1914.

how well it is illustrated.

As to my work on the New-Guinea-Orchids, I hope you have received now all the 14 parts?

With this the volume is finished. Would you be kind enough to write a review on it in one of the leading American botanical periodicals, and if you could get us some more subscribers we would be indeed very thankful, because at present, besides the work I have done, I have yet to pay a good amount for the printing.

As soon as I see, that we can come out well with it, I wish

My dear Mr. Ames!

You must really pardon me, when I seem to have been a lazy letter-writer of late, but the different publications, that I have brought out, will show you that I have not been actually lazy. I am sending you now the first part of a work on Orchids, which started to appear when I had finished my Orchids of New Guinea. I hope it will give you pleasure to see

to publish the figures of the
analyses of the different species.
But the world cannot well ex-
pect from me, that I am going
to ruin myself by bringing
out costly publications where
I have to pay myself for each
volume.

The new Orchid-book, called
"Die Orchideen" is going to
appear now in 10 parts (monthly
one). In this book I have
given my ideas of the Orchid-
system and in it I have
mentioned systematically
every genus known until
the end of the last year (1913).

I can hardly call the system my
system, it is, so to say, Hitchcock's
system more carried out (or rather
some of his errors I have tried to
rectify, so far as my experience
has caused me to think proper).

If all goes well, I hope to be
able to start with the distribu-
tion of my New-Guinea-Orchid-dupli-
cates in the course of this summer or
autumn. I will reserve you a very
good set, but I hope to get really
decent things in return.

With best compliments

Yours truly

R. Schlechter.

Schriftleitung der „Orchis“

Berlin - Schöneberg

Neue Culmstr. 5a

den 31. Aug. 1919

Dear Dr. Ames:

At last there is chance again to communi-
cate with foreign countries and so I will take the
chance, to try to send you a letter.

As you will remember, I have still a lot of your
Chinese Orchids here. The whole collection is now
worked up and a number of novelties I have pub-
lished under our combined authorship, as it was
agreed to, when you sent me the collections. I have
myself a large bulk of Eastern-Asiatic material
and as the literature on the subject is very
much spread, I have found myself induced to re-
view all the Eastern-Orchid-flora. The result was
the publication of my „Orchidologie Sino-Japanische
Protondis“, in which I have given a critical study
of all the Orchids known from China, Japan, Formosa,
Korea etc. It has come out in the middle of June,
(220 pages) and contains a lot of new species, amongst
them those that I got from you and bear our united
names. ~~During its own as I hear, that this~~

Schriftleitung der „Orchis“

Berlin - Schöneberg

Neue Culmstr. 5a

den.....

tion of all the Orchids until now known from
 there (a number of new species I have collected) and
 remarks on the features of the Orchid-flora. I have
 found that such compilations are of the greatest
 use and especially for the South American States -
 states they were very badly needed. As I said the
 compilation for Venezuela is in print. For Colombia
 Ecuador, Peru and Bolivia the manuscripts are
 finished too and are going to be printed in
 the course of the next months. This work has
 very considerably widened my ^{knowledge} ~~view~~ of
 certain types, the more so, as I have used the
 chances to study enormous materials more
 closely. For instance, I have made during the
 last two years exact analytical drawings of
 about 4000 different species of Orchids, and
 doubly new ones are going to be added to this
 number. If you see, I have used my time as
 much as possible. The chief work, that I have
 done is of a preparatory kind, but although

The great work is going to arrive from it yet, I have been conferring to my collection of drawings daily. Very much advantage I have had too from a catalogue with complete synonymy of all Orchids, that I have started some years ago and expect to be able to publish in the near future.

After the publication of the pre-arrangements of the Andes-studies we will have a first knowledge of the distribution of the different types, the more so, as I have been making remarks in the general part of each on the distribution of the species and the affinities of each flora.

My ambition is, to start a paper monograph of the order and as it would be great an enterprise for one man, I would much like to have a partner, whom I know to be a careful and reliable worker. In your case I have great intentions yet, but the difficulties are numerous ones too, because now here in Germany the educated people are in comparison to the costs of daily life altogether underspaid and the costs of printing have risen to about four times the costs of before the war. I ^{of course} would best of all like to leave Germany and

Schriftleitung der „Orchis“

Berlin - Schöneberg

Neue Culmstr. 5a

den

or somewhere else, where one would have
 a chance to properly continue scientific work
 under more favorable circumstances. But per-
 haps things are going to develop yet again more
 favorably; Until now I can't see very bright-
 ly into the future.

As soon as I hear, that the books and papers
 are travelling well and safe again to America
 I will send you copies of all my Orchid-publica-
 tions since 1914. Have you got already my book
 "Die Orchideen"? I am not sure if I have for-
 warded you a copy already or not.

By the way, in your last parcel with the
 Thun - Orchids you sent me a Philippine
 Physodris-like plant, with the manuscript name
 "Adenostylis ~~hammerbergii~~ Wenzelii" and asked,
 what I thought of it. The plant is a representative
 of a new and very distinct ~~new~~ genus.
 Do you care to describe it yourself or wish
 or shall we publish it together? Please let
 me know, what you think of it. In fact I very

much hope, that we will do yet a lot of work under combined authorship. I am much reckoning on you for the eventual cooperation on the "Folia Orchidaceae", because as such I should think it best to bring out a future Monograph of the Orchidaceae. This has the advantage that one can choose the genera as one has got material for the work.

There is one thing more. If you should have to get some things types to compare in the Herbarium Reichenbach and not care to make the long voyage to Vienna, I would eventually be able to do it for you, if you collect ^{enough} specimens ^{to compare} together, so that the costs to go to Vienna from here are worth spending. It would certainly be much cheaper like this.

Prof. Willd tells me, that they have promised you some Kuhnmann - (New-Guinea) Orchids for your Philippines and asked me to tell you, that we hope to be soon in a position to look some duplicates out for you.

This has now become quite a long letter, but I had such a lot to tell and ask. There is even much that I wanted to write about, but I will now close and leave the rest for my next letter.

Hoping to hear soon from you, I remain with best compliments

Yours sincerely

R. Schlechter.

September 24th, 1919.

My dear Dr. Schlechter:

Your good and very welcome letter of August thirty-first reached me this morning. I was delighted to learn from it that you are still at work and that you have been busy with useful publications on the Orchidaceae. I shall be most interested to receive concrete evidence of your industry, not only for its own sake but for the help it will be to me in my investigations.

I am pleased to learn that you were able to publish some of the Chinese species and to know that you were kind enough to include me in the authorship. Of course it is a pleasure to be associated with you in the naming of new orchids although I had no right to expect that you would give me credit for taxonomic work in which I only had a hoped for part.

Now, as to the *Adenostylis*. I published this under the name A. Wenzelii in the fifth volume of my *Orchidaceae*. At the time I worked on this species I had very serious doubts as to its generic position. You will remember that I asked your opinion about this and that you reported to me that it belonged near your *Zeuxine elatior*. From time to time I have received additional collections of this very interesting plant and each time I have examined it I have been impressed by its distinctness from ^{very} _{eq} species of *Adenostylis* known to me

I will examine my material again and if I can agree with your conclusions I will gladly join you in applying to it a new generic name. If your Zeuxine elatior and Z; argentea are allied species I imagine they would go into the new genus also.

I have several bundles of specimens that have been set aside for you for a long time. I hope it will be possible to send these to you at an early date and to receive in exchange for them some of the specimens you collected in New Guinea. I will open these bundles again and see just what they contain. You can well imagine how anxious I am to receive new material. It is a long time since I have enjoyed the inspection of orchid duplicates from your hand.

Just at present my sixth volume of Orchidaceae is going through the press. This is in large part devoted to a very notable collection of orchids from Mt. Kinabalu, British North Borneo. Over one hundred new species from the mountain make a very valuable addition to the orchids flora of Borneo. I will set aside duplicates of the species for you. I think these will be very acceptable. They ought to bring from you some good things from among your critically determined duplicates.

Your proposed undertaking of an orchid monograph appeals to me, although I have doubts as to the completion of such an undertaking. It would mean such close application and demand such an enormous amount of painstaking labor. Folia Orchidaceae would be the safest name to use for such a monograph as it would allow great elasticity and make possible a judicious selection of genera.

For my winter work I had planned to determine the Colombian collections of the U. S. National Herbarium and of the New York Botanical Garden Herbarium. I wanted to do this work in order to get my set of Lehmann orchids ready for inclusion in my herbarium. If your papers on the Colombian orchids are ready soon, please send them to me at your earliest convenience. They will save me the work of searching the literature for a list of Colombian species. I hope you have included the numbers of specimens you have examined in these lists of yours and that you worked on the Lehmann collections.

I have become very much interested in economic plants and products of late. In fact I now have a lecture course on the subject in the University. While this work consumes much of my time, I am still able to give as much attention as is good for me to the determination of orchids. If you can help me in any way to obtain economic plants and products you will confer a very great benefit on an enthusiast.

Please tell Prof. Diels that I shall be ready at any time to receive the duplicates of New Guinea orchids that were promised in exchange for the Philippine duplicates I forwarded several years ago.

I will bear your suggestion regarding the Reichenbachian Herbarium in mind. You are surely more than kind to make such a generous offer of your valuable time.

I will send Orchidaceae VI when it is ready for distribution.

With the best of good wishes,

Robert Ames

Revised at Bat Nov. 13. J. J. J. J.
N. S.

Schriftleitung der „Orchis“

Berlin-Schöneberg

Neue Culmstr. 5a

den Octob. 22, 1919,

My dear Dr. Ames!

Many thanks for your nice long letter. It took too 24 days until it reached me. I hope we will soon have quicker post-communications again.

First now to answer your good letter. I am glad to hear, that you are bringing out again a new volume of your *Orchidaceae*. I have received from you the first four volumes. That a fifth has come out since then, I have read in the „*Botanische Centralblatt*“, but I have not seen it yet and hope to get from you a copy of this and of the sixth volume, when it has come out. Of my „*Orchidologische Sino-Japanische Proben*“ I will ask Prof. Fedde to forward you a copy. Of other publications you will get copies from me in the next days. They are quite a lot and I hope they may prove useful for your studies.

The *Adenostylis Wenzelii* is not related to my *Adenostylis elatior*. There must be a mistake

about my having reported this. I got from you
 a specimen of the plant with your Chinese Orchids
 shortly before the outbreak of the war. And as far
 as I know, I have not been able to study it un-
 till lately. However it is possible, that from a
 sketch of the flower accompanying your specimen
 I have suggested this relationship. Now after
 having studied the material, I find that the plant
 has only got one stigma. This and other characters in
 the labellum show, that it is nearest allied to
~~the~~ Pacific and Japanese Platylepia-types, about
 which whose relations to the real Platylepia from
 Madagascar I am not yet fully convinced. The
 plant represents a new genus for which I propose
 the generic name Philippinea (being special the ^{Philippine})
 If you like we might publish it under combined author-
 ship. I have got a good analytic drawing of the
 floral parts. If you care I would copy it for publica-
 tion in one of your Orchidaceae-volumes.

My list of Colombian-Orchids is ready for print
 and I hope to bring the whole volume out before
 the end of this year. The Venezuela-List is already
 printed, and is going off to you soon. I would
 advise you to wait with your work on the Colom-
 bian Orchids until you have received mine. I
 have described over 250 new Colombia-Orchids

Schriftleitung der „Orchis“

Berlin-Schöneberg

Neue Culmstr. 5a

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and 5 or 6 new genera. Quite a lot of Lehmann's things are included and the plants from the Marston collected by H. H. Smith too. In fact I would propose you to send me the material that you have got from Lehmann. What I find new in it, we might publish again under combined authorship. I am now fairly worked in the Andean Orchids and I could do them quickly, excepting perhaps one or two very critical genera, about which I am preparing a more thorough study before I wish to take them. Like this I will be able to help you, and about the publication of the new species we might arrange in some work, that you might propose. Perhaps you can help me in another way. I have finished already the lists of the Orchids of Ecuador, of Peru and of Bolivia too, but the more we progress with the printing of the work, the more difficulties we have got to get sufficient funds for the publications together. The printing costs have risen to about five times the amount, of one had to pay in 1914. Could you not perhaps interest some of the botanical

circles in your country, that they might supply us with sufficient funds by subscribing for the publication of these Lists? I am sure, that they will be very welcome and useful especially to the botanists of your country. These Lists are going to be published in five parts under the title "Die Orchideenflora der südamerikanischen Cordillereinstätten". I. Venezuela, II. Colombia, III. Ecuador, IV. Peru, V. Bolivia. Each part appears separately, I. about 100 pages II. about 350 pages, III & IV. each about 200 pages and V. 100 pages print. I would be glad, if you could do something in the way to forward the publication.

You write, that you have become much interested in the economic plants. I think we could send you a good lot of material, perhaps on a partly exchange for your Orchids, that you have given to the Berlin-Herbarium. The Ledebur-orchid-duplicates will be reserved for you beside, but there is little else to give. As you know Orchids are generally collected rather scantily.

My New-Guinea-Orchids I will soon distribute and I will certainly not forget you. As you know I have always reserved a good set for you from all my other distributions.

Schriftleitung der „Orchis“

Berlin - Schöneberg

Neue Culmstr. 5a

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The Turner-Orchids will certainly interest me very much and I hope, that you will reserve me a good set in exchange for New-Guinea-Orchids. Of the Orchids of Mr. Wenzel I hope to get from you yet some duplicates too.

As to the proposed *Folia Orchidaceae* I will explain to you yet more fully my plans at a later date. First I got a lot of different publications yet under my hands, but when I have finished these, I hope to start and hope to start the publication with you. How far we can finish it, is a question of the future, but you can reckon on me, that I will gladly do my share of it. The plan of the „*Folia*“ allows us to take any genus as it seems convenient. The future will bring us the others nearer and nearer, that these too won't offer too many difficulties. I very much hope to be able to start with this work next year already. The material that I have accumulated is already a very good one. Of many genera I have made analytical drawings of nearly every species already. The amount of

such analytical drawings in my herbarium will be already over 600, each representing a different species. Last ~~year~~^{year} alone I have finished over 150 drawings of this kind. This has furnished me with a material of some extent, which is quite unique.

When my revision of the *Epitriptinae* will appear next, you will see, that they won't offer any more or many difficulties. I feel convinced, that the different types are now naturally brought together. I had to make a lot of new genera; but the more I analyse the more I see, that many of the large genera are only so badly limited, because for many aberrant forms have been merged into them, generally only, because one hesitated to separate them as often quite well defined genera.

This has become again a long letter, but such a lot of things have accumulated about which I wished to talk with you. My opponents I will start to send out intervals, beginning with the next week.

In the hope to hear soon from you again and with best wishes

R. Schlegel.

355 Commonwealth Avenue, Boston, Mass. Nov. 2, 1919.

My dear Dr. Schlechter:

Can you help me to obtain photographs or sketches of the following Philippine species:

Dendrobium Gerlandianum Kraenzl.
Dendrochilum bistortum(Kraenzl) J.J.S.
" malleolens Kraenzl.
Microstylis philippinensis Kraenzl.

I suppose the types of these are available for study in Berlin. Up to the present time I have been unable to make sure of these species and I am very anxious to obtain information regarding them.

I also need material or a photograph of Habenaria Cuningii Kraenzl. and of H. Delessertiana Kraenzl.

I have in mind, now, a key to the Philippine species of Orchidaceae, and it will be necessary to obtain a very clear understanding of the species named in order to carry out my plans in a satisfactory manner.

If you are in a mood to get out some of your duplicates for me I wish you would send along as many species of Microstylis as you can well spare. I have always been interested in this group and I am trying to make my herbarium strong in the Liparidinae.

2. Nov. 2.'19.

Have you ever seen any material of Bulbophyllum orthoglossum Wendl. & Kraenzl.? I have been unable to identify this with any of the Philippine material I have examined.

If your list of Colombian orchids is not yet published and the date of publication is far away, could you have a manuscript copy made for me at my expense? I ask this very exacting favor because I am now at work on the Colombian material that has accumulated here during the last ten years. If you have done any work on the Lehmann orchids I would welcome a list of the numbers with your identifications. This may seem like a "large order," as we say here, but I am not asking more than I am ready to do in return.

I am going to make out a list of Reichenbachian things that I desire to know about and I will send this along in my next letter. Perhaps you will visit Vienna soon, and then you can help me at the same time that you attend to your own pressing needs.

Yours very truly,

355 Commonwealth Avenue, Boston, Mass. November 13.

Nineteen-nineteen.

My dear Dr. Schlechter:

Your letter of October 22 reached me this morning. I was delighted to have it and very much interested in your references to the future work you expect to do among the orchids. I noted your statement about the new genus based on Leytean material collected by Wenzel. In a post-card dated January 28th, 1914 you wrote that it was, in your opinion, a species of *Zeuxine* related to your *Z. elatior*, and *Z. argentea*. So much for that. It does not really matter. Your suggestion that we might publish the new species in a volume of my Orcidaceae meets with my approval, and at the risk of rousing your displeasure I am going to publish it in the sixth volume which is now on its way through the press and is not so far along but that I can insert Philippine material. I will have Mrs. Ames make drawings in great detail and get the necessary material together for a description of the new genus. The name will be *Philippinaea* as you suggest. The species will

be known as Philippinaea Wenzelii.

Your suggestion relative to the Colombian orchids would meet with my hearty approval if it were not for the fact that I have a large number of specimens and as there would, I think, be some risk in the present unsettled state of the world in sending them abroad. If you could only have prepared for me a list of the numbers of the Lehman orchids with your identifications you would aid me materially.

I do not like the suggestion that I take economic material in exchange for my Philippine orchids sent to the Berlin Museum. My reason for not liking it is based on the fact that I am anxious to have my exchange material bring in all of the orchids that are available. You will understand this I am sure when you stop to think that I need material for comparisons and when you remember that very few botanists have given the orchids close attention in this country.

Awaiting further information as to Folia Brochidaceae

Yours very sincerely,

Arthur Cron

den 30. Nov. 1919.

My dear Dr. Ames!

Your letter dated Nov. 2^d. arrived the day before yesterday and the one from Nov. 13th yesterday. In order to make the investigations needed I hasten to reply to both.

You ask about the following Orchids: Dendrobium Gustavium Kränzl., Dendrobium histricum Kränzl., Dendrobium molleolum Kränzl., Microstylis philippinensis Kränzl., Habenaria Geringii Kränzl. and H. Delavayana Kränzl.

First of all I must tell you, that of late years Kränzl. does not seem to have preserved any types of many of the species that he has described. In his herbarium, which he has given to the Berlin Museum in 1907 a very large proportion of his types are missing. The whole collection was in a state, that proved his negligence in such matters. Specimens were mixed up, broken, without any tickets etc. After 1907 he does not seem to have preserved any types. I have done my best to get through correspondence flowers of the different type specimens, so far as they were still in cultivation and have succeeded in a good many cases, but, I am sorry to say,

in many instances it will in future be impossible
to clear up some of Koenig's species, because he has
to expect for good reasons of his own, not preserved a type
specimen. Now to the different plants.

Dendrobium fulvum Koenig. We have had a
type specimen from the Erlangen Bot. Garden in Dahlem
in cultivation. I have drawn an analysis of it, when
it flowered and send you a copy of it and ^{a sketch} of the dried
branch.

Microstylis philippinensis Koenig. is type plant from Erlangen
has flowered this year in Dahlem. A copy of my analysis
and drawing I enclose. The plant has a short thick stem
and is rather characteristic by its altogether light and
folded leaves. It belongs clearly to my section Pleurodon

Dendrobium bistratum and unclerum I have tried in
vain to clear up. Of the former there is no trace whatever
in Herb. Koenig. About the latter I had written to Prop.
Golerder of Erlangen for some material, shortly after
the species was published and was flatly refused it.

Habermannia Edmungi Koenig. was based on Edmungi
N^o 2091, that is the type number for H. aristulifer R. & P.
and as the analysis and the habit of H. Edmungi
agree well with Reichenbach's plant there is no doubt,
that H. Edmungi Koenig. is nothing but H. aristulifer R. & P.

The latter has in Koenig's "Monograph" N^o 80 the figure N^o
121. This shows clearly, what this work is to be valued at.

Habermannia delosotiana Koenig. I don't know the type
of this, but the plant distributed by the Philippine-

Government Herbarium under No. 1240) (from Galindan, Prov. Iloilo, Luzon - leg. Mac Gregor) matches the description so well, that I have no doubts it is the right plant. Besides the locality given for H. Delavayana, "Galindan?" seems to be the exactly the same. The plant is clearly allied to H. subulnaria Bl. I enclose a flower of my type from H. Gidwini and of H. Delavayana (leg. Mac Gregor No. 1240).

I hope this will satisfy you. I think it will clear up 4 of the six species. I fear the two Dendrobiums will remain riddles for ever, if there are no types to be found yet somewhere else.

Yes there is a seventh plant yet, you ask about: Pleurophyllum orthoglossum Wendl. & Kuhn. This I know very well. I have received several times flowers from the type specimen, that was in cultivation in Herrenhausen. I send you a sketch of the inflorescence and a pretty-cut flower in a capsule. This species is very near to P. amplicinctum Tyson & Binn. and belong to my section Lepidochloa. From P. amplic. it is distinguished by the narrower petals, the lip and the column.

With the distribution of my New-Guinea duplicates will start soon (in this winter yet) and you can be sure that I will reserve for you such a lot of duplicates, that soon after, you won't have enough to give in exchange for many many years to come. But I reckon to get from you yet the usual and thorough things.

the Borneo-Orchids and I hope two scraps of any of
your types from Colombia. Your wishes for mate-
rial from the Liparidinae I will not forget. My ha-
bitudine is, I think, in this group richer than any
other; I think even richer than Reichbachs.

As to the Colombian Orchids, The first proof sheets
have come all ready and the whole work is supposed
to appear on the 31. Decembre. As the things progress
I will see to send you from time to time proof sheets
of the new species, so you will see able to compare
your things vs the work progresses. I have not made
a list of the Lehmann determinations, but Engelman
before he died, has send me, as he wished that I should
continue his work on the South-American-Orchids, a book
in which he had entered all the determinations that he has
found of the different collectors in literature and that he
made himself. I will get the Lehmann-determinations ex-
posed for you and besides enter some of my own to them.
This will help you along a good deal, I think. I have
had a very good collection from Gunder and Antioquia
made by a Colombian Orchid-collector, M. Wadley, through
the help of an acquaintance of mine. Unfortunately
untill now through the war all connections (addresses)
of with these are lost. Most probably wherever is no
more in Gunder and of my acquaintance I heard no
more. In all I have described over 250 new species
and 7-8 new genera from Colombia. It will of course
be in rather tedious work to look out all the Lehmann-

Schriftleitung der „Orchis“

Berlin - Schöneberg

Neue Culmstr. 5a

den.....

determinations, so you must have a little patience,
but I hope in a week to be able to send the list off.

Now to your letter of the 13. November. I am consenting
to your publishing the Philippinæ in your next volume
of the Probiæ. But I will add here a few remarks as
to the generic character. The simple medium indigenous
Philippinæ in the neighborhood of Platylopiis, from which
it is distinguished by the structure of the Strobilium, which
besides with its margins is obovate to the lower half
of the slender column.

Orchid-Duplicates will be looked out for you in the
Doblen - Herbarium and forwarded to you within a
short time.

I have about two weeks ago sent to you a good
lot of my publications from 1917-1919 and I am
very anxious to receive from you in return your
own publications on Orchids. Of your Probiæ
vol. V. I have not yet received a copy. I hope you
will be able to spare me one. Besides, I expect that
since 1917 you will have brought out some other
publications on Orchids and would be glad to
receive these too. The other story I came across
in literature on Geobotanische Anmerkungen etc. etc.,

where is it published and where does it come from? But perhaps your publications are already on the road to me?

My work on the *Epimachian* is in print for now. I have read already corrections of 64 pages of proofs and hope to bring this out too in the course of this month or beginning of the next.

Have you seen any greater publications on *Orchids* in English, French or American journals? Through the war we have been cut off very much in this respect and I would be glad to hear from you, if you have seen anything of interest. Most of the periodicals since 1914 ~~are~~ are still wanting in Berlin. How is ^{the situation} ~~the situation~~ and Mr. Glue doing in the Philippines, are they still doing much work? Can you tell me, where Mr. G. F. Baker is now? Do you know his address? Have you received any greater collections, besides the Bornemann one?

About the intended "*Folia Orchidologica*" I will draw out fully my plans to you in a special letter, that will go off in a short time.

With best compliments

Yours sincerely

R. Schlechter.

Jan. 23, 1920.

Dear Dr. Hues:

(By ~~to-day's~~ post I am despatching the
last ~~proof~~ sheets of the new Silvian Journal,
that I am bringing out now. I hope you have received
all my former proofsheets correctly. Perhaps they have
been of use to you. Have you got my letter from
two months ago? I am impatiently awaiting
your later publications. Of your Journal I
I have not yet seen anything. The list of Silvian
Journal I hope to be able to despatch next week.
It has taken a good deal of trouble to get things
together.

Postkarte

I have been expecting
my letters since something
but perhaps they have not
reached you.

Best compliments
Yours truly
R. Schlechter.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

NEW YORK
FEB 18
8 30 AM
1920
MASS.



Dr. Charles Ames,
The Ames Botanic Laboratory
~~Northampton (Mass.)~~
355 Commonwealth Ave.
United States of North America
Boston, Mass.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

5. Febr. 1920.

Dear Dr. Ames!

Your letter of January 11. reached me to-day
and I will answer it not once, that it may reach
you yet, before you start on your voyage to
Yukon.

First of all my best thanks for the promise of
the Bornean and Philippine Orchids, and
for your *Orchidaceae* V. for which I am looking
forward with eagerness. I will put aside for
you one of the best or the best set of my
New Guinean duplicates, and have already
made notice of your special wishes regard-
ing the *Liparidinae*.

At present I am working on the Orchids
of Micronesia, from where we have got here
a large collection from Ledebour, that
contains a number of new species, but
nothing very remarkable amongst them.
Some of the plants are identical with
Guinean species and amongst them is a *Li-*

paris, which I suppose to be L. yunnanensis
is, but I am not sure. Can you send me
a flower and a sketch of the plant? ^{and a sketch}
be besides of last year's flower or two of the
following. Yunnan - Orchids: Caloptera Stue-
Gregorii, Coelogyne yunnanensis, Pulchryphyllum yunnanense,
Dendrobium yunnanense and Phreatophyllum yunnanense.

I will gladly send you other things in return.

I wonder what you will say to my new arrange-
ment of the Yunnan Orchids. They were in an
awful mess. I was not satisfied myself to
have to make so many new genera, but it was
unavoidable to come to proper limits. It
is strange that nobody has paid formerly
more attention to the great differences in
the Yunnan Orchids.

Very shortly I will send you some more off-
prints. I have lots of things in the press. The
copies of my Yunnan Orchids will come every
day, then I will despatch ^{to} you a copy.

I can quite understand that there must
have been lots of interesting things amongst
the Yunnan Orchids. It must have been
a pleasure to work them out.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

With the list of Lehmann's Orchids I am still busy. You must excuse that it takes so much time, but I am very much occupied now with corrections and other work, but my time is rather limited. But I hope to send it off very soon.

Now as to the "Folia Orchidologica" my plans were the following. We would work out the different genera separately, starting of course with the smaller ones, but at the same time bringing out now and then a larger one. The descriptions and the general way of publishing should be similar to the one adopted by Lindley, but each genus gets a systematical number, for which, as they are all now fairly known, with slight alteration we could adopt the numbers as they are given in my book "Die Orchideen". However I would work out the systematic list of the genera and then we would no doubt come soon to an understanding. Even

And new genera would get a. b. c. etc. numbers
of the genera, to which they are nearest allied.
The descriptions should be more complete
than Lindley's. I expect we could bring out
yearly about 100 descriptions, so that in
about 20 years the work would be complete.
In each year there should be proper keys
made to the species and eventually the ^{descriptions}
descriptions written in Latin, general remarks
(short) as to affinity etc. in English, German
or French (in case we take other collaborators
too). As there is an immense lot of work
to be done and, at least here in Germany,
we scientists are not very well situated,
we ought to try, to give a salary for each
printed sheet (of 16 pages) of about 2 1/2
shillings (= 50 gold marks). As to the editor-
ship we might agree as you wish, either
"Anon & Schlechter" or "Schlechter & Anon." This
would be immaterial, as at each year the
name of the author should be mentioned.
If we should take any collaborators, there
should be no mutual understanding but

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

when you and me about whom we take
and what general he is to work out.

If you think that under these or simi-
lar conditions you would be able to find
a firm, who would agree to publish the
work? Perhaps the printing itself could
be done in Germany? But I am
not sure about the printing cost, in Ger-
many.

There is besides one proposal, I wished to
make, and this is, a liberal exchange of type-
specimens (resp. bits of the type, when possible,
or facings of drawings etc., of which I have
many thousands) while the work proceeds,
that is to say not only of the general that
each one of us requires for the work, but of
every other too, or that we both are in a
position to work on each of the finished
general properly.

These are my proposals to you, if
you care to go with me in bringing out
this publication, which ought to be out

should be a standard work on the
Orchidology and indispensable to every
body, who interests himself in the order.

As soon as one of the groupings or tribes
of Genera is finished, we could give a key
to the genera and complete the whole, when
it all the genera are more or less grouped by giving
a key to the ~~tribes~~^{groupings} or tribes of the order.

If you should agree with my plan, I would
work out a ^{small} sample-genus and send it in
to have your approval. If possible we
could then, not to lose much time, start
immediately this year with the publication.

I wonder, what you will say to these
big plans. You can be sure, that if we
once start, I will do my best part of
the work, as I have accumulated a large
lot of materials and drawings for such
an enterprise.

I hope the prophylls of my *Scolymus*-*Or.*
stems have come in useful. You can mount
them for references in the herbarium.

Hoping to hear soon from you again

Yours sincerely

R. Schlechter.

355 Commonwealth Avenue, Boston, Mass.
February 17th, 1920.

My dear Dr. Schlechter:

I have just received another large package of reprints from you. Please accept my sincere thanks for your kindness. I intend to examine your conclusions in detail before long, but just now I am very busy with university work and my time is for the present pretty well taken up by routine duties.

I have looked over your paper on the *Spiranthis* with interest. Your treatment of *Spiranthes parviflora* does not meet with my approval. I believe that this species is referable to *S. ovalis* Lindl. and is more common in the State of Missouri than we have had reason to believe heretofore. I made a very careful study of *S. ovalis* at Kew and I concluded without a shadow of doubt that it was the same thing as *Sp. parviflora*. It would seem that my paper on this species has not been sent to you.

We have had very severe storms here that have shut me off from communication with my laboratory at North Easton, consequently I have been unable to assemble for you the reprints that have accumulated since I last sent you a collection of my publications. Vol. 5 of *Orchidaceae* I intend to order direct from the publisher so that there should be no delay in getting this to you within a few weeks. Vol. 6 is struggling through a disorganized press. I will forward it to you at the first opportunity to do so. I think you will be very much pleased with it as a specimen of bookmaking even if it should not come up to your expectations as a scientific work.

I am not sure that we can keep *Spiranthes odorata* distinct from *S. cernua*. I have made a note of your remarks regarding the rostellum and the conformation of the lip, but I am afraid an examination of numerous specimens would fail to uphold your conclusions. I am afraid that we have simply been attempting to sustain an error of judgement made in the past. This is not an infrequent thing in systematic work among plants.

With the best of good wishes,

P.S. Many thanks for your esteem indammaged by new species named in my honor.

O.A.

355 Commonwealth Avenue, Boston, Mass., U. S. A.

March 10th, 1920.

My dear Dr. Schlechter:

I was delighted to receive your letter of 5th February with your suggestions regarding the publication of orchid monographs. I really think we might do a good piece of work if we could get together in some way and cooperate in the handling of the different genera. I will take this matter up in detail at another time. Just now I am in the midst of preparations for a trip to Cuba. I leave tomorrow. I expected to reach Havana in February, but the labor conditions there were too unsettled and owing to troubles at the docks the steamer in which I engaged passage was taken off.

A few days ago I sent to your address vol. v of Orchidaceae. This should reach you in a week or so. Vol. VI will be ready for distribution in about two months.

I have received the reprints you have so kindly sent to me. They have been very helpful and I have derived a great deal of profit from them. Your treatment of the Central American species is very interesting.

We have had very exceptional winter. The snow has been extraordinarily heavy and traffic has been sadly disarranged. I have been unable to get to my country house and at times communication has been so difficult that supplies have not been gotten from the farm to the railroad. When I return from Cuba I expect to be able to get to my laboratory again and I will make sketches for you of the Guam orchids you mention

in your letter. I believe I have material of all the species you mention, although some of them may be in Manila.

I expect to distribute my Bornean duplicates in April. I am reserving the best set for you. I hope to receive my Chinese specimens back in the near future, although if you think it unwise to return them at this time there is no hurry. I am also anxious to receive some of your duplicates.

I would welcome a sketch of the Central American *Habenaria Amesiana*. In fact I would like to have something to show all the new species of *Habenaria* that you described as I am anxious to keep my North American representatives of the genus complete either with specimens or drawings.

When I return from Cuba I will write again when I feel a little less rushed than I do at this very minute.

Yours very truly,

Wm. C. Coker

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

2. April 1920.

Dear Dr. Ames!

First of all let me thank you heartily for your book on the Prehists of the Philippines, which reached me yesterday. I have been looking into it already and find it very interesting. There will be a few additions needed, of which I have noted some down on a separate sheet, which I am going to include in my letter. From time to time, as I come across some more, I will send you notes about them.

Now to your last two letters. I did not answer them at once, because I expected you already gone to Gdbr. When this will reach you, I hope you will have returned home already again.

As to my work on Spiranthus, I had of course to take what I had on hand. I am sorry that I have not seen your later conclusions regarding Spiranthus ovalis Hall. and S. adustus. But the whole work was specially written with the object to give a natural division of the whole group of Spiranthine and

in this, I think, I have succeeded. At least now, after having examined lots of material, more that have come in since the completion of my manuscript, I had no difficulties to put them in their proper places at once. There is quite a number of species yet of which, no material (or good material) appears not to be had, I could not decide. They will have to be cleared up no occasion offers it.

As to my proposal respecting the new *Folia Reichb. n. c.* "I am convinced, that such a work should be done now, and that, if we are to take it in hand, it was the best chance to be finished. You can reckon on me, that I will be able to work on and keep to it, or that a regular progress can be guaranteed. We would start with the smaller and middle sized genera and then, no occasion offers itself, finish the larger ones from time to time. My material is generally speaking a good and rich one, and with the help of the Reichenbach - Herbarium and the assistance of drawings, I have done myself, we ought to be able to do very well.

I have just finished a Revision of *Syrone*.

Dr. Rudolf Schlechter

Berlin-Schöneberg

Neue Culmstr. 5a.

under and of Eschschol and drawn all the
species. The materials of Reichenbach's Herbarium
I had here and have now asked for a few
more genera.

Many thanks for your promises of the Bor-
nean and Philippine - Orchids. You can be
sure, that I will put aside for you for very
good material of New Guinea - Orchids. I hope
to start with their distribution soon and
then send you the first lot along with your
Chinese Orchids.

By the way, of China I have just sent in
again a manuscript of about 15 novelties
from Yunnan of Ten's and Eschschol's collecting.

As soon as you write, that we might start
together with the "Tolun Orchidaceae" I will send
you a sample manuscript to show, how the
work should be carried on. It would certainly
be very useful if we could publish as
as many species as possible some analyti-
cal drawings in text. But I am afraid
this would be too expensive. At the same time
this would advance the knowledge of the

Orchids more than any other work has ever
done. Of some genera, for instance, I have
such drawings of all known species. They
are all drawn in such a way, that they
are generally very easily recognized. All Or-
chids known to estimate now to 20000, or
if we keep to the work and bring out yearly
1000 or a little more, the whole work would
be finished in about 20 years and it would
be a standard work, to which every Orchidolo-
gist in future would have to refer.

I am sure, if we go together in this work,
the success must be on our side.

Hoping to hear soon from you again, I am
with best compliments

Yours truly

R. Schlechter

April 23d, 1920.

My dear Dr. Schlechter:

Your letter of the second of April arrived this morning. I was delighted to receive it, and most interested in the enclosures although the list of additions to the Phillipine orchid flora rather annoyed me as I shall have to ascertain just what Kraenzlin has described. Unfortunately his papers have not reached me and I shall be unable to check up his work with the list of new species that I am putting out in the sixth volume of Orchidaceae. If there is any way in which you can secure for me material or sketches of the new species I will be more than obliged. As I have given so much time to the Phillipine flora I want to keep my records complete and be able to interpret the work of other orchidologists.

I have seen nothing from the Philippines that in any way matches Dendrochilum saccolabium Kraenzl. and I am inclined to doubt very much if the original plant came from the Phillipine flora. I do not recognize the genus from the sketches you enclose and I am not inclined to commit myself as to its position.

I have been working on *Spiranthes* again in the light of your very helpful monograph. I am sorry that you did not cite specimens and give more information as to distribution. In spite of your notes I am unable to clarify the *S. sinensis* puzzle, although from my studies of the Robert Brown Port Jackson plants in my herbarium I can readily see that the Australian plant is not to be confused with the small flowered Chinese one. I have materials from China, collected by McGregor that seem to fit *S. styletes*, but I am not sure of my diagnosis. If you have sketches of this species I would welcome copies. The Indian species I have examined seem to constitute a distinct type, and I am about ready to agree with your treatment of *S. crispata*. I would like to take up *Spiranthes* as you have limited it and publish a good paper on it. I am now beginning to assemble material for this purpose and I hope you will send me some of typical New Guinea species. In fact duplicates of *Spiranthes* from any part of the eastern tropics will be very much appreciated. I have a very friendly feeling for the genus since my struggles with the species of the North American flora aroused a strong liking for spiral-flowered *Spiranthes*.

Schltr. April 23, '20-----2.

I am very much interested in the new "FOLIA". I would enjoy working at this with you, although I am afraid that the difference in our speed would throw the bulk of the labor on your shoulders. I am an intermittent worker; that is I am a slave of inclination, and there are months at a stretch when I find botanical work of any kind a perfect form of torture. You might not enjoy collaboration with a man who wanders from the job. Then again you have a great advantage over me in the ability to turn out critical studies as you are near at hand to the rich collections of types that are preserved in the European herbaria. I am constantly deterred from publishing the results of my studies because I find myself obliged to consult distant types before I can attain finality. There is nobody in this country who is at work on the orchids, consequently our herbaria are almost useless for purposes of comparison, a fact that makes dependence on printed diagnoses necessary, and we all know the dangers that await us when we place our trust in the printed page. When I see the hosts of species that you are publishing I experience a feeling of perfect hopelessness because I don't see how I can assimilate so much new stuff. That is a very frank statement, is it not? With this very slovenly introduction behind me I will tell you just what I have in mind. I have in mind a painstaking, thorough job of each genus or section of a genus that we attack. I would like to have a great deal to say about the format of our book, the typography and illustrations. Although we would of course work independently on the genera we undertook to do, we ought to agree at the beginning that we would submit our manuscript to the other man before final going to press. In my opinion it would be best to print the book in this country. It might be more expensive to print here than in Germany, but as I would be willing to finance the book making, that objection would not need to be considered. Of course I cannot bind myself to finance a work that will extend over a number of years, because the times are uncertain and nobody knows what the future has in store for us. I would, however, pay the bills at the beginning and up to such time as I felt that I could safely do so. I am not interested in any profits and I would gladly allow you the benefits of profits on sales. I also would like to propose that you do some work in this country. I do not know what arrangements we could make to this end, but it seems to me that we might very well come to some agreement that would be advantageous to us both. Of course I am wholly ignorant of your financial position and I do not know what your attitude would be toward any proposition that I might make. If you have any suggestions to make they will be most welcome. In one of your letters you suggested, if my memory is not at fault, that you would rather welcome an opportunity to work in this country. In any event it would be well for you to do some collecting in our tropics before we

Schlechter April 22, '20-----3

take up some of the groups that offer perplexities. I might be able to finance you if you do not feel that you can bear the expense. We might do some collecting together. It would also be well for you to do some work with me on some genus that we could publish conjointly. As I am now situated it would be difficult for me to come to you.

You ask about illustrations. It seems to me that we ought to be lavish with plates and text-cuts. It would be a shame to economize in this very useful department of taxonomic botany.

I have been working out in my own mind the final treatment of *Dendrochilum*. Perhaps it will be necessary to re-instate *Acoridium*, but I am not ready just now to do this. I worked over additional material during the winter and I was just about ready to monograph the genus when university work drew my attention to other fields. As I have more material of *Dendrochilum* and more types than anybody else I hope nobody will interfere with my little monopoly. I would like to handle this group in "FOLIA".

I am sorry to say that part of your Colombia orchid paper is missing. Some of the pages, too, were badly hurt because of the manner you adopted for sending them through the mail. I hope you will be able to send me the complete work before long, also the balance of your monograph of the *Spiranthinae*. This paper is still incomplete and stops at a very exasperating place.

I am very anxious to receive material from you. As I have informed you above we are very deficient in orchid material in this country and we need every scrap of evidence that we can assemble.

It will be very interesting to know how you react to this very incoherent letter. I hoped to be able to put down what I wished to say in much less space, but I am afraid the subject needed space equal to that I have used.

Yours very truly,

Dr. Rudolf Schlechter
Berlin-Schoenberg, Neue Culmstr. 5a.

May 23d, 1920.

My dear Dr. Schlechter:

I enclose a small branch from the raceme of an *Epidendrum* of the *E. fucatum* alliance that has just bloomed in the Garden collection. I am not sure of the origin of the original plant although the gardener is sure that it came from Columbia. The habit is very much like that of *E. fucatum*, but the color of the sepals and petals is of a clearer and brighter yellow. If you can identify the species for me I wish you would send me the name.

I have been studying the *Spiranthes* paper with a great deal of interest. The more I look into the status of *Spiranthes australis* the more convinced I become that you have misinterpreted the material you examined. My assistant is now checking up my conclusions and I find that he is as much perplexed as I was over your treatment of *S. australis*. You have left the Japanese species indefinite as you will see by contrasting the ranges given in your *Flora* and in your monograph of the *Spiranthinae*.

My book on the orchids of Mt. Kinabalu is nearing the point of publication. I am very anxious to have you see it.

Yours very truly,

Dr. R. Schlechter.

Received by the Director
of the Botanic Garden
of Harvard University
May 23, 1920

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

9. May 1920.

My dear Dr. Ames!

Your letter of April 23rd reached me the day before yesterday. Many thanks for your exhaustive remarks respecting my former prop. etc. I will answer your questions and proposals one after the other.

First. As to Hänke's new additions to Philippine orchid flora, I hope to be able, to clear all of them up in the near future. I have got a promise from Winters that they will send me samples, as soon as the different species come to flower again. Some of them I have received already and will write about these to you soon more fully.

As to Epimorpha, you will have received by this time already a ^{copy} paper of the whole work and of the Columbian orchids. I sent them off about 3 weeks ago. Please let me know, if you have got them. I will see, what I can do respecting material of the Asiatic species of the true Epimorpha. I will send you for copies of my analytical drawings of these species. You will see from my remarks, that as to E. sinensis there is yet something to clear up. The common small flowered Chinese species is evidently the true plant. Then there is another with a little larger rose flower which might be the E. mucronata. E. stylifera has white, large

flowers and is a very distinct species, as you will see, as soon as I will have sent you the copy of the analysis and at least a flower or two. When you will have studied my paper on the Spiranthus at the side of material, I am sure, that you will find, that it has got a quite different aspect now and that the species naturally allied have at last been properly grouped. I have not given the collector numbers because the chief aim of the paper was, to deal with the genera as such, and in most instances I would have had to copy the collector lists of the Flora Brasiliensis etc. I have the hope, to finish some day a proper monograph of the group (excepting Liatris and perhaps one or two other genera, which of course would leave to you, to deal with).

Now I come to the Folia Prochirona. I am very pleased to see, that generally speaking you accept my proposals and, as I am willing to agree to your new proposals as much as possible, to guarantee a proper collaboration without any misunderstandings, I all the way to our success all ready going clear.

What you write about your own way of working intermittently cannot hinder us. I am myself, as I know, a ⁿ fairly hard worker and will see that, that the work progresses. It is my ambition and I hope it will be yours too, that we should be

10/10

(all)

able to finish a monograph of The Orchidaceae before our lives are finished. That is to say, we should see to it, that we finished every year or half something like one thousand species. The whole order I estimate on 17-20000 species, according to my estimate of all the known species with their synonyms. We should try to bring out every year about 500-600 pages of print, counting about two species on each page, in one or two pages. I will work out a small genus, to show you what my ideas are as to the treatment of the different genera and species. If this finds your approval, then we might start, to write the first part ready for publication.

As to the different parts, I propose to let them contain each about 5 sheets (of 16 pages each). For illustrations I propose analytical drawings of as many species as possible, but they should not occupy too much place and are best given as flat figures. I have introduced in my herbarium a uniform size of about 12 * 7 1/2 cm. for these drawings, of which I possess surely more than 600. For reproduction they could be copied wherever desired and of each of these drawings I will send in copies to you, as the genera are worked out, and leave it to you, to choose what you wish for publication. If we could give of

~~who~~ ^{who} are dependent on me.

This is an open confession of my financial standing and will, I hope, put my working conditions in the proper light.

With all your proposals respecting the printing in America and the submitting of our manuscripts to each other before final passing it upon I am altogether agreeing. There is however one proposal, that I would like to make more. Let us be of one opinion first about the quality of the paper and the printing types too. If we do really intend to give text figures, we should use a smooth printing paper, as they are coming out better and larger on this. The types of printing should be simple but clear. For the title of the work I would propose Anna Folio Prehensio by Oliver Ames and R. H. Hilditch.

As soon as I know, that consent with the work, I will put all my energy to it and most probably send in the next future first the manuscript of a few smaller genera and later on of the Diana the chiefly African groups.

Of course I would be very glad and willing to do some of the work conjointly with you, if we could somehow make arrangements to collaborate

either here in Europe or in America, but my finances would not be able to bear the expenses of such a voyage and stay there under the present circumstances. It was always my ambition and hope to visit yet America and to do some collecting in the Tropics there, but I was first too much engaged with the Tropics of the Old world and now, since I have made you the confession about my financial standing, I could only do it if I am financed from another side. But before looking any such collecting trip into consideration, it would, I think, be best to be well going on with the "Julia" I am myself convinced, that, if we two would do the collecting together, we might in some parts of the Cordilleras succeed in getting a similar harvest, as I have got from New Guinea.

Now I will close. The letter has become already very long, but I thought it my duty to write as fully as I did.

Yours very truly

R. Schlechter.

P.S. I am in the midst of the distribution of my New-Guinea Orchids and have put aside for you already great heaps.

June 30. 1920

Dear Mr. Schlechter:
Just a line to ask if you have an extra copy of your *Orchidées de Madagascar* (Ann. Mus. #ol. Marseille) that you can spare. I want the plates for my herbarium. In fact any duplicate plates that you can spare will be most welcome.

I have much to say in reply to your last letter, but at this writing I am too much pressed to go into details. I am in perfect agreement with you and quite ready to go ahead with the joint work although I am afraid that my contributions will be slow, at least for the present. I may start *Calopogon* and a few small genera for a beginning. I am getting together material for *Spiranthes*.

I wish we could talk over the financial situation face to face. It seems to me that I could make many things possible.

Yours in haste
Oakes Ames

Copy

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

18. Juni 1920.

Dear Dr. Ames!

I have been waiting with the answer on your letter, dated May 23rd, because I expected to have an answer from you on my last letter from May 9th every day, but I will wait no longer now, that I might send you the determination of the orchid sent in.

This plant from the Harvard Botanic Garden is probably not of Columbian origin, but comes from Gen. Arrol America. It is the Eucyclia arnottiana (Baker.) Kuhn. (Epidendrum arnottianum Baker.). The genus Eucyclia is, I think, quite wrongly united with Epidendrum. If we divide these two, then we cannot distinguish Lothleya either and we will have only one big genus Epidendrum for most of the Epidendrum.

As to the Epistrophe sudetica - question. I have seen already, that I have made some blunders in the localisation of the East-Asiatic species of this group. I will send you by sample-post some bits of the Eastern-Asiatic species of this affinity. These you can keep for your herbarium. From

These specimens you will see, what I understand
to be the Epivrouthera mucron, E. sinensis (Lour.) Ames
E. stylites Coll. and evidently a new species, which,
if you like ^{and consider it distinct too,} we may publish together. The blunder
originated by the circumstance, that my manuscript
script of the Epivroutherine-work was not at hand
when I got the sheets of my treatment of the genus
in the Orchid. sin-jap. In fact there I had first
treated the whole as one species, E. sinensis, and
only in the last moment I was able to make the
alteration. These manuscripts had been lying with
the printers for some years and part of the corrections
I had to read while I was called in for front service
and away from my books of reference. The treat-
ment of the Epivroutherine is not supposed to give
a monographic study of the species, for this it had
to be yet too incomplete besides, but it was specially
written with the object to clear up the limits of the
genus. Ep. stylites I know for certain now from Japan,
Formosa and Siam. Epivrouthera mucron evidently
goes from Japan westward as far as the Uddari. Ep. si-
nensis is chiefly Chinese, but I have not yet examined
all the Japanese material now at hand.

With best compliments Yours truly
R. Schlechter.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

3. July 1920.

My dear Dr. Sauer!

Your letter from June 3rd reached me a few days ago and I have at once despatched the copy of my *Urdogscat*-trichia, that you have been asking for, besides a few other specimens, that have come out lately.

I have now been busy preparing a sample-group for the "Tulin" and have chosen *Saxifraga*, because it forms a group of its own and like this *Aleuria* just suited as a sample, besides I have studied the species lately and know them well. In the *Flora Brasiliensis* there is not much more to find, than compilations of the old descriptions. This manuscript I have now finished and sent it off just now by book-post - registered. I hope it will reach you safe by.

Now a few words on *Aleuria* manuscript, which is to show you, how I thought of treating the different groups and genera: First ^(comes) a short characteristic of the group in Latin, then

remarks in English, French or German about
the affinities to the neighbouring groups and
if there are more given a key to these. Follow
now the genera, treated in the same way, i. e.
characteristic generic diagnose (in ablatives) in
Latin, ~~the~~ critical remarks and then key to
the sections (if there are any to recognize) or
at once up to the species. If sections are acknow-
ledged the key to the species is to be given sep-
arately under the different sections. The species
are described in Latin (ablatives) in a not too
long diagnose, then comes the enumeration of
collectors according to the different countries and
below cultivated specimens, finishing with criti-
cal remarks about the affinity etc. ^(in English, German or French) and if possible
stating the colours of the flowers. From my manu-
script you will see, how I think to treat the
different parts. *

If now you think, that it is too long, please
shorten it, but I think myself the descriptions
should average about the length given to them
in my manuscript. The old descriptions, for instance
Gimbley's, are often too short, when it comes to
critical species. I hope like this the whole
finds your approval generally, whenever
you are of different opinion, please let me

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neud. Galm. 5a.

Now, what you wish to change or rather I give you at once the liberty to do the changing in my manuscript and then after this it could go to press, to see, how the whole will do. Here I have treated a full group, often we will have to treat only separate genera. Let me know as soon as possible, what your decision is about the matter, and then I will continue.

Now as to the drawings, I am making analytical drawings of all species that I describe, or at least as far as material is available. If we could publish them (as I have added them to each species in my manuscript) the value of the work would be very much increased and we would create a standard-work or rather the standard-work for all future Orchidologists. This time I have no duplicate copies of my original drawings, in future I will send the originals, at once the time of copying, and after the printing the originals can be returned to me. For your own herbarium I will always add some bits of each species, if possible a specimen (as far as possible of course) and would ask you to do likewise with the species treated by you. Of the Grobys I have no duplicate-influences, so I am sending a few flowers of each species, but I will try to get better material for you later on. If you consent to publish these analytical drawings, I propose to

For my ornithological drawings of all the species I have sketched. I will copy for you

bring them as text-illustrations. I have beside an
idea, that might prove useful. Could we not get of
these ornithological drawings always made 10-20 copies
separately for each of us for exchange with collectors
or the larger institutions. Like this we would have
a chance to get good material, partly of copies of
drawings partly of specimens.

As soon as all these questions are settled, we
can start to bring enough material of our manuscript
together for the first part to appear. If all goes
well, I hope, that we might see this first part
appear in the beginning of next year. For each
part I propose about 5 sheets = 80 pages print.

I will expect your answer with expectation.
As soon as this comes, let us decide about the
sequence of the groups and genera. There is a
little alteration to be done in the sequence that
I have given in my book, "Die Vögelchen".

This book, I am not sure, if you have already
a full copy of it. If not, please let me know,
that I might get you one yet.

This has again become such a long letter,
but things have to be discussed properly.
I hope for a speedy reply. In the mean time
there will be perhaps the answer for on my last
letter from May, 9th

With kindest regards
yours sincerely
R. Schlegel.

September 15th, 1920.

My dear Dr. Schlechter:

Your letter of July 3d reached me in good season, but as I was away on my summer vacation I could not give it the attention it deserved and so postponed an answer until this day. The manuscript of *Grobya* came through all right and I have examined it as a type of the treatment we are to adopt throughout our joint work. I think the simplicity of the arrangement will make our task quite easy and enable us to publish a goodly number of species once we begin to get into our stride. If you will let me know what you think will be the best plan so far as actual publication is concerned I will go ahead with the details. Perhaps one of our large presses would handle the work if a guarantee were to be given that no loss should be suffered.

I have in mind for my first contribution the following: *Isotria* (if that is a valid monotypic genus), *Arethusa* and allied genera (the *Bletillinae*), *Spiranthes* and *Goodyera*. I find that I have a pretty good beginning for *Goodyera* as Eaton and I work on the group before his death. This summer I have been studying *Spiranthes* in the field and I have given the species very careful attention. I found the other day near my house a well marked *cernua-gracilis* hybrid. Just at present I am getting together material for a seventh volume of my *Orchidaceae* and I intend to illustrate and describe our native species of exceptional interest. This summer I studied carefully *Pogonia trianthophora*. I have a colored sketch of the plant that Mrs. Ames made many years ago for a book that never was published. I am sending you one of a few proofs that were taken from the sketch. This will be welcome to you for your herbarium. I am also sending you a flower in formalin-alcohol so that you may examine the parts in perfect condition. You will notice that the pollinia are very much like those of *Arethusa* and not at all like the pollinia of the other *Pogonias*. The rigid attachment of the anther is very different from other *Pogonias*. The pollen itself is reticulated, faintly, a characteristic that I have not noted in other *Pogonias*. *Pogonia ophioglossoides* does not have pollen tetrads at anthesis as do the other species referred to the genus. This peculiarity it seems to me would warrant a still more rigid segregation of species than has heretofore been attempted. It would seem that *P. divaricata*, if excluded from association with *P. verticillata*, would become a distinct, monotypic genus. The reason for removing it from the *P. ophioglossoides* category would be based on its having perfect tetrads of pollen. Aside from the unjointed leaves of *P. trianthophora* how do you keep the species out of the *Bletillinae*? That is, how do you keep *P. trianthophora* out of the *Bletillinae*? After your examination of the material I am sending to you to-day please let me have your opinion of my observations.

conclusions.

At the Gray Herbarium they have received several centuries of your New Guinea orchids. If these are for sale I wish you would reserve a series for me as I am better able to purchase your sets than to obtain them by exchange.

I have just received from the Berlin Museum 225 duplicates of orchids that are of great interest to me. I will write to Dr. Diels at once and thank him for his kindness in bezzing me in mind at a time when so many important matters must be uppermost in his mind.

It will be well, I think, if we are to follow your arrangement of genus-groups for you to send me a revised list of your scheme presented in Orchideen. As I remember the situation you have already added a new group and undoubtedly you have made other changes that have not yet come to my attention. Get this off to me at your earliest convenience as it is very important that we agree on the order of genera and their grouping before we begin to publish at any rate of speed.

Your reprints continue to arrive. Please accept my best thanks for these. Did you remember to obtain for me reprints of the new Philippine species published by Dr. Kraenzlin? You sent me a list of a number of species some time ago.

Did I send you a specimen of the Florida Oncidium that I referred to *O. sphacelatum*. I believe I did send you a specimen as I wanted your opinion regarding it. I am pretty sure that it is not *O. sphacelatum*. I think you will find the specimens in your herbarium. If I can find better flowers than went to you I will enclose them in this letter.

I have thrown this letter together with great haste so please pardon slips included and the important omissions that you discover.

With best wishes,

W. O.

NEW YORK OFFICE
THE ENGINEERING FOUNDATION
33 WEST THIRTY-NINTH STREET

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BOTANICAL RAW PRODUCTS COMMITTEE

BUSSEY INSTITUTION, FOREST HILLS, BOSTON, MASS.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

20. Sept, 1920

My dear Dr. Ames!

After a long waiting I got again news from you. Many thanks for your letter, which reached me to-day. I hope now, after you have returned from your vacations, our correspondence is going to be a regular one again.

It is a curious coincidence, that of late I have been occupying myself for with the Pogonia-question, however from a little different point of view. I had to deal with some of the South-American Pogonias and came to the conclusion, that it would be better to separate Gleistes again from the Pogonia-proper, i. e. P. ophioglossoides and its near allies, and I ^{felt} ~~was~~ convinced, that Triphora had to be kept separate as well. However allies of this plant are several Mexican, West-Indian and a few South-American species, that will have to go then to Triphora too. Most of the others are Gleistes. I will examine the question of this separation more closely now, after I received

the material from you, and then report on it
more fully in a few days. I have been collec-
ting already materials of the Gleistes-set,
since this grouppe interests me specially after
I have examined the fine material in Dureau's
collection. If you agree to it, I will take
up this of cards Gleistes and work it out for
our "Folia". If however you prefer to do it, then
you might do so, but perhaps this special
grouppe might offer you more difficulty, because
the materials are rather scanty. If you agree
to my proposal, I will start at once to work
on it and with the help of Reichenbach's types
and my own will soon master it.

The revised list of the grouppes and
Genera of Orchids, with the generic numbers,
I will work out and send it in in the
course of a few days. Whenever you propose
alterations, we can settle about them by
letters. The best would be perhaps to not finish
a key to the genera at once, and in the
"Preface" of the work we might point out
the present difficulties and mention,
that further work is sure to cause some

Dr. Rudolf Schlechter
Berlin-Schöneberg
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alternatives. Perhaps it is wiser to give at present only a key to the growers?

Of course for my general plant you undertake to work, I will put my drawings, and as much as possible my material or samples of it at your disposal, we must see yet, how we best can arrange about this sending to and for of the specimens. For you make any proposal about this? My drawings of Polypodium I will dispatch registered in a few days, perhaps you can get copied then, whatever you care to do, and then return the originals. Of Goodenium I have a very fine and good material and have yet described 3-4 new species from New-Guinea and China, that have not yet appeared.

As to the New-Guinea - Orchids. A fine set is laid aside for you and many more are going to be added. I hope you will find duplicates for me in exchange. I am very anxious to get the best possible set of the Vanda-like - Orchids, that you proposed for me. About others we will see later on.

I am glad, that the specimens, that I have
been looking out for you in the Berlin-Museum,
have found your approval. Nils told me today
about your letter. The St. Domingo-Orchids are
reserved for you. Would you not send some North
American-Orchids in return to the Berlin-Museum,
or some Chinese ones?

The Ureolium I will try to determine and
report upon it.

I have got here at present Reichenbach's
material of Hombropia, Gouyora and Ureolium
and if I get properly through it, I will prepare
the three genera for the Folia.

As to my plans for the actual publication
I will write fully about this within a few
days, when I send my drawings of Gouyora.

Perhaps you can get the genus Gouyora or rather
the group Gouyoreae ^(in types) set as a sample, that
we might see before the publication, how it
will come out? What you think about the
analytical-drawings? We ought to give,
if possible, an analysis like this for each species.

This much for to-day. Shortly I will write
about the other questions.

with best wishes

R. Schlechter.

Now the volume VI. of your Stenographiae come out already?
to the Kelchmann's edition. Don't you think, it would be best to send the material out as
to me and then let publish the material together under your joint responsibility in the Stenographiae?

Orchidaceae?

9. Octob. 1920.

My dear Dr. Ames!

In my letter of Sept. 29th I promised to send you shortly an answer on your questions respecting the Protonia and the Oncidium from Florida.

The Florida-Oncidium I have tried to identify, after I have now made carefully an analytical drawing of the flower-details. It is not only an ally of O. speciosum, but surely a distinct species on account of the very different columna (especially in regard to the ears of the latter). I think it must be an undescribed species. In some respects it approaches to O. alissimum, but in the callus of the lip is quite distinct, in the latter respect it is surely nearest to O. speciosum and should, I think, be placed next to it, although with these columna-ears one can hardly place it in the group ~~Ventria~~^{Plagi} ~~diversata~~ - obsoleta, but it should be brought into the ~~Ventria~~^{Plagi} ~~diversata~~ - expansum. But these groups, as they are now defined, are very artificial and the genus will need a totally new arrangement in some future monograph.

Now as to Protonia, as I have written to you already I have been occupying myself with this question of late and had decided all ready that Clusia and others

have to be separated again. Now after your letter I have examined some more of the species that I had put aside yet as doubtful and now, I think, I can say a little more about it.

The genus Pogonia as understood by Benth and Reichenb included the following generic synonyms (if we exclude the Merrillia-type, that has naturally nothing to do with it): Glistes, Godonovetia, Topria, Colocetia, Triphora and Psilochilus. If this Godonovetia has been rightly taken out again as belonging to a different affinity, the Colandrinia, an antarctic group. There remain for us the following names: Pogonia, Glistes, Topria (= Colocetia), Triphora and Psilochilus. Topria I have under the name of Colocetia reported in my "Orchideen" on account of the singular leaf-arrangement, which is so remarkable in the whole order, that it should under all circumstances be acknowledged. As I have told you already, ~~that~~ I was ^{of} opinion, that Pogonia and Glistes are better kept distinct. Now after examining this question more closely, I cannot uphold it. I think Pogonia should include P. ophioglossoides and divaricata, as well as the Chinese-Japanese species, and the Glistes-set. The difference in the ~~pet~~ texture of the pollen seems to be more gradual, if you dissect the Chinese species, which no doubt is very closely related to P. ophioglossoides. P. divaricata stands

just in the middle between Pogonia-type and Glistis, and it is to ~~an~~ great extent the culmination of this species, which led me to think, that the separation of Glistis and Pogonia is inadvisable. In Pogonia parvula, from China, I have found the same two glands at the base of the lip as in Glistis, and I see, that P. vivipara has traces of them too.

As to Triphora, however, the question lies very differently. This genus should be maintained, and include besides the N. American T. tridactylophora, a number of tropical species, of which I will give you the names down below.

As you have pointed out to me, the rigid attachment of the anther is unlike any other, but in some of the tropical species ^{the filament} it is not so long, yet there is another character in these Triphora, which I think is of great importance, whereas in Doberia, Pogonia (including all Glistis) the Perianth and column is thrown off after the fertilisation, it remains on the ovary in the Triphora. Psilochilus now has got all the characters of Triphora and should be united with it, but as a distinct section, on account of its habit with rooting ascendent stem and the more fleshy texture of the flowers, which stand in a true peduncle.

Some of the West Indian and American Triploras are so much like the type of the genus in outward appearance that they can hardly be distinguished. Compare for instance, T. glutinoides and T. cubensis.

I come therefore to the conclusion that Pogonia and the nearest allied genera should be divided as follows:

- A. Perianthium et gynoecium in flore emersis et in fructu persistentia. — — — — — Triplora
- B. Perianthium et gynoecium post anthesin caduca.
 - I. Folia alternata; flores subsessile, bractea foliaceo protecta. — — — — — Pogonia
 - II. Folia vix verticillata; flores pedicellati, ut videtur corollati. — — — — — Gotria.

Triplora should be divided in two sections, even, hardly in three, namely.

- § Psilochilus, caule ascendente, ad nodos radicante, rotundato; floribus cernuis ^{in cernuis} ~~in cernuis~~ ^{in cernuis} ~~in cernuis~~
 - Spec. 3. 1. T. macrophylla (Hall.) (Pogonia macrophylla Hall.) ^{Ames & Galt.}
 - 2. T. modesta (Rodr.) (Psilochilus modesta Rodr.) ^{Bonin}
 - 3. T. chordata Ames & Galt. (Pogonia chordata Galt.) ^{Chloris}
- § Eutriplora, caule erecto, foliatis; floribus candidis, in axillis foliorum superiorum.
 - Spec. 9. 1. T. trinanthophora. N. Amer.
 - 2. T. Hassleriana (Pogonia Hassleriana ~~Goy.~~) ^{Guayana}
 - 3. T. lutea (P. lutea Galt.) ^{Guayana}
 - 4. T. surinamensis (P. surinamensis R. P.) ^{Guayana}
 - 5. T. mexicana (P. mexicana Vahl.) ^{Mexico}

6. T. nitida (Pogonia nitida Galt.) Costa Rica
7. T. debilis (P. debilis Galt.) Guatemala
8. T. guatemalensis (P. guatemalensis (G.) Fryx.) Panama
9. T. cubensis (P. cubensis R. P.) Cuba

§ Yapropogonia, caulis proxi, erect, aplyllr. flore singula
bracteae parvae protectae, decidui.

- Spec. 3.
1. T. miserima (Pogonia miserima Fryx.) Cuba
 2. T. pusilla (P. pusilla R. P. & Wron.) Brasil.
 3. T. Wiegneri (Galt. Ann. ex Panama - ex Wiegner.)

Pogonia should include the Bu-Pogonia, from Panama
Guam & W. Amer., or second section including P.
divaricata and a third with leistes, all to-
gether about 30 species.

Dactria containing only two W. American species

- via 1. Dactria verticillata R. P.
2. D. affinis (Pogonia affinis A. D. C.)

Here I have shortly laid down my opinion of Pogonia
Triplocha and Dactria, as I think natural after
some study of the question. I will not deny, that
it is possible, that Bu-pogonia and Section II with
P. divaricata might be separable yet, but until now
I have failed to find prehensible characters, by which

one can define the limits properly and in such a way, that they might be recognized for in studying the dried material.

As to the Polypodiaceae in their vegetative characters now some of the species have sometimes one of the roots swollen like a tuber, but these are not like the stipitate tubers of Vochia or Pterostylis etc, which have got the bud for the next shoot on their own top, or like the tubers of the Saxifraga ovata consisting of several fleshy nodes or the tubers of the Blechnum ^{consisting of} with the swollen base of the stem with scales or leaf-sheaths. The Blechnum besides have folded grass like leaves.

If you care to, or find my views on Trichomanes and Polypodium acceptable, you are of course at liberty to make use of them in any way you wish. Only I would like to know in time your opinion. The drawing of the Trichomanes and Dactyloctenium affinis we might then publish under jointed authorship, if you care to do so. As to Dactyloctenium and Saxifraga I have no possibility here to see the original publications. It would have to be found out yet, which has the priority by nomenclature-rules.

I am working out now the following of the grasses and Juncus ^{for out. Tolpin} must hope, to be able, to send these lists to you shortly.

With best wishes In haste

R. Schlechter.

November 23d, 1920.

My dear Dr. Schlechter:

Your good letter of October 9th came to my hand about two weeks ago, but I have been so pressed with University work and instruction that I have been unable to settle down to answer it in detail.

With regard to the *Oncidium* from Florida I agree with you that it is not to be confused with *O. sphacelatum*. I once went over it with Rolfe, but he was of the opinion that it would be unwise to attempt an identification until we had seen some of the obscure species preserved in the sealed Reichenbachian herbarium. Since that time I have simply kept the material in mind as one of those problems for which a solution would some day be found.

I have been over your outline of *Pogonia*. Your key needs revision where the persistent perianth of *Pogonia* (*Triphora*) *pendula* is concerned. For this reason: I sent to Connecticut late in the autumn for fruiting specimens and I found that the perianth, while it tends to persist as in *Arethusa*, is sometimes wanting at fruiting time. When I wrote to you the first time about this character I had not seen sufficient material.

I am just about ready to settle down to work on some group that I can finish up promptly. As yet I have not completed the task of moving my herbarium from the country to the city, but I fully expect to get everything in hand next week. Then I intend to co-operate with you to the fullest extent of my powers. I have temporarily misplaced the manuscript of *Grobya*. I had it in hand when I was packing up my materials for transference to my Boston house. I either put it with papers that were overlooked when I moved, or I have it here in some place that I have not searched. I am sorry about this as I wanted to give the manuscript into the hands of some printer for a trial proof. I am now planning to go to North Easton next week and while there I must make a concentrated forage among my laboratory papers.

To-morrow I will send you the sixth volume of *Orchidaceae*. It came from the printer recently and I am now ready to distribute copies to my friends. I think you will be pleased with the Mt. Kinabalu orchids and with the other species that make up the book. There are twenty-one plates to help you out where the descriptions may not give all that is necessary for an identification. I am reserving for you SET NO. ONE of the Mt. Kinabalu orchids. That should be very welcome news as this set is a very good representation of the collections made by Clemens and contains many new species.

My Kinabalu orchid list includes over one hundred species collected by Clemens that are new and distinct. This will give you some idea of what to expect in the way of exchange when I send you the set of duplicates that has been reserved for you. I also have a large number of Philippine orchids ready. Although these include species that you already have, many of them are duplicates of collections that were limited to a few specimens and represent extended distribution. Extension of range is of very great importance in herbaria of Philippine species. This I know you realize as fully as I do.

I am writing to-day to Dr. Diels asking him to send to me in part exchange some specimens of economic plants for my class-room herbarium. I have to teach the botany of tropical medicine as well as economic botany and it is necessary to have material that represent the poisonous plants of the tropics that are used either intentionally or accidentally with serious consequences. There are a number of drug plants, too, that I want to represent. Undoubtedly the Berlin Museum has duplicates from Africa that would give strength to my collection. If you can help me in any way in this department of science I hope you will do so. My course in tropical medicine begins shortly after the first of the year.

Prof. Merrill has been spending several days with me. He has asked me to send to you direct the duplicates of Philippine orchids that would normally be set aside for you, the exchanges for these to be sent directly to me here for my collection. I will also set aside a set for the Museum. Will you please inform Dr. Diels of this when you see him and ask him to consider the Philippine material I send him as exchange material for my herbarium.

I have not yet had an opportunity to work on the *Spiranthes* specimens you sent to me. They were more welcome than I can explain to you. I have also received a series of specimens from New Zealand that I am anxious to examine in connection with your remarks regarding the rostellum. I am not yet convinced that we have arrived at finality with regard to the *Spiranthes* question presented by the Asiatic species. I am not yet ready to follow your conclusions because I have seen how puzzlingly variable *Spiranthes* can be even in the same field. This summer I worked out the variability of our common *S. cernua*. I found that variation was in large measure due to the number of years old the plants happen to be! I studied the species from the seedling stages through plants that exhibited signs of many years of growth. This study explained why it is that in the same field one can find specimens that seem to represent well marked varieties. I worked on *S. gracilis* too and found that the same rule holds good with regard to that. Merrill from his observations of the Philippine and Chinese plants* he has seen is inclined to adopt my views with regard to *S. sinensis*. I have just finished conscientious studies of the material in our National Herbarium, The Gray Herbarium and the Herbarium of the New York Botanical Garden. My assistant went over the same ground independently and arrived at the same conclusions that I did.

** (Specimens in the field.)

I am now waiting for your genus groups and key. When this arrives I will select some of the genera that I am in a position to take up now and let you know what to expect from me in the near future. I am not yet clear in my mind as to the best form in which to begin publication. Perhaps an interview with one of our best publishers will bring much needed light. In the meantime I would welcome from you any suggestions that you may now have to offer.

Merrill while he was here referred to a paper that you had published on Polynesian orchids. I do not remember to have received this from you. Please send it as soon as convenient as I expect to have some Polynesian orchids to work up in the course of a few weeks.

I envy you your opportunity to examine the Reichenbach herbarium. If you note anything worth while with regard to Philippine orchids I wish you would keep me informed. There are several of the obscure Reichenbachian species referred to in my work in Orchidaceae that I would like to get notes on if not sketches or photographs. Perhaps you can get sketches or photographs made for me. I will send you the necessary funds to pay for any such work that you can have done for me.

I have not yet received from Dr. Kraenzlin descriptions of the new Philippine orchids that he has recently published. If you see him I wish you would ask him to bear me in mind. He has usually forwarded his publications, but this time he has forgotten me.

Yours very sincerely,

Dr. Rud. Schlechter.
Berlin.

355 Commonwealth Avenue, Boston, Mass.
December 10th, 1920.

My dear Dr. Schlechter: In my last letter I referred to the fact that I had temporarily misplaced the manuscript of *Grobysa*. Day before yesterday I went to my country home in North Easton and found the manuscript. I intend to take it to some printer or publisher to ascertain what it will cost to produce the Folia. Just as soon as I obtain satisfactory figures I will submit them to you and we can begin to get out the work. It would be well, I think, to have several genera ready before we start publication. Do you not think so? It will also be necessary to have in hand at the start a keyed synopsis of the genus groups. Will you please attend to this at once and send me your version as soon as possible. I would suggest that we publish the synopsis as a temporary or rather tentative introductory chapter, this to be so produced that subscribers or purchasers of the Folia can make such additions or corrections as become necessary during the production of the work. Later, or at the hoped for conclusion of our task we can prepare a final synopsis.

My class work for the University is beginning to ease up now, and I intend to take up some small group as my first contribution to the Folia. I have in mind *Isotria* as a beginning because I did good work on the species this summer and as I have good drawings ready and very good notes made in the field. Just as soon as I settle down to my task I will send you a list of the genera that I have in hand.

In your orchids of Ecuador published in Fedde XIV (1915) 131 you describe Pleurothallis Millei, and then again in vol. XV (1917) 436 you publish another species of Pleurothallis under the same name. If you have not already noticed this you will wish to correct the duplication in a forthcoming publication.

If you have duplicates of tropical American *Triphoras* I would like very much to have them as I want to take up this group in the Folia. I would also like to have any other duplicates that you have ready for me. I am taking the liberty of sending to you a draft for a small sum of money that will reimburse you for postage. This will go under separate cover. As I am going to have more material for the Berlin Museum I hope you will help me to exchanges that will strengthen my herbarium in special groups.

When you have the opportunity I wish you would give me a detailed statement of your views as to the financing of the Folia.

Have you a list of the Lehmann numbers of Pleurothallis? I find that I have a large number of unidentified species and if you have worked up this Lehmann material I would welcome the saving of time to me that a list of your identifications would make possible.

I have been working recently on some British Guiana orchids for the Gray Herbarium. Among other interesting things I have what seems to be a new genus. I will send you some sketches and a flower so that you can have a record for your herbarium. When

Dec. 10th, '20.

you receive this material I would welcome your opinion of it.

In January a friend of mine is to start on a collecting trip through Colombia. I have offered to pay the expenses of a botanical collector who will accompany him and gather material for me of orchids and economic species. If this plan comes to anything I will send you a set of duplicates. I have other co-operative schemes in mind and you may depend on me to share with you if I receive material in duplicate.

By this time the sixth volume of Orchidaceae must have reached you. I hope you will find the work helpful and worthy of praise. I have set aside for you the first set of duplicates of the Clemens and Haslam specimens. There must be nearly two hundred specimens in the set. I also have a set of the plates ready to send off to you. These will be of interest for your herbarium.

I understand that Rolfe is about ready to retire from the Kew staff. About a year ago he wrote to me about this and suggested that we might co-operate in some way with regard to orchid work. I have not heard from him since. But I expect he will keep me informed of his plans.

Yours very truly,

Charles Darwin

Dr. Rud. Schlechter.
Berlin, Germany.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

12. Dec. 1920.

Received Jan. 23, 1921. Letter of Jan. 8, 1921
was received earlier.

My dear Dr. Bues!

Best thanks for your interesting letter of Nov. 23. I was already getting a little impatient, because there were no answers from you on my last letters. In the meantime I had worked out the list of the *Orchard*-groups and genus and the key to the system, but was waiting to send it off, until your reply came. I am sending this manuscript on to you now. I think, that you will be satisfied with it, as there is a great lot of labour and the result of hundreds of analyses contained in these few pages. This manuscript we ought to bring, I think, with the first part, that we publish of the "Folia". It should serve as an index for the numbers of groups and the genera. There will be, of course, while the work progresses, some alterations needed, but we have to give first a general review, how we expect to get the genera arranged. I have myself furnished with a lot of papers

tions, that I can bring out several genera very soon. I only wait until you tell me, that every thing is ready to go ahead.

As to the list of genera, you will perhaps be kind enough to see, if you miss a genus? I do not think, that any are missing, but perhaps there might be one or the other publication, that I have not seen during the last years. If you find any, please insert them and get the numbers shifted. Any new genera, that will appear then, after the publication of this list, would have to be inserted with a, b, c, etc. numbers. You will see, that a good few alterations are made in my new compilation of the groups. The system, as I propose it here, seems to be a natural one and, although the one or the other of the groups might have to undergo a change, I think generally it will stand well for the order. There is one question, that has troubled me several times. I am almost convinced, that the Dirivudae should be treated as a distinct order Syringedilacae, however I was not yet quite ready to propose it.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

Under No 563 you will find a genus Auresicella.
This I have taken the liberty to name after you;
it is supposed to contain the Aureocoid phyllopi-
nae stems, which is quite distinct from any of
the Aureocoid-genera. The question now arises,
if, in giving the list of genera, we ought to
give to each at once the synonyms? I myself
think, it is perhaps not needed, these synonyms
will mostly be easily found out from other
works. If, however, you would prefer to have them,
you could perhaps get them added from my book
"Die Orchideen", where they are nearly all enumerated.
Aed.

The chapter I. "Das System der Orchidaceen" could
perhaps just as well be printed in English as well
as in German, as it is only short (about 3 pages
print), it would not matter, if it appeared
in both languages. If you are of my opinion here,
you could perhaps get it properly translated?
As the key for the groups is altogether written
in Latin, it will serve well generally.

You will see too, that I have kept separated
Destructivism and Acridism. This is, I think,
needed.

About the other items in your letter I will
write in the course of this week. There are
quite a lot of questions yet to settle and I will
not bother you at once with too long a letter.

The manuscript I am sending off, registered
to-morrow. I hope you will let me know at
once, when you have received ^{it} (and, if possible,
let it go to the printers, soon, that we might
have the lists at hand again soon.

The general "Preface" for the "Folio", if you
think such a one needed for the first part,
you will be perhaps kind enough to write.

I wonder, how you will like the manuscript.
I think myself, with it we have got a little step
ahead in the system.

You will hear more in a few days in
answer to your different questions.

Yours truly

B. Gehrlecker.

My best wishes for a merry Xmas and a happy
and successful New Year.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Cölustr. 5a.

17. Decemb. 1920.

My dear Dr. Ames!

I had to postpone a little the sending off of my manuscript on the System of Orchid culture. It is however going off now, as a registered Manuscript. Will you be kind enough to let me know at once, when you have received it?

Now, after you have received the arrangement of the groups and genera, I hope, that we can soon start with the printing. As soon as I hear, that everything is ready, I will put myself to work.

As to the ways, how the printing could be done, I have no new suggestions to make, as I have put all these already down in my different letters. When we have got the first sample-proof sheets, we will be able to judge best, and besides I know, that

I can fully trust all these arrangements into your own hands. We have a heavy but worthy work before us, when we start with the "Folia", and as it will take many laborious years to finish with this work, we must not lose too much time to start.

The work we contemplate to take on us, is a task, that has been the ambition to do of several botanists. Let us show the world, that we are the right men for it, and not only to try to do it, but to do it in such a way, as it should be done.

As I have written already in my chapter on the "System", it is only natural, that during the progress of the work, when we yet do know all the species, some changes will be yet needed, but I think, that we are not very far now from the proper natural system of the Orchidaceae. When we are able to finish the whole family like this, we will have finished the biggest "Monograph", that has ever been undertaken, because I am sure, that the Orchids contain

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

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even more species than the Compositae.

Now I have to write about some other points, as to the Reichenbach-Herbarium. I propose to you, that you should draw up a list of these Philippine-Orchids and of such species of the groups, on which you would start in the "Folia" first, ~~of~~ of which you wish to get analyses or analytical drawings, ~~even~~ finally sketches or photos of the types in the Herb. Reichenbach. You could then send me back over to Vienna for some days and I would do on the spot, what is needed. Knowing the genera, as I do, I could see to find out properly the chief points of the species in question. This would be the cheapest and the quickest way to get these questions settled. Where I would see a chance, I could then perhaps meet with ~~the~~ authorities to get now and then a flower of the type ^(for you) (and otherwise send the information that is required).

Wherever types are concerned, that I have deposited in my own herbarium, you can return with all the goodwill possible. I will not only get the analytical drawings get copied for you, but to send you flowers, whenever there is any possibility to do so.

Now another item. As I have written to you already, my manuscripts with the contributions of the Orchid flora of Ecuador, Peru and Bolivia are ready for print since a long time. Printing costs have however got so high here on account of our bad weather, that Fedde has no funds to go on with the publication. The ~~total~~ three parts together would amount to 30-40 sheets (16 pages each) printing and at the present state of our valuta this would roughly cost about 450 Dollars. As these publications largely contribute to the knowledge of American Flora, I thought, that this sum could perhaps be subscribed by the American Museum or by one of the

booksellers-firms, who would get it repaid
in copies of the whole publication. Would
it not be possible for you to help me in
this matter by recommending me perhaps
to some firm or by getting the subscrip-
tion together? As soon as we have got
any money at hand, the printing would
go on. You would really forward the publi-
cation very much, if you could help here.

You must excuse me, that I have not yet
forwarded you the list of determinations of
Lepurum Orchids. I got it copied already
some months ago, and it is lying in my ^{writing}
table since then, only I have yet to look through
all my Colombian-Orchids to make the entries
out of all the later determinations. Perhaps I
will find the time during the Xmas-holiday.
As to the Lepurum-Orchids, that you do not
find in this list then, I would propose, that

you send the list to me, and I will determine
them. The novelties we can then describe under
combined authorship as we have done with the
Wilson-Orchids. Would this proposal meet with
your approval? I think, it would save you
trouble and give you the collection back all-
determined. The manuscript I would then draw
up and then send it to you for publication in
the next part of your Orchidaceae. If you
agree to this, write perhaps until you get the
list, that only the really undetermined num-
bers need to be sent.

It has so unwisely become a long letter, yet
I could not help it. I propose to you, that we
draw up together our article on the question
Acorioidium and Dendrochilium and then shift
the names where needed. My notes I will put
together in the next weeks and then send them
to you. Acorioidium will be a large genus,
with 2 species
(exclusive to the Philippines).

Hoping to hear soon again from you
Yours very sincerely
A. Schlechter.

When my attention to your list is over, I shall copy it and come in. It is very inter-
esting. I will write more about it next letter. If you have any more questions.

(A)

355 Commonwealth Avenue, Boston, Mass.
December 22d, 1920.

My dear Dr. Schlechter:

Just a few words to wish you
a Merry Christmas.

I enclose a small photograph
and two flowers of my new genus from British Guiana.
Please let me have your opinion of it at your early
convenience.

Among some specimens that came
recently were several *Spiranthes* from New Zealand. I
examined these this evening and found that the rostellum
was not developed. This observation agrees with
yours. This is rather an interesting deviation. Are we
to regard it as of specific importance where the other
parts of the flower are so nearly in agreement with
Spiranthes sinensis et al.? Is this a comparable case
to my *Epidendrum cochleatum* var. *triandrum* from Florida?

My classes end on January 27th
and from that time on I expect to give my undivided
attention to orchids. Just at present I find it very
difficult to prepare lectures and at the same time do
good work in the herbarium. I have at last moved my
entire collection to my city house and I am ready now
to handle several problems that have been held in the
background.

I have arranged with the Canton
Christian College to develop our knowledge of the orchids
of the provinces round Canton, China. I hope this will
bring in duplicates for exchange with you. I also hope
to obtain material from Colombia through an expedition
that starts south in January to be in the field a year.

With best wishes for Christmas
and the New Year,

Yours sincerely,

Oakes Ames

Dr. Rudolf Schischter
Bartha-Schönberg
Neue Culmetz. 5a.

1. Jan. 1921.

My dear Dr. Ames!

Best thanks for your interesting letter of Dec. 11th, which reached me the day before yesterday. To save time, I will answer it at once.

With greatest interest I see, that you intend to take the question of the "Talia" into your hands now with energy. As soon as the preliminary preparations are finished and the work is started, I am sure, that will go ahead quickly enough. I could provide you with groups of quite a number, even of medium-sized genera, since I have been preparing such work for years already. I have for instance finished all the Polychaetozoa of our strait, in which my hobbyism is very strong. Every species nearly is analysed and drawn up there, and besides there are very many other genera nearly ready, like Blatta, Trigonia, Chysis, Axyphyllum, nearly all the Porereae and quite a lot of African genera. So you see

about we have got material enough, to start on.

Now to your letter. Of the Erbyon - sheets I will be glad to receive the proofs as soon as they are ready, to see how the whole will turn out. On the 12th Dec. I have written to you and dispatched the manuscript with introduction of the System and Groups as well as the complete list of genera. You will see that my letter will answer already quite a lot of your own proposals and for this I am especially glad, because it shows, that our intentions about the work are agreeing in every detail. If we publish, as I proposed, these introductory notes in English and German, we will, I think, have nearly sufficient manuscript for a first part. I myself would suggest, that the parts we bring out, should consist allways of 3-5 sheets, of 16 pages each, that is, every part should contain about 48-80 pages, but the genera should be arranged in such a way, that their leaves could allways be handled separately, as long as they do not belong to one Group. That is to say, they should be given out in the same way, as was done with

3.

the "Folia" of Linsley. At the base of the first page of each year^{two} and, if it consists of several sheets, at the base of each sheet-first page, should be given the exact date of its appearance or publication.

The work will be needed for all the larger herbaria and larger libraries and besides we must reckon with a fair demand amongst Orchid-owners here, therefore the best would be, to fix a certain price for the sheet in subscription (or a special one, if any parts are bought singly, which however should be restricted to a very limited number of copies). The amount, that is to be charged for each sheet in subscription is, of course, a simple question of calculation of the publisher, and will, of course, much depend ~~upon~~ from the amount of illustrations, that we will bring in the book. However, as to the latter, I would much welcome it, if we can be very liberal. The ideal would always be of course, to give, if possible, an analysis of each species and of each yards and section a figure representing the habits.

The duplication of Pseudobulbium Milleri Yellb. & had discovered already, in my Review of the Orchid-

flower of *Dendrobium* I have changed the name already.
I wish only, I would be able, to go on with the printing
of these "Orchid flowers of the American borderlands."
About this I have written already in my last letter.

I got quite a number of Tropical-American Triphoras
but unfortunately the material is always very scanty.
I can get you sketches made of all of them and
get my analytical drawings copied for you. This
would certainly not cost very much here, even
nowadays.

The new genus from British Guyana will cer-
tainly interest me much. I wonder, what it will
be like. Most probably you have got already the
specimens, that I sent out lately, in which my
new genus Neobattletia from Brit. Guyana and Brazil
is contained. If you will send me a sketch of your
plant and a flower for analysis, I will gladly let
you know my opinion about your plant. As to the
genus I am now, I think, so far, that in most ca-
ses I can tell at once, what any Orchid is, as soon
as I have had a look at it.

The list of Leptocarpus-Orchids, as far as I can revise
it, I will send you in a few days.

Wishing you an successful New Year

Yours truly

R. Schlechter.

355 Commonwealth Avenue, Boston, Mass-
January 8th, 1921.

My dear Dr. Schlechter:

Your letter of December 17th came last night. I am delighted to learn from it that the last volume of Orchidaceae reached you in good condition and that you find it interesting.

I ~~am~~^{agree} with you that we must push forward our work on the orchid monograph and get the first part out before the public at the earliest possible time. I am ready to give my attention to the work and I will communicate with you again soon to let you know how I am getting on.

Now with regard to Dr. Fedde and the monographs of the orchids of Ecuador, Bolivia Etc. I can advance \$450.00 out of my own pocket and if this suggestion meets with your approval let me know and I will send you the amount. If you approve of the suggestion perhaps you will see to it that I receive my copies on a very high grade of paper. I will give orders to have one hundred dollars sent to you to-morrow. When you receive this you can start printing and the balance will be forwarded when I hear from you that my suggestion is welcome. I am very anxious to help orchidology in every way and it is a great pleasure to hasten the monographs to which you have referred. *Perhaps you will help me by sending me some material, sketches of types etc. that will be useful in my herbarium.* I will consider this an ample return for my help in getting the monographs published.

Now with regard to the Reichenbachian Herbarium. There are many Philippine species referred to in the fifth fascicle of Orchidaceae under *Habenaria*, *Coelogyne* etc. described by Reichenbach of which I would like to have sketches. Some of these we know perfectly well, but I have a keen desire to possess records of all of them.

Habenaria aristulifera

Habenaria falcigera

Habenaria ponerostachys

Habenaria tipulifera

Coelogyne marmorata

Dendrochilum magnum

Dendrochilum pumilum

Dendrochilum rhombophorum

Pholidota triotos

Ceratostylis retisquama

Calanthe lyroglossa

Dendrobium auroroseum

Dendrobium Bullenianum

Dendrobium cerinum

Dendrobium metachilinum

Dendrobium modestum

Dendrobium profusum

Eria brachystacya

Eria rhodoptera

Eria ringens

Bulbophyllum braccatum. Detailed sketches of flower etc.

Bulbophyllum antenniferum

Bulbophyllum auratum

Bulbophyllum balaeniceps

Bulbophyllum saurocephalum

Grammatophyllum Wallisii

Luisia valida

Saccolabium pumilio

Cleisostoma ringens

Sarcanthus stiolatus

Cleisostoma subviolaceum

Cleisostom vitellinum

Trichoglottis atropurpurea

I think this list will give you a fair idea of the species I want looked up for my herbarium.

You ask about what groups I intend to begin with for the Folia. I have had in mind the Elettillinae and if you can send me material of Elettilla to begin with you will help wonderfully. I believe you added to this genus in your work on the Sino-Jap. flora and of course I lack the new things. I also want material of Pogonia and Triphora. Notes on Reichenbachian material in connection with any of these things will be most helpful.

There are many things to write about, but as I am now called on to prepare a paper for a lecture to-morrow afternoon I must bring this letter to a close.

With the best wishes of the season,

Yours sincerely,

Osaka, Japan.

Memorandum Foreign Check Issued

(Check should be sent by registered mail)

No. 111752

1/10

1920

Date

Sold to Cakes Ames

Address 35 F. Commonwealth St. New City

Foreign Am't 14483⁰⁰ @ 1.45 \$ 210.

Payee Rudolf Schlechter

Drawee Bank Deutsche Bank

City Berlin

In duplicate

DEBIT

THE FIRST NATIONAL BANK OF BOSTON

Cashier

Customer

Ward By

Yes — No

ETM. 355 Commonwealth Avenue, Boston, Mass.
January 10th, 1920.

My dear Dr. Schlechter:

I am enclosing a draft for \$210.00 toward the cost of producing your papers on the orchid flora of South America. Ten dollars of this amount you may use to defray postage on specimens. I realize that postage on large packages is expensive and I do not wish to draw on your funds for this item. In my letter to you of the 8th January I explained the basis on which I am sending you this money. It is purely for the benefit of our science, but as you may feel that you are in a position to help me with my work I have suggested a means of repayment that may not be wholly beyond the bounds of reason. I will send to you \$250.00 more when I hear from you that my proposition is acceptable to you and to Dr. Fedde.

There is one other thing that you can do for me. I would like to have a list of the Wilson numbers pending the return of the specimens that I loaned to you.

I believe I have already informed you that the paper on Grobya came to light and that it is now being used as the basis for an estimate of printing costs.

I am much interested to your reference to Nabalua. I would like to have a sketch of the second species.

Yours very sincerely

Oakes Ames.

in your proposal to visit Vienna for purposes of study in the Reichenbachian Herbarium. Let me know what the costs of such an enterprise will probably be and I will be glad to help out to the full extent.

By this time you will have received the draft for \$210.00 that I sent to you. It will be a pleasure to know that this will help in the publication of the South American papers.

Since the war I have not attempted to complete my files of Orchis. What is the status of this periodical? I want to keep this work up to date.

I have no material of your new genus *Neobartlettia*. I would like to have some representation of it in my herbarium.

My last lecture for the year comes on Tuesday next so that I will now be able to try to catch up with you in the preparation of manuscript. I suppose this will be ~~an~~ less undertaking as you seem to have had the *Folia* in mind for some years and have used your opportunities to the best advantage. Have you considered the advantages of getting Rolfe to help out in the work. He must have a pretty large acquaintance with some of the groups and his aid would give the *Folia* a decided impetus toward the clearing up of some of the technical groups in which he has been interested through many years.

Your very sincerely,

Oakes Ames.

19. Jan. 1921.

My dear Dr. Sues!

Only to-day I got your letter dated 22. Dec. with the photo and two flowers of the supposed new genus from Gwaynam. The plant is *Stygnisia pulchella* Zoll. For this compare my article *Stygnisia* in *Industrie Verwandelten* in "Orbis" 1918. I have sent you an offprint of it. I write in haste this card, that you might not perhaps publish the plant in the meantime. I hope you will have got my letter from 12. 13. Dec. and

Postkarte

1. You. I am very anxious
to hear, what you think
of my proposals. I will
write more fully soon.

With best compliments

Yours sincerely

R. Schlechter.

Dr. Rudolf Schlechter

Berlin-Schöneberg

Neue Culmstr. 5a.



Dr. Charles Ames.

355 Commonwealth Avenue

Boston, Mass.

United States of North America

355 Commonwealth Avenue, Boston, Mass.

January 22, 1921.

My dear Dr. Schlechter:

I find that we do not have here volume XXX of the publication in which Kraenzlin publishes the Philippine orchids of which you sent me a list some time ago. Our files stop with the year 1913 and have not been completed since the war. Do you suppose you could obtain the Kraenzlin paper for me. He has not sent me any of his reprints lately and I am at a loss for the descriptions of his new species.

Your letter of January 4th arrived last night. I have no report to make on the Grbya article. I had to have it transcribed. It is now in the hands of a publisher for an estimate of costs. I have taken a few liberties with the manuscript. But these will not disturb you. For example, in abbreviations of authorities I like to have the vowels used where possible. Lindl. for Lindley rather than Ldl. Reichb. instead of Rchb. I am also establishing a uniform system for the citation of books. If you continue to send your manuscript in your own hand writing I wish you would be very clear as my stenographer finds the transcription difficult although he knows his German and Latin well.

Your suggestion regarding the copying of your analytical drawings meets with my full approval. I will be pleased to defray expenses of having photographs made of your new genera etc. You may use your own judgement in this matter although I think it will be well to limit the first experiment to one hundred dollars. If you will let me know that this meets with your approval I will send you a draft when I hear from you. I am also interested

27. Jan. 1921.

My dear Dr. Ames!

To-day I received your welcomed letter from Jan. 8th and the letter from Jan. 10th with the cheque enclosed. Accept my sincerest thanks for this great present, which will enable us to continue with the printing of the "Problemas floren de su historia y la civilizacion de las cordilleras andinas". All your conditions I accept very willingly and you will see, that the money will be well applied. If you will be so generous, to forward another 250 dollars for the finishing of the work, you would indeed put me into great obligation to you.

We will start at once with the printing of the part III. (Cuzco) of the work. The manuscripts of all the remaining parts (Peru and Bolivia) are finished too. I have only to add yet a few novelties, that I have received since their completion. The copies for you I will get printed on a very good paper and I hope, that I will be

able, to satisfy you in this respect.

The duplicates, that I have put aside for you, I will send off soon and, besides, I will at once return to you the specimens of the Chinese Orchids. Of New-Badinea Orchids there will be heaps of further specimens coming, when I continue the distribution, which will be in April. ~~It~~ Owing to the want of coal, we are in our lodgements not able to heat all the rooms and for this reason such work I must always postpone for warmer days, when the room, where I got my duplicates lying and where only I can do this distribution, is warm enough.

As to the Philippine-types in the Reichenbach-Herbarium I will see, what I can do. I am however not sure, if they will send them over to Berlin. They have hardly any help in Vienna and therefore no possibility to look out the single specimens, I therefore ask always for the different genera. However, I will try, what can be done, otherwise you must have patience until I get a chance to go over myself once to Vienna, when I promise to settle everything at once.

I will look through my materials and see what
I can do in the way of material of the Plethi-
nae. Of Plethilla I have lately described 3 more
novelties, about 3 found in the collection of
Dr. Kimpicht from China.

I have written to all my correspondents
for material of *Polysia* and *Triphora*.
Of my own novelties I could get you perhaps
sketches made and copies of the many ana-
lytical drawings, that I have got of the
group.

Have you not yet got my manuscript with
the key to the groups and the enumeration
of the Genera? I am very curious to hear what
you will say about it. I am convinced, that
with this not a bad piece of work is done and
about it is a good introduction of our "Tolia".

If we could step before the public with
the publication and advertising of the first
part of the "Tolia" in April or May it would
be very good, and, after we are really going
or rather have started, you can depend upon it,

that you will receive from me regularly new
manuscripts.

I am expecting to hear from you yet in the course
of this week, that you have received the manuscript
of the introductory chapter. In the manuscript of
Gröben you will be perhaps kind enough to insert now the
number of the group and of the genus itself. As to the
names of the groups, you will see that instead of
the end-syllables "iinae" I have always written "eae",
i. e. "Pucidiidae" instead of "Pucidiinae". This is done
in concordance with the names of the other groups
in all the other orders in the *Plantae-familien* as well
as in *Bot. & Bl. f. Gen. Plantarum*. I fitler made a mistake
in giving the end-syllables "iinae". They are ideal for the
subgroups, whereas I fitler has reversed this.

With best compliments and once more
many thanks for your generous help for getting
my work.

Yours very sincerely
R. Schlechter.

3. Febr. 1921.

I have kept this letter back, in the hope to get a word
from you concerning the manuscript, but as nothing
has come until now, I will send it off. I hope you will have
received the manuscript all right.

Yours very sincerely
R. Schlechter.

During the last few weeks I have looked out for you a lot of specimens of *Scenium*
collected from the vicinity - especially in the *Reichen-Herzberg*. It is a good set of *Scenium*

255 Commonwealth Avenue, Boston, Mass

January 29th, 1971.

My dear Dr. Schlechter:

Your manuscript of the System and Orchid Groups arrived yesterday. I have hardly had a chance to look at the work carefully, but I noted the number of genera included and felt a bit discouraged at the task it will be to define these so that future generations can tell where one leaves off and the other begins. You have omitted *Spathiger* Small based on *Epiderdium rigidum*, *Auliza* Salisb. which Small recognizes, *Epicladium* used by Small for *Encyc. Poethianum*, *Anacheilium* Hoffm. and *Nidema* Britton for *Encyc. Ottonis*. Surely you do not wish these added to your list of genera, and yet, if we are to be consistent I cannot see how we can pass over the work of Britton and Small. I also note your use of the "I" form of the genera of the *Cypripedilinae*. I was discussing this matter of genera, poorly conceived orthographically by their authors, with Dr. E. L. Robinson, for whose opinion with regard to the niceties of usage I have a very deep respect. He was emphatic in holding that we have no botanical right to make changes in the spelling of these genera. I also note that you retain *Paphiopedilum*. For this group should we not take up *Cordula* Raf.? And what about *Pissipes* for *Cypripedium acaule*? I saw the other day a publication with regard to the soil conditions that prevail in the homes of our native orchids of New England and the author found justification for *Pissipes* as a genus because it differs in its soil requirements from the other *Cypripedia* of our local flora. I have a strong feeling that the literary sources of the genera should be given if you will agree to this I can have my assistant add the references.

I note that you have not picked up *Kingiella* for *Doritis*.

I have felt for a long time that the *Cyrtipediinae*, or rather the *Diandreae*, should be regarded as a distinct family but I have hesitated about proposing this as I have been of the opinion that tribal worth perhaps gave us a wide enough separation to emphasize taxonomic differentiation. Surely if we take out *Acontasia* et al. we ought not to hesitate about the *Cyrs*. If the recognition of groups is to help toward a simplification of classification, then the removal of the *Cyrtipediinae* will be a help. There is a tremendous jump from the *Cyrs*. to the grand alliance of orchid genera that we refer to the *Vanandreae*, and I always felt this very keenly in my orchid houses. Aside from structural characters there is what I call an aura, or subtle emanation, from the true orchids that sets them aside from the *Cyrtipediinae*. I would rather recognize the *Cyrs*. as a family than take up *Platanthera* as distinct from *Mabryaria*. And here again: what about *Lianorobis*, *Piperia*, *Galeorchis* and similar conceptions?

I note that you keep up *Microstylis* as a generic name. If we follow the Vienna rules, and that we surely should do, *Malaxis* should come up for *Microstylis* and *Mazarhya* be used for the species formerly referred to *Malaxis*. I know that Smith thinks otherwise because of the numerous changes that are involved, but we have no right to go contrary to rules that were created to make nomenclature an international language. Rendle has adopted *Malaxis* for *Microstylis* so has Britton. *Physurus* was published as a ~~new~~ *new* and should be replaced by *Erythrodes*. I realize that you separate the former *Physurus* species of the eastern tropics from those of the western tropics. Whether or not this distinction holds the nomenclatorial details must have attention.

These are just a few of the observations that a very

hasty perusal of your manuscript has brought to my attention. I intend to have the whole thing transcribed and I shall then have time to go over it in detail. I know we wont agree on many things, but it will be amusing to thrash out our opinions as we go along. It would be queer, indeed, if we failed to profit from a frank exchange of our views.

You might take up the points raised in this letter and let me have a few lines from you with regard to them.

Just at present I have been working on mycorrhiza in our native orchids and I expect to have several papers ready before the end of the winter. (If you can pick up a copy of Reissek's Endophyten der Pflanzenzelle in any of the second hand bookshops I would like to add this work to my library.) *Aplettrum*, *Hexalectris* and *Corallorrhiza* come into my studies and I will work these genera for the *Folia* if you have no prior claim to them. I have been much interested in the winter stages of *Aplettrum*. I had several fine specimens brought in that were collected in December. The leaves are very beautiful in the fresh condition. They ought to make interesting subjects for anatomical studies.

Pogonia mexicana of Watson appears to be conspecific with *Isotria trianthophora*.

I realize that this letter would have been easier to digest had I thought out what I intended to say before I sat down to the typewriter. However, when I began I really intended to stop after informing you of the safe arrival of your manuscript.

I sincerely hope that the draft got to you and that it brought with it a ray of sunshine.

Please accept all good wishes for yourself and your family.

Yours sincerely,

Robert C. Moore

P.S. I have been thinking seriously about the title of our book. Do you not think that it leads to confusion? I am going to think up another name and submit it to you. Perhaps you will consider a change of title if you agree with me.

355 Commonwealth Avenue, Boston, Mass.

January 31st, 1921.

My dear Dr. Schlechter:

I do not find reprints of your articles in *Orcbis* for June 1914 p. 57, July 1914 *Pleione*; Feb. 1918 *Calanthe*, March 1918 *The Genus Xylobium*. I would like to have these for my herbarium. My set of *Orcbis* stops with the fifth number of 1914 (July).

I enclose a rough drawing and two flowers of an *Epidendrum* from Venezuela.

I have been very busy getting my periodicals and pamphlets ready for binding. Since the war began I have done nothing toward completing my files and I find many gaps in my foreign subscriptions. The price of binding has been prohibitive and even now one hesitates before ordering anything done in leather.

If you have duplicates of *Acriopsis* I would like to have them. This genus has interested me very much recently and I think it is one that I would like to do for the Monograph. If you have no objections, of course!

My "new genus" turns out to be an *Aganisia*. I have a *Pleurathallis* from British Guiana, however, that seems to be undescribed. I also have two species of this puzzling group from Trinidad that I cannot trace. One is very much like *P. rhomboglossa* and the other belongs to the same alliance as *P. fimbriata* Rodr. and *P. Josephinum*. The Wright specimens of *P. rhomboglossa* from Cuba are larger than the Trinidad species.

Yours sincerely,

355 Commonwealth Avenue, Boston, Mass.

February 9th, 1921

My dear Dr. Schlechter:

I hoped before this to be able to give you a definite report on the plans for the publication of the Folia. The trouble at present seems to be bound up with the difficulties of compositors who are able to set up Latin, English and German. I expect some definite information by the end of this week.

Have you omitted *Arisanorohis Hayata* on purpose from your list of genera? I find, also, that you have dropped *Arnotta*. I agree to this.

Would it not be better to make more use of sub-genera? *Blephariglottis Rafinesque*, for example, would be best kept as a sub-genus. I feel very strongly that there is great danger of going too far in the multiplication of closely allied genera. It seems to me that your list of genera places too heavy a burden on convergent evolution. I have begun to examine the genera in the light of your arrangement and I expect to be able to go into details in another letter. It will take time to examine the situation in a thoroughgoing manner and I feel that we should withhold the list of genera until I have had an opportunity to check every step.

I enclose records of a *Pleurothallis* species from British Guiana. Perhaps you will be kind enough to examine these and see if they suggest some species that I have overlooked.

I am very anxious to have records of all of your new genera. Please help me in this direction as soon as possible.

Yours sincerely,

W. J. Oliver

Dr. Rudolf Schickler
Berlin-Schönberg
Hans Cohnstr. 5a.

9. Febr. 1921.

My dear Dr. Ames!

Your welcome letter, dated Jan. 22, arrived here a few days ago. Many thanks for your proposals.

I will write to Vicuna and see, if I cannot get for you the paper from Winnelin on the new Philippine - Orchids. He has last year brought out for me a conspectus of the genus Clipogon. This I will try to get at the same time.

You do not write to me, that you have got my manuscript with the key to the groups and the enumeration of the genera for the Folia. I hope it has not gone astray!

The manuscript was sent off here by registered book-post on the 18 Dec. Please let me know at once, if you have received it, that otherwise I might reclaim at the Post.

As to the copying of the analyses and making sketches of my types of the groups, that you are working on, I am quite willing and glad to get done for you here, whatever

you ask for. I will ask one of our best
draughtsmen ~~out~~ for his terms. At our
present low rate of exchange 100 Dollars will
although prices have risen here for every thing
very much, go a long way. I expect the best
will be, if I will get tracings made of the
analyses. Some samples I will send you soon,
and then you can let me know, if they will
meet ^{with} your approval.

As to going to Vienna, I have enquired
to-day from Mr. Famillo Schneider, who is
working here in our Museum at present. He
is from Vienna and has only lately been
there. He tells me, that for the voyage
there and the vicinus to go and return
and about two weeks stay in Vienna
I would need, if the prices are not going
to be raised again, roughly speaking
4000 Marks, that is at the present rate
of our exchange 65-70 Dollars. I expect in
two weeks I could finish looking up the
specimens, that you are at present specially
interested in and at once copy the drawings,
that are to be found in Reichenbach's Herbar₂

vidua nearly for each species. If you should
wish me to go, I would ask you, to give me
"plain powder" to try to get from the Vicuna
authorities, wherever possible, a flower of the
types ^(for you) and offer them on your behalf specimens
of your types in exchange. I expect this would
meet your approval?

I am now busy preparing the manuscripts
of the Orchids - compilations of the Cordillera-
strokes for the printers. If all goes well they
will start with the printing next week and
I hope to get the whole work, i. e. the last
three remaining parts, published within
the next 6 months.

Of course any of the changes, that you
propose as to the spelling of the authors
names I would consent to, and see to it
that they are equally written in any of
my future manuscripts.

As to Bolpe's collaboration, I expect it
is best to wait yet until we have got the

"Folia" well started. For certain groups we
rather genera, like for instance Cratogeomys
and Polioptila, he certainly has yet
a wider knowledge than any body else. We
might perhaps later on visit him to do these
and some others, but as I think, it is per-
haps better to wait yet a little with this.

In December I had written to him and
proposed an exchange of our publications,
but he has not even answered my letter,
althowgh we are again here in correspon-
ding-letters between Dohlem and New.

The parcels with the duplicates for you
and your Chinese plants I hope to depart
in the course of the next week.

As soon as I hear, that the printing of
the "Folia" is properly started, I will prepare
another manuscript. A monograph of the
group Acirathura. The drawings are done
already.

Yours very sincerely
R. Schlegel.

355 Commonwealth Avenue, Boston, Mass.

February 18th, 1921.

My dear Dr. Schlechter:

I enclose a small *Oberonia* for you to examine. If the identification is correct please let me have your verification. Please retain the specimen for your herbarium.

I am getting ready to take up *Acoridium* for the *Folia*. It seems to me that my section *Pseudacoridium* ought to be taken up as a genus. The lateral flower shoot and the structure of the labellum and gynostemium seem to differentiate it from its allies. You will note this if you turn to the little drawing in *Orchidaceae Vol 2*.

Perhaps you will be kind enough to tell Dr. Fedde that I would like to have him forward to me the complete volume of your *Orchidaceae Novae et Criticae* with title and index. I shall send him a money order on receipt of the volume.

What do you intend to do with *Signatichilus* R. A. Rolfe, *Madroayne* Schltr. *Carteria* Swall? These genera are missing from your list. *Carteria* is a puzzle. The type consists of budding asexual collected in Florida. When I first saw it I was inclined to refer it to *Tetraviera* *Eulophiae* Reichb f. Now I see it reported from the Bahamas in Britton & Millspaugh *Flora of the Bahamas*. I intend to write to Britton about it. At present I am very sure that we can not take it up. If more material is available it may be possible to tell just what the generic characters are. I shall attend to this at once.

Ponroemeria is another genus not found in your list. What is your attitude toward this?

Just at present I am taking the time to fill in the gaps in my herbarium made by your numerous new genera. Some of these I am unable to get analysed and I am now looking your way with intense expectation as I must have your help where no illustrations have been published. If you have duplicate specimens representative of any of these new groups I hope you will anticipate a general distribution and send them to me.

I got your letter regarding the cheque this morning (Feb. 21) and it was good news to learn that it was acceptable and sure to help your work. To-morrow is a holiday here, so I can not get the balance of the money off to you until Wednesday. I shall not forget it.

I have been giving close attention to the details of the Folia and one or two questions have come to mind that I would like to have you answer. How close to a critical revision of the Orchidaceae do you expect to come in listing the species? With types widely scattered and in many cases difficult to study it may often prove impossible to make a comprehensive survey of the larger genera in that manner which characterizes monographic treatment of a scholarly type. If we attempt a critical revision of large genera it will require years of toil to arrive at worth while conclusions. Perhaps it is your intention to include all species that seem to be in good standing and to reject those that are evidently dependent on too slender distinctions or that are evidently provincial in conception. With regard to this subject we ought to have an established working basis.

I have to admit that I am often in doubt as to the wisdom of separating *Sarcanthus*, *Pobiquetia* et al. If you have given this matter detailed attention I wish you would defend the separation. This should be simple if the differences are of a nature to be clearly set forth.

I am pleased to learn that you are getting out some economic material for me. Almost anything will be welcome.

I have some duplicate specimens of the Bureau of Science, Manila, that I have just been sorting out for distribution. As ~~there~~ a few types in the set I intend to send you what I have ready. Most of this material is at North Easton and I can not get at it until later. Just now we are "snowed up". A great snow storm came yesterday and closed the country roads to motors

Yours very sincerely,

Charles C. Conner

Memorandum Foreign Check Issued

(Check should be sent by registered mail)

No. 113265

8-27 1921
Date

Sold to Charles W. ...

Address 715 ...

Foreign Am't 15,988.37 @ 17 \$ 275

Payee ...

Drawee Bank ...

City ...

In duplicate

DEBIT

THE FIRST NATIONAL BANK OF BOSTON

Cashier

Customer

Yes — No

By ...

335 Commonwealth Avenue, Boston, Mass.

February 29th, 1921.

My dear Dr. Schlechter:

I enclose check for fifteen thousand nine hundred eighty-eight and 87/100 marks. This is the equivalent to-day of two hundred and seventy-five dollars! I hope this money will reach you in time to take care of the printing of the South American credit issues. If there is a balance left after the printer gets through you may use it to pay for sketches of your types of genera and species, for proceeds on specimens etc.

Yours sincerely,

250
273

623
4
73

27. Febr. 1921.

My dear Dr. Ames!

Your letters of ~~Jan.~~ Jan. 29, 31. and Febr. 9th. have all arrived well. I wanted to answer the first ones before, but I was too busy with some work on European-Orchids, that I always postponed the writing, but now after I got to stay the letter of Febr. 9th I will hasten to let you have an answer at once.

I thought already, that there might be some disagreement in respect to the definition of the Genera, but this is only natural, since you cannot expect to find two men agreeing in every little question. I knew that you are of different opinions respecting the limits of Habenaria and the recognizing of Platyrhiza and the allied genera. I have been working on these genera of late a great deal and I can assure you, that we are getting into a regular mess if we are not going to split Habenaria up into several genera. I can see quite plainly now, that a sharp definition of the generic characters of the Symnaenicae and the Habenariaceae is only possible

if you acknowledge smaller genera. We have
got here the same state as we have had it with
the Epistanthae. When we divide the big genus Ha-
benaria into several better defined ones, then we
will be able to master it, otherwise you will have
to manage with it not only these genera all, that
belong to the Synwadiariae and Habenariae now,
but besides most of the Orchis and such-like. Divide
et impera must be the motto for such big genera.
I am even pretty certain already, that it will
be needed yet to split Habenaria even more up
than I have done it in my preliminary list of
genera. We therefore can safely publish the list
of the genera as I have written it together. I have
specially written in the introductory remarks,
that it must be regarded as preliminary, and
that changes will have to be made here and
there, but I am convinced, that the changes
will greatly consist of in the addition of further
new genera. For instance I will in a short
time split from Pleurothallis two very distinct
new and pretty large genera and I am sure,
that Epistendrum will have to be divided into

several genera yet. But this is all work, that will have to be done, when these big genera are monographed. With these & new genera, that I am going to split off from Pleurothallis it is simply reasonable, that nobody has noticed the differences before.

As to Cypripedium and Cypripedium I agree with you, that we should keep the oldest spelling. Perhaps you will be kind enough to change my spelling accordingly. I am certainly for keeping Polypodiaceae against Podocladia as the only proper definitive of the genus was given by Spitzer. Fissipes is of course a synonym to Cypripedium.

I leave it to you to ~~to~~ decide respecting Kingiella for Doritis. I had not seen the publication (when the list of genera ~~was~~ was written out).

Limonorchis and Piperia are synonyms to Platantheris. Soleorchiis will perhaps stand as a distinct genus, but as I was not sure yet about it, until now I have kept it as synonym to Orchis.

I would very much prefer to keep Microtylis and Malaxis in the way used by Reichenbach, Benthorn, Spitzer and Ridley. It is only by oversight, that

this name was not put on the list of genera to be kept up. What is the use to change about 250 names again into synonyms. Whenever a genus has got more than 100 species, such changes ought to be avoided as long as possible.

Physidids from America and Erythrodes from Asia are two totally distinct genera and should be kept both up.

I will keep a look out for Reiset's "Pseudophyten" and, as soon as I can, send it to you.

Pogonia mexicana seems to me specifically distinct from Triphora trianthophora.

I will look out the papers that you desire from the "Orchis", besides I will send you what has appeared of the "Orchis" since June 1914.

The Epidendrum from Venezuela I cannot make it seems a new species.

About the organism I have written you a card already some time ago. You will surely have got it by now.

The Pleurothallis I will look at more closely yet.

Arisa uochis is synonym to Chirostylis. You will find a note about this in my "Orchid."

Sino-Japan. Proteromids."

Blaphariglothis should be treated as a distinct genus allied to Platostroma. The differences between Platostroma and Habenaria in the very distinct stigmatic processes of the latter are quite obvious. If you see, how for instance Gopp has amongst the grasses (Panicum) created heaps of new genera you will have a parallel case to my results amongst the Proteromids. The definition of sharp limits is often only possible in the genera, when we take out the aberrant forms. Like this for instance I have no more difficulties in spotting the affinity of any Epitriptone or any angusticoid Proteromids, where, as formerly this was simply impossible. For the same reason I am of opinion that Gymnadenia nispis Rydb. should be kept distinct. Rolfe has of late expressed very similar views respecting the Habenariae. I have been studying these Habenariae and Gymnadeniae for many years and have many hundred of analytical drawings of them and more and more I feel convinced, that I am

right in my views respecting their generic divisions. The characters for instance in Pteridaria are so characteristic in the gynoecium, that it is quite remarkable, how they are represented in the American as in the Asiatic species.

The Pteridaria from Sidaqua I will examine yet and write to you about it in my next letter.

As samples I have got some traces made of some Dendrochilium-types from my herbarium. I think like this they will give you a fair idea. The price for these comes to about 12 marks each, for these five drawings, I print altogether 60 marks or a little more than one dollar. Do tell me, if they meet with your approval. If so, I will my Pogonia-material drawn like this for you. I think, that like this they are even better than others.

Please let me know your decision about these tracings as soon as possible, that I can give orders for new ones to be made.

With best compliments
Yours very sincerely
R. Schlechter.

12. March 1921.

My dear Dr. Ames!

Three days ago I received your letter of February 21 and yesterday the letter from February 23 with the cheque inclosed. Please accept my sincerest thanks for this money, which will enable us to continue and finish the "Ordnung der sudamerikanischen Vögel". The volume III. Baird is all ready in the printing press and makes rapid progress as you will see by the proofsheets that I will send to you by this mail, that you may be able to correct the descriptions in your own handwriting. I hope in about 2 months this volume will be ready to appear and then the printing of Peru and later on Bolivia will follow, so that, if all goes well the whole work will be finished about in 6 months. If then there should be any balance left, I will use it for getting analytical drawings and originals copied so that you

may have a proper record of them in your
herbarium.

I will quickly answer a few of your questions.
The Gymnostichia Rolfe is I think not left
out in my list of genera, but you will find
it amongst the Coelogyne. The Vanousmia
I regard according to J. J. Smith's own opinion
as a synonym to Dendrobium. The genus Castel-
ria I have by the description been regarding too
as a synonym of Tetraneura.

My idea about the way how we should work
the "Folia" was about the same as Lindley would
have had, when he started his "Folia". That is to
say, we should have to give a proper compilation
of all the species of each genus, that we take
up. There will be of course now and then some
species which we will not be able to clear up
altogether, but if we go at the work properly
from side, that we will be able to do splendid
work in clearing up like this the majority of
the different species. Whenever an original type
is accessible, we should if possible give a figure

or analysis of the flower, in which the charac-
teristic marks are to be seen. I have got several
thousands of such analytical drawings ready
for use and often I have been able to clear many
a doubtful species up like this. Where we have no
need to type or authentic material, we will have
to try to place the plant as correctly as possible.
Of course there will be some difficulty in working
out the larger genera, but you will be surprised
yourself most probably, when you will notice, what
an amount of material will be flowing in, in
addition as we are at work and in working this
out, we will soon have collected sufficient ma-
terial to start work with some of the larger genera
too. The few species, that will naturally remain
doubtful will be nothing in comparison to the
amount of species, that we will be able to clear up
altogether. As to the views respecting separation
or union of certain genera, I consider that this
is immaterial, as long as we are able to properly
lay down the affinity of a species. The limits
of genera are very much more subjected to perso-
nal opinion than the limits of species, although

there too a good deal of difference of opinion
is possible.

The chief question is now, not to hesitate
too long, but to start to bring the first part
of the "Folia" out soon. We must not lose
any time, because if we wish to finish the
work, we must reckon ^{with} ~~on~~ about 20 years.
The mode how we work the different genera
will naturally undergo certain changes as the
work progresses, but if we both stick to the
one principle, that we must try to clear up
and to find the truth, we are sure to bring
a good and useful work out. The way how the
different genera are intended for publication leaves
us always time to postpone the publication of
any genera, where we see yet too many difficulties,
etc.

I am going to forward with this letter a few
specimens, that will most probably interest you.

Thanking you once more for the ungrudging
help towards the publication of the "Ordnung der
der Handlillerenstraten", I remain yours.

very sincerely

R. Schlechter.

Schlechter is a personal friend of the author.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

23. April 1921.

My dear Prof. Ames!

It is quite ²⁾long time ago, that I have heard
last from you. In fact your last letter has
arrived here on the 10. March, and I am wait-
ing impatiently to have news from you
about the "Folia" and many other questions.

The printing of the Orchidflora of Ecuador
goes well ahead and I have been forward-
ing you the proofsheets of the descriptions
of the novelties for your herbarium. I expect
to be able to bring this part out ~~at~~ the end
of this month and then the printing of the
next part (Peru) will be started out once.

For your list of Philippine Orchids I have
made one more entry, that has to be added
viz. Isrenanthus pygmaeorum Rehb. f., which
has been collected there by Kuhn and is in
cultivation in Erlangen.

I will enclose in this letter the few sample-

sketches, that I got made for you from my
herbarium. Do write to me, if like this they
are suitable for your herbarium. The price
for them averages at our present value
12 marks apiece, or about 20 dollars. The
analyses are tracings of my own analyses
in my herbarium.

As soon as you will write to me, that we
will go ahead with the "Folia" I will put all
my working-power into it, and then you will
soon have further manuscripts. I have made
preparations in such a way, that I can go
ahead at full speed as soon as you are ready
for it.

I was extremely busy of late with all sorts
of work and this is the reason, that I have not
yet despatched the New-Endiven- and your
Chinese Orchids, but I expect to come soon to
it, to send them off.

With this mail I despatched too again some
offprints, which, I hope, will interest you.
Another on the Orchidflora of Brazil you will
get in a few days, when I get my copies.

With best wishes

yours very sincerely

R. Schlechter.

16. May 1921.

Dear Dr. Holmes,

By this mail I am despatching you ^{to}
a copy of the No. III. Orchideenfloren der
Korvillereinstanten. (Bewabov) I hope this
work, which I was able to bring out thanks
to your generosity, will be useful. More copies
are going to follow soon. I am very much
glad to be not having heard from you
since more than two months. A letter is
going to follow within the next few days.

Postkarte

Very much hope to hear
from you again very
soon.

Yours sincerely

R. Schlechter.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmb. 5a.



~~Dr. Charles Ames
No. Easton
355. Commonwealth Avenue
Boston, Mass.~~

United States North America.

8. June 1921.

My dear Dr. Ames!

Your last letter I received on the 10. March and since this date I am vainly waiting for further news from you. My letters from 9. ~~March~~, 27. Febr. 12. March, 23. April, 16 May are all yet awaiting acknowledgment and yet there were things to have answered, that I was very anxious to hear about. I cannot understand, why you have not yet written. I had, so to say, reckoned on it, that I would have gone to Vienna for you, to clear up all the doubtful Philippine species, but since there was nothing

Postkarte

coming, I had to say.

I'm afraid, that we must
go on at a very much higher
price, if we wish to finish
the "Felix". For which, of course,
under the circumstances
I could not do much more
until I hear, that you
actually wish to start
with the...

Yours sincerely
A. Gallecke.



No. 1
Dr. Charles Ames
355 Commonwealth Avenue
Boston, Mass.

United States North America.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmb. G.

20. June 1926.

Dear Dr. Ames!

By to-days mail I have despatched two parcels to you. One containing above 300 numbers of New-Guinea - Orchids, mostly in rich material, the other enclosing the Chinese Orchids, that you have sent to me for determination in 1918. In the latter parcel you will find in a separate cover a number of North-American Orchid-specimens, which were sent to me last year. Would you be kind enough to forward these to Dr. T. S. Yunker, Professor of the De Paul - University, Greenock, Indiana? These specimens were sent to me last year, without my asking for this material with the expense with, that they should be returned.

I have taken the liberty to take a few specimens of some of the Chinese Orchids, as I thought, that you would surely allow me. Also, as you will find an ample compensation in the rich New Guinea collection. I would be very glad, if you would be kind enough, to send me the Brown Orchids, that you have put aside for me.

These New-Guinea Orchids are the first lot only. I expect to be able, to send you about twice as many more as soon as I am going to continue the distribution of the duplicates. As you will see, this lot only contains specimens of certain groups.

I am quite at a loss to understand, why I have not had a line from you since your letter of 23. ~~March~~^{Feb.} (that arrived here on 9. March), although I have written since then so often to you!

I will send you in some offprints shortly.

Yours sincerely

R. Schlechter.

June 25th, 1921.

My dear Fr. Schlechter;

I am sorry to have delayed so long with this letter, but my mind has been taken up with a great many things and your letter regarding my suggestions as to genera made me feel that it would be wise for me to refrain from writing until after I had had time to think well. I want to be liberal in my treatment of botanical matters, yet I am unable to bring myself to the point at which I swap my individuality. Although I respect your opinion and have a great admiration for your capacity, it would be madness for me to enter into a co-operative work which would misrepresent my views and result in giving a wrong impression of my reactions to the modern tendencies in systematic botany that are leading to chaos. I may be very much in error in my attitude and a victim of too deep seated convictions, but you would be the first to condemn me if I simply adopted, without serious discussion, conclusions which, in the final analysis, are merely a matter of personal opinion and always subject to successful attack as time passes and our knowledge increases. Your letter hurt me because it indicated a lack of sympathy. Your only concession was a change in the spelling of a generic name. Your determination to disregard my opinions was not eased by convincing or kindly argument.

This brings me to the synopsis of the genera. I believe it would be a great mistake to publish this in its present state, because it is incomplete and needs to be carefully revised. Furthermore, would it not be best for you to bring this out separately? I ask the question because I fear it would be a mistake to include it in a *joint* publication as the system of one author untouched by the other. I can publish it for you in *Orchidaceae VII*.

The copies of your Fouquier paper reached me just the other day. Please accept my sincere thanks for this very much needed work. I shall look forward eagerly to the completion of your task. Dr. Fedde, by the way, has not sent me the duplicate copies of your Sino-Jap. flora nor the Central American one as he promised to do in his letter to me, nor has he sent your collected works: *Orch. Novae et Criticae*. Nor do I find a copy at hand of your *Orch. nov- in cald. Forti Dahler. cultae*.

The tracings of *Dendrochilum* were most acceptable and proved to be just what I want. I have no suggestions to make as to changes. Tracings from your Central American species and genera would be very welcome at this time. In fact I am very anxious to complete, by specimens or sketches, my representation of the orchids of Central America.

If you will let me know the approximate cost of the trip to Vienna I shall send you a draft at once.

I have just sent a collector to South America with the Mulford Biological Exploration Expedition to the Amazon Basin. This, I am sure will be good news for you as there will be a set of duplicates for your collection. As the expedition is to be in the field for fifteen months, most of the time in unexplored territory, there should be some new material for us.

Under separate cover I am going to send you a new variety of *Pogonia ophioglossoides* that has just turned up from Nova Scotia. Strangely enough, it resembles very closely in gross characters *P. yunnanensis* Finet.

As yet I have not received any duplicates from your hand. I am looking forward eagerly to a generous collection.

Kraenzlin has written to inform me that he is about to do intensive work on the South American flora and that he is busy with additional monographs for the *Pflanzenreich*. The news of Bolfe's death has made me feel very sad.

Yours sincerely,

July 5th, 1921.

My dear Dr. Schlechter:

Your letter of June 20th is just here. I am delighted to learn of the despatch of the two packages of specimens, one containing New Guinea orchids and the other my Chinese material. I know full well that the New Guinea orchids will be an unequalled contribution to my herbarium and add strength in a flora that is not too well represented in my cases. Please send all you can spare of this valuable set.

You have not yet reported on the Epidendrum from Venezuela that has the aspect of *E. parallelum*. I am interested to have your good judgement regarding this.

In my last letter I suggested that tracings of Central American orchids would be most acceptable at this time. In my efforts to complete my representation of the orchid flora of the world it would seem that North America should receive concentrated attention. I already have a fair collection, but there are numerous things that I have been unable to secure, among them some of your new species.

The set of Fornean orchids is ready for you and will be sent away this week. I also have several hundred Philippine orchids that are still in the packages made ready for you just as the war came on and put an end to communications. I shall look these over and see in what condition they are and then send them on to you at the earliest possible time. As I wrote to you in my last letter there will be material for you from South America in good time. I also expect a collection to come in from China in the course of a year. And, if plans now being made materialize, you may expect specimens from a contemplated expedition to Forneo and ^{from} another one ~~from~~^{from} Africa.

Under another cover I am sending you a little paper on Spiranthes that has recently appeared in *ENCICLOPA*. I think you will be glad to have the plates for your collection.

Yours sincerely,

William D. Seward

North Easton, Mass. July 10th, 1921.

My dear Dr. Schlechter:

I have practically completed a short paper on *Pogonia* and allied genera for "Rhodora". Although I am dealing chiefly with the species of New England and the range covered by Gray's Manual I find that it is necessary to base conclusions on a more extensive representation of the species. We might append to this paper under *Triphora* a joint publication to establish new combinations if you approve of such a plan. This would have to be brief, perhaps a page or two.

My investigations lead me to the conclusion that *Pogonia* proper should only include those species that have simple pollen grains, such as *Pogonia ophioglossoides*, *P. japonica*, *P. parvula* and *P. yunnanensis*. The last two species I name as possibilities. For *P. parvula* I should like to have your confirmation as to pollen characters because I have not seen any specimens. You might send me a tracing of this. *Isotria* includes two species. *Isotria affinis* is an extremely rare plant. I have only seen fresh specimens once! In such large herbaria as those at Washington and St. Louis there is no material and even the specialized herbarium of the New England Botanical Club lacks a sheet of this rare thing. I am sending you a tracing of this species to show the details of the flower. The original drawing was made from Virginian material and will be reproduced in my paper on *Pogonia*.

Cleistos, I think, should be taken up for *Pogonia divaricata* and the tropical species that are allied. It seems to me that *P. divaricata* passes clearly into the genus *Cleistos*. *Triphora* proper includes the species that have the extine of the pollen tetrads pitted or reticulated and propagates by means of very peculiar tuberous underground stems. *Psilochilus* I shall accept as a section of *Triphora* although the gynostemium and root system seem to remove it quite clearly from *Eutriphora*. *Triphora macrophylla* is the type of the section as I understand it, and agrees with *Triphora* in having reticulated pollen tetrads. It differs from *Triphora* in having a mobile anther and in its very different root system.

The following key applies to the genera as far as the United States flora is concerned and may need modification if generally applied. How much it should be modified I am not now sure as I have not yet studied all of the species that enter into the discussion, my interest just at present being in the species of the United States. Perhaps you can from your studies break down the characters assigned when the entire alliance is arranged.

Pollinia composed of simple pollen grains-----Pogonia.
 Pollinia composed of tetrads
 Pollen reticulated-----Triphora
 (Vegetative reproduction by tubers *Eutriphora*)
 " " by stems rooting at the nodes
 Psilochilus)
 Pollen not reticulated
 Leaves whorled-----Isotria
 Leaves not whorled-----Cleistes.

I consider the early breaking down of the pollen tetrads as a deep seated character in classification, Wettstein to the contrary notwithstanding and I hope that you will agree with me that it indicates a clear mark of generic distinction between *Pogonia ophioglossoides* and its allies.

I have no material of *Pogonia Maderoi*, *P. lutea*, *P. nitida*, *P. debilis* or *P. Wägereri*. I must depend on you for confirmatory notes as to the reticulated pollen holding as a generic character as far as these species are concerned in the *Pogonia* complex.

I am still of the positive opinion that *Pog. mexicana* Wats. is conspecific with *Triphora trianthophora*. My reason for this opinion is based on two specimens, or rather collections, made in the same canyon by Pringle. The type was collected in August and the flowers were well past their prime. In July of the following year Pringle gathered what I take to be a topotype. The material I have examined is surely referable to *Triphora trianthophora*. I agree that the type material of *Pogonia mexicana* has a very different aspect from the usual specimens of *T. trianthophora* one meets with in herbaria, but after you have seen a wide range of material it is quite clear that extreme habitat variation is characteristic, even in the same locality. You apparently have good reasons for a difference of opinion and I shall be delighted to learn what they are.

We have had a very trying time here in the publishing business and I do not believe that we should attempt to go to press just yet. It will be well to work along and assemble a goodly supply of manuscript; then when the proper time arrives it will be possible to bring out the different parts of our *Folia* in rapid sequence, -in sufficiently rapid sequence to convince the public that we are in earnest and prepared to push our product with conscientious ardor. In the meantime, however, I must await your reaction to my last letter. You will, I am sure, agree with me that something more than insistence is necessary in the realm of joint authorship if amicable re-

lations are to be constantly assured.

I have been thinking again about the system that underlies our sequence and acceptance of genera. While I agree with you in the main and feel that your scheme is the result of searching study and prolonged observation I cannot help but believe that it would be a mistake to let this system pass as the expression of opinion of a single author in a joint and lengthy undertaking. Therefore, I suggest that we hold back this part of the work until such time as it is possible to publish it as the ripened product of our combined thought. Pending such an issue it would be well to let me know what you think of the new genera recently proposed by Britton, Small and Millspaugh.

Will you please let me have a reply to this letter as promptly as possible. While I await a reply I intend to finish my paper on *Fogonia* and to prepare the joint publication on *Triphora*.

I have just been working on a Guatemala species of *Prachystele*. My analyses indicate close affinity with *P. guyanensis*. I cannot find any characters on which to separate it. In this regard I would welcome a tracing of *P. Peresii* from Costa Rica.

This letter has been interrupted by very exciting circumstances. On Saturday night torrential rains came upon us and six inches of water fell in about twenty-four hours adding to an already heavy shower. As a result my big pond began to rise in an alarming fashion and I had to give most of my attention to engineering feats, one of which, the cutting of an outlet for the rising waters, resulted in a torrent that promised to wash away all restraints before I could check it. All is well again and I am finishing this long letter with a very great feeling of relief.

I wish I could see more settled conditions in the world. Sometimes I wonder if the years left to me will witness a return of that stability of affairs that we refer to now as prewar conditions!

Yours very sincerely,

July 12th, 1921.

My dear Dr. Schlechter:

I enclose a few flowers of a *Dendrobium* that seems to be close to *D. Wilmsianum* Schltr. It is a native of Siam and in its vegetative parts seems to answer the description of the species named. Will you please let me have your valued opinion and a tracing of *D. Wilmsianum*?

I also enclose the specimens of *Pogonia ophioglossoides* var *brachypogon* Fernald, that I promised to let you have in an earlier letter.

The package of Chinese orchids arrived this morning. Please accept my best thanks for these. They make a very welcome addition to my herbarium. The package of North American orchids will be forwarded according to your instructions.

Yours very sincerely,

July 14, 1921.

Letter sent asking for list of determinations of Chinese orchids forwarded as an exchange without mounted sheets. That as there were duplicates of Wilsons Chinese Collections and there was forwarded for his herbarium.



260 BEACON STREET
BOSTON

NORTH EASTON, MASS. July, 28th, 1921.

copy

My dear Dr. Schlechter:

I have just finished a review of our correspondence for the years 1920 and 1921 to date for the purpose of ascertaining information regarding matters that might have been overlooked under pressure of other business. As might be expected I have learned that several requests made by you have been neglected. I also learned that ^{I have been} you ~~were~~ equally culpable, perhaps more so, if one ^{does not} neglects the fact that my requests have, perhaps, been more numerous than yours.

To begin : You have not yet forwarded to me the list of Lehmann numbers referred to at different times as in progress. And this brings me to a question: What have you done with a Pleurothallis-like specimen from Colombia, Lehmann 6929. I would welcome information relative to this. Then again I asked for a tracing of Habenaria Amesiana from Central America and analyses of the new Habenarias from Central America that you described in your welcome contribution to the orchidology of that region. In your letter of September 29th, 1920 I find a reference to some Sto. Domingo orchids that were being reserved for me at the Berlin Museum. What news are you able to give me about these? Then there is that Oncidium from Florida! Do you suppose Kraenzlin has touched this in his monograph for the Pflanzensreich, a work now in the press according to a letter from him just received? I have already referred to the fact that you had not sent me a list of the numbers, with determinations, of the Wilson Chinese orchids. The specimens themselves are here, as I have already informed you. In sorting these out and comparing the numbers with my lists of loaned material I find that Henry 11,102 (Hb. Ames 10,768) is missing. Perhaps this sheet was overlooked. If you find it please send it to me when you have occasion to forward another set of duplicates. Now I come to a second species of Nabalua that you referred to and of which I desire a tracing. In my letter of January 31, 1921 I took up the matter of Orchis. Owing to the war my files have been allowed to grow incomplete. I hoped you would help me restore my set to a condition approaching completeness. Then there were the missing reprints of which I gave you a list. The Pleurothallis from British Guiana still interests me. I am calling it *P. Hitchcockii*.



PETAL



LIP

x = lateral lobe.

v = posterior lobe.

On February 18th, 1921, in a letter of that date I sent you for your herbarium a little Bornean Oberonia with the request that you authenticate it. Did you receive this? I think it was *O. neglecta* Schltr.

I want very much, indeed, to have a copy of your *Orch. Novae et Criticae* from Fedde. Of course I expect to pay for this. It will be very useful, as I am in the unfortunate position of having to keep two reference libraries, one here at North Easton, and one in Boston. If there are duplicates of comprehensive works it saves me the trouble of lugging books back and forth from the city to the country.

Psilochilus I believe must not be included in *Triphora*. I have been studying this group again and I find that there are differences in floral and vegetative structure that make necessary a segregation of the *Psilochilus* species. Cogniaux was in error I think when he reduced the Rodriguez species.

The best set of Bornean orchids has been sent off to you and I hope it will reach Berlin in good condition. This is set no. 1.

I sent to you a few Philippine orchids not long ago. Have these reached you. Up to the present time I have not heard from you that the package had arrived in Berlin.

I am still looking for the extra copies from Dr. Fedde of the Central American orchids and the Sino-Jap. orchids.

I would welcome very much, indeed, a transcription of the original diagnosis of *Cyrtopodium Engelii* Karst. from C. Koch & Fink *Wochenschr.* 2(1859) 236. I find that this work does not begin with us until 1860. The New York Botanical Garden Library is unable to supply anything before that date. None of our Boston Libraries have anything from 1859.

Are there any of the Ledermann Micronesian orchids available for exchange? I would like very much to obtain some of these if there is any way by which to do so.

By this time my letters to you of June 25, July 5, 10, 12 and 14, must have reached you. I hope you will answer these in detail and be sure to let me know about the amount needed to put through the Vienna trip, this to include travelling expenses, hotel, and, let us say, the services of a photographer in Vienna for such work as seems wise in connection with the copying of critical species that would be of interest to me in connection with North and Central American orchids. If there are other items of expense to consider let me know about them, and if agreeable to you I should expect to add a bonus to make the trip worth while to you. Let me know what you think about this and give me an estimate of what you think I should pay.

With the best of good wishes,

Yours sincerely,

Osaka Am

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Gilmstr. 5a.

22. July 1921.

My dear Dr. Ames!

A few days ago I got at last, after an interval of about 3 months, news from you, your letter dated 21. June and today another letter from 5. July arrived.

If we would have had a chance of a few minutes of personal conversation, I am sure, that the misunderstandings would have no more existed and I am sorry that you have not written to me at once, when this misunderstanding arose, of which, until the arrival of your letter, I was altogether unaware.

As I had written to you in one of my former letters, I was and am still quite willing, to agree to many concessions respecting the definition of the Genera, but I thought, that these could only be made after the treatment of each genus and therefore I had drawn up this list of genera, of which I specially wrote, that it could be only preliminary and that it should only be used for the convenience to be able

to arrange the genera of the Folio as they
appear. The final arrangement can of course
be made only after all the genera are treated.
Perhaps my letters were not so short about
these points and this is surely the reason,
that this misunderstanding arose; often I was
too overwhelmed with work, that at the time
I was not able to answer at once on each
question separately. I expected that you would
not ~~part~~ accept my opinion respecting the
genus of Sapenriera; this is one of the most
difficult groups of the order and I know from
Rolfe, that he too was more and more leaning
to the opinion, that the only solution would
be, to divide the genera more, to be able to get
some natural limits for the different
genera. It is not me alone, who has come
to this conclusion. If you look the work of
Gepp on the African Tranvirene you will
see this same method repeated. Most of
these immense genera of Trichotaceae have
no limits at all, when we leave them as they
are now. In fact you can just as well unite
with them almost all the allied ones without

changing the generic diagnosis, but nothing is served by this. In former years I was one of the botanists, who wished to draw the genera in a similar way together as Bentham, but the more I saw, the more I felt convinced, that this must lead to a regular *Chidwobobu*, as we had it in *Spizanthus* and *Augraecium*, where nobody knew what to do with a plant. Although we can not deny, that there are some natural genera, yet we cannot do without some more artificial ones, to be able to find sharp definitions. Some of these doubtless natural genera, which are accepted by every botanist, are even very badly defined against allied ones. For example see *Cynorhiza* and the true *Stabenaria* and *Galathea* and *Panjius*. To draw here natural lines can only be done after a careful study of the whole genus, i. e. after analysis of all the species.

It would perhaps ^{have} been better, to give the citation to each genus and the synonyms. You write, that my list is incomplete. Until now I have not

found it so, or although I am constantly comparing things, whenever I guess an omission. There are very few doubtful names perhaps to be added.

To satisfy you fully on this point, I will, as soon as I can find the time for it, draw out a new list with all citations and with all synonyms. If you see then the way ~~clear~~, you can either accept it for the "Folia" or else use it for publication in the Orchidaceae VII.

As we had proposed, that each part published should go under the name of the writer, I have myself to bear all the responsibility for the "List of Genera" and their arrangement and am always prepared to do so. This list is really not written merely together, but you would be amazed, if you would see, on what an amount of work and analytical drawings it is based. There are actually very very few genera of which I have not made (according to the amount of species) one or many ~~careful~~ analytical drawings. To give you an idea, what kind of work this is, I can tell you, that during the last 12 months alone I have finished more than 1400 analytical drawings and that all together I have more than 10000, each representing a different species. I never describe a new orchid

without having made an analytical drawing of
it. Of many genera I have (like this) drawn
every known species. This is all unpublished
work and I hoped to get these results out
in the *Folin*.

After all these explanations you can
understand, that I am anxious for the starting
of the "*Folin*"

I cannot understand, why *Folin* has not
sent you the desired copies long ago. Unfortun-
ately he is sometimes rather unreliable. I am
at present out of Berlin during yearly holidays
and, as soon as I return in a few weeks, I will
see to it, that the books are sent off at once.

The part IV. of the "*Orchideenpflanzen des Corallien-
landes*" (Peru) is actually printed already
and I had ordered, to bring it out on the 1. July,
but owing to constant printers - strikes I had
to postpone it again until my return. The
proofs with drawings of the novelties I have
just made for you and will forward them from
Berlin out once after my return, together with
some new offprints.

As to the Vienna-trip it seems, that you
have not got my letter, in which I had written
to you about the costs, so Dr. Carlotta Schneider
has reckoned them out for me. Since then the
railway-fares have been considerably ⁱⁿad-
justed and I will enquire again. I wish then,
that you would draw up a list for me, of all
the species of which you wish to get tracings
of Reichenbachs herbarium. I would have gone
there ^{or} already before with the list, that you
sent me in a former letter, but I could not see
yet, if and how much money is going to be
left over of the sum, that you have sent.

If you will send me a list of the species of
which you wish tracings made in my herbar-
ium I will get them done out once.

Now I must close, otherwise the mail goes
off. I will write about the other questions
one of these days more.

I am very anxious to hear, how far you are
about the "Folia" and if you think, that the
first part might come out in the near future.

With best compliments

Yours sincerely

R. Schlechter

any thing on Orchids. Science would have a much benefit, if this happens, because no botanist has ever understood to make such a mess of a genus, ~~as~~ as he does. Every genus, that he has worked upon, needs more revision after he has finished with it, than before he has touched it.

Of the New Guinean - Orchids you have as yet only received the first consignment, a considerably larger number will follow as soon as I am going to continue the distribution.

In the Vancouver-Expedition I will report within a short time. The little Oberonia, that you sent me from Newwork is not my O. neglecta but a new species.

I would indeed be glad to receive specimens of the expeditions, where you have collectors sent out, like the Amazonas, China, Borneo and Africa. From Amazonas I received of late a number of interesting things and hope to get some more during this year. There must be lots of new things yet, if one would collect there properly.

Dr. Rudolf Schimper
Berlin-Schöneberg
Neue Culmstr. 5a.

3.

Your paper on Gyneranthus from "Rhodora" has not arrived yet. It surely would interest me much.

Now as to the Pogonia-questions. I quite agree with you as to the breaking up of the genus, as I have written to you already before, and will send you in (as soon as I return to Berlin) a list of the species referable to Triphora with a list key to them. Psilochia Wedd., I feel after all convinced, to regard as a distinct genus, distinguished from Triphora by the habit and root-system, the mobile anther, the very different climacteridium and the presence of two large thickened marginal glands at the base of the labellum.

Pogonia orientalis as Gleites would fully meet with my approval, ^(as to floral characters) but I have not yet seen any ripe fruits and the root-system. Canst you get me specimens showing these parts properly? It is to Gleites itself. I have been collecting a large material of this genus, for which I had a preference since

years; I have accumulated a very rich material, perhaps even the richest lying in any herbarium, and would wish you to leave this to deal with for me or else do it in combined authorship, as we do Triplorn. However at present I would prefer, not to give yet an enumeration of the species, no much has to be corrected there yet and I have several new ones in print yet and some ready for description.

The Pogoniv-mexicana - question I will take up yet after my return to Berlin, together with the other Triploras.

As to your key I would propose the following.

A Pollinia composed of single pollinaria -- Pogoniv.

B. Pollin composed of detroids.

I Pollen not reticulated. Perianth ^{and gynoecium} ~~thrown off soon~~
 I offer fertilization

a. Leaves not whorled - - - - - Gleites

b. Leaves whorled. - - - - - Dactria.

II. Pollen reticulated. Perianth ^{and gynoecium} ~~prematurely~~ ~~falling~~ ~~off~~ ~~soon~~
 the capsule is ripe.

a. Roots single at the nodes. Labellum with two marginal glands at base. Anther mobile -- Psilochilus.

b. Roots thickened, fasciculated. Labellum without glands. Anther immobile - - - - - Triplorn

The sequence of the genera I have changed a little, since Gleites and Dactria seem nearer allied to Pogoniv than Triplorn & Psilochilus

I hope you will be reassured now after my
last letter, that there is no insistence in
me ~~not~~ to the accepting of my enumeration
of the genera, but as I wrote to you, it is
the outcome of a long study and numerous
observations on living material. If you
wish any changes, I will certainly consider
any proposals. As I wrote to you, the sequence
of some of the genera might have to be changed
yet as well as the circumscription of them,
but I feel convinced that the general selection
will remain. For the new edition of the "Flora
formidosa", which is going to start next year,
I will have to do the prelude and there I will
give more fuller details about the genera
and the groups. The difficulty however would
be now, ~~not~~ how are we going to arrange the
different parts of the "Flora", if we are not
going to number the genera? Should they come
out without numbers and then be added
then later, after we have proposed the fi-
nal sequence? I fear, it will be rather

awkward, to keep the different parts in order
then until everything is finished and to find
anything. I would be glad, if you could make
any proposals subject this afternoon.

As I have written to you, I will draw out
a new list of genera with all the synonyms
and some changes that I have found out already
and that will surely turn up constantly again
in a family, on which such a lot of work is done.
You will see then, most probably, that the list
is actually complete.

I can send you manuscripts for the "Folia"
within a short time. I will make some more
ready soon: The iteivuthere, the Cryptobryi,
stere and perhaps some single genera. Of course
I would be glad, if we have not to postpone
the bringing out of the ~~the~~ first part longer
than is actually needed. I would propose
that each genus or group is brought out with
its own wrapper and each genus with special
pagination in the same way as Linnaeus has
done with his "Folia".

I hope this letter and the last will lead
to a fuller understanding in our views. If ever
there is any doubt or question let us always
settle it once.

Yours very sincerely
R. Schlichter.

I. G. For what genus do you refer in mentioning a new genus name
by proposed by Stellapogon?

Ⓐ

North Easton, Mass. August 6, 1921.

My dear Dr. Schlechter:

I have this day made ready for transportation to you the following sets of specimens of Philippine orchids.

Santos.....	7
Ramos Direction.....	5
Ramos.....	3
Native.....	7
Callicia.....	5
Pedasma.....	5
Disdon.....	11
Serrato.....	9
Naight.....	12
Reillo.....	31
Boettcher.....	19
Weber.....	67
Vanoverbergh.....	106
Wenzel.....	275
	1111!
Total	565 specimens.

This is simply a beginning and does not represent any of the Bureau of Science collections the fourth set of which I am setting aside for you and sets of which will go to you as an exchange early this winter. I have given three whole days to the work of getting this material ready for you. Now will you do as much for me? It really consumes endless time to label, check, and pack five hundred specimens, aside from the labor of running through sets of duplicates and extracting what seems worth while.

Yours sincerely,

W. H. Silliman

P.S. Orchids sent in exchange with the Bureau of Science, Manila as to be sent to me direct in future address 1, 355-Cam. Cav. Bldg. If you are sending any material to the Bureau as an exchange please bear this in mind, all orchid material will go to you for an until further notice by special arrangement with Paul Merrill. Such material should be marked Bureau of Science Exchange.

as you send

Schubert's Mt. Kinabalu set	contains	170 specimens
" "	"	32 "
		<hr/>
		202
		565
		<hr/>
		767 sent

Philippine sets made ready Aug. 6, 1921 for 5th Schlechts.
 In Weber and Vanambagh sets only three checked, and
 indices. The uncheck numbers have already been
 sent

George Batters	sm.	<i>Aeropsis indica</i>
"	"	<i>Coelogyne lobata</i>
"	"	<i>Leucostictis acuminata</i>
"	"	" <i>superba</i>
"	"	" <i>Victoria-reginae</i>
"	"	" "
"	"	<i>Pematocalpa uncinata</i>
"	"	" <i>propensa</i> sp. n.
"	"	" <i>quadrilobum</i>
"	"	" <i>uncatum</i>
"	"	<i>Erica cylindrostachya</i>
"	"	" <i>gracilicauda</i>
"	"	" <i>philippinensis</i>
"	"	<i>Geocorium nutans</i>
"	"	<i>Oberonia cylindrica</i>
"	"	<i>Pluataea Propensa</i>
"	"	" <i>vanambaghii</i>
"	"	<i>Pematocalpa bicolor</i>
"	"	<i>Vanda lamellata</i>

J.K.

	Calica	S. m.	Bulbophyllum	Copelandii
	"	" "	Calanthe	fuscata
	"	" "	Dendrobium	albayaense
7014	"	" "	"	Elmeri
	"	" "	"	polytrichum
	"	" "	Dendrobium	quadrilobum
	"	" "	"	reniforme sp. n.
	"	" "	Lucia	tortifolia

	Alisdon	S. m.	Aerides	quinguevulvarum
	"	" "	Appendix	xytraphora
	"	" "	Calanthe	fuscata
	"	" "	Ceratostylis	senilis
	"	" "	Dendrobium	Currantii
01K	"	" "	Erica	philippinensis
	"	" "	Phreatia	Luzonensis
	"	" "	Podochilus	Clemensiae
	"	" "	"	reticulatus
	"	" "	"	strictus
	"	" "	Spalloglossis	phreatia

Haight	1	<i>Bulbophyllum Inezigarii</i>
"	2	<i>Dendroclidium Pulogense</i>
"	5	<i>Phreatia Prorepens</i>
"	6	<i>Dendroclidium strictiforme</i>
"	7	<i>Bulbophyllum Coxianii</i>
"	8	<i>Dendroclidium uncatum</i>
"	9	<i>Liparis benquistiana</i>
"	10	<i>Dendroclidium anfractoides</i>
"	11	<i>Erica Elmeri</i>
"	12	<i>Dendroclidium Cobbianum</i>
"	13	<i>Oberonia cyclinervis</i>
"	14	<i>Coelogyne Merrillii</i>

O.K

<i>Lecanaria</i>	S.M.	<i>Dendrobium cultratum</i>
"	" "	" <i>lunatum</i>
"	" "	<i>Grammatophyllum scriptum</i>
"	" "	<i>Pomatocalpa bicolor</i>
"	" "	<i>Trichoglossis batavensis</i>

O.K

Native	S.M.	<i>Ascocentrum miniatum</i>
"	" "	<i>Polystachya luteola</i>
"	" "	<i>Rhynchostylis violacea</i>

O.K

Native under Ramos

S.M.	<i>Aerides quinquevibrum</i>
" "	<i>Habenaria Copelandii</i>
" "	" <i>diphylla</i>
" "	" <i>Goodenacraea</i>
" "	<i>Malaxis biloba</i>
" "	<i>Thrixspermum elongatum</i>

O.K

Ramos.	1.	<i>Trigiella philippinensis</i>
"	2	<i>Doutis equetris</i>
"	3	<i>Habenaria malintana</i>
O.K	"	5 <i>Oberonia Merrillii</i>
"	"	Her. Sci 22020 <i>Pleocoglossis Copelandii</i>

Piello	S.m.	<i>Appendicula uncinata</i>
"	" "	" <i>Wenzelii</i>
"	" "	<i>Bulbophyllum aculeum</i>
"	" "	" <i>alsiosum</i>
"	" "	<i>Dendrobium amicum</i>
"	" "	" <i>taurinum</i>
"	" "	<i>Dendroclibum cagayanense</i>
"	" "	<i>Daleola pterispermum</i>
"	" "	<i>Phreatia luzonensis</i>
"	" "	<i>Sarcantium acalbatum</i>
"	" "	<i>Thlasia muciantha</i>
"	" "	<i>Thriasperrum elongatum</i>
"	" "	<i>Tachoglossis bataanensis</i>
"	1	<i>Spathoglossis plicata</i>
O.K	"	<i>Dendroclibum Ramosii</i>
"	24	<i>Stamopus philippinensis</i>
"	5	<i>Aerides quinquevulnerum</i>
"	6	<i>Eria vulpina</i>
"	6	<i>Eria vulpina</i>
"	7	<i>Appendicula Wenzelii</i>
"	7	<i>Dendrobium pseudoconvexum</i> 2
"	16	<i>Oberonia Melegari</i>
"	11	<i>Podoclidium strictum</i>
"	18	<i>Thriasperrum Wenzelii</i>
"	37	<i>Dendrobium plicatum</i>
"	38	<i>Eria Polysura</i>
"	43	" "
"	50	<i>Pomatocalpa bicolor</i>
"	52	<i>Oberonia Thielb.</i>
"	53	<i>Dendrobium Scopae</i>
"	56	<i>Thriasperrum acuminatissimum</i>

	Santos	s.m.	<i>Bulbophyllum</i>	<i>Santosii</i>	sp.n.
	"	" "	"	<i>Vagans</i>	
	"	" "	"	<i>Vanweibuglii</i>	
O.K.	"	" "	<i>Ceratostyles</i>	<i>Philippii</i>	enax
	"	" "	"	<i>rubra</i>	
	"	" "	<i>Hemareochilus</i>	<i>brillouxi</i>	
	"	" "	"	<i>irigense</i>	sp.n.

	Serrate	s.m.	<i>Appendicula</i>	<i>micrantha</i>	
	"	" "	<i>Bulbophyllum</i>	<i>alagense</i>	
	"	" "	"	<i>Cunninggii</i>	
	"	" "	"	<i>luzonense</i>	
O.K.	"	" "	<i>Hemareochilus</i>	<i>Cortanii</i>	
	"	" "	<i>Eria</i>	<i>Lagunensis</i>	sp.n.
	"	" "	<i>Oberonia</i>	<i>anceps</i>	
	"	" "	<i>Sarcanthus</i>	<i>dealbatus</i>	
	"	" "	<i>Vanilla</i>	<i>ovata</i>	

O.K.	Vanoverburgh	9
(108)	"	110
✓	163	<i>Spathoglottis Vanoverburghii</i>
"	378	
✓	394	<i>Dendrobium longispicatum</i>
"	407	
✓	632	<i>Thrixoporum Vanoverburghii</i>
✓	712	<i>Bulbophyllum</i> "
✓	755	<i>Phalaena imbricata</i>
✓	955	<i>Saccolabium Vanoverburghii</i>
"	959	
✓	995	<i>Phaius halcouris</i>
✓	1016	<i>Eua philippinensis</i>
"	1017	
"	1049	
✓	1050	<i>Dendrobium microchilum</i>
✓	1051	" <i>Philippinensis</i>
"	1064	
✓	1081	<i>Thrixoporum Vanoverburghii</i>
"	1102	
✓	1105	<i>Liparis carpsa</i> ---- 2
"	1109	
"	1110	
✓	1112	<i>Spathoglottis Vanoverburghii</i> ---- 2
"	1114	
"	1115	
✓	1134	<i>Bulbophyllum sessile</i>
"	1156	
"	1188	
"	1190	
"	1197	
"	1203	
"	1211	
"	1212	
"	1228	
"	1239	
"	1244	
"	1261	
"	1263	
"	1269	
"	1285	
"	1289	
"	1290	
"	1290a	
"	1291	
"	1302	
"	1320	
"	1332	
"	1345	
✓	1346	<i>Dendrobium angustifolium</i>

Vanaverbergh

	1347	
"	1348	
"	1351	
"	1356	
"	1357	
"	1358	
"	1359	
"	1362	
"	1365-	
✓"	1367	
"	1368	
"	1386	
"	1387	
"	1390	
"	1472	
✓"	1473	<i>Robiquetia Vanaverberghii</i>
"	1474	
✓"	1477	<i>Phreatia aristulifera</i>
✓"	1477a	<i>Phreatia Amusei</i>
"	1478	
"	1479	
"	1480	
"	1487	
"	1488	
"	1490	
"	1491	
"	1492 a	
"	1493	
"	1520	
"	1521	
✓"	1522	<i>Dendrobium Clusographatum</i> sp. n.
"	1525-	
✓"	1531	<i>Thrix Permun Vanaverberghii</i>
"	1532	
"	1533	
✓"	1535	<i>Liparis Parviflora</i>
✓"	1536	" <i>Confusa</i>
"	1541	
✓"	1712	<i>Saccalabium Vanaverberghii</i>
"	1714	
"	1715-	
✓"	1724	<i>Bulbophyllum Ramosii</i>
"	1726	
"	1727	
"	1729	
"	1786	
"	1790	
✓"	1791	<i>Eria Philippinensis</i>

- ✓ Vanoverbergh. 1792 *Thaictospermum Vanoverberghii* sp. n.
- " 1867
- " 2106
- " 2110
- ✓ 2214 *Saccolabium Vanoverberghii*
- ✓ 2215 *Bulbophyllum Vanoverberghii*
- " 2220
- ✓ 2231 *Phreatia aristulifera*
- ✓ 2223 *Eria philippinensis*
- ✓ 2230 *Eria polyura*
- ✓ 2259 *Adenostyles Elmeri*
- ✓ 2418 *Dendrobium Stella sylvae*
- ✓ 2419 *Phreatia aristulifera*
- ✓ 2420
- " 2421
- ✓ 2434 *Ascotainia Elmeri*
- " 2435
- ✓ 2571 *Phreatia Vanoverberghii*
- ✓ 2580 *Goodyera philippinensis*
- ✓ 2584 *Eria fastigiatifolia*
- ✓ 2613 *Bulbophyllum bancocense* sp. n.
- ✓ 2816 *Bulbophyllum sensale* sp. n.
- ✓ 2821 *Taeniophyllum compactum*
- ✓ 2867 *Coelogyne Lohrii*
- ✓ 2868 *Dendrobium Stella sylvae*
- ✓ 2878 *Dendrochilum Cobbianum*
- ✓ 3080 *Eulophia squalida*
- ✓ 3082 *Eria ornata*
- ✓ 3112 *Dendrobium Sandersonii*
- " 3612 *Lepanthes binguetensis* [see 3692 error]
- ✓ 3644 *Schomardia Vanoverberghii* sp. n.
- ✓ 3645 *Lepanthes confusa*
- ✓ 3646 *Coelogyne integerrima*
- ✓ 3654 *Habenaria Warburgiana*
- ✓ 3662 *Eria vulpina*
- ✓ 3664 *Habenaria Copelandii*
- ✓ 3667 *Hemiridium angustifolium*
- ✓ 3668 *Spiranthes sinensis*
- ✓ 3670 *Polystachya luteola*
- ✓ 3673 *Calanthe fucata*
- ✓ 3674 *Octarhena canescens*
- ✓ 3675 *Habenaria goodyeroides*
- ✓ 3678 *Malaxis patifolia*
- ✓ 3679 *Eulophia exaltata*
- ✓ 3680 *Malaxis quadriloba*
- ✓ 3681 *Bulbophyllum bancocense*

✓ 3692 *Liparis benguensis*

Vanoverburgh	3682	<i>Octarrhena caulescens</i>
✓ 11	3684	<i>Phaius linearifolius</i>
✓ 11	3687	<i>Habenaria Vanoverburghii</i> sp. n.
✓ 11	3698	<i>Phreatia sulcata</i>
✓ 11	3827	<i>Ochromia aporophylla</i>
✓ 11	3828	<i>Ochromia cylindrica</i>
✓ 11	3830	<i>Dendrochilum longipetalum</i>
✓ 11	3832	<i>Dendrochilum tenue</i>
✓ 11	3857	<i>Sarcanthus dealbatus</i>
✓ 11	3871	<i>Dendrochilum longispicatum</i>
✓ 11	3876	<i>Eulophia Vanoverburghii</i>
✓ 11	3885	<i>Liparis Lyonii</i>
✓ 11	3886	<i>Phaius philippinensis</i>
✓ 11	3906	<i>Coelogyne Lohrii</i>
✓ 11	3911	<i>Eria rugosa</i>
✓ 11	3914	<i>Bulbophyllum stellatum</i>
✓ 11	3918	<i>Bulbophyllum sensile</i>
✓ 11	3921	<i>Eulophia exaltata</i>
✓ 11	3923	<i>Habenaria warbugeana</i>
✓ 11	3924	<i>Dendrochilum Cobbianum</i>
✓ 11	3933	<i>Liparis confusa</i>
✓ 11	3936	<i>Adenostylis Vanoverburghii</i>
✓ 11	3941	<i>Dendrobium aureum</i>
✓ 11	3942	<i>Dendrochilum tenue</i>
✓ 11	3943	<i>Spathoglottis Vanoverburghii</i>
✓ 11	3944	<i>Malaxis quadriloba</i>
✓ 11	3945	<i>Bulbophyllum crasypetalum</i>
✓ 11	3946	<i>Dendrochilum glutinosum</i>
✓ 11	4039	<i>Spathoglottis cluspathum</i>
✓ 11	4040	<i>Pachystoma pubescens</i>
✓ 11	4041	<i>Coelogyne Lohrii</i>
✓ 11	4042	<i>Papilionopidium Argus</i>
✓ 11	4043	<i>Dendrochilum longispicatum</i>
✓ 11	4045	<i>Eria ornata</i>
✓ 11	4046	<i>Spathoglottis Vanoverburghii</i>
✓ 11	4047	<i>Phreatia intricata</i>
✓ 11	4048	<i>Dendrobium aureum</i>
✓ 11	4049	<i>Dendrochilum microchilum</i>
✓ 11	4050	<i>Habenaria Capelandis</i>
✓ 11	4051	<i>Eria Vanoverburghii</i>
✓ 11	4052	<i>Ascotainia Elmeri</i>
✓ 11	4053	<i>Coelogyne Philippinensis</i>
✓ 11	4054	<i>Adenostylis Elmeri</i>
✓ 11	4054	<i>Eria ovata</i>

Numbers in the Weber list were sent to Schlechter in an earlier exchange.

✓ Weber	S. n.	Species	Location
✓		<i>Liparis dentata</i>	Palawan 1912
✓		<i>Dendrobium mindanauense</i>	Palawan 1913
✓	01	<i>Vanda lamellata</i>	
✓	05	<i>Trichoglottis latispala</i>	
✓	06	<i>Endophrasia squalida</i>	
✓	07	<i>Neodanthonia nutans</i>	
✓	09	<i>Sarcantlus cuabatus</i>	
	2		
✓	5	<i>Thelasia micrantha</i>	
	13		
	14		
	16		
	18		
	20		
O.K.	22		
	24		
	25		
	30		
	31		
✓	47	<i>Podochilus striatus</i>	
	50		
	55		
	59		
	70		
✓	87	<i>Podochilus striatus</i>	
✓	88	<i>Apenicula Weberi</i>	
	107		
	109		
	116		
✓	119	<i>Dendrobium ventriosum</i>	
✓	129	" <i>Braconiacii</i>	
✓	141	" <i>alagunus</i>	
✓	142	<i>Sarcantlus bifidus</i>	
✓	143	<i>Thurspernum elongatum</i>	
✓	146	<i>Liparis parviflora</i>	
✓	153	<i>Erica retroflexa</i> ----- ✗	
✓	188	<i>Dendrobium cultratum</i>	
✓	193	<i>Pomatocalpa bicala</i>	

✓ Weber	200	<i>Habenaria Poncestachys</i>	
✓ II	201	<i>Goodyera rubicunda</i>	
✓ II	207	<i>Podochilus unguilatus</i>	
✓ II	208	<i>Kingiella philippinensis</i>	
✓ II	210	<i>Spatioglalis plicata</i>	
✓ II	211	<i>Calanthe furcata</i>	
✓ II	217	<i>Appendicularia Weberi</i>	
✓ II	230	" <i>costaluna</i>	
✓ →	239	<i>Podochilus Plumosus</i>	253 <i>limnata allongata</i>
✓ II	257	<i>Sarcantlus micranthus</i>	
✓ II	265	<i>Bulbophyllum Capelandii</i>	
✓ II	268	<i>Sarcocilium longicalcarus</i>	
✓ II	269	<i>Oberonia iridifolia</i>	
✓ II	270	<i>Taeniopsis philippinensis</i>	
✓ II	276	" "	
✓ II	280	<i>Acanthopogon Weberi</i>	sp. nov.
✓ II	290	<i>Liparis pauciflora</i>	
✓ II	294	<i>Malaxis Ino Jugosa</i>	
✓ II	296	" "	
✓ →	306	<i>Bulbophyllum Profusum</i>	307 <i>Agrostophyl. Hasseltii</i>
✓ II	313	<i>Malaxis Mellegonii</i>	
✓ II	317	<i>Heteria mindanauensis</i>	
✓ II	320	<i>Corymborchis confusa</i>	
✓ II	338	<i>Phalaenopsis Ludemanniana</i>	
✓ II	343	<i>Calanthe Lyoglossa</i>	
✓ II	346	<i>Phalaenopsis Ludemanniana</i>	
✓ II	402	<i>Thrixspermum Kunzei</i>	
✓ II	404	<i>Eria rhodoptera</i>	
✓ →	406	<i>Calanthe Elmeri</i>	4109 <i>Sarcantlus dealbatus</i>
✓ II	411	<i>Pomatocalpa expansum</i>	
✓ II	597	<i>Endopha squalida</i>	
"	598		
✓ II	599	<i>Dendrobium crinatum</i>	
✓ II	600	<i>Pomatocalpa Patifolium</i>	
✓ II	602	<i>Sarcantlus dealbatus</i>	
✓ II	603	<i>Schoenochilus micrantha</i>	
✓ II	604	<i>Sarcantlus Weberi</i>	
✓ II	605	<i>Sarcolabium appendiculatum</i>	
✓ II	606	<i>Dendrobium lunatum</i>	
✓ II	607	<i>Oberonia iridifolia</i>	
✓ II	609	<i>Taeniophyllum philippinense</i>	
✓ II	610	<i>Liparis confusum</i>	
✓ II	611	<i>Kingiella philippinensis</i>	

✓ Weber 613 *Malaxis balabacensis*
✓ Weber 614 *Sarcophilus palauensis*, sp. n.

67 specimens sent.

O.K.	Wenzel.	Sm.	Thalassia carnata. 1913
"	"	"	Coelogyne asperata 1914
"	"	"	Malaxis dentata
"	"	"	Daliolela Pteroperna
"	"	"	Eria vulpina 1913 May 11
"	"	"	" " " " 22
"	"	"	Eulophia monostachya
"	"	"	Sarcocolla Lygonii sp. n.
"	"	"	Calanthe fuscata sp. 5, 1913
"	"	1	Spathoglottis plicata
"	"	2	Podochilus strictus
"	"	3	Dendrobium albagyneri
"	"	4	Camarotis
"	"	5	Schraeria mariantha
"	"	6	Dendrobium Philippinense
"	"	7	" mindanense
"	"	10	Podochilus Wenzelii sp. n.
"	"	11	Dendrobium Plicatile
"	"	12	Thiosporeum Wenzelii
"	"	13	Ceratostyles Wenzelii
"	"	14	Vandopsis Leytensis
"	"	15	Trichoglottis Wenzelii sp. n.
"	"	16	Agrostophyllum Philippinense
"	"	17	Eria Leytensis sp. n.
"	"	20	Hippeophyllum Wenzelii sp. n.
"	"	21	Sarcocolla acalbatus
"	"	22	Liparis confusa
"	"	23	Podochilus Clemensiae
"	"	26	Dendrobium revolutum
"	"	27	Phreatia Lygoniensis
"	"	29	Amisoneura Wenzelii sp. n.
"	"	32	Malaxis balabacensis
"	"	34	Malaxis Wenzelii sp. n.

Wenzel	357	<i>Platocoglossis Capelandii</i>
"	36	<i>Therostele obata</i>
"	39	<i>Dendrobium Wenzelii</i>
"	48	<i>Thelasis micrantha</i>
"	55	<i>Malleola constricta</i>
"	63	<i>Dendrobium albayense</i>
"	64	" <i>Scopa</i>
"	65	" <i>forficatum</i>
"	66	<i>Pholidota imbricata</i>
"	66	<i>Podochilus striatus</i>
"	67	<i>Platocoglossis Wenzelii</i> sp. n.
"	68	<i>Spatheglossis plicata</i>
"	69	<i>Platocoglossis Capelandii</i>
"	74	<i>Eria vulpina</i>
"	75	<i>Dendrobium revolutum</i>
"	76	<i>Dendrobium Brongniartii</i>
"	77	<i>Dendrobium Philippinense</i>
"	78	<i>Thelasis elongata</i>
"	79	<i>Malaxis dentata</i>
"	81	<i>Dendrobium plicatile</i>
"	82	<i>Dendrobium Leytense</i>
"	83	<i>Thrixspermum Pallidum</i>
"	84	<i>Bulbophyllum Luzonense</i>
"	87	<i>Eria brachystachya</i>
"	91	<i>Panabocalpa expansum</i>
"	93	<i>Bulbophyllum chysium</i>
"	93	<i>Eria retroflexa</i>
"	94	<i>Eulophia macrostachya</i>
"	95	<i>Thrixspermum elongatum</i>
"	96	<i>Appendicula demissa</i>
"	97	<i>Dendrobium Luzonense</i>
"	98	<i>Bulbophyllum Leytense</i> sp. n.
"	99	<i>Thelasis carinata</i>
"	100	<i>Eria rugosa</i>

Wenzel	100	<i>Thrixspermum acuminatissimum</i>
"	103	<i>Cymbidium atropurpureum</i>
"	104	<i>Eria Merrillii</i>
"	105	<i>Kingiella equestis</i>
"	106	<i>appendicula cornuta</i>
"	107	<i>Bulbophyllum Blumei</i>
"	108	<i>Taeniophyllum Philippinense</i>
"	110a	<i>Chamaeanthus Wenzelii</i> sp.n
"	111	<i>Oberonia cylindrica</i>
"	112	<i>Luisia teretifolia</i>
"	122	<i>Schoenocleis micrantha</i>
"	128	<i>Bulbophyllum Puguahanense</i>
"	133	<i>Malaxis dentata</i>
"	134	<i>Sarcanthus bifidus</i> n. comb.
"	135	<i>Dendrobium crenatum</i>
"	139	<i>Dendrobium Wenzelii</i> sp.n
"	140	<i>Dendrobium verruculosum</i>
"	141	<i>Bulbophyllum nutans</i>
"	142	<i>Dendrobium Philippinense</i>
"	143	<i>Eria fusca</i>
"	146	<i>Plocoglottis Copelandii</i>
"	148	<i>Bulbophyllum acceptionum</i>
"	155	<i>Thrixspermum Philippinense</i>
"		"
"	157	"
"	179	<i>Eria Polynoa</i>
"	180	<i>Robiquetia spathulata</i>
"	181	<i>Sarcanthus micranthus</i>
"	182	<i>Thrixspermum Wenzelii</i> sp.n
"	183	<i>Eria brachystachya</i>
"	184	<i>Thrixspermum Philippinense</i>
"	185	<i>Thulasis carinata</i>
"	186	<i>Dendrobium albosum</i>
"	188	<i>Grammatophyllum multiflorum</i>
"	190	<i>Chamaeanthus Wenzelii</i>
"	191	<i>Sarcanthus bifidus</i>
"	194	<i>Taeniophyllum Philippinense</i>
"	195	<i>Malleala constricta</i>

Wenzel	200	<i>Bulbophyllum amatum</i>
"	201	<i>Appendicula Wenzelii</i>
"	204	<i>Dendroclitum crumenatum</i>
"	205	<i>Pleocoglossis Copelandii</i>
"	206	<i>Eulophia macrostachya</i>
"	207	<i>Liparis pectinata</i>
"	208	<i>Calanthe foveata</i>
"	209	<i>Corymborchis confusa</i>
"	211	<i>Malaxis Wenzelii</i>
"	212	<i>Agrostophyllum Wenzelii</i>
"	213	<i>Malaxis balabacensis</i>
"	215	<i>Thaasidi alata</i>
"	216	<i>Liparis keylensis</i> sp. n.
"	238	<i>Malaxis longipedunculata</i>
"	240	<i>Agrostophyllum longivaginatam</i>
"	243	" <i>Hasseltii</i>
"	244	<i>Vogelia Wiberi</i>
"	252	<i>Eria vulpina</i>
"	253	<i>Dendroclitum albovirens</i>
"	259	<i>Dendroclitum tenue</i>
"	264	<i>Dendroclitum vaginatum</i>
"	270	<i>Dendroclitum arachnoides</i>
"	275	<i>Dendroclitum glumaceum</i>
"	276	" <i>tenellum</i>
"	304	" <i>glumaceum</i>
"	305	
"	307	<i>Agrostophyllum Hasseltii</i>
"	308	<i>Eria dagamensis</i>
"	312	<i>Phreatia sulcata</i>
"	314	<i>Eria dagamensis</i>
"	315	" "
"	317	" "
"	319	<i>Dendroclitum glumaceum</i>
"	320	<i>Eria dagamensis</i>
"	321	" "
"	322	" "
"	323	" " sp. n.
"	324	" <i>Woodiana</i>
"	332	<i>Dendroclitum tenellum</i>
"	333	<i>Eria senilis</i>
"	335	" "
"	338	<i>Dendroclitum Wenzelii</i>

- Wenzel 340 *Eria fastigiatifolia*
- " 353 *Liparis Ceylensis* ----- 2
- " 354 *Eria vulpina*
- " 355 " "
- " 357 *Eria Janssii*
- " 358 " "
- " 368 *Liparis confusa* ----- 2
- " 371 " "
- " 379 *Schoenarchis muciantha*
- " 384 *Cryptostylis arachnites*
- " 385 *Procoelotus Wenzelii*
- " 387 *Bulbophyllum Levanae* sp.n.
- " 388 *Obuaria Wenzelii* sp.n.
- " 395 *Bulbophyllum aestivale* sp.n.
- " 400 *Leipodium paludosum*
- " 401 " "
- " 407 *Dendrobium revolutum*
- " 412 *Coelogyne bilamellata*
- " 414 *Obuaria Wenzelii*
- " 415 *Dendrobium Ceylense*
- " 418 *Leipodium paludosum*
- " 421 *Grammatophyllum multiflorum* (2 sheets)
- " 436 *Obuaria Wenzelii*
- " 441 *Dendrobium interjectum*
- " 446 *Dilochia Elmeri*
- " 447 *Bulbophyllum mindanense*
- " 452 *Eria vulpina*
- " 467 *Eria retroflexa*
- " 487 " "
- " 499 *Eria Polyura*
- " 500 *Eria Whitfordii*
- " 500 *Dendrobium tinellum*
- " 503a *Malaxis Wenzelii*
- " 508 *Eria Polyura*
- " 518 *Dendrobium Eucorum*
- " 527 " *unicorne*
- " 531 " *interjectum*
- " 553 *Eria vulpina*
- " 556 *Bulbophyllum ginagayanense*
- " 558 *Eria retroflexa*

- Wenzel 570 *Eria retroflexa*
- " 573 *Phreatia luzonensis*
- " 584 *Eria Polynia.*
- " 594 *Dendrobium interjectum*
- " 596 *Agrostophyllum philippinense*
- " 602 *Dendrobium Emorum*
- " 602 *Dendroclidium Cagayanense*
- " 619 *Agrostophyllum longicaule*
- " 644 *Bulbophyllum caeruleum*
- " 646 *Agrostophyllum longicaule*
- " 648 *Calanthe pulchra*
- " 657 *Bulbophyllum chrysanctum*
- " 658 *Calanthe magnilingensis*
- " 659 *Bulbophyllum philippinense sp. n.*
- " 661 *Ceratostylis Wenzelii --- 2*
- " 662 *Liparis confusa*
- " 671 *Bulbophyllum caeruleum*
- " 672 " *alsiosum*
- " 673 *Liparis monophylla sp. n.*
- " 674 *Eria Leytensis*
- " 676 *Dendroclidium glumaceum*
- " 678 *Ceratostylis Wenzelii*
- " 681 *Bulbophyllum masaganapense sp. n.*
- " 700 *Eria cyrtiformis*
- " 705 *Agrostophyllum philippinense*
- " 708 *Liparis Javanica*
- " 713 *Phreatia Amusii*
- " 716 *Eria vulpina*
- " 718 *Liparis Amusii*
- " 719 *Agrostophyllum Hasseltii*
- " 721 *Liparis Leytensis*
- " 742 *Agrostophyllum Hasseltii*
- " 745 *Ceratostylis Wenzelii --- 2*
- " 752 *Agrostophyllum Wenzelii*
- " 754 *Sarcanthus micranthus*
- " 761 *Bulbophyllum Javanica sp. n.*
- " 762 *Eria cyrtiformis*
- " 763 *Agrostophyllum Hasseltii*
- " 765 *Bulbophyllum Luzonense*

- Wenzel 771 *Bulbophyllum hartwegiioides*
 " 773 *Bulbophyllum simulacrum*
 " 774 " *adenopetalum*
 " 775 *Liparis pallida*
 " 778 *Bulbophyllum adenopetalum*
 " 787 *Dendroclidium Wenzelii*
 " 799 *Liparis Jarensis* sp. n.
 " 800 *dendroclidium glumaceum*
 " 809 " *Propinquum*
 " 811 *Bulbophyllum mindanense*
 " 813 *Liparis Jarensis*
 " 815 *Bulbophyllum mindanense* 2
 " 826 *Bulbophyllum adenopetalum*
 " 829 *Phreatia Amesii*
 " 854 *Eria cymbiformis*
 " 862 *dendroclidium Wenzelii*
 " 864 *Eria Woodiana*
 " 866 *dendroclidium arachnites*
 " 875 " "
 " 879 " "
 " 886 " *Wenzelii*
 " 887 " *tenue*
 " 888 " "
 " 890 *Eria senilis*
 " 898 " "
 " 899 " "
 " 900c *Vandopsis Leytensis*
 " 901 *Eria senilis*
 " 919 *dendroclidium tenellum*
 " 925 *Eria cymbiformis*
 " 926 *dendroclidium arachnites*
 " 945 *Oreocia Leytensis* sp. n.
 " 984 *Habenaria alagensis*
 " 1,006 *Podochilus strictus*
 " 1,012 *dendrobium crumatum*
 " 1,072 *Bulbophyllum Profusum*
 " 1,082 " "
 " 1,086 *Podochilus plumosus*
 " 1,091 *dendrobium Escottii*
 " 1,099 *Thelasis elongata*,

Wenzel	1104	<i>Trichoglossa mindanensis</i>
"	1141	<i>Malaxis latifolia</i>
"	1144	" "
"	1155	" "
"	1179	<i>Cologyne quinquelamellata</i>
"	1206	" " sp.m.
"	10,002	<i>Microrhynchus Wenzelii</i>
"	10,003	" <i>brunifolius</i>
"	10,008	<i>Dendrobium Luzonense</i>
"	10,012	" "

275 numbers made ready for Dr. R. Schlechter August 1921

Santos	7	specimens
Ramos(D)	6	"
Ramos	5	"
Native	3	"
Callica	7	"
Leema	5	"
Lisaon	11	"
Serrate	9	"
Haight	12	"
Rullo	31	"
Boettcher	19	"
Wilson	67	"
Wenzel	275	"
Vano.	108	"
	<u>565</u>	"

North Easton, Mass. August 11th, 1921.

My dear Dr. Schlechter:

Your letter of July 22d is just here. I think I understand your attitude thoroughly and it gives me pleasure to tell you that I am ready to throw myself into the work on the Folia and get ready a fair number of species at the earliest possible time. I do not feel that any time has been lost, because in my opinion it will be well to see manuscript in advance and an opportunity to make the first part of the publication a substantial beginning. When I hear from you with regard to *Pogonia* and its allies I intend to do *Triphora*, *Isotria*, *Pogonia* and if you agree with me that it should stand, *Psilochilus*. In addition I will take up *Acriopsis* because I am interested in it, and have material. *Doritis* and *Kingiella* also interest me. For good measure I can throw in some of our small native American genera, *Calopogon*, for example, and *Arethus*, *Crybe* and what not, and in the meantime whip my *Acoridiums* into shape if I decide to segregate the species from *Dendrochilum*. Then there are some Philippine genera that I intend to do. You will readily understand that I want to begin with small genera, because for the large ones I want more time. Some of the large ones it may be well for us to portion out so that we can get them along and derive advantages from a division of labor.

What you say about drawings made for your herbarium interests me very much. I have always made a practice of preparing camera lucida sketches of my new things and of critical species. When I was at Kew in 1905 Rolfe was much interested in my dissecting microscope with its camera lucida attachment and when I left Kew I presented the outfit to him much to his delight. As a sort of return he made drawings for me of the Kew *Dendrochilums*. I also add plates to my herbarium and whenever I can pick up a book at a reasonable price that is rich in orchid analyses I take it to pieces and add it to my herbarium. I also have photographs of types, sketches made for me at Kew, and a complete representation of the Linnaean orchids, etc. etc. For years I have subscribed to a separate set of the Botanical magazine just to get the orchid plates for my herbarium.

In my last letter I informed you that I had packed up for transmissal to you 595 duplicates of Philippine orchids. When you add to these the Bornean set of 170 specimens and the small collection of Bureau of Science things sent last winter, (32 specimens) I think I merit a little attention from you notwithstanding the fine things that are now well on the way to being mounted and ready for

distribution.

I enclose a list for you. After I made it out I realized that it would be a hopeless task to have you attempt to touch it. You might, of course, attack some of the earlier genera, but I doubt, very much, unless you could get somebody competent to make tracings, if it would be worth while to begin at all. Of course I want the tracings badly and I would be willing to pay for them, but would it not be a dreadfully expensive operation, even those from your own herbarium, to say nothing about the reams of things that Feichenbach described. Do what you think is best, bearing in mind that I really need every one of the species to be represented in my collection. And I want them soon!

You may count on distributions from the Bureau of Science material this winter, so in making up sets for me bear this fact in mind. I would also welcome opportunities to exchange with some of your museums if you can arrange for it. Did you send me as much *Celebes* material as possible. I am anxious to have orchids from *Celebes*.

Your new genera are very poorly represented here. Tracings of those not based on new interpretations would be very welcome.

Yours sincerely,

Charles D. C. Jones

(A)

North Boston, Mass., August 16, 1921.

My dear Dr. Schlechter: Just a few words to inform you that your letter of July 31st, has just arrived.

Additional material of *Pogonia ophioglossoides* var. *brachypogon* Fernald goes with this under separate cover together with some scraps of *Cleistes divaricata*. This species has a vertical rhizome as do *Isotria* species and *Pogonia ophioglossoides*. I am inclined to believe that the perianth falls off before the capsule is formed. Although I called your attention to the persistent perianth of *Triphora* in an earlier letter, I later informed you that this character did not hold sufficiently well to be used in a generic key. As to *Triphora* you will find that the subterranean system of *T. trianthophora* is made up of stems and stolons, so cannot use the contrasting terms based on roots. *Isotria* and *Pogonia* multiply by root shoots that originate from a vertical rhizome. As to *Psilochilus* we have a different situation entirely: a creeping rhizome rooting at the nodes.

(in part) For the Folia I intend to do *Isotria*, *Triphora*, *Psilochilus* and *Pogonia*. This leaves *Cleistes* for you. Our joint treatment of *Triphora* (in brief) is to appear as I suggested, unless you have objections, in the paper I am writing for "PHOTOPH". Please send tracing of *Oberonia neglecta* Schltr. The FORNEAN SPT #1 went some time ago to Berlin.

Yours in haste,

That Venezuelan *Epimedium* is flowering again. It suggests *E. attenuatum* different petals, however. Linnaeus' 734 as sketched by Lindley has somewhat similar labellum.

(A)

Ⓐ

North Easton, Mass.

August, 17th, 1921.

My dear Dr. Schlechter:

I enclose a few flowers of that Epidendrum. From a sketch in my note book it would seem that the species is very closely allied with *E. graminatoglossum* Peitchb. f. I do not have any authentic material of this, my sketch having been taken from Lindley's plant communicated to him by Linden. Do you know this species from Peichenbachian material?

I am starting in on the Folia. Now that a beginning has been made I expect to go forward with that speed which I can safely keep up and do work that will be satisfactory to me.

In a recent flora of the Bahama Islands by Britton and Millspaugh you will find the genera that I have referred to in my letters. J. K. Small has made a wholesale reduction of Epidendrum.

The Triphora from Florida to which I called your attention seems to be *Triphora cubensis*. When I make a study of the flower I intend to make a drawing for you.

Please arrange to have tracings made for me of the Central American Habenaria species etc. We can then tell whether or not it will be worth while to attempt to complete the list of desiderata I sent to you last week.

Yours in haste,

Chas. C. ...

Sept. 1, 1921

Dear Mr. Schlechter:

I have just been working through my Central American ~~species~~ collection of *Phytolacca*. I find a mess, as some of the J. D. Smith numbers of Turckheim's Plants seem to have been mixed. The type collection of *P. Polygonatis* Cms. no 7678 of Smith's contribution. In the U.S. Natl. Herb. this number is represented by a specimen that seems to be *P. angustifolia* Schell. In Natl. Herb. Smith's 8463 (Turckheim II. 733) is surely *P. Polygonatis* Cms. On this number *P. Turckheimii* Schell. is based. It would help me much to have herbaria of *P. angustifolia*, *P. strictophyllus*, *P. Turckheimii*, *P. trilobulatus*, *P. luniformis*, *P. humicola*, *P. Lehmannii*, and *P. macrocarpa*. Can you get these off of me very soon? *P. strictophyllus* in the Natl. Herb. as represented by the number of the type collection seems to be *P. Polygonatis*. It would help to have articles of *P. calliphyllos* Reud. p. Please!!

Yours as before
Ed. W. Coker

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

7. Sept. 1921.

My dear Dr. Sauer!

You must excuse me, that for such a long time I was quiet. The fact is, that after returning to Berlin in middle of August I was finding such heaps of work awaiting me, that it was impossible to start with anything before I had not made at least a little bit of clear ground. I am now going to take up one by one of your diverse questions, that you have addressed to me and I hope that within a very short time everything will be settled satisfactorily.

To Prof. Floss I have spoken at once and I hope that by now you will be in possession of the different copies that you have been asking for. I am packing up to-day yet several of my last publications and will get them despatched with this letter.

The Epidendrum from Venezuela I have

been examining in time and have come to the conclusion, that it is *C. grammoglossum* Rehb. f. But this species is altogether mis- placed by Reichenbach and Kindley. It does not belong to *Bidepicturatum*, but is a clear species of *Osmophytum*, nearest allied per- haps to *C. calamorrimum* Zoll. In the column it agrees altogether with *Osmophytum*.

I am drawing up the list of your Chinese Orchids, which you sent to me as duplicates and will forward it at an early date.

Many thanks for the beautiful lot of Bor- nean Orchids. They arrived well and gave me much satisfaction. The arrival of the first Philippine lot in June, I have acknow- ledged ^{at once} by card. I am afraid this card has not reached you.

I fully appreciate, that you have been looking out the new lot of Philippine Orchids (505 speci- mens) for me and you can depend upon it, that you will have splendid material from me too. I am working generally from 5 o'cl. in the morning until late at night and

am doing all in my power to satisfy you.

Circumstances are however not well and I have to spend a certain time of the day to get do some more popular, period writing. Whereas generally things are costing about 13-15 times as much as in 1914, our salary was only raised to about 5 times as then, and this will explain you the situation better than anything else.

I had great difficulties to get a good person to draw the analytical pictures for you. But now I think I have got one, which will start tomorrow to copy first of all the analyses of the Triphora and then I will at once get sketches made of the species you have been asking for. On the compilation of the species I have been working already and I wish to send you a key to be starting the next days for Triphora.

I have carefully analysed the scanty material of Triphora mexicana. There cannot be any doubt, that it is specifically distinct.

The shape of the leaves is different, the flower larger, the lip altogether distinct. I will send you by my next letter the analysis of T. mexicana and T. trinanthophora as I could make it out and you will see the differences quite clearly. I have besides a very interesting new Triphora from Amazonas, which might be published at once too. I will send you a sketch and the description. Unfortunately I have only one tiny little plant.

Of Gleistes I have been getting splendid material and this will come in handy for a monograph of the genus.

I am now putting aside for you splendid material of Costa-Rica Orchids. I got a very large collection, that was made in 1909-1910 there by Alexander Sargent Pringle. The number of varieties is perhaps not so very large, but the material is good ~~to~~ and rich and like this I will be able to spare you many samples of old Reichenbachian species and of these that I described formerly. I have 2 new genera from there. One allied to Lepanthes another allied to Hexisen.

As to the New-Guiden-Orchids, you have, as far as I can judge not a third of what you are going to get. I wished to distribute another lot yet this year, but under the circumstances, that I have mentioned to you, I could not find the time yet to do so. In winter it will be out of question, because at home, where I have got all these duplicates, we won't have enough coals to heat the room, where I can distribute them, we are only allowed sufficient supplies to keep one family-room warm.

The Orchidflora-list of Peru has at last appeared, but I have not yet got all the copies, as soon as possible I will see that your copies are sent to you. I am abstracting at once with the printing of the Bolivia-manuscript.

As to the Vienna-trip I will write to you fully in the next letter, Mr. Schneider is not in Berlin at present and it is difficult to get the proper dates for the newspaper's work costs together.

The *H. Domingo* - Orchids and the materials of economic plants, that I had been sorting out for you in the Museum will be sent to you shortly. I have spoken about them to Diels yesterday.

As to the "Folia" I agree to anything that you might decide. As soon as I see, that there is a start I will put all the strength on the work and you will soon have enough manuscripts. As soon as you get a speedy continuation. I have drawn already quite a lot of species of many genera, where I only need to make yet a few analytical drawings to complete them. It is quite right, that we should start first with smaller genera and then, as material necessitates, to over to the bigger ones.

This is only a hurried letter, to show you, that I am active for our work and for your interest. I will now start to answer to everyone of your questions singly in my quickly following letters.

Yours very sincerely
R. Schlechter.

10. Sept. 1921.

My dear Mr. Ames!

I am hurrying this letter today to you, that you might not have to wait too long for the key of Tripturn, as I think it could go.

In this key I have to make a few remarks. First of all I am convinced that Pogonia edensis is identical with T. gentianoides (Fr.). It seems to me and besides, that Ag. pusilla Rehb. f. & Wurm, which is surely allied to T. Wagneri Ichlt. and T. microrrhiza (Lorenz) should be included into Tripturn.

Pogonia microstylis R. f. is a doubtful plant. I do not yet know, what to make out of it.

I have got copies made of all my ^{new} Tripturn-species, in number and of Monophylloides as far as the analysis goes and at the same time sketches of my material and I am sure, that they will be

20
100
20.00

of use to you. They want now here for these sketches
 15-20 marks each, but I think according to our
 last valuta you will consent to this and therefore
 I have got them done and paid them from the funds
 that you have sent. I will at once order the sketches
 of the Nobenuvians from Central-America. Do write
 to me, as soon as you get these sketches, if they
 are satisfactory to you. The habitus-picture is all-
 ways made in live-size. I will send too a sketch
 of Pogonivus in a few days with the Nobenuvians, be-
 cause I think, that this genus, of which we have
 good material is not well represented in your
 Herbarium. It approaches Triphora closely.

The sketches of the Triphoras I am sending by
 registered letter and hope they will arrive well.
 The Nobenuvians are going to follow along with
Monophylloclis and Pogonivus in the course of
 the next week.

As soon as I am a bit farther with my general
 determination-work I have got lots of things from
 Central- and South-America to go through yet!

then I will send you in a ~~new~~ monograph of the Utriculariaceae and Cryptostylidaceae for the Tolm.

I have got the intention to publish shortly on "Orchideenflora of Yarrinum". I have got all the materials from Holland (Utrecht) and besides I received lately some collection through the Brüdergemeinde of Herrenburt / German Missionaries). I think I have written to you already that I have been asked to make the Orchidaceae for the new edition of the "Flora von Formica" which is starting to appear from the beginning of next year. The Orchidaceae are supposed to appear in 1924. I will most probably keep there a similar sequence as the one I have proposed in my manuscript sent to you.

Amongst the drawings of Triplaris, you will find a new species T. nana, a very distinct one, which I propose to publish in combined authorship with you, i.e. if you consent

to this. I am adding besides copies of my analytical drawings of other Triphora, from them you will see for my reasons, why I regard T. mexicana distinct from T. trinitatophora.

I will write again tomorrow or the day after and then take up some of your other questions in your last letter.

The Pleurothallis from Guzman, collected by Hitchcock I could not match yet. The Vaccinioidium from Florida, which is surely specifically distinct from V. Wentworthianum and all its allies, I would advise to describe, and propose the name V. floridanum for it.

Have been thinking over the Acrostichum - Dendro-
chilum - question. I am convinced, that Acrostichum
has to be kept generically distinct. It is quite
well characterized by the immobile labellum, the short
column and the rostellum, besides the structure of the
labellum is different. What you propose doing in this
matter. Best wishes and compliments
Yours very sincerely, R. Schomburgk

North Easton, Mass. September 12, 1921.

My dear Dr. Schlechter:

As a title page is the first thing we must agree on before we go to press, I have started the ball rolling by putting together the following suggestion. You are at liberty to amplify or change it as you think best.

FOLIA OECETIACIA

Auctoribus

CAKES AMPS ET RUDOLF SCHLECHTER.

BOSTONI

MCMXXI.

I suppose the title should appear on the covers to the genera, at first, and later be supplied for complete sections. Let me hear from you about this.

1. If you have suggestions for a preface or introduction, please draw them up and send them to me promptly. I am of the opinion that this part of the work should go in German or English, or both. Latin would be a bit pompous.
2. My plan is to publish first your treatment of Subtribe Grobyeae together with my work on Isotria, Hexalectris and Aplettrum. This will not be a pretentious beginning, but it will serve the very useful purpose of offering us material for consideration with regard to the make-up of future issues.
3. I do not believe that we ought to put out your SYSTEM until we have polished it a bit. I really feel that the generic synonymy should be given with this. If you will send me a redraft of it I can have one of my assistants give it a thorough combing. As the list of genera now stands several numbers are given twice, as for example '225, 225a'. Of course you will wish me to complete the sequence and remove double numbering. You have, I think, slipped once or twice in your citation of authorities. If this is so you will rely on me to make corrections, I am sure. *Sigmatichilus Rolfe*, which I thought you had omitted and wrote to you about, is given in the list as *Sigmatogyne Rolfe*. Such an obvious error you will, of course, wish me to correct without reference to you.

4. I have been working through *Ponthieva*, recently, and find it a very fascinating group. If I can get the necessary material for a complete treatment of the species I would like to do *Ponthieva* for the FOLIA. By the way, I find in the U.S. National Herbarium several specimens of this genus that you determined. These puzzle me greatly and I wonder if your determinations were based on searching observations. *Ponthieva rostrata* Lindl., for example, based on *Biolley* #3240, seems to me to be *P. glandulosa* R. Br. That is, if my *P. rostrata* Lindl., from Quito, (Jameson #689) has been correctly identified. And then again, *P. guatemalensis* R. f. based on *Fittier*, s. n. Costa Rica, Dec. 11, 1898, authenticated by you, does not seem to differ from *P. ~~guatemalensis~~ ^{guatemalensis}* as I understand that species. In this connection I would like to have your opinion of the U. S. *Ponthieva racemosa* Mohr. Do you consider that this is the same as the West Indian and Central American species. Have you good material of this?
5. A tracing of Reichenbach's *P. guatemalensis* would be most welcome!
6. There is a specimen of *Ponthieva maculata* Lindl. in the Natl. Herb. determined by you. The specimen came from Costa Rica. Why did you omit *P. maculata* from your list of Central American orchids?
7. Tracings of your new species of *Ponthieva* would be very welcome.
8. A duplicate copy of your list of Central American orchids is sadly needed here!
9. I come back to the *Triphora mexicana* (Wats) problem. I have examined critically additional material from Mexico and I believe you are right after all: this is a distinct species, and sufficiently unlike *Triphora trionthophora* Rydb. to be easily separated. In my efforts to reach definitive conclusions about this I found in the Field Columbian Museum a specimen from Yucatan that you had passed on as *Pogonia mexicana* Wats. var. Prof. Killip was very anxious that I should boil out a flower. I have done this, and I find that it is a new species if there ever was one and I intend to call this Yucatan *Triphora* *T. yucatanensis*. The lip suggests *T. cubensis*, but there the similarity ends!
10. I shall publish my notes on *Triphora* in ORCHIDACEAE VII. Not in "Phodora" as at first planned. Please send me your tracings of your new species and your permission to publish our joint treatment of *Triphora* in ORCHIDACEAE VII.
11. What is your *Triphora Egneri*? Where is this to be published?

I found that I could not insure packages forwarded to Germany so that I sent the exchange material of Philippine orchids to you piecemeal. The last package goes off to-day.

We receive good news from the Mulford Biological Exploration Expedition. The party is just about to enter into unexplored Bolivian country. This Expedition should accomplish distinguished results as there are two capable botanical collectors among the members, and one energetic entomologist, a friend of mine, who feels responsible for the success of my representative (as he helped me to select him) and has promised to keep him busy all of the time by finding orchids for him and compelling him to preserve them. All orchid material secured by the expedition is to come to me including that specially collected by my representative.

This letter has run well beyond reasonable limits, but I must go on with it as there are several very important points connected with the POLIA that need your prompt attention.

12. When we publish a single genus or several genera of a Sub-tribe, must we repeat the characterization of the Sub-tribe? This leads to the suggestion that the subtribes should be grouped after the SYSTEM, or each one published only once when the first genus of a sub-tribe appears. Your *Crobya*, for example, works out well because it is complete in itself, but, how about *Isotria*? That is, if published by itself? I should think that the best plan would be to give the characterization of the subtribe when the initial genus ^{of a subtribe} is issued, then the work will bind up in proper form and unnecessary printing will be avoided. Why not draw up a skeleton or outline of the *Vanilleae* and let me see what your views of this matter are?

13. As I understand your wishes each genus is to appear with its own pagination from 1--000 and to be in a separate cover, the title of the whole work to be printed on each genus cover? To clarify this point will you please draw up a cover page for *Crobya* and your idea of a cover for a single genus of a large sub-tribe. It seems to me that each cover should be numbered in sequence, no matter what genus or genera it contains. Otherwise there would be no means of knowing that one had all the published parts until the word *FILIS* had been printed on the last part.

14. Please have tracings made of the species of the *Ophrydeae* and *Neottieae* contained in the long list I sent to you.

Yours sincerely,

September 18th, 1921.

My dear Dr. Schlechter:

You will begin to think that all I have to do is to write letters.

Regarding descriptions. I note that you prefer the relative. Is there any reason why we should not follow our own taste in this matter? Personally I like the nominative with full stops. The advantages of this are really well worth consideration.

Size of the Folia: I propose a format similar to the last issues of the Journ. Linn. Soc. Perhaps a similar type, and a similar quality of paper as to surface. I note that you write about a smooth surface to bring out sharp lines in the illustrations, but it seems to me that a heavily coated paper is not only hard on the eyes but very heavy and difficult to use in a reference book. Perhaps you will let me experiment with papers and steer a middle course. We are bringing a very serious and important publication ~~and~~ and we should avoid putting materials in our book that are perishable or that break down quickly under use.

Geographical distribution of common species. Is it necessary to cite collectors? *Isotria verticillata*, for example, is represented in herbaria by hundreds of specimens and is found halfway across the States and goes Sullivan to Florida and Mexico! Proper for such species a general citation, unless you feel that we should select a few specimens for special record.

Your suggestion regarding duplicate prints of illustrations is excellent one. This will have attention.

Unless you object I intend to run the name of the species on the same line that begins the description. This will in the end save a vast amount of space and presents, in my estimation, a better looking page.

I have a number of ferns under way and hope to finish them up promptly. My chief difficulty comes in *Fletillia*. May I depend on you to send me traces of your new things and any other species that you have drawn. *Calopogon*, *Arethusa* and *Crybe* are well represented in my collection, but your analyses of *Crybe* would save my time. *Mn. Calopogon* there are one or two obscure ones, but these I hope to clear away very soon. I made a careful study of the Lloydley material and my herbarium is rich in this genus. The ferns I am now at work on are the following: *Allectrum*, *Arethusa*, *Acriforsis*, *Calopogon*, *Crybe*, *Fletillia*, *Texalectris*, *Isotria*, *Pogonia*, *Selenipedium*, and *Thecoctenale*.

You once asked about *Cetasetum arachnoides* Ares. This is, surely, *C. collinum*. As I remember the case, I wrote up the plant in a gardening magazine years ago and drew my lines too close. So much for that.

I have schemed out a preface for the first issue. When I have time I shall dress it up and send you a copy for your criticism. I believe that the time taken now to make sure that we start right and attend to the smallest details will pay us over and over again. After we get out the *Crobya* and *Isotria* species, an Introduction or Preface, and see our proposed work in cold print, I am sure that the rest of the book-making will be a simple matter, indeed, and that as soon as ready the ferns can go to press with very little delay. --- Fast enough to please ever your ardent wishes for concrete results.

Yours faithfully,

Charles Christy

14. Sept. 1921.

My dear Dr. Ames!

Not to let you wait too long, I will answer to day at least a few of your questions from your last letter, in a short style.

The Spiranthes or rather Brachystele Breuneri is quite closely related to B. geynensis but surely specifically distinct. I am much afraid now, that it is identical with Brachystele geynensis (R. P.) G. Sch. I will try to look out a specimen for you and send it on.

Of Dendrobium Wilmsianum I am enclosing a tracing of my type and a few flowers. I hope, this will serve you well.

The Florida Oncidium is surely a distinct species. I would propose the name O. floridanum for it.

Pleurothallis Hitchcockii Ames, until now I have been unable to identify from your sketch with anything, that I know. I will keep it in mind and try further.

The description of Cyrtopogon Bagehii Karst.
I have copied and enclose it in this letter.

Of Oberronia neglecta Yellb. I have made a rough
tracing of the habitus and the analysis. You will
see by this, that your plant is a quite distinct
species from it.

I have got to-day your letter respecting the
species of Physurus and have at once asked
our artist to make paper tracings of my ori-
ginals and my analytical drawings. I hope
to be able to despatch all these in a few
days. As soon as they are finished I hope to
be able to get the Nabonnaria from Central-
America done.

I hope, that you have got my letter, which
I sent a few days ago and the tracings of
the Triphoros. As to Psilochilids I wish to
point out to you, that the Guatemala-plant
seems specifically distinct from the West-In-
dian P. macrophyllus, we might call it P. guat.
Amulensis. Of the Brazilian species I have your
material too.

I will write very soon more. With best com-
pliments, in haste
Yours very sincerely
R. Yellicott.

North Easton, Mass., Sept. 16th, 1921.

My dear Dr. Schlechter:

The following genera are the ones I have referred to in my letters. *Carteria* Small, *Spathiger* Small Fl. Miami, (1913) 55. *S. rigidus* Jacq) Small. *Auliza* Salisb. Taken up. *Epicladium* Taken up. *Anacheilium* Taken up. *Nidema* Britton & Millspaugh, a new genus to take in *Epidendrum Ottonis* Reichb. f. *Triorchus*, *Plotypus* and *Habenella* are of course known to you. *Nidema* is characterized in the key as being pseudobulbous with an entire lip that is nearly linear.

Now I come to a very important point. I note how you sign your name in the case of *Crobya*, that is directly under the name of the Subtribe *Crobyeae*. But when you treat a single genus this method will mess things up as the citation of the original publication comes directly under the generic name. I propose the following way out, and I think it has very great advantages.

SUBTRIPUS XXIII VANILLEAE
B. GREX *Apothemoosteles*

FOLIA ORCHIDACEAE

GENUS CLEISTES
Auctore R. Schltr.

102. *Cleistos Lindley*,
Gen. Sp. Orch () 409.

This beginning of a genus page has the disadvantage of a repetition of the generic name. In any case it would be a good thing to get this data on the genus cover. Please think deeply on this matter and let me have your views by return mail.

You may not object to a break in the continuity of the work by bringing the author's name, as in the above case, under Gen. Orch. Sp. or other citations that may be necessary to complete the heading, that is

102 *Cleistos Lindley*
Gen. Orch. Sp. 409.

Rudolf Schlechter.

We should settle this matter right away as I want to get our work out at the earliest possible date. Give me more than one example of what would be in accordance with your taste in the matter.

If you are willing that I should do the *Pletilleae* please send me any data that you think I should have. I would then finish this group and add to it several small genera as a second contribution to the *Folia*. *Calopogon* and *Arctusa* surely should be mine as I live with them. I know *Crybe* too.

Perhaps before I receive a reply to this letter the printers will be setting up type. The details I am now troubling you with can be settled in time for the final proof. I shall send you sample sheets as soon as I get them. I also intend to send you a copy of my work on *Isotria*. This is done, of course, and simply needs to have a few habitats added for *I. affinis*.

I have not heard from you since July 31st.

It is too bad that we cannot settle down to a good long talk about the Folia! We could settle so many little points and smooth the way for a proper beginning. As it is, I am afraid that you will think that I am fussy and more concerned about appearances than results. That is not so. But I realize that we are embarking on a colossal undertaking that will take years to finish and unless we attend to the apparent trifles we will encounter snags that may necessitate exasperating changes as we go along.

Yours faithfully,

Charles D. Coe

P.S. After making a few experiments I have concluded that all work should be signed by its author at author at the end. If an attempt to sign at the beginning all kinds of exceptions will occur. In every case the most prominent place for designating authorship will be on the genus cover. Therefore it would be unwise to give authorship under Prominens when actual damage to the flow of the work would be done. Please sign at the end of *Isotria* not at the beginning. (A)

Money & thanks for
the most interesting
Kinn-Bois-sets of
the Philippine-Colle-
ction one you will have
arrived. It contains too
a lot of interesting material.
Best thanks for this one

R. Schlecht.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.



Dr. Vokes & Co.

355 Commonwealth Avenue

Boston, Mass.

United States & Canada

21. Sept. 1921.

Dear Dr. Jones: Yesterday I have despatched
"Orbis" 1924 since April. The others are going to
follow one by one. The story before yesterday I
have sent off the Physidius-~~sketches~~. I hope, you
will be satisfied with them. All your other
sketches I was going to fulfill to an extent & possi-
bility. I will get sketches made now of the Kalevans
from C. Amer. about Vienna. I hope to be able to
write one of these story.

Yours very sincerely
R. Schlechter.

North Easton, Mass. September 25th, 1921.

My dear Dr. Schlechter: Your letter of September 7th, was most welcome. I had begun to fear that illness had overtaken you, but, it would seem that with you, just as with me, interest in work is a very effectual silencer in the realm of correspondence.

Your identification of the Venezuelan Epidendrum simply substantiates my final conclusion. So much for that.

Surely no better news could come from you than that about the Costa Rican duplicates! I am like a child, now, with regard to Central American material, and promises of specimens from that interesting and botanically historic region come like grains of gold in my correspondence. If you have any regard for me at all get this Costa Rican material under way, and if you have other central American things crowd them in. I shall heap blessings on your head when I receive this much desired acquisition. And leads me to ask that you have the one chosen to make tracings, concentrate on that long list I sent to you in August. I have a collection of Cuatrecasas orchids to work up and I must know what your new things are.

NOW FOR QUESTIONS:

1. Where do you place the following in your scheme of the *Spirantheae*?
Spiranthes Arseniana Kränzl.
Spiranthes bracteolaria Kränzl.
Spiranthes comosa Pedob. f.
Spiranthes ensifolia Feichb. f.
Spiranthes lobata Lindl.
Spiranthes Nelsonii Greenm.
Spiranthes porphyricola Schltr.
Spiranthes Richardeana Schltr.
Spiranthes rubrocallosa Robins. & Greenm.
Spiranthes seminuda Schltr.
Spiranthes Verklei Schltr.
2. Why is not *Cranichis sylvatica* Fich. & Gal. in your list of Central American species?
3. Why is not *Cranichis parvilabris* Lindl. in your lists of S. Am. orchids? I enclose a photograph of what I took to be the type of this species. It seems to me to be a *Ponthieva*. If you agree with me, then we must make revision.
4. Why is not *Cranichis glandulosa* Fich. & Gal. a *Ponthieva*? A Müller specimen from Orizaba that I have in hand is an unrecorded *Ponthieva* from Mexico and in habit is a counterpart of the Fich. & Gal. type in the Mus. Par. Herb.

5. In working up Ponthieva and Cranichis careful research will be necessary, as the species seem to have been indiscriminately placed.
6. Tracings are much needed of your new Central American species published in Fedde Repert. XVI(1920)357, XVI(1920) Decas LXVI-LXVII. *Endesiella*, *Chondrorhyncha Endresii*, *C. Feichenbahiana* and species described in Decas LXIX.
7. Decas LXV is the last one that I have as a reprint.
8. Dr. Fedde has sent the publications I have referred to in my letters. I realize now that the Orch. Centr. Amer. was not published by Dr. Fedde. If you have a spare copy it would be very welcome.
9. I am having a print made for you of a very clear and excellent photograph of *Triphora pinetorum* Small. This is a native of Florida. It does not differ, I think, from my Cuban material from Santa Clara Prov determined as *Triphora cubensis*.
10. If you are still making new genera, please revise the numbers in the SYSTEM before we get to the final proof of *Crobya* and *Isotria*.
11. I do not believe that we should abandon broad subgeneric groupings too hastily. If we split up every group that will stand subdivision, the future will be horrible for those who attempt to identify orchid species. The subgenus is a great safeguard against generic synonyms. And I am unable to understand why a subgenus should monograph better when physically separated from its genus than when included in it. It may seem more final to pull out a small group and treat it as a whole, but have we done more than fool ourselves: a change in the scale of the thermometer does not alter the temperature. Furthermore, classification is for convenience in the final analysis, and in the meantime is for the use of those botanists who are not specialists in detecting the infinitesimal steps in structure that the close student in his delirium magnifies into leaps. Let us be cautious but not supercautious in our attitude toward segregation. If I could see real utility in genus making I would praise it. Perhaps I am a victim of that mental near-sightedness that characterizes one who links the younger generation of scientific men to the older. As I contemplate the type of work that comes from those who adopt every fad that makes for change in science and art, I begin to realize that the old time conscientious groping for truth in an atmosphere of precise thought is passing.
12. In your flora of Colombia you give both *Habenaria maculosa* and *Habenaria monorrhiza*. Do you recognize two species here? And how about synonymy?

Sept. 25th, '21.

13. Why do you refer *Cranichis monophylla* Lindl. to *Cyclopogon*? As I understand *Cranichis monophylla* it was made in Orch. Linden. The presumable type in the Lindley Herbarium at Kew, as I remember it, is not a *Cyclopogon* at all. I enclose a photograph of what I took to be the type when I studied this species. You do not give *Cyclopogon monophyllus* Lindl. in your Colombia or Venezuela lists, but in your SPIRANTHINEAE you give the habitat as CUPA. I am a bit puzzled by this situation and I really want you to set me right.
14. *Psilochilus macrophyllus* is a native of Guatemala. Cogniaux cites it from there and in my herbarium there is a Tuerckheim specimen that I have identified as *Psilochilus macrophyllus*. What is your explanation of the omission of this species from your Central American List.
15. I have been informed that Mr. W. A. Powell of Balboa, Canal Zone, Panama, proposes to publish a list of new species from Panama with descriptions by Schlechter and Felfel. And that next spring he proposes to issue a complete orchid flora of Panama! Can you give me some light on this? I am very much interested in this contemplated inroad of Powell into the realm of Orchidology and perhaps you are in a position to send me some much desired news. Have you determined much material for Powell? Are there many new species? Hasten to inform me about this matter. With the facilities at his command what can Powell hope to do. He will make a mess of things and add still another source of perplexity to the many that now make orchid work so difficult.

This letter has gone well beyond the limits of your patience, I know, but I think you will find somewhere in it a few points well worth attention. Just now I am looking forward eagerly for your next communication.

I think I shall send you a draft to-morrow to put you in funds. Then you will be in a position to know just how far to go with our joint purposes that call for an expenditure of money.

Yours with best wishes,

Robert Ames.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

7. Oktob. 1921.

My dear Dr. Ames!

Your three letters, dated Sept. 12, 13, and 14, I have received a few days ago and as far as it is possible within such a short time, I will answer all three at once. The rest of the questions, which are all noted down, you will permit me, to answer as circumstances allow.

First of all let me thank you for the kind frankness, with which you treat all these matters. I am now and more convinced, that our cooperation will be a fruitful one to science.

1. But let me shortly start with your first ^(in your letter) letter. I have written to you from the beginning, that I leave you full power as to any changes in my proposals, that you might deem needful or wise. For this reason I agree to my cover for the "Folia", that you think worthy. I know the number is in best hands. It is of course good and practical, to have a cover for each genus, but I think, if we should treat or

full group, we might save this expense, unless you wish for the uniformity. There are however quite a lot of groups, where there is only one genus and in this case most probably the uniformity would be spoiled all-round, because the general part for the groups should stand in the beginning of this only genus. I leave the decision here all together to you.

2 As to the preface, I have sent in some remarks on the introduction to the system. But perhaps you are right, that a general, short preface about the work would be preferable. I will think it over properly and within the next few weeks hope to be able to send my ideas. This preface, which, I think, should be quite a short one, as the work ought to recommend itself, is perhaps best published in English and German and simply indistinguishable by the authors or else by our both full names.

3 The system we might as well leave out yet, and, after a full reworking, give it under special cover. I will put all my

work, as far as possible under the circumstances at present, set once to it, and try that we get along as soon as possible, and to the proper numbers they concern. I am however afraid, that this means several weeks of hard work again, until I have got all the citation and synonyms together. The putting in of a- and b- numbers will be, as we progress, and in fact as the ideology progresses, unavoidable. When I had drawn up my first list, I had not yet seen the Archiv-Review since July 1914, which has been now presented to me by the new editor, and from which I see, that several of the new genera and changes, that I have proposed, and other ideas were independently taken up by Rutge. For, in some cases he is the first, in others I outdate him.

4, 5, 6, 7. As to Southwestern, we must write later on. I have got very good materials and intended in fact already, to publish a short revision of the Gravichiolens, which next to disere and disperidore, I always regarded as one of my hobby-groups. If you wish to work it, I will put all my drawings etc. at your disposal, or else we might do it together. I have got several novelties yet. I will get you drawings made of all my new and rare species. I. yvontanaensis is amongst them. My determination of I. yvontana is of course wrong and changed already in my herbarium long ago. The I. glaucobulbos-Group is very difficult, and even more so the I. montana-Group.

8 The duplicate-copy of Arch. Centr.-Amer. is sent off some time ago and surely now in your hands. If you wish, I will put one or two more at your disposal.

9.10.11. The Tripteron-tracings, with notes on Trichia in your
honors for all ready. The new Trombicula was collected
1907 at Umanos, on rocks, by R. Figueras.

12. Many thanks for the two packages, that have arrived all
ready. I have got heaps of splendid Costa-Rica things laid
aside for you and later on I will try to spare more of the
different wanting types from my herbarium, just as you
need them, and as far as there is anything to spare.

13. I quite agree with you respecting the sequence of the coverings.
As they come out, they can be numbered. The title to the covers
of genera or groups I leave altogether to you.

14. I have specially engaged somebody, to get tracings made
for you of my Chama, Phyllocladus and Utricularia. They are in
progress since a week already.

To your letter of Sept. 13th

I am just as well satisfied with the nominative and
full stops for the singulars, as with the relative. The
booker was an old witness of mine from younger days and
therefore kept. I decide what we should take and stick
to.

Title of Folia: The format of latter issues of Linnean
Society find quite a good proposal. As to the paper
to choose, I know the question is with you in best hands.

Geographical Distribution: We need not cite collectors
in very common species like European & North-American,
but I think it desirable, to give there a fairly complete
enumeration of the countries and the areas of distribution.

I do not think, that we will save so very much space, if we run the name of species on the same line with the description if we let each species ^(name) follow the ^{citation} description. Besides, from either of opinion, that it is worth the whole space must more clear, if each synonym with citation has got its own line. The page is perhaps better looking, but I think one can find the synonym easier. But here too, I leave the final decision to you.

I would be glad to have ^{your} the preface for the first issue, as you think it good. I will then make notes to it, and I hope, that we will agree in all points, as we are aiming both at the same ideal, & our aim, that we will agree. In this point you are surely right, that all these questions must be settled before we start. But as you see, I am giving you "plain words" in most of these questions and I hope this is saying matters.

In your letter Sept. 16.

The way, how we should cite the authorship of the work of each genus, is of course very important. I would have nothing against your proposal:

102 Gleister Hall.

Gen. & Spec. Arch. p. 409.

Rüd. Schlechter.

but the difficulty comes in, if you have to cite like in many genera, many synonyms to the generic name. I therefore would make another proposal. Let us simply put in the corner at the ^{head} ~~foot~~ of the ~~page~~ each page in the generic name and

in brackets the name of the one, who has done it. Like:

Gleistes (Schlechter) n. 1.

or: Gleistes (Schlechter) John Vrethance n. 1.

or: Gleistes (Schlechter) n. 1.

If you prefer your proposal then let it be:

Dr Gleistes Kindl.

inverre L. Schlechter

Gleistes Kindl., Gen. Spec. Orch. (18.) n. 409.

follow eventual synonyms.

As for the different questions, as far as I can answer them at present. I will properly attend to everything else and bear your wishes in mind.

I can only write now about the supposed Vienna-trip, as Mr. Camille Schneider has returned to Berlin only a few days ago. According to his and other informations we might reckon for or two weeks stay there (for which I would get leave) as follows:

Journey to Vienna and back (including baggage and passport - visums) - - - - -	c. 1500	Marken.
Stay in Vienna for two weeks (c. 160 M. a day)	2250	"
A help there for drawings and tracings (10 M. per hour, c. 80 M. per day) 14 days - - - - -	c. 1100	"
	<hr/>	
	Summa	4850

To this should be added for unexpected price-risings and other expenses c. 20% - - - - - 970 "

	<hr/>	
	Summa	5820 M.

That means, roughly speaking, 6000 shillings for the voyage of 14 days. I have personally the impression, that with Mr. Schneider's figures pretty high rates were taken, but as I do not know the circumstances there now, I cannot judge. I am sure, that with this amount I will get along quite well with for the voyage and the paying of straight money and for things. The latter would be from my own knowledge of Reichenbach's herbarium the chief thing. To take photos would in most cases be useless, as most of his ^{types} ~~specimens~~ are not over good and consist only of flowers. But this must be decided at Vienna, what to do best.

You write in your letter of July 28th: "If there are other items of expense to consider let me know them and if agreeable to you I should ~~expect~~ expect to add or borrow to make the trip worthwhile for you". This of course I must leave altogether to you. You can be sure, that I will devote all my time there to your own interests and that I expect you will be very satisfied ^(with) the results, that I will bring for you from this trip.

If you finally decide for my going to Vienna then let it be as quick as possible. I would first of all then take tracings of all the types of ~~specimens~~

present year, that you wish to work upon next,
 and besides get copies taken of all the Central-
 American species, mentioned in your list, that
 I can find in his herbarium. Let me have your
 wishes at once and no more as you think, that
 I can finish about in this time. If you wish,
 to get photos taken, it would most probably
 be much more expensive and time taking, than
 a sketch of the originals and drawings of ^{Dr. Schumacher} ~~the~~
 drawings, which exist with nearly everyone of his
 types. Besides, I hope, to get through a kind of
 exchange-treaty between you and Vienna. However
 this we must see yet.

You are sure, that you most probably ^(will) see the need
 after the first experience, that I should make
 or similar visit to Vienna again.

This letter has now become a very long one,
 but I wished to answer all your questions
 as far as possible at present. I hope you will
 be able to digest all the answers. At the
 same time I hope, that you will see, that I am
 trying to agree with you in every possible way.

Yours very sincerely
 R. Schlechter

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By

Yes — No

(A)

355 Commonwealth Avenue, Boston, Mass.

October 24th, 1921.

My dear Dr. Schlechter:

This is just a hurried note to tell you that I have just moved into winter quarters and that I am overwhelmed with work.

I enclose for your acceptance a draft for one hundred dollars. This amount is to be used on the drawing account and I hope it will go a long way toward finishing up the Central American species. Keep me informed as to how these funds hold out.

I have a great mass of questions and suggestions for you, but these must go over until my next letter.

I have not heard from you for several weeks.

Yours sincerely,

W. L. C. C.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

Oct. 26 1921.

My dear Dr. Jones!

Best thanks for your letter of Sept. 25th. I was waiting a few days with the answer in the hope to get the other letter, which you announced, but a better answer now, at least as far as possible, to avoid a too long delay.

The Costa Rica duplicates I will send off as soon as I have determined everything. You can be sure, that I will do my best to let you have good material. As other collections are announced already I hope to be able to add yet many more specimens.

I have got too the all the parcels with the Philippine-material from you. Many thanks. These are important addition to my herbarium contained in them.

As to your questions:

1. About the Spiranthes I could not place them all yet. The species from Königlein and some of Rehb. f. I have not yet seen. With Spiranthes Welsoni it is the same. Of the others my material was too scanty. I will report about this question later on. S. rubrocollaris and one of my species are based on the same number. When I described

1. I did not know the publication of *G. subrotunda*.
2. I have already noted down the omission of *Gravichia silvatica* in my Orch. Gen. Amer. I have in fact several additions to make there and hope to publish some day a supplement.
3. *Gravichia parvibravis* Hall. was omitted too accidentally. I have now a specimen from Herming - Venezuela identified as this plant. It is surely a true Poutlicova.
4. *Gravichia glandulosa* I had not seen then and therefore left it where it was.
5. I have found out in several species of Gravichia and Poutlicova, that they were wrongly placed. Several Gravichia have to be shifted into Poutlicova.
6. I have now somebody at work making sheets and drawings for you. I will include the Eudresella and Choustrorhynchus too.
7. I will send of all the Decades since LXV to you tomorrow.
8. The copy of my Orch. Gen. Amer. and several other publications must have reached you by now.
9. Best thanks for the print of *Triphora pineformis* it came yesterday. I will examine it more closely and write about it. It looks very much like *T. cubensis*.
10. I will revise the numbers closely in the System which I will send as soon as possible. There are yet a few additions.
11. The more I work on the Orchids, the more I see

about some of the genera were too broadly limited by Reichenbach and especially Benth and others. See only your own work on Pogonia and some of Hitters or even Rolfe's later publications.

12. Harb. maculosa and H. monochlora were regarded by Gouvier as distinct but I doubt if he is right.
13. I do not know how this slip was happening that Craniches monophylla was put as synonym to Cycloproton monophyllum. It was erroneously taken over from Gouvier. Cyclop. monophyllum was actually based on Sandrogloss. monophyllum Griebl.
14. The Psittaculids from Guatemala is evidently distinct from P. macrophylla from West-Indies. I will copy get more for you to point out the differences.
15. I have received and all determined already from Mr. Powell about 200 numbers of Formosan Orchids. The first set of new species will be published soon. Mr. Powell himself has nothing to do with the determination. But he is very enthusiastic as collector and asked me to do the determination as he has vainly waited for years for them from Rolfe. There are nearly every week new lots coming in from him, each package

always containing 2-3 species or numbers.
The number of novelties is considerable.
If you wish, I will write to him and ask him
to try to get a specimen of each one for
you. Until now his ~~the~~ specimens con-
sist mostly only of a few flowers, but he has
promised to send complete specimens and
partly has done so already.

I have got already a number of tra-
cing cards for you, especially of the different
Pontederiacae etc. These I will send in a few
days, when there is sufficient together.

The so-called Pontederaca glandulosa from
Cuba Rica and Guatemala etc. is quite a
distinct plant in the herbaceous, which is verru-
lose inside, whereas in the true P. glandulosa
it is quite smooth as already Reichenbach poin-
ted out. The Veronica-plant is different
too.

In a few days I will write more. For the
day you must be satisfied with this. I was
sick up for some days and could not do any
work. I am yet a bit tired. Excuse therefore the bad
writing. With best wishes

Yours very sincerely

R. Schlechter

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

27. Nov. 1926.

My dear Mr. Ames!

When I last wrote to you on the 23 Oct. I did not expect, that it would take such a long time until I would be able to write again.

I had so much overworked myself (often from 5 a.m. until 12 p.m.), that I had a regular breakdown. For the last four or five weeks I was simply unfit to do any proper work and the doctor advised me, to have a ten day rest, although I could not pull myself away from my regular midwinter-work.

Now I feel myself altogether refreshed and will take up things with the old energy.

I have safely received the money for the Vienna trip and besides the cheque for 100 Dollars, which I will spend in the way you wished for, that is for getting tracings made of my originals. Many thanks for these orders. You can be sure that I will do everything to get the things through to your satisfaction.

In the meantime you will have received

The roll containing the sketches of quite a number of my types and I am sure that you will say yourself, that they are splendidly made and show much more than a simple photo could show. The lady I have engaged is doing the habitus sketches very exactly (life-size) and the analytical drawings are made by myself. 20 more of these drawings are finished and will go off again, as soon as I have got 40-50 together. As these drawings are quite laborious I have to pay 15 generally and for the more complicated ones 20 marks. At the present rate of exchange I expect you will be satisfied with this?

Tell me as soon as possible a proof-sheet of the "Folia", that I can start with the Urticaceae, which I have now all drawn.

As to the Vienna-trip, I have written to Dr. Rohlf-Bridchner and asked him, when I can come there. I hope to be able to go there in January or February, but the question is, if they have any work, that one can work now in the herbarium. I will report to you, as soon, as I hear from there.

I will be quite delighted to do Portulacae & Urticaceae jointly with you.

As to your question: Are we drawing lines or

close, that soon it will be impossible, to recognize
lines of demarcation? " I answer to you, that
I allways have tried to avoid this, but when
I see that many of the so-called widely diffused
species are quite different, when one compares
them from different distantly lying countries,
then I come more and more to the conclusion,
that Orchids are generally well localised.
The Epidendrums of the Ampliglotridium-Christ-
chilae set, that is E. rortianus, E. Lindenii etc. etc.
are indeed extremely knowling, but I hear
from all the collectors, that one species comes
where another one starts, and that in nature
one can recognize them at the first glimpse.
What actually the true E. Lindenii is, I do not
know yet, having no type material.

The key, I have drawn up for Triphora, should
of course not be a final one. I could only use
the distinguishing characters, that I could see
in the dried material, it was only meant to
give you any general view on the matter. My
specimen of T. mexicana I had to take as a
exempl, since it was distributed by Pringle.

especially as n. sp. and come from the same locality as the type. I suppose that Wootton himself would have seen this material too. After I had drawn out my analysis I found that it agreed quite well with the original description.

Yesterday I have received too another parcel from you containing 108 specimens of the Vanoverberg set. I thank you very much for this material. You can be quite sure that I am going to send you a very fine equivalent. Later on, when we are working the different genera through I will send you yet wherever I can spare them, bits of my types and the Central-American things that I can spare in duplicate will amount to a fine lot. Besides there will be yet 500-600 New-Indians specimens in store for you.

I only must have my hands a bit clearer again until I can start with the distribution.

Now after I am feeling well again, I hope to be able to write you again and besides as soon as we have started, we will be able to go splendidly ahead with the "Folia".

With best wishes

Yours faithfully

R. Schlechter

Please show me a list of the European species, marking in your handwriting.

355 Commonwealth Avenue, Boston, Mass. Oct. 30th, 1921.

My dear Dr. Schlechter:

Your letter of Oct. 7 has just come. I assure you that in all matters relating to the construction of the Folia I will use my very best judgment. Now that I know how you feel about leaving to me the mechanical details there should be no delay in getting the first issue through the press.

To-morrow I intend to get some money to you for the Vienna trip. Perhaps this can be sent by cable or telegraph.

I have no claim to Ponthieva and Cranichis. We might do these jointly if you do not object. Just as you please.

My laboratory is in full swing now and I am better situated to do good work than ever before. But as I settle down to a genus I find myself filled with caution. This does not prove conducive to quick results. Perhaps orchidology has grown too complex/ At least I no longer have that comfortable feeling that a determination is correct. Question: Are we drawing the lines so close that soon it will be impossible to recognize lines of demarcation. Take the Epiden-

runs of the "Lindenii" type. I find them positively puzzling even when I have good material for comparisons.

Your letter regarding the *Triphoras* arrived so late that I decided to postpone the treatment of *Triphora* for a supplementary leaflet issue of *Orchidaceae* that I intend to establish. I just presented my treatment of the United States species with references to exotics where these seemed necessary. Your key, by the way, bothered me as you seem to have overlooked one or two characters that upset it. *T. trianthophora* has distinct carinae. If you depended on the formaline material I sent you for a study of the lip you would be very likely to go wrong as the delicate tissues of this superdelicate species go all to pieces when preserved in liquid. I must also send you a tracing from the type of *T. mexicana*. I fear that the specimen you regard as the type is the topotype. This was sent out as *Pogonia mexicana* Watson n. sp. but was collected a year later than the type. I believe the type is unique.

With the best of good wishes,

Yours faithfully,

Robert L. Dresser

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Per

Hell Warren

We charge your account.

Dr. Rudolf Schlegel
Berlin-Schöneberg
Neue Culmstr. 5a.

7. Dec. 1921.

My dear Dr. Ames!

From Vienna I have received news, that I might come any time. However, as they have no light in the afternoon and the days are too short at present I contemplate to go there at the end of January and beginning of February, when I will be able to work there from 8 a.m. until 4 or 5 p.m. at least.

This will give you time too, to put your special wishes down. I have, of course your list of Central-American Orbits, of which you wish copies, but I presume, that you have special wishes besides, and these I wish to fulfill to the utmost of my ability.

Of my own types and what I have got from Reichenbach's species I am getting in the meantime copies made here. Every week there are 10-15 finished and like this with the time you will have copies of all my species and of many

Reichenbachian ones from Central-America.

What do you think about the copies that I have sent you already? Don't you think that they are much better than photos, or do you wish me to get the sheets in Herb. Reichenbach photographed?

From what I know of Reichenbach's Herbarium I am afraid, that you would not be able to see much on such photos and it will be most probably less expensive to get proper sketches made in the way, that I have sent you samples of my own Herbarium. Please write to me fully about this question.

Of many of my types or cotypes, otherwise of duplicates, of Central American Orchids I will be able to send you specimens besides, or else, where the material is too scanty, sample bits or a few flowers. Like this I hope to be able to complete your C. American Orchid Herbarium fairly well with the time.

Do send me a proof sheet of the "Folia" as soon as the Grobyear have been set, that I might start at once with further manuscripts for the work.

Yours very sincerely

R. Schlechter.

355 Commonwealth Avenue, Boston, Mass. December 29th, 1921.

My dear Dr. Schlechter: First: all the best wishes in the world for the coming year.

I have been busier than ever before in my life, but my efforts seem to be comparable to those of the fabled frog who in trying to escape from a well of water fell back three feet every time he jumped up two feet.

Fascicle VII of Orchidaceae is almost ready for publication. This opus has kept me very much occupied, because I tried to include in it all of the new species from two large collections made in Mindanao and Luzon. That is after the proof of Orchidaceae began to come in I undertook to work up one set from the Mountain Province of Luzon which contained over one hundred numbers and eleven hundred duplicates, and one large set from Bukidnon in Mindanao, and to include the new species in my manuscript. I almost rivaled your record in the hours of work, and as a result I felt the need of a rest in the country when my labors were ended. I returned to the city yesterday and immediately took up my work again. Of the Mountain Province collection I set aside a very full set for you that contains several interesting novelties as well as some good duplicates of species that have not been collected since Merrill's expedition to Mt. Dana in 1906.

Proof of the Folia will go to you soon. This work has been held up by the general depression in the publishing business. We are having a disagreeable time of it here and some of our scientific magazines are just coming out with the April and August numbers. Some magazines are on the point of suspension owing to the hard times and the high costs of printing.

The tracings of types are very satisfactory. I think the pencil records are really superior to photographs done the way you are

December 29th, '21.

having them done. I have just mounted up the last series and the drawings make a very substantial addition to my herbarium. I hope you will keep the work in progress and concentrate on the Central American and South American species. I am more interested than ever in Central American orchids as I have consented to do the orchids for Dr. Standley's Central American Flora. I hesitated a long time before taking on this additional task, because I want to have all available time for the Folia and for my work on the Philippine orchids that are coming in from Ramos.

This brings up for consideration your work for Mr. Powell. How are we going to avoid confusion if we both devote attention to the Central American realm? Just now I have all of the specimens on hand from Kew that Powell sent to Rolfe, but I dare not touch them in view of the fact that you have also received from Powell what must be equivalent to a duplicate set.

You already have a list of my Philippine desiderata. To it add Sarcanthus pugioniformis Reichb. f. I do not know this and would welcome a tracing if you have material for a copy.

I have not yet received the list of determinations of the Wilson Chinese orchids mentioned in another letter. You promised to attend to this, but I suppose the matter slipped from your mind.

I am very sorry to learn of your break-down from over-work. You must take better care of yourself and realize that the human body is simply a machine and that abuse will injure it.

Your letter of the seventh December and your post-card dated Dec. 13th, are just here. Two thousand thanks for the jewel made of Liparis Wendlandi Reichb. f. A most acceptable jewel! and just in time to be a Christmas gift which I will treasure through life. I must enclose in this letter a jewel for you. What it will be I

December 29th, (21.

do not know as I write these words, but it will surely please you.

I am sending to you under another cover a couple or reprints and a copy of the Journ. Straits Branch that contains my bibliographical list of Bornean orchids. I believe there was a very limited supply of this, just enough for the members of the Society, so this copy I am sending to you may be a welcome thing. Fasc. VII of Orchidaceae should be ready for you by the end of January.

Why has only one copy of "Peru" been sent to me. I understood that I was to be given extra copies in view of the fact that I helped out with the printing costs.

In one of my letters I referred to a bonus on account of the Vienna trip. Why not six thousand marks? Take this amount from the draft ^{from lunatic collectors} recently forwarded and acknowledged. This seems little enough.

How about the list of Lehmann numbers with determinations? Such a list would be very welcome just now as I am looking forward to a large collection from northern South America being made for me by the Mulford Biological Exploration of the Amazon Basin. You will remember that I have an efficient collector on this expedition and that you are to share in the duplicates that are obtained. The last reports from the expedition ~~were~~ encouraging, although turbulent streams upset some of the specimens and supplies including much needed ammunition.

Sketches of the Reichenbachian material will be preferable to photographs, although it might be well when you think wise to try a few photographs of very critical things that would be interesting in a photographic record. Use your own judgement in every case. I am ready to rely on your decisions.

The copies of Orchis have arrived in good condition. I hope you will complete my files and send me a bill for subscription and cost of postage.

December 29th, '21.

What do you make out of the Guatemalan Habenaria represented by J.J. Smith 1583 and Thieme 739 5552?

When you are in Vienna it would be well if you looked up the following:

Dendrobium Bullenianum R.f.	Habenaria falciger R.f.
" ceraula R.G	" tipulifera Par. & R.f
" cerinum R.f.	Trichoglottis atropurpurea R.f.
" conostalix R.f.	
" metachilinum R.f.	
" modestum R.f.	
" profusum R.f.	Trichoglottis Solerederi Kranzl
" Aclinia R.f.	
Eria rhodoptera R.f.	Also Kranzlin species from the
Bulbophyllum brachytrypus R.f.	Philippines described in K.K.
" cuspidilingue R.f.	Hofm. XXX(1916)
" maxillare R.f.	
" braccatum R.f. !!!	
" Makoyanum R.f.	
" saurocephalum R.f.	
Grammatophyllum Wallisii R.f.	
Dipodium paludosum R.f.	
Sarcochilus pusillus R.f.	
Luisia valida R.f.	
Ceratostylis retisquama R.f.	
Saccolabium pumilio R.f.	
Sarcanthus subulatus R.f.	
" racimifer R.f.	
" striolatus R.f.	
Cleisostoma ringens R.f.	
" subviolaceum R.f.	
Coelogyne chloroptera R.f.	
" marmorata R.f.	
Eulophia venosa R.f.	
Pholidota triotes R.f.	
Coelogyne pumila R.f. !!!	
" rhombophora R.f. !!!	

Of the above species I have already sent you a list before. I simply give you this supplementary list in case you have misplaced the earlier one.

I am setting aside as I distribute specimens a set of co-types for Vienna, also critical specimens. The pile is growing rapidly and at the first word from you I will send what is ready to Vienna. Or if you think it wiser, I will send the material to you so that you can send it to the proper authorities. I do not know how safe it is to send parcels to Austria at this time. You must inform me as to this. I have other sets ready for distribution. Can you inform me of any museums that have orchids for exchange?

Yours very faithfully,

Charles Ames

Dec. 13. 1921.

Dear Mr. Ames! I am just sending you
this hurried note to inform you, that Dr. Rau-
brichner has written me from Vienna, that I
will be welcome there at any time. I therefore will
start at the end of January. Most probably I will
then stay for three weeks to make the trip worth
the while for you. If you have any other wishes
respecting Reichenbachian types, please let me
know, I will certainly try my best to fully
satisfy you. With the best wishes for

Absender

with every Xmas wish
a happy New Year
Yours very sincerely
R. Schlechter.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

Postkarte



Dr. Parker Ames
355 Commonwealth Avenue
Boston (Mass.)
United States North America

355 Commonwealth Avenue, Boston, Mass.

January 6, 1922.

My dear Mr. Schubert:

I enclose three specimens of *Stelis* from Guatemala. Will you kindly examine these and ascertain if my identifications are properly made?

Stelis hymenantha Schell. Johnson 506
Stelis microchila Schell. Johnson 729
Stelis connixta Schell. Johnson 739.

The sepals of 739 are three-nerved, the upper sepal broadly elliptic, not oblong and apiculate. They agree well with Tuckerm II 1841 and II 1917, specimens distributed as *Stelis microchila* Schell.

My identification of *Stelis hymenantha* is based on a specimen of Pittier's No. 1870 determined by you and preserved in the U.S. Natl. Herb. This material has the flaves about much shorter than the lob. I imagine this is a very variable species.

Perhaps you will send to my ^{only} son one or two specimens from your *Stelis* species.

Yours always sincerely
Oakes Ames

Copy

some flowers of the Reichenbachian
types, that you need. He has generally
consented, but wishes, that he is getting
your books, which are much needed here,
and that you should send him slight-
er - specimens of your Philippine-
collectors in exchange. When you see, how
the scientific life is going on here
you will understand this wish, and
for the future (you will open the ^{Herbarium}
Reichenbach) I would strongly advise
you to answer favorably to his
letter which you will get soon.

My wife writes me, that there are
letters from you there in Berlin,
they were not forwarded on account of
the high postage. ^{Yours sincerely} R. Schott.

Dr. Philipp Schott
Berlin-Schöneberg
Neue Gasse. 52.
Vienna, 8. Febr. 1922.

My dear Mr. Schott!

You have been writing to me some
months ago, that you have spent
three days in looking out three
strips of the Philippine-Orchids
with what I have done now here, I expect
that you will be amply satisfied. I have
not only got you copies of the most of
the Philippine Orchids wanted for you
but too of most of the Central-American
ones needed here from Reichen-
bach's herbarium. The Herbarium-rooms
were not heated and one day
I felt myself simply frost-bitten.

you struck and the doctor, whom
I called simply unaided me, that
my feet were all together frozen. I had
by could believe it, and yet it proved
true, they were all together swollen.
However I was able to continue my
work on account of my strong con-
stitution within two days and
you will see, that what I have been
doing was well worth the time and
the money. I had not asked a leave
of three weeks from our Minister
and it was granted.

As to the costs of this voyage, which

was not first contemplated for 2 weeks
and was extended for 3 weeks, I can
tell you, that it much surpassed my
last estimate. Happily enough I had,
before going to Vienna, heard in Berlin
how prices had gone up in December
and January, and being cautious I
had asked to transfer another depo-
sit of yours in the height of 5000 Marks
here. So I have had to draw besides
the 8500 Mk. sent to me by cable
about 2000 Mk. more.

I had a very able accountant and
besides have arranged with Fr. Kohl-
brunner to send you as far as possible

355 Commonwealth Avenue, Boston, Mass.

Februaru 24th, 1922.

My dear Dr. Schlechter: A long time ago I sent to you a few specimens and some photographs in the hops that you would give me your opinion of them. The specimens were *Stelis* spp. and the photographs represented among other things your *Epidendrum polychlamys* and *Hexadesmia micrantha* Lindl. To-day I am sending to you a few more photographs for you to pass on as they are chiefly Lehmann numbers from Colombia and Tonduz specimens from Costa Rica.

It seems to me that you have drawn the lines pretty close in your treatment of Central American *Microstylis* and, by the way, did I ever draw your attention to the fact that the tracing of *M. carpintera* Schltr. that you sent to me does not match the type specimen in the United States Natl. Herb.? *M. microtoides* seems very close to *M. gracilis*. What is the critical difference between these closely allied species?

I have received from Mr. Powell a specimen of *Lockhartia mirabilis* Reichb. f. said to have been determined by you. The details of the flower are not in accord with the plate in Xen. Orch. and I wonder if you have analyses of authentic material that you could send to me.

By the time this letter reaches you I hope you will have been to Vienna and that aside from a valuable set of tracings you will have good news for me with regard to exchanges.

I have set aside some very good specimens for the exchange and I am anxious to receive material at the earliest possible time.

I have not received any tracings from you since November or early December. I hope nothing has happened to interrupt the preparation of these helpful and valuable documents.

Yours faithfully,

Dr. Rudolf Schiöchter
Berlin-Schöneberg
Neue Culmstr. 5a.

24. Febr. 1922.

My dear Dr. Auer!

After returning from Vienna a week ago, I had to try to heal out first my feet, that were all together frozen during the three weeks stay in the unheated rooms of the Herbarium there. You see, that I have done whatever possible there for you. Most probably you will be quite surprised to hear, that I have brought back from Vienna for you nearly 200 boxes of Reichenbachian types from Central-America and the Philippines. Are you satisfied with this?

The costs of the travel amounted to altogether 975 M. as I had received for it from 800 M. I have taken the restiduum from the other funds here.

To your other indications in the two last letters I am going to answer shortly. I must first bite myself through the ball of correspondence, that has accumulated during my absence.

The costs of living in Vienna have become very high. When I went the railway-fare amounted to 500 M. about from Berlin to there, and with my baggage I had already to pay over 1000 M.

What will give you special pleasure is the fact that I have arranged with Dr. Reichensperger, that they should send you of any Reichensperger types (wherever possible of course), that you would ask for a flower or two, I have promised them for this on your behalf, that you would send other material, especially from the Philippines in exchange. They have not got your books, the volumes of the "Archiv" there and you would surely do them a great favour, if you would send them, as at present they cannot afford to buy them.

I will pack the findings of Reichensperger types soon up and then send them along to you.

Write to me, if you are satisfied with what has been done for you in Vienna, or if you would have expected more.

Many good wishes and best compliments

Yours very sincerely

R. Schlechter.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Gilmstr. 6a.

11. March 1922.

My dear Dr. Auer!

I have just got your letter of February 24th.
and I can quite understand, that of late you
have been disappointed with my correspondence.
However there is good reason for it. First of all
during journey I had a new attack of Grippe
and hardly feeling well again I went to Vienna.
There I have been working hard for you for three
weeks in spite of the Hofmiasmen not being hea^d
ed, while we had -14-15° of Reimwind. However
I was able to finish my work and as I wrote to
you already with the greatest success. You will
have got by now my letter from Vienna and
the subsequent one from Berlin, and you will
know that the result of my working in these quite
cold rooms, where it was often not possible to
keep a pencil in the hands, was, that I had got
my feet altogether frozen. Happily enough
the stonycrusher, whom I had engaged was
sitting in a room, where there was at least some

Kind of heating arrangement, but I had to remain in the cold to look out the specimens needed. For instance for the 5-6 Philippine Dendrobidium it took a full day, to find the specimens out. I returned to Berlin with quite frozen feet and now I still am not restored and at times can hardly move about without feeling awful pains. However I hope to be in order again in a few weeks as the healing-up of the toes, that have partly been breaking up, seems to make a good progress now.

From my last letter you will see, what success I have had in regard to get the tracings for you in Vienna and in making arrangements there for you. I hope you will be well satisfied.

These tracings together with quite a lot of these made from my own types will go off soon to you. Prof. Diels has expressed the wish, that the Vienna tracings should be copied for the Berlin-Herbarium before going off, so I got special leave for the Vienna-journey from our Ministerium. They will, I hope will be ready within a few days and then

When I saw the only flower of type in Vietnam it struck me, that I might have made here a wrong determination, but yet his description seemed to agree with plants I had formerly received from Guatemala and Panama. I will report on this more closely as soon as I have settled the question.

About the other questions I will report in my next letters.

At present I am not at all in a healthy condition. I fear I have been overworking myself and my nerves have been suffering badly. Perhaps I will have to take a rest and leave all the work aside for some weeks, to be able to continue work again with the old energy.

With best wishes yours very sincerely
R. Schlechter.

P.S. Only by accident I discovered today that our servant girl has forgotten to post this letter and has left it lying in a till now.

9. May 1922.

Best compliments
R. Schlechter

the whole lot will go off to you. You will get together with the drawings of mine on very good material for further work on Central-America and the Philippines.

As to the Microstylis-question, the type-specimens from which I have described the species are actually there, that I have got in my herbarium. It might well happen, that in the G. Hart. Herbar. there might be something else lying under the same number. I do not think, that I have been drawing the lines too close. It might of course be possible, that one or the other species is going to fall into one formerly described. But what could I do? I was in the same position as you, when you started to work on Philippine Vochys. I had to take my chances or else to wait until the Reichenbachiana herbarium was going to be opened. As to M. microtrialis Schltr. I had later on my doubts about its being distinct from M. gracilis, but there were several discrepancies, that induced me to keep it up until I have had a chance to examine flowers of both side-by-side.

About the Lockhartia nitens-question I am not yet sure. I will examine it once more.

355 Commonwealth Avenue, Boston, Mass.

March 22, 1922.

My dear Dr. Schlechter:

I was delighted to receive your Vienna letter, although the sad news about your suffering from the cold in the unheated rooms made me feel that I was in part to blame for your discomfort and for your frozen feet. Now I have your letter of the 24th February and I am hastening to tell you, now that I know you are at home again, that I am sure to be pleased with what you have done for me and that I am unable to express my thanks to you in a way that will make clear my true feelings. You say you have two hundred tracings of Reichenbachian types for me. I did not dream of such a possibility! How can I ever repay you for such a substantial piece of help? Now I shall be worried until the tracings arrive safely and become a part of my working collection.

I do not intend to trouble you with the many questions I have to ask. Time enough for them, but I want to let you know that I have decided to sail for England on June 28th, and that I am planning to be in Berlin either in July or August. I feel that we must discuss through some better medium than letters the details of our proposed undertaking, therefore I am coming to you, reluctantly on the one hand, eagerly, on the other. To leave home now means many sacrifices. But I cannot see how we can arrive at a working agreement without sitting face to face for a while. And, furthermore, the pleasure and profit of a meeting with you will repay me a thousandfold for the penalties of travel and the loss of results to be obtained by a summer of work at home. Mrs. Ames and two of the children will accompany me.

Let me hear from you again soon! And send as early as possible the tracings of your types and the Reichenbachian ones. If you are short of funds let me know what you need.

Faithfully,

Complete set of Reichenbachian types sent to Vienna!

Oskar Ames

355 Commonwealth Avenue, Boston, Mass. April 14, 1922.

My dear Dr. Schlechter:

The roll of tracings arrived by mail in perfect condition and proved to be above expectations. What a mountain of work they represent! I cannot thank you enough for your kindness. The tracings of types from your own herbarium are beautiful productions and are most helpful. I hope you can have more of them prepared for me so that all of your Central American types will soon be represented here.

The December number of Fedde's Repertorium has just arrived. I note that Dr. Kraenzlin has given us some new species to digest. I wish it were possible to obtain tracings of the Philippine novelties. In working up one of the Philippine Bulbophyllums he states that he has searched the literature up to 1912! I believe I have published thirty or more species of this genus from the Philippines since that date. Kraenzlin's Oncidiinae has also come to hand. Although I have not yet been able to study this work, I find that it fails to conform with my views as to the species of *Equitantia* from the West Indies.

What is *Habenaria avicularis* Schltr? *H. dip-leura* and *H. quinquefila* Schltr and *H. spithamea* are still missing from the list of tracings.

When you write again let me know what the conditions are in Berlin for American travellers. I am planning to spend about two weeks at Kew. Then I may devote a week to Paris. This would bring me to Berlin at about the end of July.

Yours sincerely,

LIST OF WILSON CHINA ORCHIDS??

Charles D. C. Ames

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

10. May 1922.

My dear Prof. Auer!

I have received your two letters from March 22. and April 14th and am delighted to hear, that you were well satisfied with the work, that I did in Vienna for you. Most probably you will be surprised that I have not written oftener of late. First of all a letter, that I had written in March through negligence of a servant-girl was not posted and is only now enclosed. Besides, what I feared, the overwork and the misfortune with my feet in Vienna has given me such a stroke, that I was broken down with my nerves and could do hardly more, than to keep up my work in the Museum. However now there seems a change and I nearly feel myself the old one again.

With the greatest pleasure I accept the news, that you are going to come to Europe and to visit Berlin too, to talk over the questions about our enterprise. I will be however away from Berlin during July and perhaps the first week of August to have my recreation at the seaside, which I very badly

need, to be able to get quite in order again.

The tracings of Reichenbachian types are copies of his own drawings and as far as possible sketches of his material, that very often is extremely scanty. All that are missing yet are not yet to be found in his herbarium. I have taken the greatest pains to find them, but sometimes without success, as the Reichenbachian herbarium in Vienna is by no means yet properly arranged. To do this it requires a specialist, and such a one they have not got in Vienna. My own types were traced and drawn under my own supervision, very many more are going to follow. In fact now I have got already over 40 more for your use and I hope that we will soon be able to complete the list of your desiderata.

I have to send you yet a number of off-sets of mine and will despatch them perhaps tomorrow.

Verruculines Incidivinae make a mess of the genus not only in regard to the species, but as to the genera too.

The Glaberrimo, you are missing yet, I am getting drawn now. There several of the Pleurothallidaceae yet missing too, but most of them are now drawn already others are going to follow yet. I will come stay,

when I think, that your wishes are more or less full
filled, put before you the question, what species are missing
yet in your herbarium and then you can give me
a new list. In the way I have to work about the Orchids
of the whole world and the many cultivated specimens
besides, it might well happen, that I miss one or the
other species. Besides it always takes a considerable
time to look all the wanted specimens out and
besides to treat with the draughtsmen, that they
are not sending their prices too high. Did don't you think,
that such drawings as you have got them from my
types are much superior to photos? The analyses
are all strictly copied from my own drawings,
of which I have now about 10000 in my herbarium.

Of Toulou's Eastern River Orchids I have unfortunately
no list here. I had sent the specimens back to Bruxelles,
from where I had received the first lot and from where
later on they were reclaimed by Pittier, as far as there
were no duplicates left for me. Of the photos you sent
N^o 12492 is Epid. polychroma Zoll., N^o 17622 is
Epid. exasperatum R. f., N^o 13083 might be Cyclopogon
multiflorus Zoll., but I don't remember having
seen this plant from elsewhere as Sabatena. N^o 17616
is Hexadenia micrantha Coll. Of the Helio sp. S. hymenanthus

Telhr. and *T. microchila* *Telhr.* are correctly determined.
T. conmixta *Telhr.* is not right. This I will have to
compare yet. I think I have sent you now, near-
ly a complete set of tracings of my *Stelis* spec.,
the few that are yet wanting are soon going to follow.

Of the Foster Rice and San Paulo Orchids, I have
not already quite a lot of fine specimens aside
for you only my dejected state of health has preven-
ted me to send them off already. Perhaps you are
going to take them with you, when you are coming
here and return home.

The conditions for American travellers in Eu-
rope are as favourable as possible. Do arrange
please, if you can to come ^{to Paris} ~~to Paris~~ in the begin-
ning or middle of August, that I can see to
meet you. But about this we can correspond
yet, when you have arrived in England.

With best wishes and compliments
Yours very sincerely -
R. Schimper.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Keno Cilmets. Gd.

9. Juli 1922.

My dear Prof. Ames!

By this I expect, that you have arrived already in England and therefore I address this letter to you by way of Kew. I was hoping to hear from you yet before your start, but I can imagine that you had to much work yet before you went away.

In the mean time I have got here on my own some thing like 100 copies of my types ready for you and I have refrained from sending them, because I thought, that they won't reach you before you leave.

Be welcome in Britop^oland especially in Germany, when you will find the time for it. I am sure that you will find here a lot of interesting material. I think actually, that for Orchidology Germany now can't be over.

looked.

Now as to our own meeting and agreements I wish to ask you, to let me tell, when you are going to arrive here. As I have told you already in my last letter, I badly need a rest and therefore I am going to start in two days from Berlin for my leave. Do write to me from time to time ~~how~~ where you are going to stay and when we can meet.

As circumstances are at present here in Germany, I would be glad, if this meeting could take place after the "J. August", when I return from my "Urlaub". You can always reach me by letter addressed to my old address or else by the following: Dr. R. Schlechter,
p. Adv. R. Geck
Ostseebad Dievenow (Insel Usedom)
Hauptstr. 49.

Do write to me soon, that I can make my further plans about everything. The *Formosa*-Orchids from Mr. Powell are nearly all determined and partly in course of publication.

That will be just very nice
R. Schlechter.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

Kosserow, 19. July 1922.

My dear Prof. Ames!

I expect by now you will have arrived at New York therefore I take the chance to send you this note with a welcome-greeting in Europe. I was expecting a letter yet from you before you started, but I hope we will be able to exchange our different opinions face to face now in a few weeks, when you will come over to Germany.

To fully restore my health I am staying here at the seaside and will be back in Berlin about the 3rd of August. Please let me know before, when you expect to arrive in Berlin. I will have several things to hand you over there, for instance some off-prints and about 100 more copies of types of my herbarium.

As soon as we will have had a chance to

talk all things properly over, I am sure
that there will be no more difficulty in
the way to begin with the "Folia". I have
another publication in view yet, about
which we might talk at the same time.

In the hope, to have soon the pleasure
to meet you.

With my best compliments

Yours very truly

R. Schlechter.

Address until about July:

Koserow auf Usedom (Pommern)

Hauptstr. 49.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

Kosow, 24. July 1922.

My dear Prof. Ames!

Evidently our letters have crossed each other. I had written to you a second time, because I was afraid, that my first letter did not reach you.

Many thanks for your lines. I will enjoy it, to meet you and to have a paper speaking out with you about all sorts of matters. If you could drop me a line before you arrive in Berlin I would be glad. In the second week of August I will expect you. When you arrive you can meet me (by telephone too) in the forenoon until about 1 o'clock in the Botanical Museum in Berlin, in the afternoon you will generally find me at home. If you wish I could meet you too at the place where you are going to stay.

I am very busy here now, drawing out
analytical drawings of Orchids, of which
I always take a big heap with me to Fi-
nich, when I go on my yearly holidays.

With the best of my wishes

Yours very sincerely

R. Schlechter.

25. July 1922.

My dear Prof. Sines! If you should happen to come once more to New, would you be kind enough to get me a tracing of the plant and analysis of the type-specimens of *Cladonia parviflora* and *C. occidua*, both in Herb. Lindley. It seems, that under these two species different plants have been mixed mixed up. If you could get a flower of each of them for me, I would be very thankful. Yours sincerely
R. Schlechter.

July 26th 1922.

My dear Prof. Sines! Most thanks for your letter of the 23. inst. The *Spizandra* mentioned are all ready copied and I will give you the copies in Berlin. I got about 100 ready for you.

If this card should reach you in time, could you get me a note or tracing of the habit and analysis of Redbyella Rolfe. I expect the plant will be in New. ~~Some~~ Rolfe once wanted to show me the specimen, but ~~then~~ he said, that he could not find it. You will find much more difficulty to locate the wanted specimens in the lower

Abfender:

Postkarte

Dr. Rudolf Schlichter
Berlin-Schöneberg
Neue Culmstr. 5a.



454

Hotel Metropole,
Northumberland Avenue,
W.C.

C 154 (6. 20)

Abfender:

Postkarte

Dr. Rudolf Schlichter
Berlin-Schöneberg
Neue Culmstr. 5a.



Handwritten note on the left margin: 'Handwritten note on the left margin' (partially obscured)

glenn in Vienna
than in New. In fine
out these dendrobidu
-type, that you wan
ted copies I had to
spare more than 2 days
in Vienna. In the glen
some expectation to
you soon
yours very sincerely
R. Schlichter

Prof. Parker Ames

Hotel Metropole,
Northumberland Avenue,
W.C.

C 154 (6. 20)

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Galmstr. 5a.

Dem 18. August 1922

My dear Prof. Ames!

I am in receipt of your two letters of August the 7th and the 12th. The reason, that I have not written before, is simply this, that I was not sure how long you are going to stay in Paris. Now after I have heard that you have started for Vienna I want to tell you, that to my great distress it is impossible for me at present to come over there, to meet you.

The times in Germany have changed a good deal to our misfortune and often one is simply compelled to spend lot of work to come up for the financial needs of one's family. As you know yourself, I have spent already quite a lot of my private time for all sorts of work for you and will certainly continue such work. You write to me about difficulties coming to Germany. I am very much astonished about it, because of late only Prof. Trelease was shortly here, as well as Mrs. Chase, some months ago. I am quite sure, that after all you can easily make it possible to come here, whereas my visits to Vienna on your costs would mean a lot of money and trouble.

As to the things, that you wish me to send, I will forward them at the shortest time as soon, as I have heard, that you have come to Vienna, but I still hope I will be able to give them over to you personally here in Berlin.

You will find such heaps of work here in my own and in the Berlin Herbarium, that it will very well repay your visits. Most probably you will say later on to yourself that it would have

been better to reserve more time for Berlin than for Paris. About
the money matters I hope to speak personally with you unless we
are going to leave it over to another letter.

With the best of compliments

R. Schlechter.

(A)

NORTH EASTON, MASS.

October 7, 1922.

My dear Dr. Schlechter:

We reached home on September 15th, and ever since then I have been pulled first one way and then another by the numerous duties that await one who has taken a vacation. Now I am about ready to take up orchids again and to carry out some of the many plans that have been maturing in my mind. Let us hear from you often.

The family moves to Boston next week. My address for the winter will be the same as it was last year.

I am delighted to know that the tobacco pouches were acceptable and just what you wished from London. The one that closed with a patent arrangement I sent to you because I had mentioned it when we discussed tobacco pouches in Berlin.

I secured the Zeiss pocket lens from the New York agency.

Write to me soon about your success in collecting the money from the bad manufacturer.

I want to study Central American species of *Stelia* this winter. It would be a great help if your material warrants sending me a few flowers of the following species. I give them by the numbers in your list. 1. 2. 3. 5. 8. 9. 10. 11. 14. 15. 16. 17. *Stelis crescenticola* 19. 20. 21. 22. 25. 28. 32. 35. 39. 40. 41. 45. 47. 48. 49. 50. 51. Just a flower or two of each where there is enough material to allow such separation.

Mrs. Ames joins in sending to you, Mrs. Schlechter and the children the best of good wishes. We think often of the delightful afternoons spent in your

home.

Oakes Ames.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

Received October 21, 1922.

8. Okt. 1922.

My dear Dr. Ames:

Not to let you wait any longer I am going to despatch what I have got ready of the tracings. The lady, who allways was doing them, has changed her lodgement and that for they come later than I wished. I hope she will be able to continue work a more quickly. I have tried to engage somebody else, to make quicker progress, but unfortunately without success. They are too expensive if with their wishes. One asked me less than 500 marks for each drawing. So I gave it up. I think 1000. for each at present is quite enough.

I am very busy since you left and have made good progress with my work. Soon I hope to send you the first copy of the *Orchidaceae Powelliana Panamae*. I have just finished a manuscript for

on *Paralichia* Orchids.

Please do not forget to send me the last part of your *Orchidaceae* (vol. VIII) and of your publication, in which you described some *Tournefortia*-Orchids (the Glabeuaria, which you suppose to be my H. novae-h.

The *Edman-Ladon*-Orchids I have just finished. There are not less than 3 new Leptanthes species amongst them. Now I will start with some Colombian things and then the large Costa Rica-collections will be finished.

I very much hope to hear soon again from you, but I expect after your return home you will have had a very busy time, so I will wait with patience.

With our best wishes and compliments

Yours very truly
R. Schlechter

Three hundred and fifty-five
Commonwealth Avenue

November 25, 1922

My dear Mr. Schlechter:

Here are a few lines to let you know that I am still above ground. The reason for my long silence is found in the very busy life I have been leading this winter since I came from North Easton to winter quarters. A few days ago I sent you a little pamphlet that may interest you. This is about all I have found time for.

Did I understand you to say that Kröninglin has published his monographs of *Masaevallicia* and *diakhasa*? I ask this question because my agents have not yet forwarded copies.

Recently I have been looking through my catalogue to plan out a system. Just at present printing costs are very high. But there are indications that prices will become easier. It cost over \$100.00 to get out 200 copies of the pamphlet I sent you. I got it out myself because our scientific papers are overcrowded and having a hard time to meet costs. I may continue the Schnecken, that is why I numbered it. But with the uncertainties of dividends one feels hesitation about assuming obligations.

You will be surprised to learn that we have not yet started our furnace fire. The coal strike causes such uncertainties as to supplies, that we have been living by open fires ever since the cold weather set in. So, you see, you Germans are not the only ones who are in danger of frost bitten feet.

Fortunately for us the weather has been normal with plenty of sunshine. Only recently has the thermometer registered freezing during the day. My herbarium is partly cold in the early morning, but the open fire is always there to back up to. I wonder if you get that habit. Sometimes in summer time one instinctively stands with one's back to a fire place.

Mr. Powell sent me some flowers in alcohol of Selenipedium clivia Reulb. f. This is very close to S. palmifolium Reulb. f. Unambiguously the plate in Xena was prepared from expanding buds. The mature flowers fall very easily if pollination has not resulted in fertilization. Fruits flowers and buds are present simultaneously. Mrs. Ames has made a delightful drawing of the species. It grows, as originally reported about 10 feet in height. As we say in American slang "Some orchid!"

I have not yet found an opportunity to examine my Bolivian orchids. In fact time is of such a nature in my life that I wonder why Einstein bothered with it. I suppose you have the feeling that time was longer when you were a boy. So much for relativity. As to the discarded laws of gravity, I find that my curves all lead away from orchids. That is, unimportant things like business meetings are the centres on which my curves of motion impinge.

Please pass on our good wishes. It is not too much to say that every day your name is before me.

Yours sincerely
Oakes Ames

P.S. Has the young orchid man learned English and Spanish yet? The time will soon arrive when an expedition will be planned. We might send him for the first trip to Central America with a U.S. Natl. Herbarium party. One will go next winter.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

25. Nov. 1922.

My dear Prof. Ames!

I have postponed daily my writing to you,
because every moment I was expecting a
letter from you. However since more than
a month there were no further news,
I hope you have got the proceeds, which
I have sent in September and not my three
letters.

The money from Wetheim ^{for the leather-bag} was sent to
us about 10 days after you left, & this
I had written to you at once and thanked
you and Mrs. Ames for it. Somehow it seems
that you have not received this letter and
therefor I sincerely repeat my thanks. As
Mrs. Ames wished it, this money was put
into the children's fund and they were
delighted for the good things they got
for it.

The material of Helis, I will look out
for you one of these days and send you
whatever I can. I expect I will be able
to send you material of most of them.

The Panorama - Orchids from Mr. Powell are all described and a large manuscript is going to the printers. There were several changes in the morning needed yet. But I am publishing a complete numerical list of all numbers at the end of the manuscript, this will make it easy for you. The hook hook hook, which I formerly supposed to be L. mi- robilis is L. Vestalii I have given a new description of it. In my manuscript of Mr. Powell's Orchids I have enumerated all species, that he collected, with some critical notes on them.

Since you have gone I have finished nearly 900 analytical drawings and the greater part of the interesting Costa-Rican things is determined and drawn already. But I got now a new Costa-Rica - collection containing again 289 different species and an immense heap of novelties amongst them. What a pity, that you are not here and enjoy the looking through of them. There are again most remarkable types.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

Besides I got again a collection from
Munro (I am a lover), another from Tolia,
~~and~~ one from MacDougal and lots of
South-American things. I expect from Costa Rica
I will have to describe again about 20 Helio
and the double amount of Pleurothallis, be-
sides some new yellow Epilobium.

I am impatiently awaiting your last work
of the "Orchidaceae", which I have not yet
received and the offprint, in which you
have described the Habenaria, which you think
to be identical with H. arvicola.

What about our "Geobotanische Orchideen" and
what about the "Tolia"? I am very anxious to
start.

I am now finishing up my monograph of
the Orchids of Europe and hope to be altogether
ready with it at the end of the year, then I will
publish the big Costa Rica lot, which, I think,
will give a pretty big volume, because I want
to cite all the numbers of the different
new collections.

Have you heard that Mr. Foulds has died.

I have now here again 50 drawings of types of mine for you. But the fossils are exhausted and it would be good if you could furnish me with new fossils, that I may continue the work of getting drawings made for you.

By the way, from Foster Rien I got 3 very remarkable new genera, perhaps even fossils and a very fine new Cryptocentrum and Fregon.

I will write again in a few days perhaps and send you the Helio-material. As soon as I get a little leisure I will continue the distribution of my New-Gadivian - Orchids and then at the same time send you some more Central-American things.

Now, I hope, some news will come from your region.

With the best of good wishes to you and Mrs. Ames, in which Mrs. Schlechter is heartily joining me
Yours very truly

R. Schlechter.

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355 Commonwealth Avenue, Boston, Mass. Dec. 14, 1922.

My dear Dr. Schlechter: Your letter of November 25th, arrived yesterday. It would seem that the postal mechanism has been working badly, because I have not received a letter from you since the 8th. October, and as I have written more frequently than your letter of the 25th, indicates. From you I received a very welcome and much prized remembrance of my birthday. For this I wrote my best thanks. I also wrote to you that the present time seems very unpropitious for any heavy undertaking in the way of printing. And a few days ago I mailed to you a little pamphlet which I had privately printed because our magazines are very much hampered by the printing conditions in this country and by a falling off of subscriptions with increases in the cost to subscribers. My last letter to you was written on the same day that your last one was written. In that letter I referred to the catalogue and informed you that I had looked at my records with a view to getting them in shape at the earliest possible time. I have instructed my assistant to forward to you the papers you have asked for. This time I hope they will reach you.

I am delighted to learn that Mrs. Ames's gift to

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the children proved welcome and that you were able to secure it.

To-morrow I will go to the bank and arrange for another draft to be sent to you. It would be a shame to put an end to the drawings. Please keep up this good work for me and send anything of your Central American species that is critical or new. You may rest assured that the funds to re-imburse you will be forthcoming.

Have I all of your recent papers? I am just as anxious to receive them as ever I was and I hope you will not omit sending them because of pressure of other work.

Some good collections are coming in now and I will not forget you. As a beginning I intend to send to you next week a set of Philippine orchids that has been ready for some time. This set contains some types and one of the best sets of the Mountain Province Collection.

Please remember me to Mrs. Schlechter. Mrs. Ames joins in all good wishes to you both for the Christmas Season.

Yours very sincerely,

Oakes Ames

CERTIFICATE OF ISSUE

(TO BE RETAINED BY THE PURCHASER)

DATE Dec 30 1922

STATE STREET TRUST CO.
MASSACHUSETTS AVE. & BOYLSTON ST.
BOSTON, MASS. U. S. A.

HAVE ISSUED THEIR CHEQUE N^o 4102

ON Berlin Germany

FOR M 142857

① 0001 ³/₄

\$ 25²⁰
735
25.35

355 Commonwealth Avenue, Boston, Mass.

December 30th, 1922.

My dear Dr. Schlechter:

I am enclosing a draft on Berlin for one hundred and forty-two thousand eight hundred and fifty-seven marks. Please use this amount to have tracings made of your Costa Rican novelties that turn up as you work through new material. When this money seems to be drawing to an end, let me hear from you and additional funds will be promptly supplied.

This has been a busy week as the American Association for the Advancement of Science has been holding the annual meeting here.

A package of reprints was sent to you a day or two ago. This should reach your address by the time you receive this. If the package fails to get to you, let me hear from you.

On February first I expect to visit Honduras. The United Fruit Company is leveling some forty thousand acres of virgin forest and the prospects for interesting collections are exceptional. I have succeeded in interesting the fruit company in the need for preserving orchids and I have promises of intensive cooperation. In fact I have reason to believe that we are about to get results from a very poorly known region.

The specimen of *Taeniophyllum* arrived day before yesterday. This was much appreciated because of the kindly wishes that accompanied it and because it came at a time when remembrance means so much. You are mistaken about the distribution of this "Ejewell", because you have already supplied me with excellent specimens. Please accept my best thanks for your thoughtfulness and convey to Mrs. Schlechter the best wishes of Mrs. Ames and myself.

Tracing of *Epidendrum papyrifera* Schltr. is

sadly needed here. Please remember this when you get out material for the artist to trace.

I am delighted to learn from you that the Powell orchids are soon to be published. I have waited impatiently for this work as I must have it for my Central American Flora.

Tracings of your new Epidendrums from Colombia are much needed.

I am delighted to learn that you can help me with the flowers of your new *Stelis* species from Central America. Please get these to me soon. That is, before my enthusiasm dies down. It is always so delightful to have the needed material at the time when one's interest is at concert pitch. After the first flush of enthusiasm the receipt of critical things never seems to mean so much. Just a few flowers will answer my needs as I already have the habit drawings.

I wish national affairs could become more stable. It would be delightful to think that a trip to Berlin would simply be a matter of time. I have so many things I want to tell you about and so many problems for the solution of which your aid would be welcome.

Remember me to Mrs. Dr. Schlechter, and for yourself accept the best wishes in the world for the New Year.

Yours sincerely,



355 Commonwealth Avenue, Boston, Mass., U.S.A.

December 31st, 1922.

My dear Dr. Schlechter: I am not going to allow the old year to pass without writing to give you my best wishes for the New Year. The year 1922 must go down in my records as the time of our first meeting. It must also mark the time of a most pleasant visit to your home in Berlin. Mrs. Ames joins me in sending to you, Mrs. Schlechter and your children, the best of good wishes. Tell the children that I have carried home a very clear picture of the wonderful managerie that adorns their balcony and that I hope someday to have the pleasure of inspecting again their biological treasures. We have not forgotten Mrs. Schlechter's wonderful tea. The talisman is one of our best possessions. I think it must have been the talisman that saved my camera.

Yesterday I sent you by registered mail a draft on Berlin for a large number of marks. This should bring to me several hundred tracings of your Central and South American types. The Costa Rican species are, of course, the ones that interest me just at present, although Colombian species are always welcome.

The trip to Honduras is practically decided on. The Vice President of the United Fruit Company dines with me on January second to make arrangements for the expedition. While in Honduras we are to have the use of launches and other means of conveyance and every facility for drying plants. If the orchids are there, we ought to get them. You may be sure that in every case I will collect a duplicate for you. Anything from Honduras ought to be acceptable. It would seem that the United Fruit co. is interested in my hobby, and that even when I am not in the field the timekeepers and managers are to prepare specimens for me. Of course, all such prospects are rosy at first. But this time I really expect to get results of a most important kind. First we go to Yucatan

to inspect some Maya ruins. I hardly expect to find much there in the way of orchids, although it is planned to enter some of the regions where there is a heavy rainfall.

Send me a sample of your idea of an orchid catalogue. That is, set up a genus and two or three species so that I can ascertain if our ideas coincide. I do not imagine that this would be a difficult thing to bring out if we followed an alphabetical arrangement. It seems to me, off-hand, that a natural arrangement would be open to extreme difficulty. I do not remember that we really reached a decision as to this.

Send me a copy of the Powell orchids. Even the proof sheets would be of value to me, if the day of publication is to be delayed for any reason.

If I sit up much longer I will have to double-date this letter. The New Year is creeping in. Just one hour from now the bells of the city will begin to ring.

Dont forget the Stelis flowers. These are very much wanted.

Prosit!

Yours sincerely,

Walter Oakes

355 Commonwealth Avenue, Boston, Mass.

My dear Dr. Schlechter:

Your letter of November 25th, is the last one from you that I have received. I am looking for news from you every day.

By this time you must have in hand my letters dated December^{30th,} and December 31st.

On Wednesday of next week Mrs. Ames and I leave here for Yucatan, Colon, Port Limon and Tela. At Tela we expect to begin our collections of Honduran orchids. Then we may go into Guatemala for a short trip. I am not sure as to the date of our return. That will depend somewhat on the success that attends our efforts in Honduras.

I have a new paper coming out which will be of interest to you. I will send a copy when my supply comes in.

Please send me tracings of your new Costa Rican genera. Anything you have ready will be most acceptable for examination on my return home in the spring.

We are wondering how the extraordinary conditions now prevalent in Europe are affecting your outlook and your work. It must be very trying for you both to have the political horizon constantly clouded. We get very unsatisfactory news through the papers and find our thoughts in a turmoil.

Give my kind regards to Mrs. Schlechter. My wife joins me in sending to you both and to the children our best wishes.

Yours sincerely,

5^e Jan. 1923.

My dear Mr. Ames!

Your letter dated Dec. 18. reached me on Dec. 28. I at first intended to write at once, but since you wrote, that you wanted to go next day to the Bank, to get some new funds sent, and that the pamphlets I asked for are going to be forwarded, I thought better to wait and to acknowledge their receipt at once. However until now, more than a week later, nothing has arrived. If you have actually forwarded the draft before Dec. 24th then I think it must have got lost and it would then be best to enquire about its whereabouts.

By your letter I see plainly, that some of my letters have not reached you and surely some of yours have not reached me. It is always safer to send letters of importance registered. However I hope that about the draft everything is all right yet, perhaps you have had no time to send it.

I am now preparing the sketches that are ready, to be sent to you before the 15th,

because then a simple foreign-letter will cost here 160 marks. The last of them I had to pay from own funds, because the others are exhausted and the lady, who is doing them has raised her prices very much. Yet, she is cheaper than anybody else.

Of late I have been working day and night on my monograph of the European Orchids. It is nearly finished and I can now take a little blow. The European Orchids have appeared, but I have not yet got my copies. As soon as I get them, I am going to send one to you. All the Costa Rica - Orchids are drawn too. The amount of novelties is simply surprising. I will have to get you heaps of things made again. I am almost ashamed, that I have not yet sent you the Helis-material, you asked for, but I will surely ~~send~~ get it out during the next days. Wherever possible I will send a full twig or a plant. I am afraid I will have to double the number of Helis with my new material. There is some yet in the wood and every prospect brings more novelties.

Until now I have not yet got your Vol. VIII of Orchidaceae. I do not even

Know, what it contains, except what I have read in the Orchid-Review in August (I think) and what you told me.

Very anxious I am to hear from you about the furthering of our plans respecting the "Prospectus Orchidacearum" and about the "Folia". If we do not start in time, we will be getting too old, to finish them. If we two are working hard, the "Folia" alone will ^(take) some thing like 20 years.

I have got everything ready to write and to autograph of the Urcuthere. Shall I make it ready and send it to you for the "Folia" with the analytical drawings of the species?

To-day I got fresh material sent to me of: Dendrobium methystyloides, Gleisostoma chrysocladum Kränzl (typ.), "Gleisostoma spicatum" (leg. Lohr), and some others, all determined by Kränzl and most probably all wrong. For instance there is Dendrobium Lobbianum (determined as D. latifolium) your Urcuthere micrantha (determined as G. denhartii) etc. etc.

I am enclosing for you an inflorescence of

4. Febr. 1923.

My dear Prof. Sures!

Many thanks for your last two letters
and the money, which arrived in due
time. It will be used in the way you
wished for. In the mean time I have sent
you already another lot of 5' tracing,
which I hope will arrive safely. Perhaps
you could send back to me always the
fin-roll, because such things ~~can~~ one can't
get here now excepting by paying immense
ly for them. If you should be able to en-
close ^{in the tin} some tubers or roots of *American-Or-*
chids for cultivation here in the Botanic-
Gardens they would be very welcome.

I am now preparing the specimens of the
Helis for you. I was so very busy with my
newly written "The Orchids of Europe," that
I allways had to postpone it and till now.
They are pressing me so much to get this
work finished, that I had to leave all other
things more or less aside.

With this letter I am despatching for a
copy of my work on the Costa Rica - Orchids.
What a pity, that your pamphlets and the
last part of your "Orchidaceae" came so
late, I could then have revised a few
new names, which seem identical with
some of your novelties. However, I think,
they are only 2-3.

By now you will most probably be on
the road to Honduras and I sincerely hope,
that you will have a great success. See
if you can't find there the Cochisea ~~quinta~~
guedesii. I expected always, that it would
grow there.

I will now start with my big work on the
Costa Rica - Orchids and as I progress take some
duplicates out for you too. In spring I am
going to start with a new distribution of
New-Guinea - Orchids, now the rooms are too
cold for this work and would be too expensive.

With the very best wishes for your
trip to Honduras
Yours very sincerely
R. Schlechter.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

24. Febr. 1923.

My dear Mr. Ames!

A few days ago I have sent off the samples
of the Helio-species, that you wished to
get. I hope they have arrived well. I have been
extremely busy of late with my monograph
of the Orchids of Europe, otherwise I would have
sent off the Helio-material much earlier. This
monograph is finished now and has gone off
already. I am daily expecting offprints of my
new publication on New-Guinea-Orchids, but
they have not arrived yet. I hope you have got
the Orchidaceae Tovelliana. ^(which I sent off to you at the end of January.) From your ^{letter} ^{it} ^{seems}, that Mr. Powell is now sending his
^(and no more to me)
Orchids to you. This I certainly have not deserv-
ed from him. If I would not have stopped
in, his Orchids would all be lying yet un-
determined. I don't know, what powers have in-
fluenced him to make these new arrangements.

Your publications of so many new Orchid-
Orchids give me much difficulty now. You
have got copies of all my types and I have
none of yours. With the Helio-species this is

a rather difficult situation now for me, after
I have sent you these copies of all my novelties.
With the draughtmen I have got great diffi-
culties now. They want to have 1000-1500 lbs
for extracting now. I have sent you 50 lbs
ready a few weeks ago and will soon get
some more again (I expect this week about
40 more) and then I will see how I get on for
that. The workmen get here now 900-1500²
lbs on hand, and the draughtmen naturally
say, that they can't work for less.

What about our "Taxonomy of Orchids"? We are
going to lose too much time!!! I will un-
der all circumstances start with the printing
this year. The arrangement should be the na-
tural sequence of the genera and in alpha-
betical one to the species. In each species I am
going to add the synonyms and at the end
the native country. What do you think about
this? Tell me at once if you will give me in
it, because we really cannot afford to lose
more time now. I am sorry that with the
"Felix" we have lost already three years
and am not sure, if I am not going to

begin with them soon.

Most probably it will interest you to hear that soon any Atlas to the Orchids of German New Guinea is going to start its appearance. In it I want to publish all my new botanical drawings of all these Orchids. I think it will be a good help to Orchidology, if I am able to carry it through to the end.

Don't you send me some specimens of some of your newly described Foster Rich-Orchids? I am very anxious for material of your Telipogon Loukesii and Coniophthalma Loukesii.

How have you been getting on in Yadenau? I hope you have returned with a rich harvest of good things. Don't forget me in the distribution, I am sure, that I can send you many good things in return.

As soon as it is getting warm again I will continue the distribution of my New Guinea-Orchids. I wished to do it during winter on dark days, but the coals are so expensive, so that one can only afford to heat a single room.

where we will work together at home. Times
have changed here very much since you
have left Berlin. Everything has risen more
than about a hundredfold in price. If you
would hear of the summes one has to pay
for every little bit, you would be surprised.
Fancy only, for instance a writing-pen costs
about one hundred marks, a common sheet of
writing paper 120-150 marks; getting boots &
gaiters (soles and heels) 20000 marks, etc. Such
samples explain openly, why foreigners are
starting to leave Berlin more and more.

I hope this letter is going to reach you
in good health and fully satisfied with
the results of your Gwentau-Expedition. Do
write at once about the "Catalogue" because
I cannot afford to put it longer off again.

With the best of compliments, in which
Mrs. Schlechter is joining too, to Mrs. Stues
and yourself

Yours very sincerely

R. Schlechter.

355 Commonwealth Avenue,
Boston, Mass. April 20th, 1923.

My dear Dr. Schlechter:

I returned a few days ago from Honduras to find your letters of Feb. 4th, and 24th on my table. It was good to see your handwriting again and to learn of your activities in the realm of orchid work. I have hardly had time to settle down to the numerous duties I have on hand. In fact, I am suffering from the unrest which a return from a trip away usually stimulates.

I found Honduras a bit disappointing. The country in the vicinity of Tela and Truxillo is characterized by a low rain fall. Consequently the forest presents arid conditions to epiphytes and does not encourage a rich orchid development. The species I found were mostly of the Guatemalan complex. I rarely found more than one plant in bloom so that duplicates are to be very scarce. I added about one hundred species to the known flora of Honduras. I cannot yet see my way clear to work up the collection.

My trip to Yucatan to which you refer was just a visit to the Maya ruins of Uxmal, Chichen Itza, Sayi etc. I devoted about ten days to this. I found a few orchids, but in the parts of Yucatan where the ruins are the conditions are arid. I found a few specimens of *Epidendrum xipheres* in flower and saw a large number of plants of *Epidendrum Stamfordianum* in flower. Yucatan as you know is not an orchid country.

Many thanks for the *Stelis* flowers and the tracings. I have hardly had time to look at them!

Powell's Panama orchid paper arrived. I note that this was issued on December 30th. Is that date correct? I ask because we did not receive the issue until weeks later, to say nothing of your reprints which did not arrive until late ^{February} ~~January~~ or

early March.

You ask me for an immediate reply regarding the catalogue of orchids. As I told you I regard such a publication as a great necessity and I should like very much to co-operate with you in bringing it out. Just at present I do not know just how you plan to issue such a work, nor do I know your wishes with regard to form, etc. Furthermore I am not sure just how we could work on it with the Atlantic Ocean between us and the unsettled state of the world playing havoc with the mails. Another matter. How are we to make this catalogue a standard work if we push it as fast as you seem anxious to do. For example, I was asked to get up a list of our native orchids north of Mexico for the American Orchid Society. I thought it would take me about a week to prepare the manuscript. The nomenclatorial difficulties I encountered were so numerous and perplexing that aside from doubting my ability to overcome them I despaired of finality in less than one year. Now, you suggest a catalogue of the orchids of the world. Unless you have really given this matter deep thought I am afraid that you have no idea of the size of the task just from the nomenclatorial side. It is perfectly stupendous! If we attempted the catalogue alphabetically we might assign letters to each author and let him work out the genera and species under the specified letters. This would be much more simple than an attempt to reach a natural system. I am not throwing cold water on the proposition. I am sincere in my wish to accomplish what you have in mind. I only want you to realize that it appears to me to be a dreadful task, and that on top of all the other things we have to do to keep the orchid ball rolling. Anyway take this as a homecoming letter, full of the unrest that attends attempts to find oneself with piles of mail, specimens and demands. To say nothing of the political situation and the uncertainties of the near future.

With all good wishes,

July 21st, 1925.

My dear Dr. Schlechter:

On April 21st, I sent you a cablegram asking what it would cost to reproduce your drawings of Costa Rican types in your proposed publication on the orchid flora of Costa Rica. Since then I have not heard a word from you. I take for granted that you have been very busy and that you have found more important things to do than to bother your head about me. In the meantime I have been overwhelmed with work on an enumeration of Philippine orchids for Prof. Merrill. I did not realize what a difficult undertaking this would prove to be. The nomenclatorial tangles to say nothing of the work on material have consumed time and energy. Just to write out the necessary data has been a stupendous task. To make the work more difficult my health has been far from good. The Honduran expedition on top of the visit to European herbaria proved a little more than enough to force a long rest in the country.

I have been expecting a letter from you in every mail. But it would seem that you have neglected to write one. Please let me have the pleasure of a few lines. I am anxious to know how you are overcoming the serious conditions that must prevail under the falling value of the mark.

I have not received any reprints of yours for months. What have you been doing?

What is the present status of the drawing account? Surely you will let me know when the funds are low or exhausted? And surely there must be some tracings ready to forward to me.

In my work on Mexican orchids I keep coming against obstacles presented by Llave & Lexarza species. Do you know where the herbarium of these authors is treasured? Does it exist. For example, the type of *Alamania* is very important. What Lindley and Richard took to be *Alamania* is surely not properly allocated. Have you ever attempted to ascertain if the Llave & Lexarza specimens are in Madrid? It may be that we must regard the unknown species of these authors as dead; things never to be known, but unless something of the history of their collections is on record somewhere, we must not attempt work that might be undone by an unexpected discovery of their herbarium. In the New York Botanical Garden Herbarium there are four of five Llave & Lexarza specimens, but none of them represents an orchid. It is the existence of these specimens that makes me believe that somewhere we may find others.

Please write soon.

Yours sincerely,

19. Aug. 1923.

My dear Mr. Ames!

You must not be cross with me, that I have been quiet for such a long time. The reason for it is simply this, that from overworking myself I had a regular break-down of nerves and had to take a recreation of several months, where the doctors did not allow me to occupy myself with any scientific work nor any correspondence concerning it. Now I am so far all right again and I hope to take up the beloved work again.

Your cable I have got shortly after my break-down and I would have answered it yet, but I expected an explaining letter. Now as to this I propose you the following. Each plate containing analytical drawings of about 4 species would cost about 1 dollar 50 cents. If you will contribute such a volume we might publish the drawings in the same way as the New Guinea Ichtho-analyses are brought out now. If this method does

not outside your it would be very much costlier.
I would of course only publish the newly
seen of the new or otherwise especially inter-
esting species and let them appear separa-
tely because it would be too late for my
publication on Costa Rica - Orchids, which
I hope to bring out on the 30. Sept.

This publication I intended at first
to bring out in ~~the~~^{April} already but owing
to my bad health I ha could not finish
it in time.

You must have got some (about 40) co-
pies of my novelties some months ago. The
rest, that is finished, I send by this mail.
They are about 120 pieces and I hope that
they will arrive in good condition. The
showing - fund is with this exhausted
now, because at the present state of our
valuta I cannot get anybody to do my
drawings for less than several thousand
marks each. Considering that a simple ~~transport~~
train-car fare costs now here 150 thousand
marks you will understand it and why.

I can quite understand, that you
have no end of difficulties with the

Los Llave and Lexarxa - Orchids. For years all
hardly I have been trying to find some body to
collect in these parts (which I mean), but without
any results. I expect that perhaps some of their
types might be found yet in some Jesuit-college
and I have tried to interest Dr. Reiche for this
question. We will most probably have to wait
until some able collector is going to revisit
the old localities and is ^{hunting} ~~following~~ up the
Lexarxa - species.

I was not expecting much from your trip
to Guatemala and Honduras. Perhaps it would
have been more fruitful, if you would have
gone to Lexarxa localities? As to Ulanquin,
I only know the plant that has been always
taken for this species. I have been enquiring
in Madrid for several things, but I was told
that they would not lend out any specimens.
They should be studied there. If I have
any Lexarxa - Orchids or not, I cannot say.
Most probably they don't know themselves.

My work on Costa Rica Orchids is progressing
now quietly and, as I have written above, I hope

to bring it out at the end of September.

Here in Germany we are undergoing awful times. Everything has arrived at prices that are simply incredible. One pound of meat for instance costs about 1 billion and a half marks, a pair of shoes costs 20 billions of marks. The postage nobody can pay anymore, but till the 23rd day, a foreign letter costs 3000 marks, after this 6000 marks. From all this you can fancy yourself, what life means here now. Everything is counted by the dollar and the dollar stands to-day at 4 billions. When you ~~was~~ were here it was standing about at 1500 marks.

I am going to continue my work as far as it is possible, but one is much impeded with the sorrows of daily life.

As yet we have been fixing, but nobody knows, what is coming tomorrow, or in a week or in a month. I fear happy people outside Germany cannot imagine, how France is sweeping out the country, otherwise some more vigorous steps would be taken.

Hoping that I will continue to get better to be able to take up my regular correspondence with you again, I remain with my best wishes to you and Mrs. Ames yours sincerely
B. Gehrke.

To the Berlin man will everything well? Best wishes for you and Mrs. Gehrke.

September 7th, 1923.

My dear Dr. Schlechter:

It was surely delightful to receive a letter from you to-day, but disquieting to learn of your recent break-down from overwork. I had begun to fear that some extraordinary event had occurred which led to your prolonged silence. Your assurances that your health is mending and that you are now ready to resume your work are gratifying. The thing now, is to avoid another overstrain.

I am glad that you are about ready to bring out your paper on the Costa Rican flora. It was for this paper that I had hoped to be able to help you prepare a set of plates. Your suggestion that the plates would make a helpful supplement meets with my approval. But, in your letter of the nineteenth August you quote a price without telling me how many new species there will be. Please bear this matter in mind. When you write again give me some idea of the number of plates that will be necessary to illustrate the new species.

Then we can arrive at some definite arrangement for having the plates reproduced and published.

In the meantime I will replenish the "drawing fund" with the understanding that you will have the new Costa Rican orchids and any other Central American species necessary to complete your series made for me in the usual manner. I will send you a draft on New York for twenty-five dollars next week. Pending the arrival of that amount I enclose a bill for five dollars which I hope will get through the mails

without mishap. This small sum should make a beginning. I am particularly anxious to have all of your species drawn as it will be most helpful in preparing the keys for my monograph.

I have a good supply of Panama orchids for you. Perhaps you will send as an exchange some of your Costa Rican duplicates. I also have ready another set of Philippine species. It would be most acceptable to me if you will find time to send me some of your New Guinea duplicates. I have been looking for these as I believe you promised to send them at your earliest convenience. I had hoped that Lankester would send me some good things from which to select specimens for you, but as a rule his numbers are very scanty. As a matter of fact he does not seem to enjoy the task of making specimens. He rarely sends more than one fragment of a species.

My work has been slowed down by poor health. As I wrote to you in my last letter, I have, like yourself, been obliged to take life easy. I play much tennis with the children, and in that game find the hours slipping by quite rapidly. What I do this winter will depend very largely on the upbuilding of my physical condition this summer. I sometimes feel that I ought to retire from all kinds of mental work and devote all of my time to finance. The trouble is that I take systematic work very seriously and suffer much from its uncertainties.

One matter has bothered me a great deal. I refer to the necessity of getting to you copies of the drawings of my recently described species. This winter I expect to find time to make tracings of the drawings and to have photographs made of the originals. I do not see any earlier date for this important task.

I glean from your letter that the rates of postage have passed all reasonable bounds and that the future is dismal. This means, of course, that you will find it impossible to pay the high rates necessary to forward packages to me. I suggest that you allow me to reimburse you for postage and that you send specimens to me as freely as you like. It would be a calamity to suspend the advantages of an exchange.

Have you overlooked Epidendrum nanyriferum and E. verrucosum in your drawings? I find that these species are missing from my herbarium. And what is the story of Epidendrum psychotrioides. I have been unable to get any idea of this species, and it appears to be missing under the citation given in your C.A. enumeration.

Coelocyme Ehlbruckeri Kraenz. appears to be conspecific with C. macerata Reiche. Not with C. Merrillii Ames. Epina inanoena Kraenzlin appears to be the same as Ascotainia Elneri Ames. Both Pulbenphyllum manihotitanum and P. triangulosum of Kraenzlin's authorship seem to be conspecific with P. Levanae Ames. P. syllectum Kzl. is surely the same as P. Luzonense Ames. P. erectum Kzl. may well be the same as P. stellatum Ames. P. echinophilum Kzl. is doubtfully of Philippine origin. It seems to be African. Microstylis philippinensis Kzl. is the same as M. dentata Ames, now Malaxis dentata. I have other notes for you, but these are the only ones I remember, being away from my herbarium and note-books. You may not be interested in these findings, but the time may come when you will have use for them.

I have just about finished the enumeration of Philippine orchids for Merrill. This will be a valuable contribution if the manuscript as I have prepared it is published without alteration. The bibliographical studies necessitated many hours of patient labor, but I think the results obtained paid amply for the work involved.

Please send me your recent reprints. How about the orchids of Cuba. I have not received a copy of your paper and I know it has appeared. I believe you have everything of mine up to date.

Mrs. Ames joins me in good wishes to you, Mrs. Schlechter and the children. We must meet again some day soon. It will seem so different to meet again, because now we wont need to wear Stanhopea flowers to make recognition sure. How many times my thoughts have turned to that eventful night when Mrs. Ames and I came to Berlin from Austria. The station platform is so clear in my mind's eye. I can see you waiting for us. And then I remember how prosperous Berlin seemed after Vienna. It will be many a day before the memory of the pleasant meetings in your rooms passes from my recollection. The good tea, Mrs. Schlechter's hospitality, and the feast of orchids on the table. And then the talisman. That little gentleman is surely responsible for the ease with which Mrs. Ames and I passed the frontier.

This is a long letter. And I fear it has little worth your attention concealed within its rambling lines. But it goes to you with the best of thoughts and with wishes for your happiness in the midst of your national trials. Surely all will come right again and the present struggles will be only as a bad dream.

^a
Fithfully yours

Oskar Ames

September 11th, 1923

My dear Dr. Schlechter:

Put aside the thought that I went to Yucatan with the expectation of finding orchids. My trip to Yucatan was a pure diversion and had its origin in a desire to see the Maya ruins. Incidentally I wished to clear up several points regarding the variation of Epidendrum xipheres in its native home. I found this species very common around Sayi where I passed the night on the temple platform, but very few plants were in flower. Yucatan in the vicinity of the ruins is a dry, unpropitious country. One wonders how the Maya civilization developed so extraordinarily in such an arid region. We had to carry our water with us. As for Honduras, my hopes were high, but unfortunately Tela and Truxillo are not blessed with a heavy rainfall. I collected about one hundred species. As only eight or ten species have been reported from Honduras, I felt that my efforts were not wholly without reward. I have found that you have confused British Honduras and Spanish Honduras in the tabulation given in your enumeration of Central American orchids.

The tracings have arrived. Many thanks for your kindness in sending them to me. I have specimens of the originals as Powell has been assiduous in his efforts to make a complete set for me from the type plants in his garden at Balboa.

Have you received the five numbers of Sched. Orch? The fifth issue was sent to you early in June, but

I have no memory of any letter from you regarding it. I hope to bring out the sixth number very soon. I still lack a few plates. When these are finished the printing of the copy will begin. In the meantime I have about finished my enumeration of Philippine orchids for Merrill. This has been a time consuming job. Now that I see the end of it I feel a bit more free than I have felt since last spring. This enumeration will be a very valuable piece of work for reference, but, aside from a few attempts to straighten out bibliography, it lacks originality.

I have heaps of specimens that now await study. In fact I have never before been so overwhelmed by unidentified material. The Pennell specimens from Colombia are delightful. They fill a good sized packing case. Maxon has returned from Nicaragua, but his orchids are few in number. He does not speak flatteringly of the country!

Pringle 5830. This is Epidendrum oaxacanum Rolfe ex Ames in Proc. Biol. Soc. Wash. 17(1904)120. And where, by the way, did you pick up the bibliographical citation published in your enumeration of Central American orchids? As a matter of fact, I find the bibliographical citations in that work sadly in need of revision. Your cards are wrong, or the proof-reading was done too rapidly. Pringle 5830 is the number that you thought represented a new species, the one for which you proposed the name E. felipense. When I worked up the material I found that it was the same as E. oaxacanum, the same number as the type.

I am not sure that I shall visit Central America again this winter. The points that I had in mind to explore are to be visited by expeditions in which I am interested. In fact, Central America

will be pretty well covered in the next few years by capable and thoroughly trained botanists. At present most of the collecting is being done by residents who are characterized by the Latin American tendency to follow the course of least resistance. Their field data, by the way, are not so reliable as one would wish. I think they trust too much to afterthought when they write up the notes for their specimens. I know of one man who estimates his altitudes in a very bad way. He estimates his altitudes by guessing what the level he is at on a mountain should be by comparison with an apparently similar level on a distant mountain of known altitude. Such a procedure results in serious error. From my observations and from the stories of my colleagues it would seem that the specimens we have been getting are only such things as are snatched from the trail-sides on aimless rambles.

I am burning with the desire to see your forthcoming paper on Costa Rican orchids and I am overwhelmed with impatience while anticipating the arrival of the tracings of your Costa Rican novelties. Costa Rica is a wonderful country. I wish we could go there together some day and explore Turrialba. The county round Cartago is delightful and close to localities that are in sad need of intensive exploration.

Send me some duplicates soon. I can promise you a most acceptable exchange.

Yours sincerely,

Dr. Rudolf Schlechter

Berlin-Schöneberg

Neue Culmstr. 5a.

October 6, 1923.

My dear Prof. Dr.!

Your two welcome letters I have received a few days ago, and I will answer them both at once. The reason that I was so quiet for some time was my illness and in fact now I am not yet well off, because the doctor has constantly had a sickness of the liver and I have to undergo a cure for some months. But as I am feeling otherwise well must have now nearly finished my work on the Costa Rica-Orchids. In fact, when this letter reaches you, I hope that the work has appeared already, as most of it is already printed.

The 5 Dollar note has arrived and I will use the money in the way you wish it. I changed the Dollars as soon as I got it and got ^{about} 120 millions of marks for the Dollars. I have got from you here about 60 millions by way on the

the Bank. It is not much, but even in
slowing, that people are accustomed to
reckon only by millions here now it is ^{valued}
by very little. In fact now the Dollar has
risen already to 500 Dollars and
I am sorry that I have changed the
5 Dollar - note.

As to my compilation of the Central-
American - I should, I know that there
are quite a number of misprintings
in it. When it was printed I had to re-
turn to the work - field and somebody
else was reading the corrections.

As soon as I can find a little time
for it, I will look out for your dupli-
cates, but at present owing to my ill-
ness I am simply overwhelmed with
work.

I would indeed like it much to make
with you a collecting - trip to Costa Rica,
but first my health must be fully re-
stored.

With the best of wishes and kindest
regards to you and Mrs. Ames from Mr.
Jellicote and myself. Yours very sincerely
R. Jellicote

The U.S. Govt. is in a hurry to send the Central American Isthmian Railway. We are all
3.9.9. Glad to see, we had a pressing letter with here now. From
get in bank now.

Octob. 27th 1723.

Dear Prof. Ames: I have got an offer here
of one century (100 species) of Lycopodium-
The specimens were rather scanty and only
with the locality, "Leyou-leg. Smith". There
were a number of good things in. They were
well determined. The man wants eight dollars
for them. I cannot buy them for want of
money. Should I buy them for you, when
the advised 25 dollars have arrived?
The latter I have not received yet. If you

Versandfertig
Absender:

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

wish to have the
collection please
send the money
in a letter. It will
arrive safely I think.

Best wishes
yours truly
R. Schlechter

Postkarte

Zum
Flehen
der
Freimarkte

Prof. Charles Dues

22

Boston

275 Commonwealth Ave

United States
C 104 (6.20)

A

355 Commonwealth Ave. Boston. Mass.
November 7, 1922.

Dear Mr. Schlichter:

Where is my copy of your Costa Rica article paper?
Your last letter made me believe that this anxiously awaited contribution
would reach me before this date. Please send it to me with any
other reports you have in hand.

I enclose ten dollars towards the drawing fund.
I don't want send a draft for twenty-five dollars when I write
last, because the chances were that this amount would diminish
to nothing in your bank. It will be better to send small amounts
from time to time than to suffer the ruinous loss caused by
large amounts depreciating in value while lying idle.

The reports that reach us through the press indicate
that life in Berlin must be hard. If I can help you in any
way don't hesitate to tell me what I can do. If the enclosed
money will help you, pray use it. And pray this with the
realization that you may resent the implication. But do not
do that. The times are abnormal. We must accept abnormal
conditions, abnormal suggestions. It would be a cause for
grief if I thought that hesitation on my part might deprive
you of comfort.

Please remember to Mrs Schlichter and to
the children.

Yours sincerely
Oscar C...

P.S. Send me some Costa Rica duplicates, soon?

A

Copy

355 Commonwealth Ave. Boston

20th. November 1923.

My dear Dr. Schlechter:

Your postcard of the 29th. October reached me promptly. The Ceylonese valves will be very acceptable.

I did not send a draft for twenty-five dollars as I understood that the banks had ceased issuing drafts. Then I sent ten dollars in a letter. Another objection to a draft was an impression I got that in cashing drafts a percentage was retained for the satisfaction of a tax. In this letter I enclose ten dollars in bills.

Why have you overlooked Maxillaria microphyton in the collection of trichopogon? I would like to have this. Also Pleurothallis Hunteriana.

I have been expecting your Costa Rican paper to arrive, but as yet I have seen nothing of it. Please send me your new work as it appears. If the outlandish cost of postage enters you for sending papers and specimens, apply some of the money I send to you to that purpose.

Everything is moving smoothly here. But there is much work to be done. Recently I accepted the curatorship of the Botanical Museum of Harvard University. This position means a great burden at a time when I have more to do than I can really accomplish.

Our knowledge of the situation in Germany is formed chiefly from news-paper reports and "photonews" in the moving-picture shows. Surely you are passing through awful trials

you sent to me a single flower of Stelis aemula. When I examined it, I found the labellum missing. If you can spare it, an additional flower will be acceptable. Just at present I am having my Central American species of Pleurothallis drawn for publication. The work is nearly done and I expect to issue the plates this year.

The situation in orchidology has become ^{so} intolerable, that a rule should be made which would invalidate any new species proposed without analytical drawing. To relieve the pressure, a time limit of two years should be established within which time an author could validate his species. Descriptions are wholly inadequate for purposes of identification and the time will soon come when progress will be impossible. It does not require extraordinary imagination to picture the future when our successors will stand aghast when they attempt to interpret our proposals and at the same time strive to interpret new collections. Until the species of the genus Stelis are correctly illustrated, the descender species must remain indistinguishable.

Please remember me to Mr. Schlechter. I hope she is well and bearing up under the strain of political blunders. Your letter regarding your impaired strength is alarming. You must be kind to yourself and use more precautions in your efforts to restore your system to normal condition.

Yours sincerely
Charles Ames.

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

26. Nov. 1923.

My dear Mr. Ames:

The publication of my work on
Custer River - Orchids was constantly
postponed again on account of strikes
and other inconveniences. Was at last
I can send it off to you, I got the
copies yesterday night.

You will see, that it contains
a lot of new things and some rather
interesting ones too. Unfortunately
I could not draw back any more some
plants that in the mean time you
had published; but they only a few.
For instance the Trigonidium truncatum
which I fear is identical with
your F. Lankeseri.

How nice you got my camera and speaking the German - German?

I am very much at work with the
Mrs. Gaskins - Orchids now. It will
be a publication of about the same size
as the Costa-Rica Paper.

Many thanks for the last letter
from Mr. Jth. I got it three days
ago. The money arrived safely. I
will use it in the way you wish, but
it will be very difficult to find some-
body to do the drawings. They are
making fancy-prizes for the work
of this kind here now. If I myself
should get into need for anything
I will use some of the money. Many
thanks for your permission. I will re-
pay you by work and specimens. We
are all struggling very badly now here.
The salaries are not one tenth of
the salaries before the war.

I will write soon again.
With best compliments
Yours R. Schlechter.

Ⓐ

355 Commonwealth Avenue, Boston.
November 30, 1923.

My dear Dr. Schlechter:

I suppose it is unkind to be impatient because I do not receive news from you. But the days follow each other, and no word comes from you either regarding your work or your publications.

Why does Dr. Fedde discriminate against me? My set of the Repertorium remains incomplete. I believe the last number reached me last autumn. At the Gray Herbarium they have more recent numbers.

Your paper on Costa Rican orchids has not yet reached me. I am most anxious to have this. Also any duplicates that you can spare at this time. I enclose a dollar bill to pay postage.

In one of your letters you referred to some Cuban novelties that you were bringing out. Please send me a reprint of your paper.

Best wishes to everybody.

Yours sincerely,

(A)

355 Commonwealth Ave. Boston

Dec. 12, 1925

My dear Mr. Schlechter: your letter of the 26 November has just come in. Your paper on Costa Rica includes two not yet correct, but I am looking for it in the next mail. Now, - If you will make up for me a clarifying set of drawings, fragments or amplicates of the newelles and new proposals or critical additions, I will send you one hundred dollars. If this proposition appeals to you, - begin with Pleurothallis, Epistemon and Stelis.

Christmas is coming soon. If this letter reaches you during the holidays, let it stand for the best of good wishes. I enclose a couple of new \$1.00 bills as Christmas cards.

Kind regards to Mrs Schlechter. Mrs. Ames joins me in sending her regards.

Yours sincerely
C. C. Ames

(A)

355 Commonwealth Avenue, Boston.
December 12, 1923.

My dear Dr. Schlechter:

I wrote a hurried note to you this afternoon in which I made a proposition that may not be quite clear to you. What I intended to convey was this: If you will have copies of the drawings of your new species made, and where possible amplify the drawings with flowers or fragments of the types, I will pay you one hundred dollars. Of course, I do not know how much work this proposition would necessitate, because I have not yet received your paper on Costa Rican orchids. But I imagine the sum offered would repay you for the effort and at this time be acceptable. It is possible that you have many duplicates of the new species, and in that case you would be able to satisfy requirements without expense. On the receipt of the drawings of *Epidendrum* and *Pleurothallis*, I would send you the full amount of the proposed sum. Think this over and send me a favorable reply.

Please send over any reprints you may have in hand. Just at present I am wondering where your paper on new Cuban orchids is. I want this very much as I am still interested in the Cuban flora and desire a complete file of your reprints on the orchids of that island.

I enclose another one of the new one dollar bills. I think you will find the design rather attractive. This new plate has only been in use a brief time. I will send you one of the new five dollar bills when I get one. There were no specimens at the bank this forenoon.

Faithfully,

(A)

Dec. 16, '23.

My dear Dr. Schlechter:

Your paper on Costa Rican orchids arrived yesterday. I have only had time to glance through the pages and to make a general survey of the extent of your labors. This is going to be a very helpful publication, if I can every assimilate its proposals and interpret them with your kindly assistance. I have two unfavorable criticisms to offer: 1. I think it was a mistake to treat the different collections under separate headings; 2. The lack of an index is really a sad one.

I am sorry that your remarks under Epidendrum ionophlebium on page 120, indicate that you regard my treatment of your E. Hoffmannii as a breach of trust. Before going to Europe in the summer of 1922, I devoted the greater part of the winter of 1921 to a critical and bibliographical study of Epidendrum, and it was at this time, not after my return from Europe, that I had arrived at the conclusions published in several numbers of Schedulae Orchidianae. Epidendrum ionophlebium and E. Hoffmannii, were studied by myself and Hubbard in connection with a proposed joint work on Mexican Epidendrums, and lie in my herbarium as we treated them in 1921. My notes on the sheet of E. ionophlebium are as follows: "Schlechter seems to have described his E. Hoffmannii from the same material. His description fits very well the drawing of E. ionophlebium in Herb. Reichb.f.-----Ames & Hubbard." "I had no intention of violating a confidence and you will see, if you study my notes, in Sched. Orch. that they were simply written to clarify Epidendrum. I have no desire to forestall you or to use your confidences for publication. If that spirit had governed my work I could have rushed into print with Powell's new species, long before you published your paper, because I had a nearly complete set from the Kew Herbarium in my possession at a time when Powell had given me every reason to be hostile. If I had not known you and if I had not enjoyed your cooperation, I would surely have anticipated your publication, because I was under no obligation to Powell and had every reason to push forward with my work as I was preparing a flora for the U.S. National Museum. Think this over. Life is too short to spend it in a quarrel."

x is to short to spend it in quarrel with things.

Please send me duplicates where possible, of your new species. Send tracings, anyway, and get them to me as soon as you can. I have already made proposals regarding this and I hope you will consider them very favorably.

I enclose a little Christmas card for the children. It may come too late for the 25th, but it will be a remembrance to recall the day.

Yours faithfully,

355 Commonwealth Avenue, Boston, Mass.

March 18th, 1924

My dear Mrs. Schlechter:

In a letter dated 7th, March, just received from Colonel Godfery, I am sorry to learn that your good husband is seriously ill. I hope that his trouble is only temporary and that he will soon be up and about. If there is anything that I can do, please let me know.

Several months ago I wrote several letters to Dr. Schlechter. As I have not had a reply to any of them, I am afraid that Col. Godfery's letter explains the reason for your husband's silence.

Mrs. Amos joins me in sending the best of good wishes. We still bear in mind your kindness to us when we were in Berlin in the summer of 1922.

Yours sincerely,

Edwin O. Ames

OAKES AMES, DIRECTOR.

BOTANIC GARDEN OF HARVARD UNIVERSITY,

CAMBRIDGE, MASS. U.S.A.

Dr. Rudolf Schickler
Berlin-Schöneberg
Neue Culmstr. 5a.

8. April 1928.

Dear Prof. Ames:

Your letter to Mrs. Schickler has arrived yesterday and we thank you very much for your consideration. I had already for some time the intention to write to you. My serious illness and feebleness has been preventing me from doing it before now. However I am recovering now quickly and hope to be able to take up again my regular correspondence.

It was not only the sickness, that gave me the knock-out, but also the whole financial disaster, which made us lose nearly everything that one has had. Artificially with the help of the Government and the Bank the Mark was ^{driven} ~~driven~~ down to one Billion to a goldmark and then only ^{provisional} ~~provisional~~ measures were taken to fix it. This of course has ruined all the people excepting speculators and one had to part with many things. It will take a long time until one is able to recover from this financial ruin.

Now I will try to answer at least some of
your questions. I am missing my specimen of
Amphilobium microphyllum Schreb. for some time all-
ready. I fear I must have mislaid it, but as
soon as I come across it, I will see to get you
a copy made.

Your proposal regarding the Costa Rica-Or-
chids I would gladly accept, but I must ask
you to have a little patience yet. Before I can
get them drawn, I must finish the sketches pro-
perly. This I will do during my vacation in
July. It is very difficult now to get somebody
to do make the drawings. They ask simply incre-
dible prices for such work.

It will interest you to hear, that I have
finished now a big paper on Madagascar-Or-
chids and that I am writing now an Orchid-Treatise
of Rio-Branco de Sul. Have you got my paper
on the Colombian Orchids from Hopp and others?
I sent it to you in February or March.

In May I will start a new distribution of New
Guinea-Orchids. Of course I will then not forget you.

Can not Mr. Powell send me duplicates of
his Panama-Orchids, that he has sent you all-
ready? You would not interfere there with your
work by describing any novelties.

Hoping to hear soon again from you

Yours sincerely
R. Schlechter.

9. June 1924.

My dear Dr. Sues!

I am astonished that I do not hear from you on the 5. April. I have written to you and explained to you my long silence. I have told you that I am going to get my analytical drawings of the last Costa-Rican species fixed up properly in July and that after this time they will be at your disposal. Perhaps you have not got my letter or is there another reason for your silence. Some days ago I have sent you a publication on new Chinese Orchids. My rather comprehensive publication on Madagascar Orchids is in the press at present and should appear about next month, when you will get too a publication on Gymnolobium and Gynerochis, two genera, that have been much misunderstood.

If you will have heard already there is going to appear a new edition of Engler &

Erweit. Pflanzensammlung. I have been asked to do the Orchids for this work and therefore I must ask you now to be kind enough to return to me the manuscript containing the key for the groups and the list of genera as well as the general part for the introduction, which was formerly intended for our proposed "Folia Orchidacea". I am afraid that you are not wishing any more to bring out the "Folia" nor the "List of Orchids" so I must take it into my own hands and try to find a publisher. The key for the groups and the list of genera I badly need for my compilation in the "Pflanzensammlung". So I would be thankful to you, if you would return these manuscripts to me as soon as possible. If you should make any additional remarks, wherever you have found a genus missing, please let me have them, that I can compare them with my own additions, that I have collected during the last three years.

With the best of wishes yours very sincerely
R. Schlechter

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

2. Jan. 1925.

Dear Prof. Aures!

I hope the different publications of mine, that I have sent to you during the course of the last year have reached you properly. You are simply wondering from day to day more and more, what might be the reason, that I do no more get from you neither any letters nor any publications. Have you no more time for Orchidology, or what is the matter or reason, that I do no more hear from, nor get any letters answered.

Since I have overtaken the task, to do (besides some other books) the Orchids for the new edition of the "Floraenfamilien" I would ask you to kindly send me back my manuscript that I had despatched to you as the introduction to the then intended Folia, containing a general part, key of the groups and enumeration of the genera. I had asked you once all ready for this, but I have remained without an answer. You would do me a great favor if you would despatch this manuscript as soon as possible, since I need it very much.

At the same time I would ask you, to return to me the little book, which Cogniaux left to me, and in

he had entered all determinations of the different
American collector. You will remember I lent it to
you, when you were here, that you might get it
copied at home and then return it to me.

My monograph of the Orchids of Europe and
the African and Asiatic Mediterranean-Regions
will soon start to appear. In print I have
got besides the second part of the "Orchidaceae
Perronianae" and an "Orchid-Flora of Rio Grande
do Sul", besides some minor articles.

I hope this letter will reach you in the best
of health and may give a start again to more
regular correspondence.

Yours very sincerely

R. Schlechter.

355 Commonwealth Avenue, Boston, Mass.
January 20th, 1925.

My dear Dr. Schlechter:

I do not wonder at your suggestion that I have given up orchids and my orchidological friends. I have been very much taken up with work foreign to botany and aside from my University obligations, I have found little time for much besides business. The story is a long one, and I must not bother you with it, but to clear away any doubts you may have with regard to my attitude toward you and my many other good friends, it may be well to state briefly what has come into my life since the first of September 1924. My co-trustee in the estate created by my father, suddenly and unexpectedly, committed suicide, about the middle of September. This sad event threw on my shoulders the full burden of business that is essential to my family. I had to begin the disagreeable task of spending most of my time in the city and in offices. What free time I had, was, of course, the property of Harvard University. My own laboratory and my researches in the realm of orchids suffered a sudden termination. Only recently I have been winning opportunities on my own behalf, and within the last two weeks I have found a little time in which to pick up the threads of a much neglected fabric. Let this brief explanation put at rest any fears you may have entertained with regard to my attitude toward you,

I remember the outline of your orchid-system. I think I can locate it without much difficulty. When I discover it I shall forward it to you promptly.

I think you have all of my publications with the exception of a little volume I prepared for the American Orchid Society. This is An Enumeration of the Orchids of the United States and Canada. A copy will be sent to you in the very near future.

I think I am still in need of some of your more recent papers. Please get them to me at your earliest convenience.

May I expect some specimens from you soon? It would seem like the beginning of relationship again if we could exchange a few specimens of critical value.

Yours sincerely,

Dr. Rudolf Schlechter
Berlin-Schöneberg
Neue Culmstr. 5a.

9. Febr. 1925.

My dear Prof. Stuebel!

At last again a few lines from you. Many thanks for them.

What a pity, that this misfortune with the business should have happened to you. I ~~at~~ only hope, that soon everything will be smooth and in order again, so that you can devote more time again to Orchidologie.

I have got several things in print now. For instance the second part of the "Orchidaceae Series" from *Wandlungen* that read an "Orchid-flora of Rio Grande do Sul", besides some other articles on Brazilian Orchids.

As far as I remember I have sent you all my papers, that have come out of late, excepting perhaps a few of which copies are going off with this letter. My "monograph of the Orchids of Europe and the Mediterranean regions" should start to appear during the next month or so.

As soon as I will find again a little leisure I intend to continue again with the distribution of duplicates of Orchids, but I fear, it will

be not before May.

I am anxiously awaiting the arrival of my Manuscript of my Orchid-system and the book with the Orchid-determinations of Sequini, that I lent you for getting it copied.

Have you got of late much material from abroad? Does Mr. Powell send yet many good things? Can you not send me a specimen of your new Peruana-Rolfea? It would interest me very much.

Krauslin is going to publish something on Mar-
devallia, I wonder what it will be like. By his many wrong determination ^{that} I have seen, I fear it is going to be again a general mixture.

For your "Synopsis of the Orchids of the United States and Canada" I will ^{be} thankful. I have read about it already in the Orchid Review.

I am simply overburdened again with work. Lots of collections have come in, but little from Central-America. From Colombia I got some good specimens, but evidently not so much new amongst them.

Hoping to hear soon again from you ~~again~~

Yours sincerely

R. Schlechter.

AMES BOTANICAL LABORATORY

355 COMMONWEALTH AVE.

BOSTON, MASS.

February 14th, 1926.

My dear Mrs. Schlechter:

I can not thank you enough for the tracings of *Stelis* and *Pleurothallis*. These are a valuable addition to my herbarium and give me just the information I need to facilitate my work on the Costa Rican orchid flora. I have a long list of other species regarding which I would like to have similar information. Would it be too much to ask of you, that you have tracings of them made? Without tracings it will be difficult to ascertain the finer details which are essential for satisfactory work. Please help me if you can. I have underlined the species which are most important so that you can select the ones to do first:

<i>Habenaria loatiana</i>	Guatemala.	<u><i>Costaricana</i></u>	Costa Rica.
<i>Cyclopogon miradorensis</i>	Mexico.	<u><i>Viobiantha</i></u>	" "
<i>Sarcoglottis Purpusiorum</i>	"	<u><i>Pleuranthus Bradeorum</i></u>	" "
<i>Phycurus parviflorus</i>	"	<u><i>Cranichis Alfredii</i></u>	" "
<i>Microstylis guatemalensis</i>	Guatemala	" <u><i>Curtii</i></u>	" "
" <i>Reichei</i>	Mexico.	<u><i>Conthium costaricensis</i></u>	" "
<u><i>Pleurothallis coccoloba</i></u>	Guatemala	<u><i>Parvostyles auriculata</i></u>	" "
<i>Encyclia Purpusii</i>	Mexico.	<u><i>Lisaris fratrum</i></u>	" "
<i>Basiphyllaea angustifolia</i>	Cuba.	<u><i>Lepanthes ciliifolia</i></u>	" "
<i>Corallorhiza fimbriata</i>	Mexico.	<u><i>Cotomeria costaricensis</i></u>	" "
<i>Odontoglossum Purpusii</i>	"	<u><i>Epidendrum baculibulbum</i></u>	" "
<i>Leicochilus ampliflorus</i>	"	<u><i>Rodriguezia compacta</i></u>	" "
<u><i>Homalopetalum costaricense</i></u>	Costa Rica.	<u><i>Conoglossum convallarioides</i></u>	Costa Rica
<u><i>Miltonia stenoglossa</i></u>	" "	<u><i>Sobralia neesii</i></u>	" "
<i>Oncidium Titania</i>	Costa Rica.	<u><i>Lilienthus poliformis</i></u>	" "
" <i>Tonduzii</i>	" "	<u><i>Lepanthes inornata</i></u>	" "
<u><i>Ornithidium aurantiacum</i></u>	Costa Rica.	<u><i>Maxillaria malicolenis</i></u>	" "
<i>Notylia Turrialbae</i>	Costa Rica.	<u><i>Camaridium simile</i></u>	" "
<i>Fregea Wercklei</i>	Costa Rica.	<u><i>Systeloglossum costaricense</i></u>	" "
<i>Habenaria Amparosa</i>	" "	<u><i>Campylocentrum acutum</i></u>	" "
" <i>verocunda</i>	" "	<u><i>Lepanthes Jimenezii</i></u>	" "
" <i>wercklei</i>	" "	" <u><i>pubilabia</i></u>	" "
<u><i>Cranichis costaricensis</i></u>	Costa Rica.	<u><i>Acostaea costaricensis</i></u>	" "
<i>Encyclia Purpusii</i>	Mexico	" <u><i>pleurothalloides</i></u>	" "
<u><i>Maxillaria lactea</i></u> (with flower)		<u><i>Pastromia Tonduzii</i></u>	" "
" <i>acutifolia</i>		<u><i>Hexadesmia Acoptaea</i></u>	" "
" <i>Albertii</i>		<u><i>Ranonia pulchella</i></u>	" "
" <i>rubrilabia</i>		<u><i>Teliopogon gracilipes</i></u>	" "
<i>Masdevallia reflexa</i>		<u><i>Epidendrum Alfredii</i></u>	" "
<i>Epidendrum trianthum</i>		" <u><i>pseudo-Vallisii</i></u>	" "
" <i>notabile</i>			

AMES BOTANICAL LABORATORY

355 COMMONWEALTH AVE.

BOSTON, MASS.

Epidendrum quinquelobum
 " subviolaceum
 " oxyglossum
 " sermiferum
 Liparis eustachys
 Cladobium costaricensis
 Gongora costaricensis
 Habenaria Irazuensis
 Lepanthes microglossis
 Barbosella Bradeorum
 Sobralia Bradeorum
 Encyclia Brenesii
 Dichaea acroblophara
 " Amparouana
 " costaricensis
 " poicillantha
 Cycnoches Amparouana
 Maxillaria Amparouana
 " brachybulbon
 Camaridium Amparouana
 " Wercklei
 Ornithidium stenophyllum
 Camaridium Bradeorum
 Dichaea Bradeorum
 Sobralia neglecta
 Microstylis Brenesii
 Barbosella Brenesii
 Mormodes stenoglossa
 Catasetum Brenesii
 Cryptocentrum gracillipes
 " latifolium
 Trichocentrum Brenesii
 Oncidium Brenesii
 " paleatum
 Habenaria gymnadencoides
 " Androsiana
 Lepanthes acostaeci
 Cryptophoranthus pectinatus

Epidendrum Brenesii
 " leprosum
 " platytilum
 Kefersteinia parvibraris
 " Wercklei
 " alba
 Gramichis irazuensis
 Dichaea Wercklei
 Platystelo lancilabris
 Scaphyglottis bilobulata
 Encyclia Fenduziana
 Ionopsis costaricensis
 Lockhartia digleura
 Lepanthes abnormis
 Conthiova formosa
 Isochilus Amparouana
 Gongora Amparouana
 Elictrum bivalvatum
 Chysis tricostrata
 Cycnoches pauciflorum
 Tycaste Bradeorum
 Pescatorea costaricensis
 Seelochilus aureus
 Campylocentrum multiflorum
 Eleocharis Albertii
 Lepanthes apiculifera
 " Brenesii
 " renonensis
 Camaridium simile
 " Brenesii
 Ornithidium neglectum
 " renonense
 Dichaea Brenesii
 " ovatilobata
 " oxylosa
 Goodyera micrantha
 " ovatilabia
 " turrialbae
 Sobralia Pfavii

I hope you will feel that you can help me with this very large task. If you find that you can I shall be pleased to reimburse you for your time and labor

With the very best of good wishes, and with many thanks for what you have already done for me,

Yours sincerely,

Alexandra Schlechter, Berlin, Germany.

25. 6. 1926.

My dear Mr. Ames!

Many thanks for your kind letter from May the 9th

As I saw that you would have liked to continue the exchange of Costa-Rica duplicates, I have given your letter to the Botanical Museum from where they have written to you directly. I hope they will try to fulfill your wishes. Your letter I got back only to-day, so I can only now answer it.

Of the New-Guinea Orchids I have got many a packet lying, some of them have got tickets, some not. Until now I was afraid to touch them and to make perhaps a mess between them but after summer-vacations (in July) I will try to find out what was not sent to you yet and try to do my best to satisfy you. Doubtlessly many a parcel of duplicates will be lost for meeting of Dr. Schlechter's determinations,

to them. This work with the duplicates I will have to do as soon, as I ~~will~~ have returned to Berlin, because I am not able to keep our rooms for myself. The small sum of money the state gives to me is nothing to live on and to bring two children up. Being a Russian without German education I have got it much harder yet.

I am very, very glad to hear the first trainings reached you safely and have found your approval. I hope by now you have received the second letter with the rest of the drawings. I am happy, having been able to do something for you too.

With my very best wishes for you and your family

Yours truly

A. Schlechter.

28.10.1927.

Dear Mr Ames!

We want now to
look the New-Guinea Orchid-
duplicates through and I would
be glad to hear soon from
you what ^(series) you have got already
from Dr. Schlechter and what
you want to have yet. Did you
get the publications you wanted
me to send you?

With best wishes for Easter
to you and Mrs Ames

Yours sincerely

H. Schlechter

Abfender: *G. Schuchter*

Wohnort: *Berlin-Schönberg*

Straße, Hausnummer,
Gebüdetteil, Stodtwert

Neu Culmb. 59

Postkarte

**FRANKFURT
FRÜHJAHR-SM. 1922**

27-30. MÄRZ



Mr. James Ames

225 Bay State Road

Boston (Mass.).

in

U. S. A.

Straße, Hausnummer,
Gebüdetteil, Stodtwert



(5-20)

C 154 Din 476

Index of species actually wanted.

- Platanthera guatemalensis* S.
Habenaria dippleura S
 " *Jimenezii* S
 " *latipetala* S
 " *platanthetoides* S
 " *quinquefila* S
 " *spithamaea* S
 " *tetianema* S
Pogonia debilis S
 " *nitida* S
Vanilla Pfaviana Reichb. f.
 " *Pittierii* S.
Sobralia Bletiae Reichb. f.
 " *epiphytica* S
 " *Fenzliana* Reichb. f.
 " *labiata* Warsc. & Reichb. f.
 " *lepida* Reichb. f.
 " *Lindleyana* Reichb. f.
 " *macrophylla* Reichb. f.
 " *pleiantha* S
 " *toseo-alba* Reichb. f.
 " *suaveolens* Reichb. f.
 " *Warscewiczii* Reichb. f.
Elleanthus Brenesii S
 " *glaucophyllus* S
 " *hymenophorus* Reichb. f.
 " *laxus* S.
 " *Tonduzii* S.
Epilyna Jimenezii S.
Pseudocentrum Hoffmannii Reichb. f.
Solenocentrum costaricense S.
Stenoptera costarecensis S
Cranichis guatemalensis S
 " *nigrescens* S
 " *Pittierii* S
 " *reticulata* S
 " *subcordata* S
Ponthieva parvula S
 " *pulchella* S
Pelexia guatemalensis S.
 " *longipetiolata* (Reichb. f.) S
Spiranthes aguatatensis Reichb. f.
 " *assurgens* Reichb. f.
 " *Bradei* S
 " *Brenesii* S
 " *cobanensis* S
 " *ensifolia* Reichb. f.
 " *gyttersosa* Reichb. f.
 " *hendufensis* S
 " *nutantiflora* S
 " *prasophylla* Reichb. f.
 " *epiphytica* S
 " *pulchra* S
 " *acceptrodes* Reichb. f.
 " *thelymitra* Reichb. f.
 " *Smithii* Reichb. f.
 " *Richardiana* S
 " *Tuerckheimii* S
 " *Wercklei* S
Sauriglossum nigticans S
Physurus calophylla Reichb. f.
 " *claviger* Reichb. f.
 " *humidicola* S
 " *Lehmannii* S
 " *loxoglottis* Reichb. f.
 " *luniferus* S.
 " *nigrescens* S
 " *stictophylla* S
 " *tridax* Reichb. f.
 " *trilobatus* S
 " *Tuerckheimii* S
Microstylis acianthoides S
 " *Adolphi* S
 " *blephariglottis* S
 " *brachyrrhynchus* Reichb. f.
 " *Carpiterae* S
 " *cordata* Reichb. f.
 " *crispifolia* Reichb. f.
 " *Ehrenbergii* Reichb. f.
 " *Microstylis hastilabia* R. f.
 " *Javesiae* R. f.
 " *lagotis* R. f.
 " *lepanthifolia* S
 " *linguella* R. f.
 " *microtoides* S
 " *minutiflora* S
 " *pandurata* S
 " *Pittieri* S
 " *similima* R. f.
 " *Tonduzii* S
 " *Tuerckheimii* S
 " *Wercklei* S
Liparis Andochilus S
 " *arnoglossophylla* R. f.
 " *Wendlandii* R. f.
Scaphosepalum alasmatopus S
 " *panamense* S
 " *Pittieri* S
Masdevallia astuta R. f.
 " *attenuata* R. f.
 " *chontalensis* R. f.
 " *cyathogastra* S
 " *diantha* S.
 " *ecaudata* S.
 " *flaveola* R. f.
 " *guatemalensis* S
 " *Johannis* S
 " *lata* R. f.
 " *Livingstoneana* Roezli & R. f
 " *marginella* R. f.
 " *odontochila* S.
Cryptophoranthus gracilentus (R.f) Rolfe
Stelis aemula S
 " *Bernoulli* S
 " *bidentata* S
 " *Bourgeauri* S
 " *Bradei* S
 " *Bruchmuelleri* R. f
 " *Carioti* S
 " *chiriquensis* S
 " *cinerea* S
 " *costaricensis* S
 " *cleistogama* S.
 " *colloglossa* S
 " *confusa* S
 " *conmixta* S
 " *Cooperi* S
 " *costaricensis* R. f.
 " *curvata* S
 " *deceptans* S
 " *effusa* S
 " *fulva* S.
 " *Endresii* R. f.
 " *glossula* R.f.
 " *guatemalensis* S.
 " *hymenantha* S
 " *Jimenzii* S.
 " *leucopogon* R. f.
 " *Liebmannii* R.f.
 " *Maxonii* S.
 " *microchila* S
 " *microstigma* R.f.
 " *microtis* R.f.
 " *nutantiflora* S
 " *obscurata* R.f.
 " *ovatilabia* S
 " *oxypetala* S.
 " *panamensis* S
 " *pardipes* R.f.
 " *longicuspis* S
 " *rhodochila* S
 " *rubens* S.
 " *sarcodantha* S
 " *tenuissima* S.
 " *Tonduzii* S
 " *Tuerckheimii* S.

- ~~Stelis thecoglossa R.f.~~
- ~~Lepanthes acuminata S.~~
- " ~~blepharistes R.f.~~
- " ~~blephariglossa S.~~
- " ~~Bradei S.~~
- " ~~eciliata S.~~
- " ~~elata R.f.~~
- " ~~erinacea R.f.~~
- " ~~guatemalensis S.~~
- " ~~humida R.f.~~
- " ~~inaequalis S.~~
- " ~~Lindleyana R.f.~~
- " ~~Maxonii S.~~
- " ~~oreocharis S.~~
- " ~~Schiedei R.f.~~
- " ~~scopula S.~~
- " ~~stenophylla S.~~
- " ~~tipulifera R.f.~~
- " ~~Tuerckheimii S.~~
- " ~~turalbae S.~~
- " ~~Wendlandi R.f.~~
- " ~~Wercklei S.~~
- ~~Platystele~~ ~~XXXXXXXXXX~~ ~~bulbinella S~~
- ~~Pleurithallis abbreviata S.~~
- " ~~acutipetala S.~~
- " ~~Bernoullii S.~~
- " ~~bifalcis S.~~
- " ~~bilamellata R.f.~~
- " ~~cabellensis R.f.~~
- " ~~cardiothallis R.f.~~
- " ~~Carioi S.~~
- " ~~cochlearis R.f.~~
- " ~~cohanensis S.~~
- " ~~Cogniauxiana S.~~
- " ~~dolichopus S.~~
- " ~~myriantha Lehm. & Krzl.~~
- " ~~endotrachys R.f.~~
- " ~~formosa S.~~
- " ~~Fuegii R.f.~~
- " ~~fulgens R.f.~~
- " ~~jungermanniodes S.~~
- " ~~incompta R.f.~~
- " ~~Krameriana R.f.~~
- " ~~lamprophylla S.~~
- " ~~Lancilabris S.~~
- " ~~lasiosepala S.~~
- " ~~latdritia R.f.~~
- " ~~leucantha S.~~
- " ~~listerophora S.~~
- " ~~lyroglossa S.~~
- " ~~microtatantha S.~~
- " ~~muricata S.~~
- " ~~narangensis R.f.~~
- " ~~nicaraguensis R.f.~~
- " ~~Niederheimi S.~~
- " ~~ornata R.f.~~
- " ~~oxyglossa S.~~
- " ~~pedicellaris S.~~
- " ~~perpusilla S.~~
- " ~~Pfavii R.f.~~
- " ~~phyllocardia R.f.~~
- " ~~Pittieri S.~~
- " ~~pyrsodes R.f.~~
- " ~~Scheidii R.f.~~
- " ~~Schulzeana S.~~
- " ~~segoviensis R.f.~~
- " ~~sororia S.~~
- " ~~tenuissima R.f.~~
- " ~~Tonduzii S.~~
- " ~~villipenas R.f.~~
- xerophila S
- ~~Restrepia Dayana R.f.~~
- " ~~ujarensis R.f.~~
- " ~~Xanthophtalma R.f.~~
- Octaneria
- Hartwegia Bergeriana S
- Coellia bella R.f.
- " ~~guatemalensis R.f.~~
- ~~Hexadesmia bifida R.f.~~
- " ~~rhodoglossa R.f.~~
- " ~~sessilis R.f.~~
- " ~~stemopetala R.f.~~

- ~~Scaphiglottis albida S.~~
- " ~~Behrii Bth. (Ponera R.f.)~~
- " ~~bilineata S.~~
- " ~~cuneata S.~~
- " ~~Jiminzii S.~~
- " ~~macroglossa S.~~
- " ~~pauciflora S.~~
- " ~~Purpusii S.~~
- " ~~subulata S.~~
- " ~~unguiculata S.~~
- Tetramagestus gracilis S
- ~~Hexisea imbricata R.f.~~
- ~~Ponera striolata R.f.~~
- ~~Isocbilus alataus S.~~
- Epidendrum abbreviatum S.
- " aberrans S
- " acrachordomium S
- " anoglossum S
- " Barbae R.f.
- " Bourgeaurii S
- " caligarium R.f.
- " campylostalis R.f.
- " cardiophorum S.
- " centropetalum R.f.
- " cerinum S
- " chlorops R.f.
- " criniferum R.f.
- " Deamii S.
- " delicatissimum R.f.
- " dolichoostahyum S.
- " eburneum R.f.
- " exasperatum R.f.
- " favoris R.f.
- " firmum R.f.
- " flavovirens R.f.
- " flexicaule S.
- " Gomezii S.
- " graticiosum R.f.
- " Henrici S.
- " incomptum R.f.
- " insulanum S
- " inophlebium R.f.
- " Karwinski R.f.
- " Langlassii S.
- " leucomelanum R.f.
- " madrensi S.
- " magnificum S.
- " majale S
- " meliosmum R.f.
- " microdendron R.f.
- " myodes R.f.
- " nutens R.f.
- " nubium R.f.
- " octomerioides S.
- " Oerstedii R.f.
- " pachycarpum S.
- " pallens R.f.
- " palpigerum R.f.
- " panamense S.
- " pansamalae S
- " papyriferum S
- " paranthicum R.f.
- " paucifolium S.
- " pentadactylum R.f.
- " pergamineum R.f.
- " Pfavii R.f.
- " physodes R.f.
- " piestocaulon S
- " piliferum R.f.
- " platystima R.f.
- " polychlamys S
- " pratense R.f.
- " prostratum S
- " ptyclothece S
- " resectum R.f.
- " Roysseauae S
- " schulptum R.f.
- " Schumannianum S.
- " Selaginella S
- " simile S
- " singuliflorum S.
- " spondiadum R.f.
- " Stangeanum R.f.
- " strophinx R.f.

S. lamprophylla R.f

S. papay R.f.
1911

S. scriptum R.f

- Epidendrum subuliferum* S.
 " *teres* R.f.
 " *tenuiflorum* #.
 " *tetraceros* R.f.
 " *trachytheca* S.
 " *turalvae* R.f.
 " *urostachium* S.
 " *verrucipes* S.
 " *Vaeje* R.f.
 " *Warszewiczii* R.f.
 " *Wercklei* S.
Barkeria barkeri R.f.
 " *cyclotella* R.f.
 " *nonchinensis* S.
 " *Vanneriana* R.f.
Encyclia adenocaulon S.
 " *beligense* (R.f.) S.
 " *meliosma* (R.f.) S.
 " *panthera* (R.f.) S.
 " *phymatoglossa* (R.f.) S.
 " *ramonensis* (R.f.) S.
Diacrium bigebberosum (R.f.) Hems.
Laelia wendlandii R.f.
Schomburgkia chinodora R.f.
Brassavola rhipalorrhichis R.f.
Pinelia pumilio (4.f.) S.
Myracylum trinastium R.f.
 " *wendlandii* R.f.
Polystachya lineata R.f.
Bulbophyllum aristata (P.f.) Hems.
 " *Oerstedii* R.f.
 " *sordidum* (R.f.) Lindl.
 " *vinosum* S.
Govenia deliciosa R.f.
Mormones colossus R.f.
 " *lobulatum* Schltr.
 " *Skinneri* R.f.
 " *wendlandii* R.f.
Catasetum dilectum R.f.
 " *Oerstedii* R.f.
 " *tricolor* R.f.
 " *tricolor* R.f.
 " *tricolor* R.f.
Coeliopsis hyacinthosma R.f.
Sievkingia suavis R.f.
Lacaena spectabilis (Kl) R.f.
Aceneta cryptodonta R.f.
Houletia lansbergii Lind. et R.f.
Polycygnis barbata R.f.
 " *gratiosa* Endres et Rf
Congora armeniaca R.f.
 " *aromatica* R.f.
 " *cassidea* R.f.

Stanhopea calceolus R.f.
 " *cymbiformis* R.f.
 " *gibbosa* R.f.
 " *Mariae* R.f.
 " *Schillariana* R.f.
Coryanthes picta R.f.
Lycaste dowiana Endres et R.f.
 " *macropogon* R.f.
Xylobium brachypus (R.f.) Hems.
 " *stachyobium* (R.f.) Hems.
Kefersteinia costaricensis S.
 " *lactea* R.f.
 " *stapelioides* R.f.
Warszewiczella aromaticum R.f.
 " *marginata* R.f.
 " *wendlandii* (R.f.) S.
Maxillaria acervata R.f.
 " *caespitifica* R.f.
 " *cobanensis* S.
 " *stenostachys* R.f.
 " *Endresii* R.f.
 " *Friedrichsthalii* R.f.
 " *heraldica* R.f.
 " *inaudita* R.f.
 " *microphyton* S.
 " *nasuta* R.f.
 " *pachyacron* S.
 " *Reichenheimiana* R.f.
 " *ringense* R.f.
 " *Rousseauae* S.

Maxillaria stenostele S.
 " *turalvae* S.
 " *vaginalis* R.f.
Canaridium Biolleyi S.
 " *costaricense* S.
 " *imbricatum* S.
 " *dendrobioides* S.
 " *imbricatum* S.
 " *Jiminzei* S.
 " *minus* S.
 " *nutantiflorum* S.
 " *pulchrum* S.
 " *Tonduzii* S.
 " *Tuerckheimii* S.
Ornithidium anceps R.f.
 " *bvacteatum* S.
 " *costaricense* S.
 " *fulgens* R.f.
 " *paletum* R.f.
 " *parvulum* S.
 " *Tonduzii* S.
Trigonidium Seemanni R.f.
Cryptocentrum calcaratum S.
Trichocentrum calceras Endes et R.f.
 " *capistratum* Lind. et R.f.
 " *orthoplectron* R.f.
 " *Pfavi* R.f.
 " *porphyrio* R.f.
 " *tigrinum* Lind. et R.f.
Rodriguezia leocchilina R.f.
Cohniella quekettoides (R.f.) S.
Notylia Bernouillii S.
 " *pentachne* R.f.
 " *Pittierii* S.
Aspasia papilionacea R.f.
Trichopileat turalvae R.f.
Odontoglossum majale R.f.
 " *oliganthum* R.f.
Brassia chlorops Endres et R.f.
 " *Gizecudiana* R.f. et Warsc.
 " *longissima* S.
 " *neglecta* R.f.
Leochilus major S.
Oncidium ansiferum R.f.
 " *bryolophotum* R.f.
 " *cabagrae* S.
 " *ceribriferum* R.f.
 " *confusum* R.f.
 " *costaricense* S.
 " *caesium* R.f.
 " *guatemalense* S.
Johannis S.
 " *glossomytax* R.f.
 " *megalous* S.
 " *ochmatochilum* R.f.
 " *Oerstedii* R.f.
 " *holochrysum* R.f.
 " *pelioграмма* Lind. et R.f.
 " *Pittierii* S.
 " *polycladium* R.f. ex Lindl.
 " *salvadorensis* S.
 " *stelligerum* R.f.
 " *stenotis* R.f.
 " *Tonduzii* S.
 " *tricuspidatum* R.f.
 " *turalvae* S.
Sigmatichilus guatemalensis S.
 " *hymenantha* S.
Cryptarrhena guatemalensis S.
Ornithocephalus MEXXKX elaphas R.f.
 " *Tonduzii* S.
 " *tripterus* S.
 " *xiphochilus* S.
Telipogon Biolleyi S.
Lockhartia amoena Endres et R.f.
 " *chiriquiensis* S.
 " *costaricensis* S.
 " *micrantha* R.f.
 " *mirabilis* R.f.
 " *Oerstedii* R.f.
 " *Pittierii* S.
 " *robusta* S.
Dichaeopsis brachypoda (R.f.) S.
 " *Oerstedii* (R.f.) S.
 " *Epithecis* S.
 " *trulla* (R.f.) S.