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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

1/17/25

At. H. House
Amherst, Mass.
Jan. 17 '25

Dear (☼):

I found your cake waiting for me when I got back from my vacation. It was cake to the ^{nth} degree, as you doubtlessly know from experiences caused by your ravenous appetite.

We have just started on the winter term. My subjects are:

Eng 26, 29, Ag. Ec, Ag. Ed, Am. Gov't, 300, and Phil. I recently passed off that Chem. condition from last year's escapade (in which I failed to permanently subdue you). Paul Serex gave me the final and I came out very successful.

Did you know that Doc. Cranston is planning to tour to Calif. by machine next summer? He is going to take Basil Freedham with him for his chauffeur.

I believe Doc. intends to travel all summer by the "squatting" method. He said if he liked a certain place he would linger around it a while and then go on again. He has no aim in view except that he desires to travel over the U. S., by machine. He plans to depart as soon as school closes.

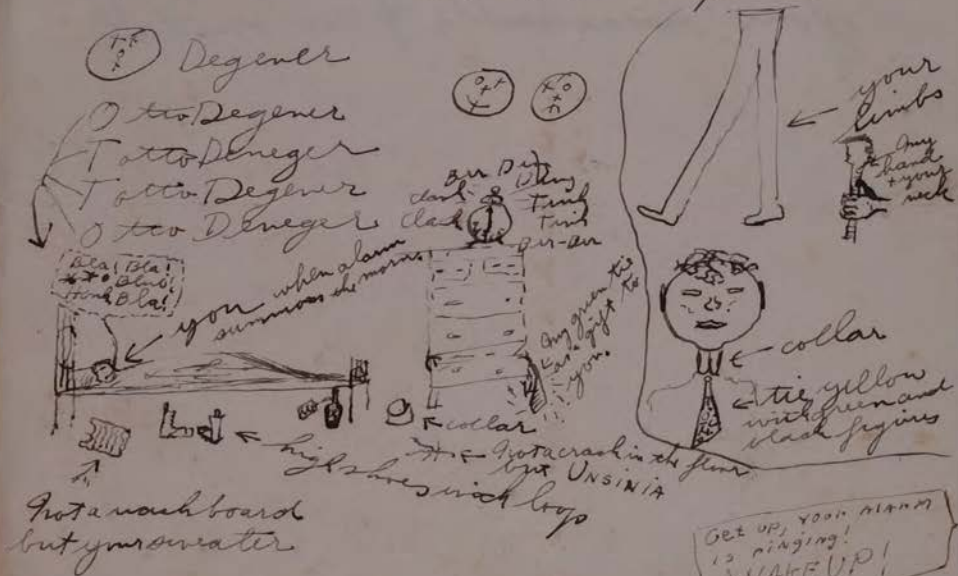
There is a fellow from the U. of Hawaii studying sugar chemistry here. He intends to stay here two yrs. and then finish up at his U. of H. Among his acquaintances is Judge Banks. Many of the photos which this chap showed me, are identical to some of yours.

If I don't have better luck than I have had thus far, I will probably be unable to make the trip with you. At the same time I never give up hope as long as there is life, because I want so badly to go with you. An interesting incident took

place a few weeks ago when Doc.
Crampton, with the aid of several
seniors, tried to establish a
course in "Significance of the
Fine Arts". An appeal was made
to Pres. Lewis, but ^{it} was squelched.
The advocates were much peeved,
and a general feeling of contempt
bids between the agriculturists
and the promoters of cultural
subjects.

I'll close and read 300.

From
Mrs. Thompson



Do you still have to dilute
the bad water to get it to fit into a pipe?

Wordarium ab Toto Deger

1. Dye, squealunk.
2. But that's sarhat interests me
don't you see.
3. yyp! yyp!
4. That's just the question, Dye.
5. Don't forget your alarm clock! Dye!
6. Lychrodium
7. Here, drink some milk, you.
8. I'll tell my sister!
9. I'll flunk you!! - I'll flunk you!!

P.S. I haven't heard you speak for so
long a time, that we forgotten many
of your characteristic exclamations.

3/8/25

M. A. C.
Mar 8 25Dear ^{to L} P.:

I have decided that it is unwise for me to attempt a trip to Hawaii because of the lack of money to fall back upon if I am taken ill or get into any sort of accident. Nevertheless I will go as far as Calif. so to take care of you and the machine. I will return with Doc. and Greedham, since Doc. has asked me to do such. Recently he has been fearing he will be able to go only so far as Montana. He is anxious for me to write you and find what you think of the expedition. I told him you probably wouldn't want to go from Montana to Calif. alone, and then he said you could sell your bus in Montana and go the remainder of the way

by train.

We both would like to hear from you as soon as possible so Doc. can know what to plan on.

Nothing much has happened except Doc. Henscomb and Mary T. Boyd are engaged. I suppose you have already heard of it.

Hoping to hear from you soon

Yours
Mr. Thompson

Pickwick Arms,
3224 Grand Concourse,
New York City
Feb. 5, 1925.

Dear Dr. Torrey:

I intended to write to you today and then when I reached home I found your letter. Dr. Axel has been writing up notes on recently extinct or rediscovered plants. I told him about a certain sedge (now unknown to me) that grew only in a section of Canada (now unknown to me, but not when I took your course) on a definite fragment of geologic formation (unknown to me). This sedge became extinct when a 5 to 10 room house was built upon the above formation. I have just looked through my notes and find that I have not even the sedge's name. Dr. Axel's interest is aroused and he wants data on the above. Will you refer to your notes and send me the data by postal with citations of original documents if you happen to have them. Carl Axel Nydberg wants it very much and that is why I am bothering you now.

I am awfully sorry to hear about Perry. I cannot quite understand him & his family unless it is merely passive resistance to false fate which becomes actual fate indeed if you do not act when plain warning comes. It seems to be the same old story that I know from my mother - blind optimism and passiveness in spite of the knowledge as to how to cure oneself. You too have that tendency and will criticise me for being cowardly and running away from trouble.

Arizona is desirable but I believe hardly necessary. My cousin had the same trouble some years ago and was carried to Saranac on a stretcher. From there he went to Lake Wood, New Jersey and is now practically cured.

I don't want to butt into anyone else's affairs but why can't you do something active for Perry if his family is unable or too stupid to do it? It cannot cost much more to live in Arizona than to live in Mass. Could he not get some position there? Perhaps your brother in Colorado might know of something.

I am writing you all of this because I cannot understand why he can't go to Colorado if he really has made up his mind to do so. This might be a suggestion: Dr. Rydberg has been complaining to me that he has not been in the field for at least ten years. He wants to collect in the Colorado region by the auto-camping method. But he cannot go alone, nor can he drive his car all the time because of his lameness. He can find no one who would go out on such a trip with him and is therefore almost ready to give up hope of ever going on a field trip again. He states that if he does not go soon he will be ~~too~~ too old and his chance will be past (in this incarceration anyway). If I were not to live in Hawaii in the future, I would like to arrange to go with Rydberg myself. (I believe Rydberg can find no companions because they fear his lameness would hinder their own collecting.) Can't you manipulate a little and try to get Perry and Rydberg together. Rydberg's lameness would just aid Perry's recuperation. To try to manage such an excellent combination is just as much fate as to do nothing at all.

Rydberg would want to collect for almost all summer. If Harry Johnson by collecting herbarium specimens has been able to keep his wife and child from starvation, could not most people do the same? Of Goodale is so crazy about plants could you not get him to ~~help~~ help to pay for a collector in the field out West. It is quite possible that the New York Botanical Garden would also contribute, and probably Gray's Herbarium. A few herbaria in Europe and a few more in Botany might also buy sets, especially if Rydberg started the ball rolling and made ^{any} new species out of every five plants he finds. I really do not see why enough institutions might not be found when you consider the different botanists you have met - most of them at different colleges - to keep one man collecting in different parts of the West for several years.

Day before yesterday a Cornell student

alumnus was talking with Rydberg. He said he wanted to go out West to collect but that it is so hard to get a man ^{along} who is interested in Botany and therefore willing to stop for any length of time at one spot.

If our plan for going West falls through, there may be hundred others. I don't want to arouse any false hopes, ^{however}. ~~As I~~ I got wound up on this, I finished it completely knowing that what I said will not hurt anyone as long as he does not know anything about what I have written. Otherwise it would be as embarrassing for me as for him.

Finis

Oth Degener

Guertum Gueman

Now that you eat at Mrs. Learning's, I hope she is a firm believer in Mon. Sebastian Kneipp. His name sounds as though Orson Clark must have met him.

Pickwick Arms,
3224 Grand Concourse,
New York City.
March 10, 1925.

Dear Awtha Richard:

I am sorry to hear that Dr. Crampton cannot go farther than Montana, and that you cannot go to Hawaii. I agree with you, however, that it were wiser to stay on the continent and postpone your Hawaii trip until after you have gone through Harvard. The rate of tuition for their Business School, by the way, has risen from 400 to \$500.

It certainly is good of Dr. Crampton to invite you to ride back with him. No matter what I do, you should accept because that will not only prolong your fun but save carfare as well. I do want to ride all the way to Los Angeles, ^{or San Francisco} and I would of course like you to accompany me. If I only knew when college closes and the date when Dr. C., Needham, and you are ready to leave I could make a tentative plan. PLEASE WRITE ME THAT BY RETURN MAIL. I must know that date so that I dollars in rent for my sister and for me. I am ready to leave at any time - the earlier, the better.

If Dr. Crampton could stay in Montana for two weeks or so, we two might have sufficient time to reach the coast. You could then take a train back to Montana and there continue your homeward journey with Dr. Crampton. I cannot tell you anything more until I get facts from you and from Dr. Crampton. Please answer the following questions and send me your reply immediately.

1. When is the last day of M.A.C. Commencement. (Look it up in catalogue.)
2. When are Dr. Crampton, Needham, and you ready to leave Amherst.
3. What kind of auto-license have you.

3/12/25

A. RICHARD THOMPSON
LAMBDA CHI ALPHA HOUSE
AMHERST, MASS.

Mar 12, '25
7 A.M.

Dear ^{ot} + :

I'm saving my pennies,
as Doc. C. would say, for
the trip — but don't faint
if anything happens that I can't
save enough tags on! I'm
doing my darndest and am
keeping perfect faith in the ship.
College ends on June 15th.
Doc. will be ready to leave
on June 17th at least. So will
Beckham and I. There is
only one kind of automobile
licence in the state of Mass.

and that is what they term
an "Operator's" license. I
can get one in a week's notice by
merely going to the nearest city
and taking the driving test
before an inspector.

I believe Doc. is willing
to rest a while in Montana
if it became possible for
me to return there from Calif.
by train.

How much more don't
you know Pruhser?

From
Mr. Thompson

3/18/25

New York Botanical Garden,
Bronx Park, New York City.
Tuesday
March 18, 1935

Copy

Dear Dick:

I may get a second (or if necessary a first) hand Dodge Sedan for our trip out West. I believe the Dodge Company makes a car especially adapted for campers and this is what I would like to get if possible. I will inquire about this as soon as possible and then let you know about developments.

I found out that your auto driver's license is absolutely worthless if the car that I buy is registered in New York State. For such a car you require a New York State license. It may be possible for me, however, to buy the car in New York City but register it in Massachusetts so as to conform to your Massachusetts license. If not, I must have a visit from you, possibly around Easter, when you might take your driver's examination in New York City. You could live at my apartment for that time, so as to have room, ^{and get four quarters sleep in the bath tub a fitting place} I ~~will~~ could ask my sister to vacate for a few days and live with one of her friends. I will try

let you know about that also as soon as possible.

I hope you are saving your pennies diligently. I imagine you eat but one meal per week to economize and go to class wearing a grass skirt for the same reason. Our arrangement for this trip will have to be the following: I furnish the car, gas and oil, repairs and my own food while your expense will be the food you eat. I imagine we will be able to keep from starvation at a moderate outlay of cash. At any rate, it should not cost more than your food at college - or at any rate but a little more.

I have just written Dr. Crampton and will send off some literature to him in regard to the trip. This should arrive about a day after you receive this letter. I would advise you to go to Dr. Crampton & look the thing over with him. Please see to it that I get this literature back again. I wish to study it out a little more.

Yours,

C.D.

3/21/25

510 W. Center St.
Cochesett.
Mar 21 '25

Dear ☺:

Arrived home last night
to stay until Mar 30th. Since
the scientists announce the arrival
of spring I have fair prospects of
enjoying balmy weather on the
river.

Doc. tells me you intend to
purchase a Dodge with which to
cross the continent. You can be
positive of making no mistake if
you do so. I have talked with
numerous parties who have made
the trip and they stand unanimously
for the Dodge.

In reference to the license,
I am having my father talk with
one of the officials on registering vehicles.
He will find whether a Mich. license
will cover a N.Y. registered car or not.

Are you going to get a new
machine or a second-hand one?
I'll close now so my folks
can take this note to Brakton.

yours
Orr Thompson

P.S. Write me.

3/25/25

Coghessett
Mar 25 '25

Dear Totto:

I have spent the day scraping up information as regards the Overland and find that it is a car worth the price paid, but of course is not in the same class as the Dodge. A grocer, who live near by, uses an Overland for delivering goods. He says he overloads it, runs it through these terrible country roads, and takes no care of it, nevertheless he hasn't bought a repair since the car has been in his possession and it was second handed when he purchased same. That sounds well to me, doesn't it to you? Other people speak well of it while none throw it down. As regards power (one of the most important factors) the grocer says you can't "hold it down." Considering expense, you save on the initial outlay, on gas, oil and tires. Those are the primary factors in expense. You also save \$150 which would be necessary to break down any other make ready for sleeping purposes.

Also there is a small trunk already installed on the Overland camper's model, but that size and type trunk might not fit your needs.

In short, since you intend to keep the car, I would advise you to buy a new Overland because of its economical motor. It won't eat up much gas or oil and it will serve you every purpose.

Now that I have given you advice (which you probably will not heed) I will now proceed to educate you. The following article of utility will be absolutely necessary for an individual of your character:

1. Two bath tubs, with accessories (pumice stone)
2. Roll of white cardboard 4 in. wide (collars)
3. A hat (pick it out yourself, the homelier the better)
4. A crate of engraved name cards (drop them along the road, it's sure to make you famous)
5. Plenty of underclothes (so you can undress and run after gas when you get stuck)
6. My green necktie
7. An alarm clock.
(alarm)

As regards sour milk, so necessary to your peculiar protoplasm, that's the only way milk grows in the west.

I will see that Doc. sends back
the literature which you mailed to
him. I believe Doc. is the sort who
gets "cold feet" easily, so no harm will
be done if you encourage him about
the trip.

While in the company of females,
remember your Semitic nature is
dominant so be careful and all will
go well.

Yours
Mr. Thompson

4/8/25
Pickwick Arms,
3224 Grand Concourse,
New York City.
April 8, 1925.

Dear Dr. Torrey:

Thanks for that old letter on my Bermuda algae. I knew I had received it but could never find it. I was not the least bothered, however, because I never throw anything away and therefore thought the letter would reappear inside of 2 - 3 years. I must have mislaid it while at Mrs. Shumway's.

I have such a highly developed sense of professional duty that I bit. About a month ago I received a letter from the secretary of the Greenwich Woman's Garden Club asking me to talk on Hawaii on April 14. They went so far as to offer me cash for the talk so I felt I could not refuse. I accepted the honor of talking before the dowagers but will not accept their cash as I am not in the business of talking to a bunch of old pullets nor have lantern-slides to show. Now that the day is drawing near I feel like a sacrificial lamb to a certain extent - not so much, however, that it really bothers me. I just received a letter stating that a Mrs. so-and-so "wearing a purple dress" will meet me at the Greenwich Station near the taxi-stand on Tuesday, April the 14, at 2:12 o'clock. I am going to pass around 60 photographs and at least 30 herbarium specimens. It is my only chance. If once they look up from the photographs and ask me asinine questions such as how much water to give to rubberplants or geraniums, I am lost. The thing for me is to describe those 60 photographs and 30 plants for a full hour and let no one interrupt me. As soon as I stop my talk to run for home,, the heckling by the cackling audience will begin. The trouble about the Greenwich Garden Club is that most of the women belonging to it know my sister, uncles, cousins, aunts or friends of theirs. I am sure that is why they picked (on) me. They are not inquisitive about Hawaii but about my sister's youngest brother. I am doing this really because of the training I get by it. If I can stand this audience, I can lecture before any group of students. I am sure it will be just like Demosthenes lecturing with pebbles in his mouth. If Greenwich were not so far from Amherst, I would advise them to get a coniferoxylopalaeontologist for their next speaker.

I am going to do another rash and brutal thing. I have ordered a car with declining seats so as to enable me to recline in it and have a good night's sleep. In it I expect to reach San Francisco or Los Angeles as la Harry Johnson method, with Dick Thompson's help. All of this you know as I had decided upon it while I was still in Amherst under your wing. But the new part of this plan is that Dr. Crampton and Needham are going half way in Dr. Crampton's car. We will thus be able to help each other out. I like Dr. Crampton a lot and Needham too, but cannot really talk on anything beyond the everyday babble without a little too many chances for disagreeable arguments. Therefore I just don't talk and will consequently not become any more material than usual by going with a mechanist. So don't worry about my imbibing any new ideas - I have stopped acquiring any ever since I left Honolulu.

I am taking this trip this summer as I know it will be the only chance for me. Naturally it is a waste of time - I should be working instead. But I do enjoy it and do not consider it a criminal offense to go. By going this year I of course save my trainfare and learn how

to drive a car. I need one of these troublesome machines in Honolulu to get me from the University to the Museum. But the chief reason for my wanting it is that it will enable me to survey the islands botanically by spending Saturday afternoon and Sunday in collecting in out of the way places. I have a secret hope that you will be absolutely disgusted with College after Commencement - disgusted to such an extent that when I reach Amherst to start on the trip you will jump into the car and travel west with us until you get disgusted a second time. I am sure Mrs. Stone would approve of such a plan. I dare you to tell her about it.

I was disgusted with my work at the Garden until a few months ago, because I always felt somewhat uncertain about the absolute correctness of my work. But now I am beginning to feel like a veteran. I have revised practically all the plants that were introduced into Hawaii and of which I can get specimens. I have also worked up most of my own endemics except two horrible groups - Rubiaceae and Myrsinaceae. The endemics I have studied as far as possible in view of my being handicapped in not having a large enough collection in America. I must therefore postpone most of that work until I reach Honolulu where I will have hundreds for comparison. I am really getting along in this revision and only hope that when I reach Hawaii I will not be side-tracked by other people. I do not know whether I told you that Dr. Lyon of the Sugar Planters' Exp. Station wants Rock to revise the Flora of Hawaii and not an outsider who is little more than a beginner in Botany. The Director of the Bishop Museum, however, absolutely refuses to tolerate Rock in the museum. Why, I do not know. At any rate Rock cannot use the Museum plants for study, he is still collecting in India or in some other jungle country and may remain there for several years, while I have already begun on the revision, will have use of Museum as well as University herbarium material, have the director's "blessing", will be in Honolulu to work on that problem, and have Dr. Britton's support. I believe therefore that I will do most of the dirty routine work and with the aid of experts and local botanists of Hawaii produce a flora that will require no revision for many years. The Museum, I am sure, will support this project to the extent of 25000 to 50000. Of course all of this must be confidential as it would merely make things awkward for me if others talked about them.

When I reach Amherst in June, I must ask your advise on several things, and try my very best to steal half a dozen slides or so.

Yours,

4/28/25

New York Bot. Garden,
Bronx Park, New York City.
April 28, 1925.

Dear Prof. Penn:.

Dr. Rydberg hopes to go on a two months' collecting trip around Asheville, Tenn. He needs some one to accompany him. I told him about John Perry and now Dr. Rydberg is very eager to have him go on the trip to help him in his collecting. Dr. Rydberg will furnish the car and the food - John therefore will have practically no expenses, but will have a (good?) share of the plants collected on the trip. There will be determined reliably at the New York Bot. Garden before being distributed.

The main difficulty about this trip according to Dr. Rydberg is that John is not sure whether you can spare him this summer. If you can spare him and want ^a sets of the plants collected by Dr. Rydberg, definite arrangements can be made at any time.

Dr. Rydberg prefers to leave around June 1st but "at a pinch" can wait a little longer. If you need no one from June 15 on, I am more than willing to help ^{and} Dr. Rydberg and

John by being substitute assistant at M. A. C.
from June 1 to 15 if that does not in-
convenience you or Dr. Lorry.

I have practically completed my work at
the Garden, so that I am sure I could
leave by June. Two weeks or so at M. A. C.,
would just suit me. It would enable me
to consult with Dr. Crampton about the
trip out West which we plan to take, begin-
ning June 15. It would also enable me to
get a little advice from you and from Dr.
Lorry in regard to my future work in
Honolulu.

Yours,

Otto Degener



Massachusetts Agricultural College

DEPARTMENT OF BOTANY

AMHERST

May 15, 1925

Mr. Otto Degener
New York Botanical Garden
Bronx Park, New York City
N. Y.

My dear Degener:

I was delayed in replying to your letter of April 28 until Perry had something more or less definite to offer concerning his plans. I have told him he might get away from here the week before College closes if he desires in order to go with Dr. Rydberg. I think we can get along very nicely during the remaining week of the term without additional help as we have several student assistants who would fill in. Whether Perry will decide to go with Dr. Rydberg, I do not know. If he stays here during the summer, he will be earning something whereas his trip with Dr. Rydberg will involve some expenses which perhaps he will feel he cannot afford. But that is a matter for him to decide as we can make arrangements to take care of his work here in case he goes.

While we would be glad to have you substitute for Perry next month, I think it would be impracticable for us to try to make such an arrangement because of the red tape involved. Of course we would be glad to see you here, and I hope you will plan to come.

Sincerely yours,

A handwritten signature in cursive script, reading "A. Vincent Osmun".

A. Vincent Osmun
Head of Department of Botany

AVO:P

5/22/25

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF EDUCATION

Massachusetts Agricultural College

DEPARTMENT OF BOTANY

AMHERST

May 22, 1925

Dear Otto:

I have just written to the Book Dept to send you a copy of each of the booklets though I'm afraid the "Introductory Botany" is completely sold out. P. Blackiston's has the revised manuscript just now - whether they will elect to publish it I don't know but if they do then probably it will be available in the Fall.

It is fine that you are to have this opportunity to teach in Hawaii. It will give you a sense of "belonging" - of being a really needful member of Hawaiian society. We will be glad to keep with the cargo when you get here.

It looks now as though John ^[Perry] would go with Rydberg this summer. He (in his gentlemanly way) wrote Rydberg that "if he could get no one else" - and your friend holds him to it. Will it be kaima. Que ~~est~~ voulez-vous?

Sincerely

P. E. Farney.

5/27/25

New York Botanical Garden,
Bronx Park, New York City.
May 27, 1925.

Federal Horticultural Board,
Washington, D.C.

Dear Sir:

I am going for a two-months' collecting trip (for herbarium specimens only) across the continent from Mass. to the State of Washington, passing through Canada at one or two points. From Washington I will motor down to Los Angeles and from there sail for Hawaii.

Will you kindly send me a letter definitely stating that I am permitted to collect and carry these herbarium specimens with me? I am cognizant of the fact that no permit for this work is required, but on a previous collecting trip I escaped no end of trouble by carrying with me a similar letter from your office. In certain out-of-the-way localities one occasionally finds custom inspectors that do not quite know what herbarium specimens actually are.

Thanking you in advance for the trouble this makes for you,
I remain,

Very truly yours,

5/29/25

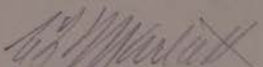
UNITED STATES DEPARTMENT OF AGRICULTURE
FEDERAL HORTICULTURAL BOARD
WASHINGTON, D. C.

May 29, 1925.

TO WHOM IT MAY CONCERN:

The bearer of this letter, Mr. Otto Degener, New York Botanical Garden, Bronx Park, New York City, who is on a two-months' collecting trip for herbarium specimens, is hereby permitted to collect and carry these herbarium specimens with him so far as the United States Department of Agriculture is concerned. Notice of Quarantine No. 37, which restricts the entry of plants, does not apply to herbarium specimens. Such specimens may be entered without permit inasmuch as they are incapable of propagation.

Yours very truly,


Chairman of Board.

5729/25

UNITED STATES DEPARTMENT OF AGRICULTURE
FEDERAL HORTICULTURAL BOARD
WASHINGTON, D. C.

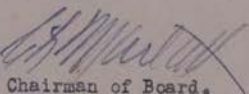
May 29, 1925.

Mr. Otto Degener,
New York Botanical Garden,
Bronx Park,
New York, N. Y.

Dear Sir:

As requested in your letter of the 27th instant,
I take pleasure in handing you herewith a letter designed
to facilitate the entry of herbarium specimens.

Yours very truly,


Chairman of Board.

(Enclosure)

6/27/25

June 27

Dear Professor:

I suppose you are now
barking up Hula trees,
as it were. It must be
spalling to be so dumb
as not to be able to
be a chauffeur, but then,
everyone can't be talented.

Have you transferred
from northern plants to
Hawaiian ones for the
purpose of class instruction?
Did you have to compose
another set of notes?

or did you use Doc Torrey's?
Are you satisfied with
being a botanist ~~are~~
you now searching the
caverns for remnants
of the earlier periods?
When are you coming
east again. I hope you
are still single.

Doc. Crayston and I went
to Montreal for a week
after school closed. He
has left for Havana and
Jamaica will return
the latter part of August
when he wants me to go
to S. Carolina with him

27-VI-25?
I am working on a farm
as all virile men should
do. The backbone of the
nation is its bread-basket,
as Butterfield used to say.
Have you strained yourself
lately? If you are now
married or even if you
are nearly so, will you
kindly tell your wife
what a dumb bell you
are. (Whitey Lamp here?)
is married.

I am a dignified penis
at M. A. C. and I have an
elegant mustache which

has been constantly nursed
since you last saw me.
How is the Dodge!

I expect by the time
you answer this, your
eldest son will be
majoring in pomology
at D.C.


He is as patient and
thorough as ever.

Waikiki

Walter Thompson

8/30/25

Cochesett Mass.
Aug 30, 25

Dear 

Harry

During my ten day stay at the Johnsons I was treated most royally. I stayed entirely at the house of Lester and his parents as they insisted I should. Lester is coming east next year and will call on me when I can get revenge for the favors they did me in Calif. I must repeat that I never was treated so much like a king as there. Of course you treated me well, but it was because of fear!

The trip by boat was a huge success. I wouldn't have missed it for the world. We stopped over night at the Panama Canal where we all disembarked and did the town for the night. I got drunk with the rest. never again. The same story was

made at Havana and we all strolled
the streets until early hours of the
morn. At Panama I saw everything
I had time for. All things are different.
The vegetation is tropical, the people
are negroes, the climate is intensely
hot; it seems like a different world.
Havana was beautiful but not as
weird as Panama City.

The boat was two days late because
of engine trouble. Nevertheless when
I arrived at the dock a telegram awaited
me demanding that I phone Miss.
Carmarr Degener. I did so, met her,
got roped into a dinner with her,
told all about you and your reckless
driving; then was released to continue
my journey. Believe me, I told her
all she wanted to know about the
rest of the family. I of course have
discretion enough not to tell her
of how you endangered our and other
lives by reckless driving, but I told
her all the interesting details.

It seems peculiar to be home again. My folks were pleased to see me and I was glad to stay put for a while. I suppose you have been settled for over three weeks from date of this letter.

In two weeks I re-enter D. A. C. as an intelligent Junior. I would be a senior but I care not to end my famous college career so abruptly.

I rec'd a letter from Machmer stating that if I didn't "apply myself" more this year why I would be suspended from college. I'm going to study more this year anyway.

Don't flunk more than 70% of your class, don't strain yourself, don't go fast around corners, don't hurry, don't eat any meat from the road unless strictly fresh, and don't do anything to that gas stove except to make a souvenir out of it.

Your Superior officer
 Mrs. Tompison

9/20/25

Dept. of Botany,
University of Hawaii,
Honolulu, T. Hawaii.
Sept. 20, 1925.

My dear Mr. Riordon:

About ten years ago I attended your summer camp at Chodikee Lake. To help you to recall me, I might remind you that I was the student who collected quite a number of snakes.

Since leaving your camp, I have gone through college and gradually gravitated into Botany. I am now teaching that subject at the University of Hawaii. As I have ninety students in my Freshman Course, I am extremely eager to procure a primitive type of flower for each one to study in detail. I cannot get what I want in the Hawaiian Islands but I know that you can get the material for me. Would you be so kind as to ask one of your students to go into a rowboat and gather about 100 flowers of the white waterlily (*Castalia odorata*) for me. This is a primitive type of flower in many respects and suits my purpose nicely. You need not think that it is a pity to despoil your lake of a hundred flowers - the plant reproduces asexually so abundantly that a few hundred flowers would never be missed. These flowers should be put in a jar or tin containing approximately a 4% solution of formalin in water. The formalin can be bought at any drugstore. Please ship me a hundred or less flowers to the Dept. of Botany, University of Hawaii, Honolulu by express C.O.D. or mail if that should insure quicker delivery.

The flowers should be shipped to me not later than a week or so after you receive this letter. Please cable collect the word yes if you help me out in this perplexing situation. You, as a man interested in teaching, must fully realize how important it is for me to have suitable laboratory material for a class.

I would be ever so much obliged to you if you could help me. There must be at least one student that has time for this work among your following. Should there be anything you might need for Nature Study that I can collect in Hawaii, please let me know.

Yours sincerely

10/31/25

MOUNT HOLYOKE COLLEGE
SOUTH HADLEY, MASSACHUSETTS
DEPARTMENT OF BOTANY

October 31, 1925.

My dear Mr. Degener:

I saw Dr. Torrey this week and he told me that you were back in Hawaii. We have been having Dr. Bower with us for a week as a visiting lecturer and when he told me this morning that he had been trying to get certain Hawaiian ferns but had not found anyone who would collect them for him I thought that perhaps you would do it.

He is after the genus Diellia, formerly with Lindsaya and would like material from both a large and small species, and as many as you can get. Christensen gives 7 species, all limited to Hawaii. He would like portions of the rhizome and the base of the leaf stalk in particular and would also be glad of sporangial material. He suggested putting it up in 2% formalin 100 cc. or formalin alcohol (50% alcohol with 6cc. of formalin).

His address is Professor F. O. Bower,
2 The Crescent,
Ripon, England.

He has retired from his professorship at Glasgow and is returning to his old home in Ripon. He has been on a tour in this country as a visiting lecturer and we have had the great good fortune to have him for a week. He is even more of a wonder than his writings. I have never been in contact with so stimulating a mind. Besides being stimulating he is delightful socially and is most appreciative of everything that is done for him.

If you succeed in getting the Diellia material would you also send me some fruiting material for the spores. Just roll up a few pieces of leaf and put in a vial- you need not bother to scrape

MOUNT HOLYOKE COLLEGE
SOUTH HADLEY, MASSACHUSETTS
DEPARTMENT OF BOTANY

off the spores.

I am trying to get my Cyatheaceae paper out of the way this year and then I may have a try at the Lycopodium prothallia again. I have it almost finished - all my cultures finished except one species which I think I must have. I have had some cultures of it but the material was not pure enough and I cannot put much confidence in my results so I have sent to Jamaica for more material.

Professor Bower's second volume on the Fern is now in press and he expects to have the proofs when he returns to England in December. He is projecting a third volume, and another volume, a revision, of the Land Flora. He will be 70 next week and he has planned what many people would consider a life time's work to busy himself with from now until the age of 90.

I hope you are having a profitable time in Hawaii.

Very sincerely yours,

Oliver Stokes

Wishing you health
and happiness the coming
year.

Most cordially —
Sincerely
May E. Stone.

Husband was Prof. of Botany
at Mass. Agric. College.

— Mrs Geo E. Stone —

12/29/25

Hunt
Dorothy Vase -
Dec. 29. 25

Yvonne Yegor —
I am writing
to ask you to accept
Mr. Stone and my thanks
for your kind thought of
us in sending the lovely
booklet of Yamacraw poems.
A classmate of our May of

Mr. Soney tells us of hearing
from you occasionally -
may hope me too hear
from you when the
"spirit moves";

We are having a "cold spell"
just now, altho Dec. has been
a wonderfully sunny, warm
month up to this time -
quite ideal in fact for
New England.

Mr. Stone joins me in

Smith told us much of the
beauty and wonder of the
Islands, but only a poet can best
express such wonders of nature.

Miss Kitty Pratt taught Botany
for awhile in the Univ. of
Hawaii after her graduation at Smith
in '21. She has since married a
Boston Tech. graduate, and is living in
Richmond Virginia at present.
Her parents are residents of Hawaii.
You may have met them.
Kitty is a charming girl -
we enjoyed her much - and visits
with us when she more of Smith Coll.

1/28/26

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF EDUCATION

Massachusetts Agricultural College

DEPARTMENT OF BOTANY

AMHERST

Jan 28. 1926

Dear Otto D. —

This answer to your letter is long overdue though I have often thought of you and of your specific problems. I am glad the coal slides reached you safely but hope you haven't had to import chunks of bituminous America can still supply that, though our anthracite mines are locked up in a long-winded strike. Yes, you have stretched the definition of Physiol. when you include coal but, after all, an ingenious teacher could convince his class that it was a logical outcome of photosynthesis and hence strictly physiological. One can learn to get away with almost anything in Botany — even philosophy!

Stick to your guns about the sucrose-sugar bunk. The U. of H. — isn't a trade school and you have a big job in the world to keep us combat the damned commercialism which would lay its impious hands on heaven itself and carry off its pearly gates to serve as turnstiles to a moving-picture palace. Fight it, and don't hesitate to speak straight out — there is no use in temporizing with the materialistic attitude in

our colleges Japan is a striking example of a nation gone mad and selling its birthright for a "mess of pottage" (as a little boy expressed it).

The moan about your course giving them nothing new because they had it in High School, is an old one. I meet it here sometimes from entering students but after the first examination I hear no more.

See Torrey's Botany and they may begin to realize that there are depths to which even a H.S. student hasn't penetrated. But I don't wonder you get it, if you are still using Brown. That is a H.S. text:—even Dr. Davis admits it. Why not treat College students as if they were out of snaddling clothes.

Frankly I don't hesitate to propagandize for my own text and you know why. I don't get a red cent but I want to spread the idea of a science which is an element in the preparation for greater things. Drawings for both books are available at the Book Store if you want to get away from tiresome Lab. drawings and more tiresome note-book correction.

The lecture system is poorly adapted to beginners. A better method is to use the lecture hour for a careful discussion of a decent text (like mine!!) for charts, for illustrative material, for lantern slides and for adventures into side lines on phylogeny, zoological analogies, etc. etc. But it means back.



Massachusetts Agricultural College

DEPARTMENT OF BOTANY

AMHERST

Mahabubster Reading List Suggestions

Devotional

"Bhagavad Gita" tr. Johnston

"Crest Jewel of Wisdom" "

"Fragments" - Cave

"Letters to Friends" John Jerards

Theosophical Quarterly: The best magazine of its N.Y.
kind in the world: - I mean it!

Philosophical

La Dow - Plotinus - Quarterly Ed. Dept

Durpinsky - Tertium Organum. His chapter on Love
is a mess - beware!

Payot: The Education of the Will - 30 French editions
9 American

Carpenter The Drama of Love & Death: More perverisions
on sex but part
" Pagan Cults and Christian Creeds - very useful
- Good.

Jeley: From the Unconscious to the Conscious - An
attempt to put biology on a new basis. Cf.
Sir Oliver Lodge's "Life & Matter".

The Mahatma Letters to A. P. Sinnett - Out last summer.
Biography & Fiction

Mark Twain Joan of Arc - Remarkably well done!

H. G. Wells - Scientific Romances such as "The First
Men in the Moon", "War of the Worlds", "Time Machine".
"Food of the Gods", "Tales of Time & Space", "God the
Invisible King"

Conan Doyle: "A Lost World" - Micronic thriller.

Rider Haggard: "She and Allan"

"She"

"Ayepha - the return of She" } not of high
literary quality
Allan Quatermain } but real stuff

L. Adams Beck: "The Fifth Ninth Vibration" - Certain
deep truths about power of thought
"The Treasure of So" - One of best I ever
"The Interpreter" - Excellent ^{read}

Frederick Hall: "The Smard Light" - Recommended to me
as a remarkable story - have not read it.

Julius Wyllon: Lanoni

A Strange Story

The Coming Race

The House and the Brain

} Good occult novels by
one who knew much.

Bram Stoker: Dracula - sheer horror with some truth.

J. Anker Larsson: "The Philosopher's Stone" - A good warning!

Kipling: "Kimi" - a superb work

"They" - marvelous insight.

F. Marion Crawford: "Mr. Isaacs" - Based on a vague idea
of the Mahabharata K.H.

Collins Mabel: "Idyll of the White Lotus" - An old
tale of Egypt, probably true - Quarterly (Ed.
Dept.)

Blackwood R. Julius Le Vallon

The Bright Messenger

The Centaur

The Mellow

} Rest of his books
I have read.

Romaine Rolland: Jean Christophe: Several volumes of
musical, mystical
melange.



Massachusetts Agricultural College

DEPARTMENT OF BOTANY

AMHERST

23-I-24

Looking out for adaptive features of each plant (morphological, reproductive etc) with a final thesis and conferences along the way. One could take the waste lands with their introduced flora, another the lava flats, etc. Temperatures, rainfall etc. could be measured. It ought to be a way to stimulate close observation and originality in interpretation. It would please such boys and lead to better work if they were told that the best thesis writers would be asked to give a report to your lower classes toward the end of the term - to show specimens etc. (à la Mr. Desgenet before the Hachbrouchs and M.A.C. Botanical faculty - concerning Bermuda)

There you. I've written you a long letter and I hope it helps to tidy over some of the rough spots. All well here I guess and no particular news.

Sincerely

P. E. Tracy

P.S. 1. Shall be glad to try to send you fern trees and Lutterbuchs (mixed) and get thrilling Hawaiian plants.

P.S. 2 I enclose a few suggestions on books. It may be of use though I know your time is limited

Does your "Quarterly" come all right. You will
be interested in an article I wrote for Jan. number
and also a review of our *Introduct. Botany* by a
sociologist in N. Y. University.

P. E. T.

My dear Mr. Hegener: -

B

I appreciated very much the opportunity
to read this letter - the same to Ray Zorn.

Thank you M. L. Jones



Massachusetts Agricultural College

DEPARTMENT OF BOTANY

AMHERST

ground which you must acquire as rapidly as you can. Try to make Botany the medium thru which touch deeper things. I can suggest books (in fact I recall that you used to petition me for a reading list).

I don't doubt that you get discouraged - we all do at times. Often I have thanked heaven that terms don't go on forever. It is a blessed thing to get rid of a terecome course (e.g. Physiology). But your honesty and loyalty to duty are tremendous positive forces and don't worry about results. You are laying a good foundation and someday you will begin to build upward - and not alone spread out laterally. I don't think it will mean quite that you will burn your incense and sit on a point of rock studying your navel - as you waste once - but you are still alive, and living things usually grow when the spring comes.

As to not explaining things clearly - the cure for that is preparation and meditation. It helps to set down the logical sequential steps of an argument or description on paper and then to rehearse it alone and aloud. The subject must grow under your hand - developing ab initio while the students listen. Recapitulate from time to time as you pass to new phases. Begin with superficial views linked on to what the student already

knows and goes deeper and deeper. These are points
I see myself - not theory.

Phyterology - yes - it is the most difficult part to
teach. Dave Patten tells me he has cut it down to
one lab period in his full year course.

Your only real way out, if it must be taught, is to
spread from 1 to 2 years in digging into sources and
building up a set of lectures. Labs in it in my
private opinion are mostly worthless - viz. I mean
the conventional lab with apparatus.

A second way out is to get rid of it by con-
fessing your inability to handle it. Many colleges
here have thrown it over because of its slight
pedagogical value. You would have been wise to
have taken some of Gage's work.

A third way for this year, would seem to be to
go into ecological systematics - though I confess I
should want a long ~~Praty~~ Praty Praty in which
to figure out a scheme. Perhaps a few weeks on
the habitats (chemical & physical) - on geographical
divisions of the earth (a la Schimper) and then
physiolog. adaptations (try Haberland) would make
a series of lectures. Lab might be devoted to a
minute study of an assigned area to each student -

Hunt 111 2/27/26

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CARD ADDRESS "JOURNAL"
BENTLEY'S CODE

Feb. 2, 1926.

Dr. John Hendley Barnhart,
New York Bot. Garden,
Bronx Park, N. Y. C.

Dear Dr. Barnhart:

Enclosed are clippings from the paper on Dr. Brigham. Since so many of the Hawaiian plants at the Garden were collected by Mann and Brigham, I thought you might be interested.

I have not done a single thing in Systematics since leaving New York except getting some students to mount my specimens for me. All I have been doing is teach. I am giving a course in Freshman Botany and one-hour per week lecture in Plant Physiology, both courses running through out the year.

Upon arriving in Honolulu, I was told that I would have plenty of free time for myself as the beginners' class would contain less than 50 students. To my surprise, over 100 enrolled. So now I am obliged to conduct three separate laboratory sections instead of one, each meeting twice a week for two and a half hours at a stretch. I enjoy this work immensely but it does keep me extremely busy so that between getting up in the morning and going to bed at night my only interruption from botanical work is eating three good meals - not chocolate and sardines by any means. I have quite a bit to worry about such as getting together laboratory material for such a huge class - I have no one to help me.

This summer I will be able to collect plants again and continue my systematic work. Then I will be able to send duplicates to the Garden. I still have quite a few sheets, by the way, that belong to you. They hold plants that I had collected in Hawaii and given to Miss Wheeler to mount before I completed my determinations and wrote out labels for them. I will ship these to the Garden when I have a little more time.

I imagine you are freezing in New York and that you envy me my winter. It is wonderful here and I expect to stay here for good, except for occasional visits to New York. Please remember me to all, and thank Miss Eaton for her advice in regard to sea-slugs that a friend of mine painted. Tell her that my friend is too bashful to do anything at all. I saw Dr. Seaver's friend just a week before her departure.

Sincerely,

2/3/26

Amherst, Mass
Feb. 3, 1926

Dear Leggett:

Your statement of desiderata was rather indefinite but I am enclosing a few envelopes which may tide you over the fungle. I would have gladly sent more material but some of our stock is low and it isn't in my province anyhow. These are from Mac.

Send us a list at your leisure and when spring opens we will do our best to supply the stuff. "Ted" Ayers says he would be glad to do the work at 40¢ per.

You seem to be coming on finely —
best wishes for continued success.

In haste

R. E. Torrey

2/14/26

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

ENCL. ADDRESS "COINMAIL"
SENTINEL'S CODE

Feb. 14, 1926.

Dear Dr. Torrey:

Thanks ever so much for your letter and your advice. I can say without blushing that my course in FRESHMAN BOTANY is the best course ever given here since "rain-in-the-face" regime. My students have Brown's Textbook, to be sure, but I don't know it nor do they. It was forced on me and them. I am giving them my own lectures which, by the way, are merely yours somewhat garbled, for the simple reason that I am steeped in that. Furthermore, I lecture more than one hour per week, frequently using part of the Lab. so as to give them sufficient. I have ignored the text excepting that I advise them to know its content more or less before the Final.

My results might interest you. Of my original enrollment of 102 students, 90 reached the Final Exam held a week ago. Of this number I excused 6 because they had a grade of over 90. Everyone else took the Final, a custom at the University, and of this number 16 flunked the course - so you see my course is not a gut after all and I really think the students did learn a lot. If I am to teach this course again, which is very likely, I will cut down on the macroscopic Bot. 3 work and give instead more microscopic work.

I was afraid that I would not have any students at all for the second semester because I thought my course was somewhat rotten. But to my surprise I have 73 and these are chiefly the pick of the class. This is the highest enrollment in the History of the University.

I have just begun the Second Semester. I gave them an hour's lecture on genetics at the last lecture period because I did not have time for it last semester. Even so I have not yet reached Lamarck, Weismann and DeVries. That means of course that I may be forced to use part of my Lab. Period in order to catch up. I started them off on Myxomycetes in the first lab this semester. I found Lycogala and Stemonitis - even had a plasmodium. Because of the difficulty in getting material from the States, I had a jar of rotten Plasmodiophoraceous cabbage for only one of my three lab. sections. The material did not arrive on time. I therefore had them consult texts for the infested host tissues instead of having prepared slides ready for them. Now, however, I have the root and can make microscope slides of it for next year.

For the next lab. I had blue-greens of which I got 4 good evolutionary links such as Chroococcus, Aphanothese, Oscillatoria, Nostoc and Gloeotrichia from Manana Pond. Then comes a smattering of bacteriology, at least 2 full labs. Then come greens of which I have nothing decent except Hydrodictyon so far, browns, reds, damnable fungi, lichens, mosses, lovable Lycopods, Equiseti, Psiloti, Ferns, Cycads, Ginkgo, Pine, and then as climax an angiosperm and a review. This course takes in 18 weeks so I have not too much time. Do you know that I am going to feed my Freshmen a modification of your notes on Nebular and Planetsimal Hypotheses followed by a study of oceanography!!!!!!!!!!!!!! And before

they escape me they will know the difference bet. Homol. and Antithet. Theory of Alt. Gen. just as well as they now know that ont. recap. phyl. Church's Thalassiphyta, for which I wrote, arrived. I will read that again and see what I can digest for future regurgitation to my callow fledglings. You see MY students are far superior to YOURS - honestly they are because they are chiefly Orientals. - no wonder then that I can give them a predigestion of your course on the "Evolution of Green Plants". The only trouble is that I am killing the possibility of giving a real course on that subject for higher classes next year. Well, I will try to give them their money's worth this year and not think too much about next year. If I am to teach Freshmen Bot. and Systematics, that will be sufficient. I will limit Systematics next year to the Higher Plants alone. As I will be forced to work up a new course on the subject, that will be enough pilikia (Hawaiian for trouble).

I am beginning to hate my assistant. It certainly was wise of me not to have her doing anything except Physiology Lab. My Freshmen are decent individuals and I will keep them so and protect them from Billy Hasbrouckisms to which the Physiologists are subjected. SHE, not ALLAN, is a tyrant and every once in a while I can hear her yell at them, "Why don't you listen when I talk to you", and other snippy remarks. One of the girl students remarked: "She's fierce". Day before yesterday she posted on each door leading to the Physiology Lab. "Freshmen Keep Out". I don't like that attitude. No use saying anything to her because it will do no general good, just undo the one thing that I happen to dislike. The nicest student in Physiology dropped the course because he would not stand for being bossed around so much. The others have thicker skins and survive. If she gets any worse, I will "sit on her". You can't blame me for having cut her Botany work from 3 days per week to 2. Next year I will probably teach the two most important courses, as far as we two agree, and I will stipulate that I may choose my own assistant for them. What Bergman does is none of my affair. There is one awfully nice fellow of the Lev. Woodworth type in class. He is not an extremely bright student but a good one. He is very enthusiastic and energetic and has a gentlemanly disposition and fine character. He is a strange mixture. His father is German and his mother Hawaiian-Chinese. He married a Chinese girl and has a baby. Although he has no money he is working his way through college while his wife goes to the Normal School. Both have scholarships to help them along. He intends to go into medicine. He would be an ideal assistant.

I had no time to take up coal last Semester so am waiting until I get to Lycopods. I was forced to import camel coal from New York City. The coal was free but the expressage was \$5. I have not the nerve to let the college pay for it. Coal is rarely used in these islands.

If you

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CABLE ADDRESS "COLWAI"
BENTLEY'S CODE

Feb. 29, 1926.

Dear Dr. Loomis:

There is so much red tape here about finances that I am beginning to get desperate. I have practically no money to buy any material but I have a surplus of money to pay for student labor. So the only thing for me to do is to have ^{student} collect & make necessary laboratory supplies for me, even if the material I get thereby is more expensive than if I bought it direct from a supply house.

Can't you interest your histology students to make slides for me of different things. My department is willing to pay them 50 cents per hour for their labor and gladly for the cost of material used in the process. I can use 50 slides each of every thing you use in your Soph. Course excepting possibly pine and oak wood. I can also use many other things besides. I wish to get such things together for next year. I have only one student here to help me and he has little time to spend except Saturday afternoon. As there is no electricity in my building, it is impossible to do anything at night.

I want one of your students to collect
different kinds of fungi for me and to collect plants
for my Systematic Course which I am to give
next year. I want pickled *Caltha* and *Trillium*
flowers. I want pine cones of all stages and
twigs of pine as soon as possible - there is
not a single pine in these islands. I want
oak, apple, cherry, sugar maple - the students here
of course have heard of those things but have
absolutely no idea what they are. I am rather
generally and want almost everything in fact.

The only fungi I know I can lay my
hands on when my students get to the
group are *Mucor*, etc., a polypore and Japanese
canned Agarics! I can't even get *Saprolegnia*
no matter how many roaches and flies
I drown. It does not seem to be in the
islands.

I guess the best thing for you to do is
to give the following list to an enthusiastic
botany student who needs a little extra
cash. I am willing to pay 50 cents per
hour for getting me material but I
rather think that may be a little high.
That rate is fair enough for histological
work however.

I have enclosed check for \$10 because otherwise students
there will be no reason: there is some you find and to collect for me
and I have the money and then a check, the same return
the cash I advanced.
C.D.

2/29/26

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CABLE ADDRESS 'HOLWAI'
BENTLEY'S CODE

- x1. 15 mature pine cones dry for example from old Clark ruins.
- x2. Many staminate and pistillate cones of different ages if possibly still attached to branches dry & formalin "
- x3. Many cones and branches of dif. conifers: pinifera, fir, hemlock, Larus, etc. dry & formalin Lovers' Lane and campus
- x4. 6+ Larch branches with cones dry if without needles, otherwise 1 or 2 in formalin Rhododendron garden
- x5. 3 *Burns monophylla* twigs formalin " "
6. 50 each *Equisetum strobiliferum* and next branches, same with roots " Car tracks (C. amara) near Abbey, also (C. sylvaticum) in swamp bet. Lovers' Lane Road and Apple Storage Warehouse
- x7. 50+ *Lycopodium lucidulum* same with gemmae attached - if other L.S. present with strobili take those also " Follow track flowing across Lovers' Lane Rd.
- x8. 150 plants *Polytrichum juniperinum* dry Old pastures - especially along Harkness Rd which is way to Belham
- x9. *Claydonia raigeferrina* "
C. coccifera "
- x10. Small *Utricularia* formalin Botany Greenhouse

11. 10 Sundew formalin Fish Hatchery. With about 100 yards north along car tracks until you reach old wood road in high level grove - sundew just north of that and immediately below road in swampy ground - grows on partly submerged logs.
12. 150± *Caltha* flowers of all ages, from buds to maturing anthers - same, with leafy part of plant attached Fish Hatchery
13. 150± *Trillium* fls. same " with whole of leaves attached
- x14. Maian *Chara foetida* " in fruit Fish Hatchery in spring with noisy? hydraulic raker from which water is piped to hatchery - spring is at edge of heavily tobacco field about 100 yards south of Hatchery parallel car tracks.
- x15. About 12 each different kinds bracket fungi dry Lovers Lane
16. Numerous sps. according to size, etc. Any fleshy fungus, puffballs earth stars, stink horn, etc. formalin or if possible dry Lovers Lane - Fish Hatchery, etc.
17. For 100 students Rusts, smuts, powdery mildews, etc. preserved because of danger of introduction as pest to Hawaii
- x18. 10± Cedar rust (*Gymnosporangium*) galls on hill along rivulet bet. Ent. Bldg. & Aggie Inn Preserved
- x19. 10± *Plowrightia muscosa* " Near Apiary
20. *Sphagnum* fruiting " ?
21. 30 *Isaetes* sp. " ?
22. 50 leaves of *Ginkgo* pressed, 10 fruits preserved, 3± branches with leaves, fruits, etc. preserved Back of Lunch Hall

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CABLE ADDRESS "COUWAI"
BENTLEY'S CODE

- x 23. 35 Horse Chestnut branches dry campus?
in dormant condition
24. 5 Boston Dry to ^{show} Currier preserved Clark Hall
- x 25. Empura au glis dry in rial Mac. & Dr. Davis
Lab. esp.
- x 26. 2 piece of 3± inch twig with Chestnut blight formalin Buttrick's Terrace
- x 27. Butth's Any algae in fruiting condition, esp. *Sporogyna* " Clark Hall green house - Lick Hatchery, etc.
28. Trial Desmids wanted - " seen none in Hawaii

x These marked could be collected immediately. Dr. Torrey may have suggestions and you may notice plants appropriate for course - keep them and ask me whether I can make use of them if you are not sure.

Ship things whenever possible by parcel post if not too bulky. Let preserved things soak in formalin for a day or so and then pour most of it away so as to reduce weight and cost of sending. If you send things by express send C.O.D. Let me know amount stamps used, etc., so you can be reimbursed. As soon as you collect a thing, ship it as in many cases it is better if it is sent as soon as it arrives here.

3/15/26

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CABLE ADDRESS "HOLWAI"
BENTLEY'S CORNER

March 15, 1926.

Prof. A. Vincent Osmun,
Clark Hall,
Mass. Agri. College,
Amherst, Mass.

Dear Prof. Osmun:

I am now teaching rudimentary Systematics to my Freshmen, beginning with Myxomycetes and ending with Angiosperms. My collecting fever has therefore revived. As I wrote Dr. Torrey, I want a student in New England to collect plants for me which will be valuable for a General Botany Course and for a Systematics Course. My department would pay him 35 to 50 cents per hour for his labor. No doubt Dr. Torrey will know of such a man.

But I am writing to ask you whether you do not want to employ one of my students to collect Hawaiian plants for your department at the same rate. There is awfully much common stuff around here that would be of value to you. I have several students that are rather enthusiastic and at the same time somewhat handicapped financially.

Everything here is going nicely. I am to give Systematics next year and probably the Freshman Course. Systematics will enable me to work on the local flora, as I had always planned to do.

Please remember me to all.

Sincerely,

3/18/26

March 18, 1926.

[Kipuka Puau]
Dr. J. N. Rose,
Smithsonian Institution,
U. S. National Herbarium,
Washington, D. C.

My dear Dr. Ross:

Thank you very much for your determination of the Abutilon, and especially for your kind letter to Mr. Cammerer. I was unable to see him personally although he was kind enough to ask me to call. I got in touch with him, however, and hope to have helped influence him to preserve one of the botanical refuges of Hawaii. This is a "Kipuka" or "lava oasis" in an ocean of barren lava that contains some of the rarest of Hawaiian plants such as Hibiscadelphus. This area has been desecrated by use as a fattening paddock for cattle, thus killing all the seedlings and irreparably injuring the older trees.

I have had no time since my arrival for collecting nor for Systematic work. This summer, however, I expect to collect quite extensively. I will be very glad to send you duplicates but I must of course reserve the best specimens for the University and Bishop Museum Herbarium and a set for Dr. Britton.

Thanking you again for your two letters, I remain,

Very sincerely yours,

As after my students have had a little more Kona, it might be possible to finance them - say 5 cents per specimen - to collect material during the summer vacation when they have left for their homes in the various islands.

3/27/26



THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF EDUCATION

Massachusetts Agricultural College

DEPARTMENT OF BOTANY

AMHERST

March 27, 1926

Dear Otto D. —

In accordance with your instructions George Shumway has begun to collect materials for you qua your letter. I made over your \$5 check to him and wash my hands of all responsibility.

Ted Gere is willing to make up the slides you want. He has suggested to me, however, that it will be better if he cut the sections, stain them, and ship them to you in pill-bottles of xylol. Then you or a student can mount them.

It will save postage and the danger of breakage; furthermore since the balsam would be fresh, there would be danger of a complete mess by the time any slides reached Hawaii.

I am advising him to ship you some sample bottles of sections and then wait to hear from you as to how they arrive and whether they are suitable.

I am very busy with six student secretaries and about 180 Freshmen along with Eds.

Morphology.

Best wishes to you
P. E. Tancey

4/6/26

MOUNT HOLYOKE COLLEGE
SOUTH HADLEY, MASSACHUSETTS
DEPARTMENT OF BOTANY

April 6, 1926.

My dear Mr. Degener:

I shall write to Professor Bower to ask him if he can do anything with herbarium specimens. I doubt it, as there is probably not much stem material. I think he wants it to check up his theory of the relation of the size of the stele to the type. Do you have access to FLORA? There is a paper of his in the Goebel Festschrift, vol 118-119, 1925, on the size factor. I hope that your collecting class will happen upon *Diellia*, as I should like very much to help him to get *Diellia* - you see what my idea of helping is?

Miss Kemp has not been here this year. She was not well last year and then had the misfortune to break her ankle late in the summer, so that she was unable to return. She decided to take the year off and try to gain some extra energy. She is planning to work at Radcliffe for her Ph.D, next year. Miss Katherine Bruce, who is assisting us this year, is physiologically minded and has not found a line to interest her in the lycopods. As for me I am putting in my spare time (which is very little) in finishing up my Cyatheaceae. I am trying to get a *Balanium* but so far have not succeeded. The Jamaican collector has sent it twice but not in good condition. I have all the other genera and I do not want to leave that one out although I doubt if it makes any difference in my results.

Indeed I would like some *Salvinia villosa* sporocarps. I suppose that nothing has been done on its gametophytes, but probably

they are like other Selaginellas. However, one can never tell. Anything which does something in 5 minutes sounds interesting. None of my plants do that.

I have several small problems on hand, all related to my Cyatheaceae, and I really ought not to tackle anything else until I finish them. Publishing bores me - I like the working out and after that I don't care what happens. However, I suppose I owe it to the college to publish when I get results, so..... And then some people are interested. Professor Bower was quite keen on some of my results which supported his theory of the Marginales and Superficiales. I did not think they would at first and really expected to prove him wrong, but so far my results confirm his work.

Your paper^{re} read well and I have meant to write and tell you so. I think several people ought to be interested in the theoretical aspect. I hope you sent one to Professor Bower. I am enclosing a snap-shot which Miss Turner took in our laboratory, with his address on the back.

At present I shall not ask for any specimens, but later I shall probably want some fern spores. The Psilotum which you sent is doing well, also the Vittaria, and the Cibotiums.

Very sincerely yours,

Oliver G. Stokes

P.S. My typing is even worse than usual owing to the fact that I have been using a different machine (or less brains). 'Scuse it, as the telephone girls say.

O. G. S.



Massachusetts Agricultural College

DEPARTMENT OF BOTANY

AMHERST

April 7, 1926

Mr. Otto Degener
University of Hawaii
Honolulu, Hawaii

My dear Degener:

I wish I might arrange to meet your suggestion in your letter of March 15 that we employ one of your students to collect Hawaiian plants for us. I can see no possibility of it, however, this year, as we are working under an economy program, and the financial situation is offering us many domestic difficulties, which would preclude our entering into any foreign alliance! You might, however, when you have time, send me a list of some of your plants which you think would be useful to us, and it might be that sooner or later we could arrange to buy some of this material even though the difficulties of red tape entanglements might make it impossible to employ a Hawaiian student to do the collecting.

I am glad your work is progressing so nicely and hope it will continue to develop according to your wishes. We are having an interesting and profitable year here, but we would not be human if we did not look forward to the closing of college and the summer season, which under normal conditions should follow. Just at present the ground is re-covered with snow every time the April sun has opportunity to clear it off, and I am not quite sure it is safe to predict summer weather.

With kind regards, in which I am sure all the Department would join if they knew I were writing, I am

Sincerely yours,

A. Vincent Osmun

A. Vincent Osmun
Head of Department of Botany

AVO/K

4.10.26

Box had 1 little book
sent him.
- W. M. H.

4/19/56

I herewith submit a list of next year's necessary equipment for the
Department of Botany:

- | | | |
|----|---|---------|
| 1. | 40 compound microscopes (Bausch & Lomb 12102 outfit
No. F 2 according to Eimer & Amend Catalogue B,
1923) at 69.50 each ----- | 2780.00 |
| 2. | 15 dissecting microscopes (Bausch & Lomb 13052 outfit
No. W 2 according to Eimer & Amend Catalogue B,
1923) at 21.25 each ----- | 318.75 |
| 3. | 1 portable blackboard (University Carpenter Shop? or
some local concern) at 25.00 estimated cost ----- | 25.00 |

Yours very truly,

4/21/26

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CABLE ADDRESS "COLWAI"
BENTLEY'S CODE

April 21, 1926.

Dear Miss Stokey:

I was glad to receive your letter and Prof. Bower's photograph. I am sorry that he wants *Diellia*, a fern that I have never collected and which grows in places unknown to me. At the end of this term, however, I am going to Kauai for a month (my sister permitting - she comes in June) to collect plants with two of my students. I will then return to Honolulu, leaving one student to continue collecting for two more months. After such a haul, I should get something pretty good. The University will pay the expense.

Enclosed are sporocarps of the endemic *Marattia villosa* (not *Salvinia* as I foolishly wrote before). I would consult Miss Robinson's article in Bul. Tor. Bot. Club 1912 - '13 - 14 for synonymy. I have not the articles on hand. To get the sporangia to appear on the gelatinous ring, just cut away one end of the sporocarp and place it in water. It is certainly worth showing to students. This plant, by the way, grows in regions that are as dry as a desert at certain seasons.

If there is anything else that you might want, let me know. Or if your Department wants to employ one of my financially embarrassed Hawaiian students at 35 cents per hour let me know. I have hired one of Dr. Torrey's students at that rate to get me New England plants necessary for Systematics and for Freshman work.

The volcano is again "shooting its head off". My sister will see a wonderful sight when she arrives.

Sincerely yours,

4/27/26

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CABLE ADDRESS "COLWAI"
BENTLEY'S CODE

April 27, 1926.

Dear Dr. Torrey:

Thanks ever so much for the fungi which you and Mac. shipped me. I made use of quite a few of them and now the rest are being used in Pathology. I have passed the Fungi successfully, the Lichens, Marchantia, Anthoceros and the Mosses. I am now in the midst of Psilotum, Lycopods, Selaginella, etc., and then will take up Coal. So you will get your slides back again in a week or so.

In regard to slide material I need none at present because I have passed the subjects for which I required them. I have also a very conscientious student to make some for me of local material. But I do need morphological material such as pines, Trilliums, etc., as described in one of my letters. Even though Shumway should send them immediately, I fear that I would not receive them in time for class. I will just have to worry along as best I can this year with a meager supply of laboratory material. I luckily have one herbarium specimen of a pine twig and two cones.

I sent you a jar of diatomaceous earth because I remembered how much Woods Hole "soaked" you for a small vial and how stingy you were in giving us that precious material under the microscope. Now your Freshmen can powder their noses with it.

Everything is going along nicely at present. My Freshmen seem to know a lot. They are more diligent in general than the white Amherst students. I do not worry about my assistant anymore because the term is practically over and soon I will see her no more. She arrives around ten o'clock and leaves punctually at 4. I have written a letter to Pres. Dean protesting against her reappointment as assistant in any course I am ever to give.

There may be trouble for me next year when Dr. Bergman returns because of his method of teaching - I cannot and will not copy it. He is a Physiologist of the experimental type rather than a pedagogue. If I cannot give my own lectures (yours) and lab. to my section of Freshmen next year, I may resign my full-time appointment for a half-time position. For that I would give Systematics, a course in which no one would interfere. The rest of my time I could spend at the Museum on my flora.

Yours,

5/6/26 - NY

MIAMI UNIVERSITY

OXFORD, OHIO

DEPARTMENT OF BOTANY
BRUCE FINK, Professor.
GILBERT L. STOUT, Instructor.
JOYCE HEDRICK, Research Aid.

May 6, 1926

Mr. Otto Degener
University of Hawaii
Honolulu, Hawaii

Dear Mr. Degener:

Ever since the volcanic eruption of Krakatoa, I have wished that I might study the lichen successions following that great eruption. For many years I have wished that I might make a trip to the islands, get somebody interested in that problem to follow it through the years, and then make a general study of the flora for myself while there.

However, any chance of my doing anything on the flora of the islands seems to have passed. Since those days I have taken on the study of tropical lichens and am also about half done with a manual of the lichens of the United States. Much as I should like to help you and much as I would be interested in a study of your lichens, I am compelled to say against my own wishes that I dare not undertake the work. I would suggest that you try Miss Anna Lorain Smith, Kew Gardens, London, England. If she finds it impossible to do the work, I shall be glad to suggest one or two other Europeans.

Very truly yours,

Bruce Fink

BP-KC

MOUNT HOLYOKE COLLEGE
SOUTH HADLEY, MASSACHUSETTS
DEPARTMENT OF BOTANY

June 10, 1926.

My dear Mr. Degener:

Many thanks for the *Marsilia villosa*. It performs beautifully. The sporocarps are most effective as to their coats; it seems to me that I remember some one at Chicago germinating *Marsilia* sporocarps which had been on alcohol for several years.

We are so dead poor as a result of building a new laboratory that I can hardly venture to have any collecting done this year, but perhaps later I can.

I shall hope for the *Diellia* - it may turn up with your extensive collecting.

Please give my regards to your sister.

I am sailing day after tomorrow and expect to see Professor Bower in England; he is to preside at the Botanical section of the British Association meetings at Oxford in August.

Very sincerely yours,

Oliver G. Slocum

6/10/26

J. B. POINDEXTER
ATTORNEY AT LAW
516-517 KAUIKEOLANI BUILDING
HONOLULU, HAWAII

June 17, 1926.

Mr. Otto Degener,
" Mr. Henry Wiebke,
Lihue, Kauai.

a Dear Sir : -

The insurance people appraised the house on your property on Vancouver Highway at \$3500. for insurance purposes, therefore I had insurance placed on the building for that amount, with policy running for three years from June 15th. The premium is \$35. I am inclosing bill for the same. Please forward check payable to P. E. R. Strauch for this amount.

Deed to the property was delivered and same has been recorded.

Very truly yours,

J. B. Poinexter

[*Rater Governor*]

8/9/76

R. E. TORREY
AMHERST, MASS.

Sunday August 9, '80

Dear Otto:

I'm far in arrears in regard to correspondence with you, but I want you to know that I have appreciated your letters and the "preserves" which you sent. The Diatomaceous earth will last us a thousand years; the Caulerpas are the first we ever had. the Bananas with seed will be useful in systematics while the rare *Heliconia* rests with Mr. Muller at the plant house. He will make it grow if there is growth in it better than Mr. Ball could.

Your last letter seems to have hidden itself, but I recall that you and your sister were touring the islands with one of your students and that you contemplated an affair with your returning botanical boss over Botany!

I quite understand your attitude. When one has built up a course after much labor and it works pretty well, it is hard to listen to a lot of advice about making changes and introducing matter with which one has no living contact. There are always so many people who can't teach and more than Goldfish, who like to give advice. This doesn't always mean that they are wholly at fault; it means that each of us has to see Botany in his own way and to get the best results he must teach it his own way. Probably however, most of us could get

valuable hints if we would listen more and incorporate such phrases as are consonant with our own outlook. A good way to treat such advices is to listen respectfully and then go right on doing as one has been doing.

But perhaps your Big Chief will be good enough to let you alone. And if worst comes to worst your plan of part time work doesn't seem a bad one. You can call your course "Systematic Botany" and put in whatever you consider needful to the health of their souls.

I hope the "Flora" is coming on well. I thought of you when I was looking over Hitchcock's book on methods in Syst. Bot. not long ago. Doubtless you have the book.

Did you get the box of "canned goods" which Shumway sent you? I don't think he has heard from you and he wonders if it arrived. I kept an eye on most of his material and I think you will find it satisfactory. There were some things that were not in condition last spring (Chara. and Saxifera e.g.). Do you still want them? We are to have a boy (Gustafson) out collecting soon and he can get them if you do.

As to news here: Ted Ryger has gone to the Offami Exp. Sta. to work on apple-scab (Thrilling idea isn't it!). John Perry is in France at the University of Grenoble on an army fellowship. George Church ~~and~~, Bob Woodward and Frankie Jesert are at Harvard, though this summer

R. E. TORREY

AMHERST, MASS.

Bob is in Labrador with an expedition. Leo Wood-
worth is in Rochester N.Y. as hospital interne. Dave
Patten drove across the continent this summer.

I'm fixed in Amherst for the summer. Have
finished the revision of *Test. Ch.* Part II and am
now working with Mr. Kenney for money for publica-
tion. It won't probably be out till the second
term. This year Dr. Fernald's Ent. and Gordon's
Zoo are to come first term with Botany in the
winter. A New England winter is such a lovely
time to study the "little flowers!"

Prof. Pennin recently made more trouble for us
by getting Orton Clark transferred to full-time teach-
ing and putting in Linus Jones for Station physi-
ologist. Orton is to help me!! They fear I am
overworking! Such consideration is touching.

Harry Johnson sent me a letter recently. The boy
is going at such a rate that he writes like
Linnaeus - leaving out all verbs and superfluous
words. He has "over one hundred varieties of water-
lilies in flower - is starting a mass of cacti and
succulents - getting in touch with tropical botanic
gardens - writing a book on water gardens. He
says: "DeGener sent me some seeds the other day
after some months silence. Wish he could come
over to see me awhile this summer."

I'm not been very well this year. One doctor says infected gall-bladder, another says appendicitis, a third says there is nothing organically wrong. Meanwhile I go twice a week to an electro-bath to see what he can do. So far there isn't much change. I hope you have got completely well and have a heart like a crocodile.

Mont Cassidy tells me he is coming to Hawaii. He can't stand this climate any longer. He has left M.A.C. but whether he plans to go at once I don't know.

Shumway has resigned his job here (teaching mathematics) and intends to go to Harvard for engineering. He can only get Sophomore standing there.

Well I have given you all the news. Tell me how your teaching business comes out. Kindest regards to your sister.

Sincerely yours
P. E. Toney

to Har - Buller
Dec. 76

EDIBLE PLAS ABOUT US
by
Otto Deger, B.S., M.S.
Staff Member, New York Botanical Garden

Long before the hac visited these islands, the Hawaiians brewed several kinds of tea from Sal plants called kokoolau. These grow in our foothills in considerable profusion, 50 different kinds being known. In general, they are erect herbs only at base, are $\frac{1}{2}$ to 3 or rarely 5 feet high, have thin, simple or somewhat feathery leaves possessing a carrot odor when crushed, and bear at the ends of their stalks a bunch of spreading, bright yellow flowers perhaps half an inch across. Their seeds are blackish to dark gray, long, and may or may not have 2 or 3 spines at the end. A close relative of kokoolau is the Spanish Needle found almost everywhere. This looks like a kokoolau devoid of petals. The Spanish Needle is not used for tea.

The kokoolau grows on the foothills back of Honolulu, along the ridges particularly from Woodawn to Kuliouou, in fact almost everywhere. It is equally common on other islands. When gathering kokoolau for tea be wise like the Hawaiians of old. Do not destroy the plant. Do not pick the flowers that must mature to seed to produce additional plants. Carefully harvest many of the leaves - not all - dry them thoroughly and guard against their molding. When you want a pot of tea, take one or two of the dried leaves, the number depending on their size, and boil them a little until the water turns the color of tea. Kokoolau tea is good with milk or lemon and sugar. I have been drinking it for many years.

About Makapuu and Eco Crater you may see a roadside plant called nehe or lipochaete, resembling the kokoolau in certain respects. The nehe is not the famous Hawaiian tea! Its seeds are fat and often warty, its branches prostrate in one kind and somewhat gnarled and brittle in another. Its leaves are fleshy, or thin and almost sandpaper-like. Do not use that plant for tea. It is said Hawaiians have used some kinds but we have not yet tried them.



10/31/26



Mr. Otto Degener
University of Hawaii
Honolulu
Hawaii
U.S.A.

WIEN, Teichpartie aus dem
Türkenschanzpark

Oct 31, 1926
This park, where the invading
army of Turks was turned
back in the 17th century, is only
a few blocks from my habitat
and is something of a botanical
garden. I have spotted quite
a number of old Connecticut
friends (all labeled, fortunately
for me) and a single fairly
prosperous Hibiscus.
Handell & Palmer

R. E. TORREY
AMHERST, MASS.

Oct. 14, 1926

Dear Otto:

I had expected a letter to follow the lotus roots, etc. but have not received one yet. You are putting me under great obligations and I can only say: Danke.

Shum handed me the list (enclosed) before he left here. I don't know how much of it he sent you but it will enable you to check up if you received the buckets and get in touch with him. A letter sent to George Shumway, Monson, Mass. will reach him.

We heard about the new comer in "Mort" Casady's family. He had his courage to start for Hawaii without a job and with that impending. Best wishes and I hope your anticipated troubles about courses didn't materialize.

Sincerely R. E. Torrey

10/14/26

12/27

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CABLE ADDRESS "COLWAI"
BENTLEY'S CODE

Jan. 2, 1927.

Dear Dr. Torrey:

I have so much to write you that I hate to begin this awful task.

Dr. Bergman wanted me to teach Freshman Botany with his notes. I then told him that if he expected me to do that I would only remain connected with the University on half time. This would enable me to teach Systematics only, while the rest of the time I would spend on Bishop Museum work. After several days' partial arguments and my steady refusal to give in, we finally compromised - I was to teach my Freshmen in my own way provided I would add to my notes some of his experiments in Physiology. The Semester is practically over, and so far He has not added anything to my course.

I have two Freshman Lab. Sections, totaling about 70 students, and I give my own lectures to this mob. Dr. Bergman has the third section. Systematics I give to 12 students. Only two of these have had Freshman work with me last year. I therefore started your course with origin off earth, ocean, plankton, alternation of generations with a vengeance, Psilophyton Flora, Lycopodiales, Psilotales, Equisetales, Cycads, Cycadofilicales, Coniferales, Bennettitales, Ginkgo, Gnetales. Most of this is merely Freshman work in greater detail. Next Saturday, however, I get into the Ammonoites, and from here on everything will be new.

I really like Chief-Rain-In-The-Face. He is a very good physiologist and an excellent organic chemist. He is 6ft., tall, thin, bald, aquiline-nosed, severe, low-keyed in voice, an almost perfect Physico-Chemical thinking machine, and he has a personality that never rises above 390 Fahrenheit. He has his Freshmen get their own plants and lets them study these in the Laboratory without any help at all except for directions written on the blackboard. When his students have drawn some conclusion or have completed a drawing, they take it up to him. He looks the thing over, crosses it out if it is not correct, and sends them back to their seat to do the work over again. If it is wrong again, he crosses it off a second time. This keeps on indefinitely until they fall on the correct answer. He never tells them their mistake, and naturally his students get disgusted while some even fear him. I believe he is trying to train them to become research workers. At any rate, I won't copy that method.

I received Shumway's material. It came too late for last year, but I will be able to use it next Semester. I cannot afford to have any one collect for me anymore because of the red tape in getting money for such labor. It means that I must practically pay this out of my own pocket. The Dept. finances until June are little more than \$50, while this year's library fund has been used up several years ago. I am therefore buying Systematics books myself.

1/6/27 NY

The New York Botanical Garden

Bronx Park
New York City

January 6, 1927.

Mr. Otto Degener
Bishop Museum
Honolulu, Hawai.

Dear Mr. Degener:-

The enclosed invitation has been received and I am wondering if you would consent to act as our representative, or select someone who is interested in the Conservation of the native plants of Hawai to act for us? I would send you some of our literature, postal cards, pictures etc. and they could be mounted, arranged and exhibited. Of course your flora is totally different from ours and except that the Selma is your "State" flower I know nothing about your flora, nor what plants are in danger of extermination. You probably do know of someone who is interested in this Conservation work and would be willing to help.

As we are leaving for Porto Rico on the 20th and shall not be back until April 4th it will be impossible for us to attend, much as I should enjoy doing so.

With all good wishes for the New Year.

Sincerely yours,

E. G. Britton

Elizabeth G. Britton,
Honorary Curator.

Mrs. N. L. Britton
New York Botanical Garden
The Flower Preservation Society of N.Y.

EGB:LB

C. A. AUFFMORDT & CO.

114-120 EAST 23RD STREET

TELEPHONE:
4327 GRAMERCY

New York, Dec. 23, 1927.

Lieber Otto,

Mr. Brodmerkel hat
mir die jüngste Liste von
Ihrem Einkommen außer
das verlynnte Estate of Wm. Degener
+ Estate of M. L. Degener ist, ^{gegeben}
die Estates bezahlen ja für
sich ihre Taxes.

On the Liberty Bonds incomes,
though you report them, you
then deduct them, as ~~they~~ you
don't pay tax on them.

The State Tax I understand ~~that~~
~~is a deduction so also are~~
~~also don't pay tax on, nor~~
~~on sums given for charities,~~
so you ~~do~~ list them as
deductions.

You of course know what
your belongings in Hawaii
are.

Wie ich von Brodmerkel verstand
sagt die bis Mitte März Zeit
da zu bezahlen, better
Hunt Institute for Botanical Documentation

C. A. AUFFMORDT & CO.

114-120 EAST 23RD STREET

TELEPHONE
4327 GRAMERCY

New York, _____ 192__

verify that however so
you surely pay in time.
Of course maybe you don't
pay, as your income
may not be over the
exemption allowed for a
single man. Brod merkel
too thought maybe you came
below it, but of course
we don't know what other
incomes there are of
yours in Hawaii.

Wie f"ohren von Tomor das
du f"uhrst inaffiant bis in
Hindern und trinken
Kaffee. Das ist fair.

Wie oft du j"agt
mit Wangen an f"elke
ist.
Dein
Willie

2/7/27



The Commonwealth of Massachusetts
Department of Education
Massachusetts Agricultural College

Amherst

Feb. 7, 1927

DEPARTMENT OF BOTANY

Dear Otto:

In answer to yours of Jan 2 I must say that you seem to be a busy man and I am glad for you. With 70 beginners and 12 advanced students I can see that your work on the *Flora Hawaïensis* - which by the way is very well done - will be delayed for a while. As I looked over the loose leaf pages you sent I thought of your earlier desire to study everything in the world exhaustively; this seems to come as close to it as anything I could imagine. You have the real German perserverance and scrupulosity - good stuff - and fortunately you have glimpsed something more than a heap of dried plants as your life's accomplishment.

Your chief's "methods" of teaching Botany seem to be cribbed from Agassiz: it might work with machines but I question its practicality with living men. It is about the quickest way I know to make a boy hate the whole subject of biology.

Part II of the Introductory Botany is out and I am using it with Sophomores. Jeffrey has commented that "both text and illustrations are splendid". That reconciles me to the silly old book companies who were afraid to touch it because it was unorthodox. "Some day they'll be sorry." I sunk ~~10000~~ \$1000 in this Part II, but perhaps by the time I am 90 I may get it back. Anyhow I wanted the book printed and I have it. The satisfaction of ones desires when they run counter to conventional opinion is sometimes a costly procedure. Perhaps you have discovered this. But someday we

may succeed in driving a wedge into the iron-clad skulls of the botanical fraternity. It is uphill work, though.

Glad to know that Shum's material came through safely. I had been concerned about it since I let him in for the job and he spent quite a lot of time and gasoline on it. I have already given you his home address - Monson, Mass. George seems to be doing well in Engineering School at Harvard.

Here are a few news items which may intrigue you:

1. The Amherst House burned down recently. Ashley was out of town at the time and lost all his things including a Steinway Grand. He wrote me that his one regret was that the only time his apartment was thoroughly heated he was not there to enjoy it.
2. Takahashi lost his job at the Laundry and has gone to N.Y. to cook for a hospital staff. Mrs. Taki still goes out scrubbing.
3. Orton Clark is helping me with the Sophomore Lab work; he has three sections. Between you and me, he was put off the Exp. Station by Haskell who could not see that Orton's scientific contributions quite justified the money spent. So I caught him on the rebound. He seems to be coming on all right and I let him go his own way except that I prepare the outlines for lab.
4. I have about 20 in Systematics this year. We have just finished the orchids; the kids got quite a kick out of their weird extravagances.
5. No great changes at M.A.C. Lewis is sitting tight and dodging every disagreeable issue. Much talk, much sitting of committees, but since no two people ever agree on anything nothing ever happens.
6. John Perry is in France studying Botany at Grenoble on a French Army Fellowship. Bob Woodworth is going to take charge of the Botany work at Williams College next semester while their regular

man is on vacation. One of our boys - Gustafson - will be his assistant. Williams wants another of our men for next year. Who says that the old cow college can't turn out botanists.

Well you seem to be all right and I am glad, as I always am when "my boys" make good. You said when you left that you had not learned anything new for many months. Does this still hold?

I still see your friend Arthur Richard sometimes. He failed to make his necessary credit hours for graduation in June and will have to come back for another semester.

"Theodora" Ayers is at Orono, Maine at the Exp. Station doing something on apple diseases. I'm afraid Theodore is sinking into a rut.

Hope you see Mort Cassidy occasionally and that the climate agrees with him. Doubtless the little uzzy wuzzy baby is just too sweet for words.

Very best wishes

P. B. Tarver

3/7/27

March 7, 1927.

Dear Dr. Torrey:

Glad to get your letter. My previous one was not completed. This is the next installment.

The First Semester ended a few weeks ago. Of my 2 Freshman Section 65 students completed the course and of this number 11 either were conditioned or failed. No doubt many will pass their condition examination so the slaughter is not as great as it appears. Of 12 Systematists, one dropped the course because of business reasons, one failed, and one was conditioned. These took the course as a "gut" I believe. From this you can see that I am trying to keep the courses more or less up to a collegiate standard.

I won't be able to finish Systematics this year. I have been forced to spend too much time on things that my students should have had before. Only two of the students that are taking Systematics had Freshman Bot. with me last year. They therefore know something about alternation of generations and have a pretty good idea of the lower plants. But the others are teachers and Dr. Bergman's old students. These do not know the things upon which my Systematics course should really be based. I was therefore forced to give my Systematists a modified form of the Second Semester's Freshman work. Now I have but a single semester to go from Anomales to Compositae. This is absolutely impossible. I am therefore going ahead in a slow Teutonic way and will continue the course next year. Ever hear of such a course!!!! For the continuation I will at least have 3 students - teachers two of them. I have just finished the Spadiciflorales and am on the Ranales. Can't you get me some of the stu for next year that I missed this time? I could use Liriodendron and Magnolia flowers and fruits. Also Calycanthus if you have it.

I was awfully sorry to hear that Ashley's things burned. He must have felt terrible about it, after collecting antique furniture, shawls, tomb stones, virginity belts, and armor throughout Europe. You are too far from material things to feel that but I am still in the collecting stag and realize what it must mean to him.

You say your text is finished. Who publishes it and what is their price? I bet my notes are just like your textbook unillustrated. If I get this textbook for next year (provided Dr. Bergman and I do not have a fight about giving Freshman Botany before that time), how should I teach from a text? Should I assign certain pages and then merely start discussions? No lectures at all. I wonder what I could do.

The cockroaches at my hotel last year were terrific. On the average, I would get one every second day, either fried crisp with my bacon or among my eggs - you never get those pests at the Davenport for evident reasons. This broke the camel's back. So when I saw a house for sale at auction

near the University, I bought it. This house had dry rot in it and was in pretty bad shape from neglect because the former owner could not have it repaired since his gambling losses were too great. A few days after I bought the thing, two other people offered to buy it from me. Apparently it is an investment, not and will never be a loss to me. It cost about \$2000 to repair the place - almost more than the entire house was worth. Because of this heavy expense, I am doing all the house painting myself and living with the minimum amount of furniture and conveniences. I have so many other things to do, however, that so far I have only painted part of the porch although I bought the house last May. I am satisfied but not wildly enthusiastic about it - whether I sleep there or at the hotel makes little difference. I do all my work at the University anyway, going there almost every night. What may make your mouth water in respect to my place is the garden in which grow the following specimens valuable for Systematics: *Mango*, *Avocado*, *Hibiscus*, *Oleander*, *Bananas*, *Mesquite*, *Ginger*, *Canna*, *Bamboo*, *Bermuda Grass*, *Cyperus rotundus*, *Centella asiatica*, an unreported sedge, and an unreported *Hydrocotyle*.

My sister has been staying with me since August. She leaves for New York next week. My family, therefore, consists of 2 women, each above 25 years of age, a student, and 2 babies. THESE LAST ARE NOT MY OWN! My sister and I live in the house while the other 4 live in the garage which the student and I remodelled into a very livable house having 2 rooms and bath. This is the fellow who was my best Freshman last year. He went on my collecting trip this summer, being paid by the University for the work. He needs money as he must work his way through college. He has a scholarship to his advantage and a wife and 2 babies hanging to his neck. He wants to become a physician with those encumbrances. His wife is keeping house for me and at the same time attending a teacher's training school. He helps me in the Laboratory and with the correction of papers. For these favors, they have no expenses for food and lodging. This is a very convenient commensalism - both of us gaining. A certainly cannot afford a servant, while he cannot afford a house.

Some other day I will write you about this student. He is heading along the Tertium Organum, Occult World, 9th Vibration direction but I cannot push him any further. He needs advice from a person like you. The Hawaiians, by the way, had such theosophical ideas and seemed to dissociate their spirits from their bodies - He himself seems to have experienced these things when he was little and had done something that bothered his conscience. Now, however, he thinks his conscience is more hardened and that therefore such phenomena have left him. The Hawaiians had a special name for this, and all know what you mean when you talk about it - it seems mixed up with *kahuna*-ism, praying people to death, etc.

So much for gossip - Can you lend me a few coal slides again!!!! I wrote Jeffrey last year for some but he was in Australia at the time.

Yours,

4/7/27

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CABLE ADDRESS "COLWAI"
BENTLEY'S CODE

April 2, 1927.

Dear Dr. Loomy:

I have two things to tell you. The one concerns myself and is unimportant, but the other involves a possible catastrophe ~~which~~ of which the anticipation gives me a sickening sinking feeling in the stomach. Now I need advice and help but doubt that any one can give it. You may be too philosophically cold-blooded to give any advice except that I should let Nature take her course - a course that I will fight since I am an instrument of Nature myself.

I have been kicked out of Freshman work for the future! But don't get worried about it. It is not because I have failed but rather that ^{graduated} the people here have not risen up to the level of my course. I swear this is not conceit on my part but actually the truth.

We have had a change in administration rather suddenly, President Dean resigning and becoming the Director of a Pineapple Experiment Station that is just beginning to bud, while Prof. Crawford, former Entomologist but primarily Extension Director, has become president. The president's brother is Superintendent of Education and for ~~our~~ policy is pushing the Vocational Idea in the schools and especially the back-to-the-plantation idea. This naturally influences President Crawford, especially since he was Director of the Extension Department and thus came into contact with the more practical Rabbits of the islands. Therefore for next year he wants a one semester Freshman Botany Course offered which will be required by everyone, not as now a full year's course obligatory to students of the College of Arts and Sciences. He wants this to be elementary and practical - in other words a degenerate hybrid between true Botany and

Agronomy. Neither Dr. Bergman nor I am to give this course. He says he does not want to have Bergman teach it because he is not interested in teaching. And he knows my views and absolute aversion to such a course. Consequently he is looking around for a third man, who will be a very practical botanist emphasizing, I imagine, sugar cane and pineapples. I then am to give Systematics as an elective to the mental wrecks surviving the Practical Course and to spend my spare time on Research. Dr. Bergman is to forsake most teaching for research on Pineapple and Cane.

The bad feature of this change, besides the warped outlook the practically trained students will have, is that I will not keep my hold on the Freshmen to gain numerous recruits for Systematics. Otherwise the plan suits me well enough, especially since I have been getting sick of the routine of lab. work and my inability to do anything else.

Crawford I believe thinks a lot of me and likes me. He, by the way, helps me buy my house. He wants me to think and what I require for my Systematic Course, offers to make me Assistant Professor (he may forget his promise), and promises me financial aid for this summer's collecting. Nevertheless, I think his plan for a practical botanical course is not the only nor possibly the real reason why he wants some one else. I think my stress on evolution in the Freshman Course is probably swallowed with indigestion by many parents of my students. Hawaii is not as bad as Kentucky, although settled by missionaries. But it is worse than Mass. Last year I had an elderly lady connected with the Salvation Army in my course who thought I was inviting my students to Hell. And evolution especially worries them here because the supposedly ungodly Annals by such pernicious antichristian scientific teaching are being kept from swallowing orthodox Christianity hook, not line and sinker. This year I was warned (or threatened) by one of my students, a Mormon elder type about 30 years of age who teaches Agriculture, that I had no right taking students on collecting trips on Sundays even though these trips are purely optional. He maintained that the trips kept them from Church and that the students felt that they

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CARLE ARTHURS "COLWAI"

BENTLEY'S CORP.

must go so as to get higher grades from me. He told me also that he had previously complained to the Regents about a similar case. An unfortunate thing happened 5 years ago when I was leaving Hawaii. A very refined passenger on the boat talked to me on the evolution question and I explained it to him, taking for granted that he thought pretty much as I. I remember that I told him that the old should retain their old ideas but that it was up to us to convert the new generation. Finally I discovered he was of the Stuart Maui type when he told me that it was dangerous to listen to reason but that we should go by faith. Last semester I had his son in class without knowing it. He left college after the first semester - too much pernicious evolutionism no doubt for his parents. I flunked the son of the Assistant Director of the Experiment Station because of his stupidity. This flunk and a few others put him out of college. His parents I know criticize me bitterly. There are always several evolutionists in class but they are not rabbits though their missionary parents may be. At any rate I never antagonize anyone's views but always tell them to think for themselves and not necessarily to believe as I. Of course since my entire course is based on evolution they just can't escape seeing it to the shock of their parents. I also think I may have shocked the right ones by painting my house and cutting the grass on Sundays. That is unforgivable. I notice that Rugman never mentions evolution and that in Zoology they only take up Darwinism, etc., but do not build their lab. exercises on the evolution string. Possibly they have learned to be cowardly wise - I won't!! No use teaching under such conditions.

Let me start the other thing from the very beginning. Year before last when I began my Freshman Course with a laboratory, a part-Hawaiian student marched into my class with the others. The moment I saw him walk into the room I was afraid that I was not good enough to teach and lead him on. I don't know why I felt that way - but possibly it was the courageous way he walked into the room with his eyes searching around him hungrily for knowledge - possibly an cure?

At any rate, he was conspicuous ~~out~~ out of over a hundred others that entered the same day. He soon became my best and most enthusiastic student, and I soon learned to know him very well. Whenever I was struck for lack of lat. material, I got him to get it for me and he proved very reliable. Naturally I soon knew him intimately and towards the end of the year had him help me correct test papers of the course in which he himself was a student. Then during the summer vacation I engaged him as my assistant collector and traveled and camped with him on the Islands of Hawaii and Kauai. Then I learned about his whole life and his plans for the future.

His grandfather was a fugitive from Germany who came to Hawaii with his family. No one knows why he left Germany. He seems to have been some kind of inventor or scientist of means. He bought up much of the island of Kauai and did all kinds of enterprising un-
heard-of things like inventing and building a mill for the making of tapioca. He also had huge cattle and swine lands. To the latter, he would drive old horses, shoot them and then quickly gallop away as the almost wild pigs, attracted by the shot, would run up to devour the dead horses. As he grew old, he sold and gave away much of his land because he could make no use of it. Cattle in those days were sold for 25 cents a piece, only the high having value. At the time of his death, there was one young son, born in Kauai. He therefore could not be sent to Honolulu to school and grew up uneducated. He married a Hawaiian woman with a little Chinese in her and has a few children from her. After she died he married another Chinese-Hawaiian who had been adopted by some wealthy German plantation owners. From this marriage my friend arose. During his baby days they lost most of their remaining lands by helping out a more or less worthless brother of his mother. The father seems to be some thing of a dreamer-naturalist unsuited for practical things - I mean ~~that~~ the way you are unsuited to be a business man - because of personality. He is interested in Nature and takes home anything that interests him and plants it. Growing he knows nothing scientific - just what he has learned through experience. He is now ^{a permanent} ~~returned~~ plantation overseer who, however, works every day just to keep busy. He is not well off but lives with his Hawaiian wife in a modest country home with a garden and chickens etc. He is, however, the intimate friend of all the old millionaire German plantation owners on Kauai.

My friend grew up in this queer part-savage part-civilized state. Whenever he got sick the mother would call in a Hawaiian kahuna to make him well. In fact when he did anything wrong when little, he would get violently sick (due to conscience?) and

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

CARLE ADDRESS "COLWAI"
BENTLEY'S CODE

although in his at-home would be seen by some of the old Hawaiian women friends of his mother standing somewhere. This dissociation of body from spirit is well known to the Hawaiians and they even have a special word for it. The friends then would then come to his mother's house and tell her about it. The kahuna then would get him well? Naturally as he grew up in this plantation environment he associated with the worst kinds of hums and got contaminated. He was decent enough to tell me how rotten and sensual or better say unmoral he was (for which I admire him). In Kauai he was one of the best students. Then he came to ~~Hawaii~~ Honolulu to attend a large school (Kamehameha School with which the Bishop Museum is connected) reserved only for Hawaiians. He landed in Honolulu.

42/11/27
The Governor of Hawaii and Mrs. Wallace R. Farrington
request the pleasure of your company
at a banquet in honor of
Honorable Hubert Work
The Secretary of the Interior
on Monday evening, April the seventh
Nineteen hundred and twenty seven
at seven o'clock
at The Royal Hawaiian Hotel Ball Room

R. L. V. P. to the Secretary of Hawaii

Raymond C. Brown, Secy
The Capitol
Honolulu, T. H.

place no address on
date

Mr. Otto L. Jones

4/8/21

The Commanding General
and Officers of Schofield Barracks,
request the pleasure of the company of
Mr. Otto Eugene
at a luncheon in honor of
The Honorable Mr. Work,
The Secretary of The Interior
at the Engineer - Staff Club,
Friday, April the eighth,
at one o'clock P. M.

R. S. V. L.

Agaricus

Lycopodium

Trichomanes

Crustacea

Liliaceae

Fruticose



MEMORIAL HALL

ASSOCIATE ALUMNI
OF THE
MASSACHUSETTS AGRICULTURAL COLLEGE

OFFICE OF THE SECRETARY
AMHERST, MASS.

April 21, 1927.

Dear Mr. Degener:

We have received no reply from you to our March letter. Only 34 replies have come in with checks totaling \$153.00. Did we make clear the definite need for a contribution right now? Remember this is a final drive on the Memorial Building Fund for cash to clean up the note on June 1st of this year.

You who have enjoyed the advantages which Memorial Hall has brought to the campus ought to be glad to take part in this last effort to remove the fetters of debt. 2147 alumni who have never realized the advantages which Memorial Hall affords to undergraduates have contributed an average of \$68.78 each. More than 600 alumni have contributed \$100 or more for this, which to them is primarily a splendid memorial.

We are asking you for a small contribution but we need a great many of them. Immediate action is imperative. Make out a check right now payable to Clark L. Thayer, Treas. and mail it to him at French Hall, M. A. C.

"If everyone helps a little, much may be accomplished."

Sincerely yours,

Sumner R. Parker

Sumner R. Parker
Secretary.

577/27

May 7, 1927.

Sumner R. Parker, Secy.
Alumni Association,
Mass. Agri. College,
Amherst, Mass.

My dear Mr. Parker,

I failed to answer your letter of March last because my disgust in regard to the Memorial Building Drive during my days at M. A. C., yet persists. I still remember some of the "pep rallies" staged to gain funds for this worthy cause. One of these consisted in raising the enthusiasm of immature youths to an abnormal pitch and then quickly rushing them into signing pledges whereby they were induced to promise to pay an abnormally high sum for this undertaking. As they were not given the opportunity to think about their pledging in a fair way, it is little wonder that many of these promises have not been kept.

I fear that you have unjustly inherited the inevitable result of a former unwise practice, and sympathize with you in your trouble.

Sincerely yours,

4/26/27



The Commonwealth of Massachusetts
Department of Education
Massachusetts Agricultural College

Amherst

DEPARTMENT OF BOTANY

April 26, '27

Dear Otto:

Your letter came in March but I have been swamped with 180 Freshmen and 15 Juniors & Seniors in Systematics. So I proceed immediately to business: I'll try to send you *Opuntia* and *Calycanthus* fls. and fr. as a part exchange for all you have sent me. I think the former are just coming out.

As to text-books - you can get both Parts I & II ad-lib. at the W. G. C. Bookstore. As to its use I explain the text (it is very concentrated) and supplement by bringing in a lot of new material both from plant and animal side. Use the text as a sort of lecture syllabus and bring in all your experiences of life, death and the rest of it. Lantern slides help and you ought to have some one to copy figures for you from books and magazines. You will find that students get the work far better when they have a text to chew on. The discussion of great biological principles offers a chance for both animal and plant material.

Much intrigued by your new home and family made necessary by cockroach afflictions. Also inter-

ected in hearing about your student with occult
tendencies. Dissuade him from all hokum - it
sounds like black magic unadulterated - and direct his
mind along normal lines if he is really serious and
not a mere ~~curiosity~~ hunter. Through you he should
have access to the Th. Quarterly (if you don't take it
you are missing a lot). It would be his best line of
approach. There is material enough in one number to
keep him busy till the next comes. If he wants to look
up the set advertised in the "Quarterly." And for
Heaven's sake don't let him get caught up into
any psychic perversion like Occultism or Tingsyism.

Post-chases: I'm sending them under separate
cover.

I always like to get one of your newsey letters:
I'm glad and proud of your success. You have
common sense and such a big sense of humor
that you will never be a fool - as some folks
I have "nourished" turn out to be.

Sincerely

P. E. Tovey

P.S. Thanks much for the Lotus etc. May boys
get quite a kick out of them. The perfume was
still there even after the formalin treatment.

P.S. 2 Prof. C. H. Thompson is still here. P.E.T.
and would doubtless be glad to see your Walpin.
P.E.T.

5/3/27

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

May 8, 1927.

Dr. Elmer D. Merrill,
University of California,
Berkeley, Calif.

Dear Dr. Merrill:

Thank you for your advice on Hydrocotyle.

I was sorry to hear that you failed to receive plants in exchange from the University or from the Museum in the past. As you no doubt know, the University Herbarium was sent to the Museum by former Pres. Dean several years ago. To do this, a special act was passed by the legislature and so it is impossible for me to get this collection back to the University where I could more readily work with it. For all practical purposes, then, I feel as though the University had no herbarium any more and that I have not the right to take any of Rock's duplicate specimens deposited in the Museum to send to you.

Because of the inconvenience of studying the plants away from the University, I am trying to build up an entirely new collection. I therefore spent last summer with a student assistant collecting on Hawaii and Kauai. I am going to Maui this summer to collect with the same man. The first set of plants collected will belong to the University while all subsequent sets will be my own.

What I desire most in exchange for my plants is literature dealing with the Polynesian Flora and your advice on specimens that I cannot identify. When when these more immediate wants have been satisfied, you

might either send me plants or possibly have your institution help finance some future collecting trip. The booklet that I now particularly desire is one that you wrote on the Philippine plants and their synonymy. I came across it during my last few weeks at the N. Y. Bot. Garden. If I had found it earlier, I would have saved myself months of unnecessary work. I unfortunately forgot the title.

Sincerely yours,

5720/27

UNIVERSITY OF CALIFORNIA
OFFICE OF THE DEAN
COLLEGE OF AGRICULTURE
BERKELEY, CALIFORNIA

May 20, 1927.

Mr. Otto Degener,
The University of Hawaii,
Honolulu, T. H.

Dear Mr. Degener:

Referring to your letter of May 8: I am sending you today one of the three remaining personal copies I have of my enumeration of Philippine Flowering Plants, 4 volumes; I am also including in the package some reprints of recently issued papers, that is those published since I came to Berkeley. I do not have access to the bulk of my reprints of earlier publications as I left most of these in Manila. If you are interested in securing copies of some of my earlier papers, I can select a fairly large number of these from small sets that I have at the herbarium. I do not know, however, that you are particularly interested in these publications, which appertain mostly to the Philippine flora.

I am, of course, more or less familiar with the botanical situation in Hawaii from personal contacts. My general idea is that in a place as small as Honolulu it is highly advisable that the systematic work in botany be centralized in one institution. Some times, however, this is impossible, owing to the personal equation; and I judge that it is not particularly easy to cooperate with the present botanist in charge of the work at the Museum. However, much of the essential literature is in the Museum Library, and I presume that it would be your plan to work in close cooperation with that institution.

I have available very little indeed appertaining to the literature of Polynesia, that is for exchange purposes. I shall, however, be very glad to supply you with reprints of such papers as I have at my command; and as indicated in a previous communication, I can supply you with named, duplicate, botanical specimens.

Referring to your last paragraph: I think that it might be feasible to assist in financing botanical trips in Hawaii, the terms later to be arranged through the newly organized California Botanic Garden in Los Angeles. In this connection, you will doubtless be interested in the enclosed statement. I am already arranging for field work in botany at various places in the Orient through local residents. If the plan appeals to you I would like to make some similar arrangement with you whereby collections made on the basis of funds supplied by me would be divided on an equitable basis between you and the California Botanic Garden. I am interested at the present time, not only in building up a general reference

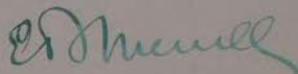
Mr. Otto Degener

-2-

5/20/27

herbarium, but also in having available a series of duplicates from various parts of the world, to be used for exchange purposes. I would be very glad indeed to have your reaction on what could possibly be done, provided I found it feasible to place a sum of money in your hands to be used at your discretion for financing botanical exploration in Hawaii.

Very truly yours,



EDM/EDR

E. D. Merrill

5/27/27

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Honolulu, T. H., May 27, 1927.

My dear Degener:-

Yours of the 24th. inst, at hand and I am quite delighted with your kind invitation to join you. I have taken the ~~xxxx~~ matter up with Mr. Clarke and he says that I may have the first two weeks in August but that will probably be cut to ten days or a week so if it all the same to you I will plan for that time. So far as roughing it is concerned, I can stand quite all that you can give.

I shall expect to be personally conducted all through the crater and over the ditch trail and have all the rare and interesting plants pointed out to me.

The whole thing sounds most attractive and I am most grateful for the invitation.

Yours most sincerely

D. L. B. Topping

IMPORTERS OF
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COMPOUND TRUCKS

5/28/27

May 28, 1927.

Dean Lewis E. Ford,
College of Dentistry,
University of Southern California,
Los Angeles, Calif.

My dear Dean Ford:

Mr. Fred S. Kagihara asked me for a recommendation to your institution as he expects to enter it this fall.

Mr. Kagihara just completed my full year course in Freshman Botany. During the First Semester in a class of over 100 students his grade ranked better than the average of the class. During the Second Semester he was my best student, receiving a grade of over 90 per cent with only two other men.

Mr. Kagihara is a young man of fine character and pleasing personality. He has developed into an excellent student, who does much of the original thinking in class. He is conscientious and usually spends most of his spare time in the library reading a wide range of scientific books for pleasure.

I have learned to know Mr. Kagihara well and feel convinced that he has chosen a profession for which he is well adapted. I am therefore glad to recommend him as a prospective student to the College of Dentistry of the University of Southern California.

5729/27

14-2-27

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

May 29, 1927.

Dr. Elmer D. Merrill,
University of California,
Berkeley, Calif.

Dear Dr. Merrill:

I received your letter of May 20 and was rather amazed by the enclosure referring to a new California Botanical Garden. I know it will be a success, and I will be delighted to send you seeds of Hawaiian plants for it. I still have a few seeds of the rare *Kokia* left, a beautiful small tree that I consider a pretty good amnestant genus between *Hibiscus* and *Cossypium*. I also have seeds of *Hillebrandia*, the peculiar primitive and showy Hawaiian *Begonia* genus.

May I suggest an idea that I have long held in regard to planning a garden? Of course, this may work out on paper better than in a Garden. I would like to see the beauty of a large part of your tract sacrificed for instruction in Taxonomy. Why have botanic gardens merely senseless collections of confusing exotic plants that mean nothing to the visitor or student but a weird array of plant growth? Have part of the collection so arranged that one can start at one entrance and there meet the most primitive vascular plants. From these should diverge many different paths along plantings of more highly evolved genera until we reach a phylogenetic cul-de-sac. For example, why not work out such a logical group as the Piperales and Spadiaceales in a planting? Begin with *Saururus* and *Houttuynia* if possible and have these lead on into *Piper* and *Peperomia*. Then follow up one of these lines into *Acorus* which would lead you logically into a beautiful collection of *Araceae*. One line could then go through *Pistia* into *Spirodela*, *Lemna*, and finally come to an end in *Wolffia*. The other line would double back to a plant like *Monstera* that develops pin-natifid leaves by the death of tissue. From here get into the typical palms through *Hydianthus*, *Carludovicia* and *Phytolophas*. Then double back again to the *Cycanthaceae* and make up a line with *Freyinetia* and *Pandanus*. Still another planting might arise near the base of the *Pandanaceae* which will go to *Sparganium* and finally peter out with *Lypha* as the ultimate end of another evolutionary line. In general, I think, progressive evolutionary lines should lead forward while regressive lines, such as the one ending in *Wolffia*, should swing back toward the entrance of the garden.

It would be fascinating to work out even small evolutionary tendencies and equally fascinating for the visitor to follow them out if they were properly and fully labeled. It would certainly be very instructive to see the probable origin and ultimate modification of the corolla from *Coptis* through *Aquilegia* and *Delphinium* to its end in *Aconitum*. Such a display, if properly explained with labels, would move even some of your most rabid California Fundamentalists into Evolutionists.

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

I accepted my position at the University of Hawaii under Dr. Dean two years ago on condition that I be given full freedom to teach the Freshman Course and Systematics in my own way. This went well until last year when the Freshman Class became so large that the head of the department was obliged to take one section and I the other two. As his Freshman teaching is planned on the Agassiz method and his central theme Physiology while mine is Evolution, there is less unity in this course than desirable. To avoid this and certain comparisons of instructors, he has asked me to forsake a method of teaching that I am convinced is the better one. Since Dr. Dean who guaranteed my intellectual liberty is no longer president, I have asked for a leave of absence from the University for an indefinite length of time. This has been granted, and a Mr. Bean of California will take my place. I am now in the happy position where I have an abundance of time to devote to the study of the local flora, but not an overabundance of funds to enable me to finance extensive collecting trips.

Last year while Dr. Dean was president, the University gave me \$500 for my summer's collecting trip. Of this sum I paid \$450 to my student assistant. This left me \$50 to pay for food and lodging for my assistant and myself, for transportation for myself and my own car from Honolulu to Kauai and return and from Honolulu to Hawaii and return. In addition I had the expense of paying for the upkeep of my car and for equipment. From this you can readily estimate that my three months' collecting trip was a staggering financial burden to me.

When Prof. Crawford became president, he intimated that I would receive considerable financial help from him for my proposed trip to Maui this summer. I consequently took a chance and rented the only available house on the slopes of Haleakala before some one else should take it. I also made arrangements with two students to help me in my work during their vacation. Last week Pres. Crawford told me that absolutely no funds would be available for collecting for at least two years. This summer's burden is consequently too great for me and I am frankly searching for aid. I am more than willing to continue to devote all my time, my salary and my private income to the collecting of Hawaiian plants but I cannot go beyond that. I also need help from others so that I may be able to collect more extensively. We have still a little time to make herbarium specimens of many interesting endemic plants that will be extinct in the near future due to the inroads of civilization, to cattle, and to vigorous introduced weeds.

Would your Garden be able to aid me in my collecting by a lump sum and by buying my duplicate specimens at a modest rate? If I had sufficient funds at my command, I could afford to hire horses to take me into the wet "ditch trail country" on Haleakala. I could also employ more collectors. Of course the summer has advanced too far to launch a large collecting expedition. What I will do, however, (because of your tentative offer) is to try to employ another man to collect on Maui. I have in mind one of my better Hawaiian students who comes from the west part of the island and knows that region well. If he accepts my offer, I would take him to Haleakala for a time until he knows what to do. Then I would

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF BOTANY

take him to Haleakala for a time until he knows what to do. Then I would send him to the mountainous part of West Maui to collect in that region while I collect around the crater. Since all of us would be collecting on the same island, I could easily direct the work and see that the specimens are properly handled and labeled. I have enclosed a map of the region to which I would like to send this extra man. Next year, if you should see fit, we could plan a real expedition to some little-known island like Molokai.

The books that you kindly mailed me have not yet arrived. I guess they will be here in a day or two.

Kindly let me know your decision soon. From June 9 my address will be Olinda, Maui.

Sincerely,

6/17/27

College of Dentistry
University of Southern California
122 East Sixteenth Street

Lewis E. Ford, D.D.S., F.A.C.D.
Dean

Los Angeles, California. June 17, 1927

Mr. Otto Degener,
Dept. of Botany,
University of Hawaii,
Honolulu, T. H.

Dear Mr. Degener:

Your letter of recommendation for Mr. Kagihara duly received, and I wish to express my appreciation to you for the same. I have written the young man that he is eligible for admission and for him to make application on the blank forwarded and I would take care of his enrollment.

There is also another young man in your University who is making application for admission and who has also been accepted. He is Mr. M. Kagawa.

We are graduating five or six Honolulu boys this year, who will be returning to the Island to take the coming State Board Examination. I think we have more University of Southern California Dental graduates in Honolulu, than any other school. We have quite a number now enrolled and we hope that the students from Honolulu will continue to consider our institution favorably. We have found them a wonderfully fine set of young men. They are not only good students academically and technically but they enter into the University spirit and take part in all activities. We have always enjoyed the students from the Island.

Again expressing our appreciation for your co-operation, I remain

Yours very truly,

Lewis E. Ford
Dean.

LEF/D

6/27/27

UNIVERSITY OF CALIFORNIA
OFFICE OF THE DEAN
COLLEGE OF AGRICULTURE
BERKELEY, CALIFORNIA

June 27, 1927.

Mr. Otto Degener,
Olinda, Maui, T. H.

Dear Mr. Degener:

I have read your letter of May 29 with interest. I should have been answered sooner but I have been out of town practically all of the month of June. Your suggestions regarding the development of the botanical garden in Los Angeles are interesting and may possibly prove to be practicable. On account of the very large area available for ultimate planting I do not believe it would be desirable to follow your suggested arrangements for the entire garden. It seems to me, however, that a selected area might be set aside for plantings to represent the phylogenetic system. It is, however, too early at the present time to state just how and when the actual Botanic Garden will be developed.

Referring to the latter part of your letter, I am unfortunately not in a position to finance any extensive expedition at the present time. I have received authority to expend limited funds for botanical exploration, and this money I am placing in the hands of individuals in various parts of the Orient for subsidizing field work in botany. In most cases the amount of money supplied to any one individual will be small, say from \$100 to possibly \$300, and will be expended largely for paying for the services of native collectors. Of course this is a very economical way of securing large quantities of botanical material, as in most Oriental countries the wage rate is very low as compared with what is paid in the U. S., or even in Hawaii. The work is being done on the basis of collecting more or less "in bulk", so that I will have a considerable amount of duplicate material for exchange purposes. If you are in a position to operate in any part of Hawaii on a more or less limited scale, even though it be for a comparatively short period, along the lines intimated above, I could doubtless secure authority from the Garden Foundation to turn over a limited amount of money to you. In the meantime, however, I have communicated with Mr. Topping, asking him if he is in a position to utilize a small amount of money to cover the expenses of his collecting expedition.

In the present stage of development of the California Garden, I do not see where the institution would be justified in supplying you with a lump sum to cover collecting expenses and at the same time purchase duplicate specimens. I could, however, probably handle the matter either one of two ways, that is by supplying you with say \$250, to be expended at your discretion with the definite understanding that the material collected would come to me, with the exception of at least one set of duplicates which would be retained by you; or I could arrange to purchase a single set of duplicates from you at current rates.

Mr. Otto Degener

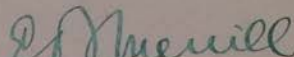
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6/27/27

The California Botanic Garden has already had presented to it one private collection of somewhat in excess of 50,000 mounted specimens; and I have recently received authority to purchase another private herbarium containing about 65,000 specimens, for which approximately \$2,400 will be paid.

Many thanks for the seeds of *Kokia* and *Hillebrandia*.

Very truly yours,



E. D. Merrill

EDM/EDR

Dean, College of Agriculture

6/17/27

144
50
28

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Honolulu, T. H., June 17, 1927.

My dear Degener:-

I think of you every day, all the gorgeous times you must be having and all the interesting plants you are taking in hand and it seems almost too good to be true that I may join you later-have even commenced to get some hiking outfit in shape such as boots and trousers or rather breeches.

I had a letter from Merrill and I quote as follows: "I wont try to name the material but please ask Degener to send me a list by numbers. I am in correspondence with him." So you see it all rests with you whether I get any identifications or no and you two cannot very well leave me holding the sack. As soon as you get back I shall expect to be told all about the things that I passed on to you.

He also puts up a proposition to me for doing some "general botanical work" in Hawaii but when I come I think I will pass it on to Webke; he wants Hawaiian material in quantities and while I am working, I do not want to take it on.

How about my bringing some supplies along when I come?

My regards to Webke and nothing more at present.

Yours sincerely

P.O. Box 2356.

D. Le Roy Coffey

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Honolulu, T. H., July 19, 1927.

My dear Degener:-

I have delayed answering your letter until I could get something definite to write you about my coming and the best that I can do will be to leave here on the Mauna Kea Thursday night, July 28 which will get me in to Kahului the next morning that will give me about three days to prepare for the trip up the mountain. Unless I hear something different from you that is what I will do.

Do you want me to bring some bot. driers etc. --all that I want to collect will be ferns and what I do not collect I shall expect you to give them to me-how about that.

Also do I have to have anything but hiking clothes-I do not want to see anybody that will not see me in such dress.

If you have any suggestions to make drop me a line.

Yours until I see you

D. Le Roy Topping,

P.O.Box 2356.

IMPORTERS OF
HAGEOL
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7/26/27

Dear Mr. McEllan:

Makawao, Maui T.H.

July 26, 1927.

I am now botanizing with three ^{student} assistants on the Island of Maui. I am trying to amass material so that I can write a new flora of these islands, in imitation of Dr. Britton's flora of Bermuda. At present I am having an extremely interesting time collecting strange plants in rain-forest ~~with~~ ⁱⁿ ~~as~~ ⁱⁿ barren volcanic wastes.

I just came across a ^{rare} endemic Hibiscus called *H. Brackenridgei*, which has yellow flowers. You might make use of it in crossing to change some of your red or pink ^{over} Hibiscus to orange. I enclose some seeds for you.

I remember at Smith's Parish Church is a beautiful leguminous tree with purple flowers. The plant is *Rauhocarpus violaceus*. As it is not found in Hawaii I would be ever so much obliged to you if you could send me some seeds.

~~of it when you~~ gather some of its seeds
for me when you happen to pass the place. ~~it is~~
~~very~~ The ~~plant~~ ^{flowers} impressed me so much
when I collected it ~~with~~ them with Alan
in 1921 that I always wanted to procure some of the plants.
It certainly should be planted widely in
Honolulu.

Alan should come to Honolulu and
pick out our useful fruits, vegetables
and ornamentals to ship back
for introduction in Bermuda. I hope
to see him here some day.
Please
Remembers me to him and to the rest
of your family.

Sincerely

9/18/27

Sept. 10, 1927.

Dr. Elmer D. Merrill,
University of California,
Berkeley, Calif.

Dear Dr. Merrill:

I just returned from my collecting trip on Maui and hasten to answer your letter of June 27. It would be entirely out of the question to furnish your garden with all my duplicates for \$300 since the cost of food, lodging, and assistants alone exceeded five times that amount. I will be glad, however, to give you one of my exsiccates at the rate of \$10 per hundred. Then if their cost should exceed your available funds, we can later make some other arrangements so that you will have a complete set - a gift if need be.

My summer's trip was a very profitable one from a collector's standpoint. I felt obliged, however, to get a large quantity of material for possible future sale and consequently the quality of my specimens and their labeling may have suffered.

I spent about three weeks in the Crater of Haleakala, part of the time with Mr. Topping. We had half a dozen packhorses to carry our provisions up the mountain and to bring our plants back to the village. Later I went to West Maui for about two weeks to collect on Mt. Eke. Here I found many exceedingly rare plants, most of them endemic to the summit.

I am at present engaged in poisoning my plants and in completing a zoological paper that I had put aside since 1923. It will therefore be some time before I can get my plants ready for distribution.

Some time ago you wrote me that my use of *Centrostachys* as genus was incorrect. As I cannot use *Achyranthes* according to the present *America* Code, will you please give me the generic name and its citation that am supposed to use. I am taking the liberty of bothering you in this matter since my library facilities in Honolulu are somewhat limited.

Do you know of any western institution that would care to buy a set of my plants? The Calif. Acad. of Sciences has already subscribed.

Sincerely yours,

9/30/27

UNIVERSITY OF CALIFORNIA
OFFICE OF THE DEAN
COLLEGE OF AGRICULTURE
BERKELEY, CALIFORNIA

sept. 30, 1927


Mr. Otto Degener,
The University of Hawaii,
Honolulu, T. H.

Dear Mr. Degener:

We have located an enthusiast in Santa Monica who is very keenly interested in propagating ferns from spores, and has excellent facilities for operating on a fairly large scale. I wish, therefore, that, as you prosecute field work, you would rough dry fronds or parts of fronds of Hawaiian ferns having mature sori, and mail these direct to me or to Dr. E. B. Copeland, c/o Garden Foundation Inc., Edwards & Wilbey Bldg., 609 So. Grand Ave., Los Angeles, Calif. Specimens of ferns for propagation should not, of course, be dried by artificial heat. There are no restrictions on the importation of seeds. The packages should merely be marked "Botanical material - for scientific purposes".

In looking over the situation in southern California I have been surprised at the total number of exotic ferns now in cultivation there, and we would be interested in seeing what can be done under proper conditions with Hawaiian species.

Very truly yours,



E. D. Merrill

EDM/EDR

Oct. 17, 1927.

Director, Indian Museum,
Calcutta, India.

Dear Sir:

I have been working on a paper dealing with the hermit-crabs of the Hawaiian Islands and have collected about 16 different species, some of these new. Among my catch are two species about whose determination I am doubtful. The one is probably Dardanus (Pagurus) punctulatus and has inner lower border of merus of left cheliped beset with spines. The other is very similar but the chela is narrower and the inner lower border of its merus is entirely smooth. Possibly this is D. vulnerrans. I have compared these with the descriptions in your publication by Alcock on Ind. Decapod Crus. Pt. II. 1905.

I would be ever so much obliged to you if you could send me a specimen of each of the above hermits for comparison with my Hawaiian material. I will be glad to return them and to mail you some of my own hermit duplicates for deposit in your museum if you desire.

Very sincerely yours,

10/25/27

1XA House
Amherst.
Oct 25 '27

Dear P.

I hadn't heard from you for such a lengthy period that I thought you must have been married, but I trust that such is not the case. I came late to Amherst with the result that Mrs. Shumway had leased all her vacant rooms and I had no preference as to living at the frat. I don't mind it nearly as much as I thought I would. What studying I do is performed at the Stockbridge library and at night I can study in my room as it is quiet after 7:30 P.M.

Incom has transferred to M. I. T. and writes that he is painting Boston red. Greenaway, Merrill and Chanter reside at the 1XA House and are leading rather sedate lives - except for Merrill. Eladora is in great demand this year and is strenuously competing with a couple of Freshman

co-eds for first place as queen of Sheba. The new co-eds are a nice looking lot and one or two of them are actually beautiful. Jeff is selling hosiery on the side, and rushing the girls as a vocation. Once in a while he studies.

As to myself, major in economics and study Eng 25, Eng 28, Physics, Ec, An Hrs, Bot, and The Science of Military Tactics under the supervision of Corporal Brady P.O.F. He and I love each other just as we always did. Speaking of studying it's a pastime I very seldom engage in. I enjoy all of my subjects and seem to like school better this year. Physics is a joke and also En. Hrs. Now don't faint, but I rank my botany course as first, I'd like to take all of my courses under Doc. Tarrey, but of course he doesn't teach economics so this is my last course under him. Mackinnin is teaching the ec. course and it's no more economics than is solis duty. He simply talks stories of his travels and experiences in other countries.

27-X-27
So you have now conceived the
idea of limiting your herbarium
of American specimens and dealing
more with the Hawaiian ones?
I should think the latter one would
be more interesting to you.
If you correct errors in the naming
up of other plants you get a fairly
good deal of credit don't you?

In reference to your trip, I might
say that one month would be
a very appropriate time to cross
the continent in - also we wouldn't
be apt to see so many vile reptiles.

As to our problem of vehicles, I
trust that we will fare very nicely.
Have you decided to any extent
what type of machine you are going
to cross in?

I reminded you to Teadora and
Cladara. I'm sorry to say, but
Teadora does linger at the co-ed
tables and especially at the one of
a red haired maiden.

Well close and hope to hear
from you again before the snow
falls.

Yours
Mrs. Thompson

11/2/27

Nov. 2, 1927.

Prof. Charles Thompson,
French Hall,
Mass. Agri. College,
Amherst, Mass.

Dear Prof Thompson:

Some time ago I mailed you specimens of *Wolffia* and of *Lemna* from the Island of Oahu. I wonder whether you would identify them for me authoritatively.

It may interest you to know that *Lemna* in the Hawaiian Islands grows commonly on dripping perpendicular rocks. I doubt, though, that the local species is peculiar to the islands as I fail to find any record in the literature about its presence here. I suspect it to be of rather recent introduction but probably earlier than *Spirodela* and *Wolffia*.

I remember your talk on the Lemnaceae in Clark Hall several years ago and consequently am questioning you about these plants. You have good material for comparison from different parts of the country and you know the plants better than others.

Sincerely yours,

M.A.C. '22.

Dear Mr. Segener

I broke my word to you and went to the library Wed. night. I had to look up some articles on new methods of teaching for my class in education. Our prof. who is also my principal asked me to make a special report so what else could I do? All the copies of "School Science & Math" are in the U of H. library. I knew if you saw me you'd think I was an awful leaver. Besides, I can't sit at home and try to concentrate while some one is sawing away on a violin; especially since the lady tells me she can't play well when I listen. Thursday night I went down there again to read your letter. I couldn't open it at home. It was raining so I couldn't go out for a walk either. I was just writing you a note to tell you about going to the library when I looked up & saw Henry W. ^{to the side of the room}. I was panic stricken. I didn't know whether to flee or to stay. ~~However~~ I punched Dowson who was sitting at the same table & said "Please walk home with me." He agreed & I felt much relieved. Just then Henry W. rushed down the stairs. He had seen me evidently. I was just as unwilling as I for a meeting. ^{All my alarm for nothing! Funny, isn't it?} You need have no fear about him, because 1st he doesn't want to and ^{because} 2nd ~~and~~ I don't. So that is par. I'm going to write you one more letter before I depart for Miami. I have ~~one~~ ^{one} more thing to tell you.

3

The latter part of July our friend Mr. Topping came to visit me. Shortly after he arrived, I became ill with an infected foot. Mr. Topping therefore wandered around with the others. As soon as I was up again, we drove to Honolulu, slept on the beach and then next morning drove up the pineapple road on Pohakupu le Gulch. Wiebke and I stayed back while Mr. Topping and Lindsey climbed down a steep inclined down which ~~was~~ the ditch laborers slide their provisions on rails, to a ditchman's house. Here they borrowed a flashlight and then walked through a series of tunnels under two mountains to reach Honokahau Gulch. They arrived at a second ditchman's house and then started their ascent up Eke. Mr. Topping reached the marsh immediately below the summit and was too exhausted to go further while Lindsey made a quick dash to the top, grabbed some remarkable silverswords and then walked back with Mr. Topping. When they did not reach the ditchman's house by darkness, Peter DeMello, the head ditchman became worried and drove a special automobile through the tunnel, met them in the tunnel, and drove them back. Wiebke and I were also greatly worried when it became dark, yelled at the top of our voices for Mr. Topping and finally started out with lanterns to search for them. When we came to enquire of the head ditchman which trail to take, we saw Mr. Topping quietly sipping tea as the ditchman's guest.

Wiebke and I then asked Mr. Topping and DeMello all details about Mt. Eke. and a month later then came prepared with lanterns, provisions, blotters, newspapers, etc., put them on an improvised sleigh and then slowly slid them down the mountainside on the rails from the car to the first ditchman's house. DeMello then put them on the tunnelcar and drove everything as far as the tracks would go. Thereafter they were packed on wheelbarrows on a new flume into which water had not yet been run, and then finally carried by the ditchdiggers to the last ditchman's house. Here we lived as paying guests for about ten days in one half of the house. The place was primitive but scrupulously clean.

Wiebke and I climbed Eke by taking the ditchmans trail to the very top. It was his duty to read the rain gauge once a month. By the time we reached

The most important fiber plant of the Hawaiians was not the mamaki but the wauke or Paper Mulberry. This plant, whose native home is not definitely known, was carried to Hawaii and throughout the Pacific by the Polynesians in their migrations. In these islands it was carefully cultivated until a hundred or even fifty years ago when the customs of the white man had more generally displaced those of the Hawaiians. Even today, plants may be found persisting in an occasional valley as, for example, in on Molokai. The mamaki, however, was the second most important fiber plant, possessing fibers of somewhat coarser nature. As the making of bark cloth from the wauke and the mamaki was such an important occupation of the Hawaiians up to a few generations ago, it is not amiss to describe it in some detail. But as no very good contemporary account of the local manufacture has come down to us, we can do no better than follow Dr. W. T. Brigham in Ka Hana Kapa, one of his many, excellent monographs on Hawaiian customs. He quotes from Sir Joseph Banks' Journal concerning the manufacture of cloth in Tahiti from wauke bark, a method essentially the same as that practiced with wauke and mamaki in Hawaii. The old wauke blankets

is strip in to a long string and keep in a bundle
 the ^{one} end of this bundle is burn
 keep fire instead of using the han wood all the time when they
 need fire
 This is the way they



Dear Toto:

My room mate and myself having established ourselves in a successful business which yields us approximately \$10 per week per capita, have decided to pay all our just debts therefore I take this opportunity to deliver to your place of profession the \$6 and 50¢ which I owe you, with apologies for the delayal:

Our method of extirpating money is by delivering sandwiches, milk and so forth to the fraternity in the evenings. In addition to this method of income I earn \$5 per week waiting on table and about \$1 for services (all kinds) to Doc. Crampton so you

may guess that after a summer
of travel and adventure I am
enjoying life on a comfortable
income.

How is cara etc! I rec'd your
work of art and also the
assortment of canned fruits
from the island. For your
own sake I hope you're not
straining yourself either by
lifting trunks or by nocturnal
devotions to old widows or
their daughters or whoever they
are.

I remembered have numerous
snapshots to send you as yet.
Keep up your courage; I'll send
them!

It's a safe conclusion to draw
that you are deeply engrossed
in botanical matters, and are
very happy in your primitive
clime. In some ways I envy you.

Hoping to hear from you
before reading of your marriage (5)
Yours

Dick

31 Pleasant St.

The New York Botanical Garden

Bronx Park
New York City

January 9, 1929

Mr. Otto Degener
2220 Vancouver Highway
Honolulu, Hawaii

Dear Mr. Degener:

I beg to acknowledge the receipt of your interesting letter of December 28, with enclosures, addressed to Dr. Britton, who left for Porto Rico on December 20. We are pleased to learn that your relations with the University are being worked out to your satisfaction. We will communicate your remarks in regard to the specimens to Dr. Rydberg and Mrs. Mitchell.

The meetings of the Botanical Society of America, the American Association for the Advancement of Science and Affiliated Organizations brought large numbers of botanists to New York during the Christmas holidays. A sad occurrence was the death of Professor Coulter, a few days before he was to have attended a dinner in his honor and have received a testimonial from the botanists of the country. Dr. Shear, Professor Sherff, and Dr. Neil Stevens were among those in attendance.

Trusting that you have no further trouble with Trichophyton and with best regards, I am,

Yours very sincerely

Marshall A. Howe

Acting Director

MAH/GMS

1/9/28

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

HAWAII AGRICULTURAL EXPERIMENT STATION

Honolulu, Hawaii,

January 9, 1928.

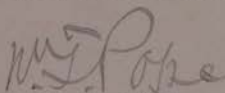
Professor O. H. Degener,
The University of Hawaii,
Honolulu, Hawaii.

Dear Sir:

I have your communication in reference to Mr. McCallan, Director of Agriculture for Bermuda who desires to have a supply of seeds of the papaya. This Station will be pleased to furnish you seeds of a number of types which we have in experimenting here at the Station.

The papayas are not designated under varieties as we have not as yet succeeded fixing varietal characters. However, all of the seeds that we save are from selected types and I think will give the gentleman in Bermuda some improved strains.

Yours very truly,



W. T. Pope,
Horticulturist.

WTP:rm

2/9/28

R. E. TORREY
CLARK HALL, M. A. C.
AMHERST, MASS.

Feb. 9, 1928

Dear Degener:

We were glad to hear from you again but sorry to learn about the troubles you are having.

As to your difficulties with the Dept. of Botany I don't see any way out for you until the present head leaves unless you can effect a reconciliation, which from your letter does not seem probable.

You must realize that in using my books and coming out boldly for generalizations which border upon metaphysics you are flying in the face of entrenched orthodoxy. These books have tried to stand 4-square to truth and I anticipated these results unless they were used with caution.

In what follows you may think it looks as though I had abandoned the good fight. It is not really so. Perhaps I have begun to see a little more. Anyhow I have learned that direct opposition to officialdom is one of the surest ways of losing one's cause and that if one uses tact the most difficult subject may be brought around. This is not a council of fear: it is rather a recognition of the fact that the work is so supremely worth while that one learns to be patient with the scientific children and does his best not to antagonize them.

The day of active opposition to entrenched materialism and dogmatic theology is over for the time; they will gradually decay as the century advances. The wise man now deals with the new shoots which begin to arise, and in handling people it seems to me that he does well to keep the same thought in mind. We ought then to forget so far as possible the evil in men and concentrate upon the good

which is latent in them (which is eternal), and to assist its growth in every possible way. You have felt this - you have only to extend the radius of your work to include even your opponents.

To be very practical now about that B.M. matter. They seem to have staked out Hawaii as a private biological claim and they resent intruders. Now of course they are no more entitled to it than you are but they are on the ground and have the power. Would it not be better to try to make certain concessions to them. Could you not write the Director a courteous letter to the effect that you quite unwittingly find yourself a trespasser and that you would like to effect a rapprochement through which you might become a collaborator rather than a rival - that the work seems too important to be hampered by misunderstandings. If you have been a bit too "streng" with them frankly admit that mature deliberation shows that you were wrong to take such an attitude. Such a letter ought to bring a decent reply and when things are settled down my advice would be: Work, work and don't talk. Along the same line you may be able to clear up your U. of H. difficulty

During the last few years you have learned to stand on your own feet and to do your own thinking. You ought to continue to do so but it is not necessary to tell others too much about it. The time has come when you can if you will take the next step ahead. And that means self-control and the constant attempt to crush out every ignoble, unbrotherly thought or deed. Take this from "A Song of Life"

"When we give up our own self-will and bow to the Light in another we draw forth wonder and willing help; the Lord of the inmost fortress sees in us a friend and all doors are open to us".

That will be your magic key if you can learn to use it; it will admit you into the most select Museum in the world.

Let me hear from you again as to the outcome. I want you to be

really happy and not have you try to substitute for happiness the feverish rush of sensations of anger, pride etc. which are the terrible chains through which most men bind themselves and yet suppose that they are possessed of freedom to do as they please.

I had a letter from Dr. Larsen a few days ago: very little in it except an invitation to come to Hawaii and play at botany during my "Sabbatical Year". Can you imagine a State Legislature voting us a Sabbatical. Why should lazy professors who have to work only 18 hours a week be always wanting vacations !

Sincerely

2/13/28

UNIVERSITY OF CALIFORNIA
OFFICE OF THE DEAN
COLLEGE OF AGRICULTURE
BERKELEY, CALIFORNIA

Feb. 13, 1928

Mr. Otto Degener,
2220 Vancouver Highway,
Honolulu, T. H.

Dear Mr. Degener:

Many thanks for the seeds of silver leaf
that you sent; I will try to grow these in Berkeley.
The package of living material came a few days ago
and most of the specimens appear to be in good shape,
although there was some decay in transit. I am trying
to propagate this living material out of doors in
Berkeley.

Very truly yours,

E. D. Merrill

E. D. Merrill

EDM/EDR

2/17/28
2220 Vancouver Highway,
Honolulu, T.H.
Feb. 17, 1928.

Dr. J.H. Rose, Curator,
Smithsonian Institution,
Washington, D.C.

Dear Dr. Rose:

My collecting expenses for botanizing on Hawaii, Kauai and Maui for the past two summers have been so high that I am trying to sell my duplicates. Has the Smithsonian any funds available to buy this material? With additional funds, at my command, I could collect more efficiently in the future.

I plan to collect on Molokai this summer. Dr. Britton has promised me \$500 to help defray my expenses and naturally receives the first set of all Hawaiian Island plants that I collect. I am sending the second set to Dr. Merrill for 310 per Century and could send you the third if you desire it.

I have been collecting with Dr. C.L. Shear in the mountains around Honolulu during the past two weeks. Here we find few endemics due to the ravages of introduced weeds and cattle. I am convinced that this deplorable condition will soon occur over practically the entire area. It is therefore high time to gather the endemics before they become extinct. And as far as I know, no one seems to be doing it except I. I wish you would talk to Dr. Shear about this, and also use your influence with Mr. Cammerer to save the endemics in the National Park from extermination by trespassing cattle and hogs. In Hawaii we are at present doing to the plants (and animals) what the people in the states did to the Buffalo and Passenger Pigeon.

Sincerely,

4/17/28

22322 Vancouver Highway,
Honolulu, T.H.
Feb. 17, 1928.

Prof. B.L. Robinson,
Gray Herbarium,
Cambridge, Mass.

Dear Prof. Robinson:

I have been botanizing for the last two summers on Hawaii, Kauai and Maui and during that time have amassed quite a number of duplicates. Have you any funds available to buy a set at \$10 per century? I am giving my best set to Dr. Britton, one to Dr. Merrill and one to the California Academy of Sciences. I could send you or the Smithsonian the next as I slowly get it together.

As I am now a "free lance" in Botany, I feel I should defray at least the extra expenses I incur in collecting duplicates by selling them at a reasonable rate to institutions that will make use of them. I do not intend to gain thereby, or if I should, such funds will be spent on future botanizing trips.

It may interest you to know that I am going to Molokai for plants this summer. It is a great pity that more people are not here to collect the endemics, many of which will be soon extinct due to the ravages of cattle and wild goats, commercial interests, and introduced weeds.

Sincerely yours,

3/6/28

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM
WASHINGTON, D. C.

March 6, 1928.

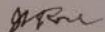
Mr. Otto Degener,
2220 Vancouver Highway,
Honolulu, T. H.

Dear Mr. Degener:

Your letter of February 17 is at hand. Dr. William R. Maxon is now in charge of the National Herbarium and arranges for the purchase of specimens and the like. I have been talking with him about the plants that you have been collecting, but he tells me that at the present time he has no funds for purchasing plants. I would suggest, however, that you write to him direct, towards the end of May or early in June, telling him about how many plants you have to dispose of, and just where they are from. I should like very much to see a set of your plants here in Washington, although we do have a rather large series of plants from your islands.

When Doctor Shear comes back I will try to see him, and perhaps he can see Doctor Maxon and tell him about what you have been doing during the last two years.

Yours very truly,



J. N. Rose
Associate Curator,
Division of Plants.

3/20/28

2220 Vancouver Highway,
Honolulu, T.H.
March 20, 1928.

Dr. Charles C. Flitt,
3953 Lowndes Avenue,
Baltimore, Md.

Dear Dr. Flitt:

I am delighted to learn that you have time to work on the lichens that I may be able to gather in the Hawaiian Islands. I am sure very little work has been done on the group as a whole. It would therefore be a pity not to pick up occasional specimens during my botanizing in the more remote regions.

As my aim is to work up the Vascular Plants of these islands, I hope you will forgive my sending you lichens packed in the most expedient rather than conventional way. I cannot afford to take too much of our time from the preparation of my Higher Plants as their gathering and describing is the sole aim of my botanizing. In the past my student assistant and I have usually been cramped with material whose pressing alone would keep both of us up so late that we would be too exhausted to do much collecting the following day. You can readily understand that the final preparation of lichens for deposit in a herbarium while we are camping in the wilds of Molokai would be too much of a burden.

I am mailing you under separate cover the lichens that I gathered up to date. I trust most of them will be suitable for study. For all but two envelopes, I have retained no duplicates so kindly help yourself to characteristic specimens, or fragments of specimens if need be, and return the rest to me.

I plan going to Molokai shortly after Easter to botanize until Sept., with one or more assistants. I hope it will be satisfactory to you if I mail the lichens collected by us during this trip direct to you in labeled envelopes or newspapers. They would be put up in a manner similar to the specimens I am mailing today. I would prefer to send you my entire "catch", you returning at least one fragment of each number to me when only one specimen exists. But whenever plenty of material is at hand, of course help yourself liberally before returning the rest to me for distribution.

Sincerely yours,

3/128



S. S. CALAWAH

Sometime in March 1928
Somewhere at sea:

My dear Degener:-

I tried to get
out to see you before I
got away but somewhere
there seemed too much to
do and I also felt rather
lagged out.

Bush gave me David Starr Jordan's
"The Higher Fowlshakes" which has
amused me very much - have
had a little of all kinds of birds -
have a most comfortable crowd
on board - no snobs.

I suppose it will be Malohai for
the summer - in 1929 I will help
you do the upper parts of Mount
Tee & Mauna Loa. Aloha oe
D.C.
Jefferson,
Scho. Co.
L.H.

Topping

The package which I
found in my storehouse
took me back to Malohai
and the headaches will come
in fine for extra lunch
the luncheon? many
thanks for all.

Have had a perfect no
no for - that is a fantastic
and no one has missed
a need which are quite
good.

575728

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NOEL-TOPPING CO.

"VALUES FOLLOW TRAFFIC"

HIGHWAY CONSTRUCTION : STREET PAVING

2330 FIFTH AVENUE SOUTH

ST. PETERSBURG, FLORIDA

May 3, 1928

My dear Degener:-

Your letter of March 26 addressed to Jefferson was forwarded to me here where I am visiting a nephew while I wait for the snow to settle in N. Y.

To go back to what I last wrote you, I had about a week in Los Angeles and climbed Mt. Wilson with one of the Trail & Mountains Club men from Honolulu - it was an interesting trip and saw many new things as it was my first climb on the Pacific coast; Merrill came for a business trip and was so tied up that all I saw of him was a dinner we had together - I did not even see the new

Botanical Gardens as they are a long way
out and Copeland is in charge and as
you know I do not care for him.

We made several stops in Mexico and
Central America but it was not feas-
ible for me to get out into the country.
I got a tremendous thrill out of "The
Canal" - worth the whole trip - and when
we spotted Barrer Colorado Island with
its camp I wanted to jump aboard
and stay there - if there is ever a second
time I will make the stop.

At Havana I went to the Botanical
Gardens - Gen. Weyler's old residence -
and saw a few things that were
new to me and of course interesting
but could find no one to explain
anything. Havana is a fascinating
place to visit but I prefer Honolulu
to live in.

Came across to Bay View and

NOEL-TOPPING CO.

"VALUES FOLLOW TRAFFIC"

HIGHWAY CONSTRUCTION : STREET PAVING

2330 FIFTH AVENUE SOUTH

ST. PETERSBURG, FLORIDA

stay~~ed~~ all night and came up by
rail in the daytime, something I had
always wanted to do and found it
interesting - had a couple of days at
~~the~~ Miami and came here by bus
via Lake Okechobee.

A few days ago we drove down to
the "Royal Palm Nurseries" at Oreo and
in talking with the man in charge he
stated that they would like very much
to have some one in Hawaii to collect
seeds for them and so I took the
liberty of giving them your name
and thought you might pass it on
to Henry - he might make some spending
money - Dr. Lyne & McEldowney had sent
them some things but of course could
not expect pay for them.

These people have a big, fine business

the best anywhere in the south - saw
a lot of new things about the horticultural
line.

Have visited many nurseries here
and they all show the effect of the freeze
last winter.

Next week I am planning to go by
bus to Washington - it will take four
days, but the buses are comfortable
and you see something of the country.
I hope to hear that this coming trip
to Molokai was even a greater success
than the Maui one and that my camp-
ing influence had some effect.

My regards to Bush, Beers, Henry
Anthony and any others you may
meet.

Yours sincerely,

D. LeRoy Topping

P. A.

Jefferson

Scholar's Co.

N. Y.

5/12/28

The American University Union
173, Boulevard Saint - Germain
Paris, France.

12 May, 1928.

Dear Otto :

By this time I am sure you have forgotten who I am, but I have often thought of you in Hawai and wondered how you liked it and how you were getting along. I have been over here in France for two years now, excepting three months spent at home last summer, studying Botany for the most part, but trying incidentally to acquire a little French. I can manage to understand and make myself understood after a fashion now. I like France immensely, especially Grenoble and Paris where I have been most of the time. Have botanized the Dauphiné Alps fairly well, and parts of the Côte d'Azur and Côte d'Or. Have covered France pretty thoroughly by bicycle, train, and automobile, and have taken a couple of yacht trips along the coast.

But now I must go home to the States and to work. I have a couple of teaching opportunities, but do not know which to take. I suppose there are no opportunities at Honolulu for an embryo botanist with a little teaching experience, a Mass Aggie B.S., and a Harvard A.M. in Botany? Incidentally I acquired a Diplôme de Français (degré supérieur) at the University of Dijon, but that does not mean anything.

Do write a few lines at least; I will be very much interested to hear how you are, what you are doing, how you like Hawai and so on. As I expect to sail for home quite soon, my home address would be a better bet -- 54 Burnham Street, Waverley, Mass.

Saw Dr. Torrey twice last summer and he looked very tired and thin. It is too bad he does not take care of himself, for that feeble body will not be able to carry such a heavy load many years. The college campus looked about the same, I guess; colleges and campuses do not mean much to me, however, except as they may mean opportunities for work and friendships.

If there are no opportunities chez vous this year, now about 1929 - 30? How time does pass; 1930-- that seems years away!

Best of "luck" to you, Otto, and do let me hear from you. I'll see Dr. Torrey in a few weeks, and I hope the visit will be as inspiring as the last. One can at least bask in the reflected glory of a great man!

Most sincerely,

John Perry

[John Perry?]

6/2/28

Kannakakai, Molokai, I.H.

June 2, 1928

Cory
[Cambridge]

Dear Dr. Sear:

Many thanks for your advice of May 3 regarding the possible sale of a set of my plants to the University of Illinois. I will write them when I get back to Honolulu ^{in Sept. 7} ~~and~~ begin distributing the specimens about whose determination I feel absolutely certain. I will also offer the Smithsonian a set against my first offer ~~was~~ ^{was} refused.

Wiebke and I have collected practically nothing for almost two weeks. I sent him off to Honolulu for a few days to beg a fresh supply of newspapers for pressing for his friends and to get a few other things as well. While attending to this work he and his sister were suddenly called to Kanae because of the illness of his mother who has had an obstinate open sore on her leg for over a year. I believe this sore is partly due to her eating raw a certain species of fish, like all good old fashioned Hawaiians, which frequently is the cause of a rash among the people. It is difficult to distinguish from leprosy in its early stages. Neither I nor his wife have heard from him since he reached his parents so I have no idea when he will be back.

I planned to clean up an interesting valley near the cabin while Wiebke was away but a day after he had left me a scratch on my leg became so badly infected that I feared I was getting blood-poisoning, a trouble that spoiled many weeks' collecting for me last summer on Maui. I went to bed and doctored my leg with the few remedies I had on hand. I really felt rather worried for a few days as I was completely isolated in the mountains with the nearest neighbor at least ten miles away and my car at the Kannakakai dock. Luckily Wiebke wrote his wife from Honolulu to drive my car to me. I thus got

down to town Tuesday when I had my scratch attended to,
just for "moral satisfaction," in spite of the fact that
it was healing nicely. Now I am perfectly well again
and am continuing the collecting. The only after-effects
of my scratch is either a lowering of morale or an increase
in common sense. I am now limiting my botanizing
to ditch trails and streambeds until Webber's
return, because I really think this country is too
treacherous with hidden crevices and precipices for a
man to wander through alone. During his absence
I would hate to fall down the type of hole he had
to help me from last summer.

I gave the Beaus my house until September on
condition that he poison my plants with the standard
alcohol- H_2O_2 mixture. I interviewed the prohibition
director before leaving Honolulu and was finally granted
a permit to buy alcohol with the bichloride already
added by the manufacturers. I thought my trouble had
ended. Now I hear that ^{and that he} a new prohibition
director ~~has~~ revoked my permit. Beau and I don't
know what to do. I don't see why Beau, who as
instructor is allowed to use pure ethyl alc. at the University,
should not be allowed to use H_2O_2 alc. at home. My
work certainly requires it and as a professional botanist
I should be granted this privilege. There is no reason why
I cannot be trusted as much as a physician. I hope my
plants will not be ruined by insects before I get a new
permit. I wish you could give me advice in this matter.
If it is not too much trouble, could you possibly, through
your Dept., or through the Smithsonian convince the
chief prohibition director in Washington that alcohol is
necessary for herbarium work and have him instruct
the local director to that effect. I cannot afford to buy it
at \$5 per gal. ^{plus tax} I have no idea what use of his "ap-
proved" alcohol formulas will do to herbarium specimens
after a period of years - the chemicals in 10 or 20 years might
corrode them so as to make them valueless. As the Smithsonian
will get a set of my plants (whether they buy it or not), it is

To this same end of fact that I do not see how I can
do my purpose?

6/25/28

2418 Kuhio Ave.
Honolulu, T. H.
June 25, 1928.

Dear Mr. Degener:

I was delighted to hear from you when I called for my mail today at the university. It had been lying there for some time, as I had not called for it since commencement June 4.

Thanks for the newspaper clipping about the Darwin home. It was very interesting.

I have spent the last week at the museum working on my *Tonja* collection. I spent one whole day in determining one species, but then I made up for it the following day by determining eight. Taxonomic work is interesting. I hope to have my *Tonja* collection entire worked up this summer and my paper on it written. I just received the galley proof of my paper on the Oahu material, and it looks all right to me.

I have not definitely decided when
to make my Molokai trip. It will
not be for several weeks at any rate.
Thank you for offering to drive me
around. That will greatly facilitate
my work.

Have you seen anything that looks
like limestone or "outcrops" on the Island?

I got 95 in German last semester.
Ich glaube, dass ich dir noch
einen Brief in deutsch schreiben kann.

When you write again please
address the envelope to my home
address, then I will get your letter
promptly.

Best regards to you and
Mr. Wiebke.

Yours sincerely,
J. M. Ostergaard

7/7/28

R. E. TORREY
CLARK HALL, M. A. C.
AMHERST, MASS.

July 7, 1928

Dear Otto:-

On my desk I find three letters from you — one of Sept 19 1927, a second, Jan 8, 1928, a 3rd Mar 3, 1928. This will show you that, contrary to my usual custom in regard to letters, I find it hard to throw yours in the waste basket, while it shows me that I probably have not answered your last one.

Now doubtless the matters in yours of Mar 3rd are all ancient history, but at that time Henry was "boiling" and vomiting just like Kilanea, Anthony had ulcerated teeth, and you were waiting for the President of the U. of M. to come across with a job in Systematics. Britton had given you \$300 for Sumner's collecting. Well, how did everything from boils to Britton come out? And how goes the Flora of Lemuria?

As for events at this end of the line I'll try to talk about people you knew, though you are already such ancient history that there is danger that I may get twisted just as I did lately. I met a rosy-faced youngster — in fact he gave me a ride in his car, and though his face was familiar I couldn't place him. Finally I said: Let's see, are you a Freshman this year, and he answered: "Oh no, I'm a new Instructor in Bacteriology". The fellow actually was a Ph.D.

Well, Dave Potter is to be in Clark Hall this summer repeating his experiments on Solanum with a view to "publishing". He intends to convert the starch into sugar by boiling 4 hours in HCl and then test for

sugar by colorimetric methods. This he keeps up for 30 days on some dozen samples a day. And this is what is known as scientific research!

Dr. Leverett Woodworth is still in N.Y. connected with the Edison Company as physician to their employes. He hopes to get a broader position soon.

"Bob" Woodworth received his Ph.D. under Jeffrey in June and goes back to Harvard as tutor in biology next year. His thesis was on cytology of oaks and birches.

Jeff has two other of our botany men - Church, who also received his Degree this year on grass cytology, and Gustafson who is working on Kieracium. Church took some of Fernald's pet varieties of Panicum and found the chromosomes all balled up - triploids, quadruploids etc. He tells me that he never dared tell Fernald: he will let the old boy learn of it when his thesis is published. Woodworth actually found octoploid species of birches; 8X the regular chromosome number. Really it does look as though variable genera like Rosa, Rubus, Salix, Carex etc. are a bunch of cryptohybrids. Jeff himself is working on Drosophila and on various variable marine snails. He finds that in Drosophila, reduction divisions are just as aberrant as in Oenothera. The Morgan crew of geneticists in N.Y. are as sore as bile ever since Jeff wrote in science about the "Fata Morgana which appeared on the exaggerated skyline of the lower Hudson." They refuse to look at his slides and say his technique is no good.

"Pinkie Guterman" called on me a few days ago. Pinkie

is married but is going on at Cornell for his Ph.D. He is working on mosaic disease in lilies. The boy looks thin and I'm afraid he is a bit weary of the Ph.D. grind.

Ted Ayers is also at Harvard working in mycology. He has come up here once with Geo. Shumway (who, by the way, received his Bachelor's degree in Engineering at Harvard this June). I think "Red" is sweet on one of Shum's sisters.

John Perry has just returned from a 2-year French Fellowship and is to go to Williams as Instructor next (this) Fall.

And how about yourself, mon ami. Is Systematics your vocation or your avocation. Do you ever give attention to those matters any more which lie rather outside the field of orthodox botany. If you still receive the Quarterly you might be interested to read an article in the April number entitled: A Study of Fields of Force.

Do you have a garden connected with your estate. You should certainly follow in old John Gerard's footsteps and start a physic garden with all the plants known and unknown in it. You should see my Japanese iris just now; some are almost 8 inches across.

I rarely see Dr. Crampton - he looks more gray and seems to oscillated merely between Fernald Hall and "Ma" Goodwin's. Gilbert still holds down the zoology with Jordan. He is developing the invertebrate phase and last year gave special work on arthropods other than insects - this was for ext. maps. But he found that they were not interested and didn't want to work - same old cry you see!

With the new President there have come some changes. and as usual "we are in a transitional state." Almost every

Dept. had to make concessions but our Botany was left unchanged. Long ago I gave up fighting or making any remarks about what seem to be crying evils. One causes a little ripple for a week or two, but then all quits down, a new generation of students comes on and it is forgotten. This year for the n++++ time the question of becoming a State College has again been agitated. My time is too valuable to be thrown away on such things. All systems run by ignorant men are bound to be imperfect and it is up to us when joined to work through them, to do the best we can, letting our work be hampered just as little as possible and not seeking for trouble.

The newspapers are now all agog over Hoover vs. Al Smith. One would hate to see the P.C. Church and boogie get any further foothold, but don't worry - even if Smith becomes President the forces of reaction will sweep him out after four years. Through this constant pulling back and forth the old ship manages to keep fairly steady so why get all "hot up" over it?

Well, I'm run out of ink and ideas so I'll bid you a fond adieu. Always glad to hear from you and half expect to find a letter in the mail box from you when I carry this. It often happens like that.

P.S. Lots of Faculty in Europe this Summer: the Canes in Norway, Machmer somewhere on the continent; Jago in Italy; Ashley (though no longer on the Faculty) in Spain.

P.E.T.

Sincerely
P. E. Tarcey

7/25/28

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

HAWAII AGRICULTURAL EXPERIMENT STATION

Honolulu, Hawaii,

July 25, 1928.

Mr. Otto Degener,
Kaunakakai, Molokai.

Dear Mr. Degener:

On my return from Hawaii I find a letter from you in reference to a breadfruit tree for Dr. Goodhue. We have two (2) breadfruit trees about four (4) feet high which we will gladly send to Dr. Goodhue for planting at a place that he is developing on Molokai. We will pack these and send them direct to Dr. Goodhue, notifying him through the mail previous to the shipment of the trees.

I had several weeks of very interesting work on Hawaii. Part of the time, I made in a search for different kinds of raspberries. I collected seed of two varieties of the Akala, the dark fruited variety and the yellow fruited variety. I am still in search of the white fruited variety and any other kind of Rubus that will help out the project I am working on. I brought back to the station 4000 or 5000 seeds which I have placed for germination, hoping that I may be able to start them here. My wish is to have a cooperative experiment in Kona, somewhere above 1200 feet ^{elevation} where a number of the varieties of native Rubus may be gotten together and experimented with and possibly hybridized in such a way as to see if we can get some good varieties of resistance to dryer localities lower down. It may be that you can give me some help in this matter. I would greatly appreciate receiving seeds of any species you find if you can kindly collect them; also herbarium specimens or even plants that you might find it possible to get while out botanizing. I am enclosing herewith half a dozen franking tags which would pay the postage on anything that you might be inclined to send me in this genus.

Physician long of paper. I'll send me for all the best part. Substantially. China. The reason for this is that he has discovered he has contracted leprosy.

Mr. Deganer

-2-

7/25/28

I hope that you are having a pleasant summer collecting and trust that some day we will enjoy hearing of some of your experiences and of some of the plants you have found.

Yours very truly,

W. T. Pope

W. T. Pope,
Horticulturist.

WTP:rm

departure of the boat but that
will be easy to find out.

So you may lay to
it that I will be there on
the stated schedule.

Yours truly,

K. Nitta.

[Kazuo Nitta, Degener student
& collecting assistant - not
the J. Nitta, Degener's
factotum & artist.]

7/27/28

1650 Clonafane
July 27, 1928

Dear Prof.

Received your letter and
read it with much interest.
Though, at present, I have a
job and a responsible one too at
that, I wish more than
willing to go to Malokai and
to see if I could keep up with
Nitti's legs (long legs). Hope
that I could and meet your
requirements.

I will go on the next boat
following this letter. I am
in doubt as to the time of

7/28/28

Kaunakakai, Molokai, T.H.
July 28, 1928.

C. P. M.

Dear Dr. Pope:

I just received your letter of July 23.
Many thanks for offering to send Dr. Goodhue the breadfruit
trees. He will be delighted ^{to get them}. I will tell him of your kind-
ness at the next opportunity.

I was interested to read of your *Rubus* experiments
and of the different forms of the species in regard to fruit
color. I wonder whether ^{you have noticed} any other constant differences ~~among~~

During the last few summers I have made quite a
number of herbarium specimens of *Rubus* on ^{of} ~~from~~ Hawaii,
Molokai, and especially Maui. A good set of variations
of the Maui (2 species) and some Hawaiian (1 species)
specimens have already been ^{mounted and} incorporated in my herbarium.
So if you are interested in seeing what the specimens from
different localities look like, why not stop off at my
house, 2220 Vancouver Highway (practically in back of Mr.
Chamber's) and ask Prof. Bean, who rented the place for the
summer, to give you the entire ^{collection} to take home. Then
you might return them to me sometime next winter.
I probably still have duplicates of the mounted plants
hidden away among other genera which I could give you
for keeps if you so desire as soon as I get home and
"rediscover" them.

I collected one species this summer on Molokai and
shipped it home. It is of course still hidden away among
my other finds. When I return to Honolulu I can give
you some of the duplicates of this as well.

I don't quite know what to think of Killbuck's view
of the genus until I compare my Molokai material with
that from the other islands. I remember, on Maui

the specimens are practically always armed though in some cases the spines are early deciduous. The Molokai plants, on the other hand, at least all those that I have come across, never have spines (excepting possibly on vigorous abnormal sprouts). For the sake of the berry pickers yet unborn, would it not be advisable to use the unarmed Molokai form as one of your parent stocks? I have found them bearing only large, deep red fruit of rather better flavor.

Next week I expect to sail for Waialeale or Pelekeane Valleys where I wish to botanize for at least ten days. Thereafter, I will be back near Kamalo getting ready for the last long camping trip previous to my return to Honolulu on Sept. 10. If you should have the opportunity to come to Molokai for two or three days before I leave for home, I will be delighted to drive you up to my wild Rubus patch. But if you cannot come I will try to visit the place alone and dig up some plants for you. I doubt that I would find many fruits to send.

Do you know anything about the litchi relative *Alectryon* that is native to these islands? The fruit is supposed to be edible. I wonder whether that plant would have any economic value.

Yours,
Otto Seegener

8/9/28

Copy

Kaunakakai, Molokai, T.H.
Aug. 9, 1928.

Mr. James G. Camps,
Royal Palm Nurseries
Oreco Fla.

My dear Mr. Camps:

I just received your letter of July 26 in which you state that my estimate of the cost of seeds is prohibitive for you. This I do not doubt at all - it is unfortunate that my collecting expenses are so high.

At present I have two assistants with me. The one receives \$100 per month and the other 75. In addition to that I must feed them and pay for the up-keep of my car, not to mention rent. Then, for instance, to reach the uninhabited windward side of this ~~to~~ island last week meant the hiring of a sampan which cost me \$45 in addition. For us three to spend a full day in search of 100 or 1000 seeds of some ornamental, with no guarantee of success at the end of the day, would naturally be prohibitive.

The only suggestion that I can make is that you abandon the idea of having someone collect seeds of Hawaiian native plants for you in such a manner that you could put them up in packets for direct sale to your customers. The native plants are usually too scattered to make that practical. Instead, why not get the small number of seeds

that can be gathered without too much loss of
time to us as we botanize. Then try to grow
these to maturity in Florida for your own
supply of seeds for selling. To be sure, time
is lost. But you will discover just robust of
the Hawaiian plants are suited to your region.
If you wish, I will be glad to do that for you.
You can then decide when the plants have
germinated or flowered what the value of my
small shipments to you may be and pay
me accordingly (once or twice a year), I thus
leaving the entire transaction up to your
judgment and fairness.

Several years ago I sent my friend, Mr.
Kenneth Boynton of the New York Botanic
Garden Bronx Park, N.Y.C., seeds and
corns of the endemic *Hillebrandia*. I
hear the plants are growing well. You
might possibly get some from him in
exchange for some Florida plants.

The U.S. Exp. Station, Pensacola Street,
Honolulu has developed several fine strains
of *Dapaya*, some having red fruit. You might
be able to buy seeds from them or even get
them free of charge.

I am sorry to have disappointed ^{you} these islands
are ^{hardly} tropical and hence not covered with
jungle of gaudy vegetation. The few species that
you might find of value here are usually
rather rare.

Very truly yours,
A. D. S. Jones

8/28/28

Kaunakakai, Molokai, T.H.
Aug. 28, 1928.

Dr. J. K. Small,
N.Y. Bot. Garden,
Bronx Park, N.Y.C.

Dear Dr. Small:

Last winter I mailed you a few drawings of Hawaiian plants, addressing them to the Garden while you were side-stepping rattlers in Florida. In the accompanying letter, I asked you whether they would be suitable for reproduction, probable cost, and many other questions that I do not recall off hand. Will you please give me your answers and advice now so that I will know whether I should continue the work along the same line that I have begun. I hesitate to have additional drawings made until I hear from you.

If Dr. Barnhart hasn't my drawings and letter, you will probably find them under your desk blotter.

In looking through some books, I came across Miss Eaton's recipe for fudge. No wonder I am beginning to long for my Honolulu kitchen.

Yours,

[9/2/28?] 8/1/28?

9.8.28.

To

Dr. Otto Degener

University of Hawaii,
Honolulu.

Dear Sir,

I have great pleasure in acknowledging the receipt of the reprints of two of your valuable papers on *Lycopodium*, together with a copy of *Flora Hawaiensis* and a reprint of another interesting paper by Misses Stokely and Starr on *Lycopodiums* *Psittallia*. I am really very much indebted to you for your kindly sending me all these reprints and I hope you will kindly continue on this practice in future also. Please convey my heartiest thanks to both Misses Stokely and Starr.

I remain,

Dear Sir,

Yours truly

Chin B

Permanent Address

T.C.V. Singh,

Chief Botanical Assistant,

Institute of Plant Industry,
Indore Camp. (C.I.). [INDIA]

9/18/28

The New York Botanical Garden

Brux Park
New York City

September 18, 1928.

Mr. Otto Degener
Kaunakakai
Molokai
Hawaii Territory.

Dear Mr. Degener:

Your gentile letter of August 28th was recently received.

I saw your communication of November 2, 1927 several times but it always was promptly buried. I have been expecting a thunderbolt from you. I hope you have not been seriously inconvenienced by the delay, but Florida and Iris have been responsible for the delay in my answering your question.

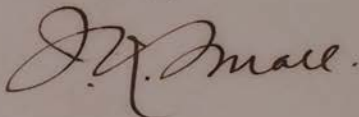
I will now see what I can learn and write you promptly.

I am very anxious to get seeds of Hibiscus and palms, and any other showy Hawaiian plants for growing in Florida, but especially showy hibiscus and palms. If you can send me any seeds of such plants, I will be greatly obliged and send you a set of the Florida seeds I have gathered recently.

Under separate cover I am mailing you some of my papers that you may care to add to your impedimenta.

Will write further soon!

Sincerely,



JKS:LB

2220 Vancouver Highway,
Honolulu, T.H.
Nov. 2, 1928.

Prof. Herbert H. Whetzel,
Dept. of Plant Path.,
Cornell University,
Ithaca, N.Y.

Dear Prof. Whetzel:

Many years ago J.F. Rock, who is now collecting for the Hawaii Laboratory in the Orient, was the botanist at the University of Hawaii. He was very much interested in Taxonomy of the Higher Plants and built up probably the best herbarium of the local flora anywhere. Although the University of Hawaii is strictly a government institution and the local Bishop Museum a private one, I believe there was some arrangement by which Rock was to work at the Museum part of the time. After a while Rock had some trouble with the Director of the Museum, Dr. Herbert E. Gregory. What it was about I do not know exactly. At any rate I do know that finally the legislators by means of a law required that the Bishop Museum be the custodian of the University Herbarium. The entire collection, built up chiefly by Rock, was then shipped to the Museum. In order to study the plants he had collected, Rock was obliged to go to the Museum to do so. Here Dr. Gregory would station a guard over him so that he could not take away any of the specimens he himself had collected from the Museum. The conditions finally became so unbearable that Rock was practically forced to leave the Territory. The chief bone of contention, the herbarium, in the mean time was ruined by insects and this I saw myself in 1922. Of course one must have Rock give his account of his treatment here in attempting to work up the local flora of Hawaii.

The next botanist at the Museum was C.E. Forbes, a young man who seems to have been very conscientious. He was finally so harassed that he died of a heart attack. Mrs. Forbes, who is still in Honolulu, could tell of her husband's difficulties.

Dr. Forest Brown is the present botanist here. He spent, I believe, two years in the Marquesas with his wife, a Ph. D., and contributed \$2000 of his own money for this work. Now that he has completed his manuscript on his Marquesas plants, she says that the director is purposely garbling it so as to disorient him. He has been told that the Trustees of the Museum had dropped him from the staff but when Mrs. Brown saw the Trustees about it they denied Gregory's statement. Now he has been told that he will receive no salary after Jan. 1. Whether the Trustees have approved of this, remains to be seen. The Browns have been shamefully treated, and are willing to tell their story.

For the school year of 1922-23 as you know, I attended the University of Hawaii, received a M.Sc., and collected quite a number of plants here. With my small collection I then returned to the Mass. Agri. College to teach. In 1924 I wrote President A.L. Dean of the University of Hawaii asking him whether a position for teaching Botany would be available the following year. I also added that as I had a very moderate income of my own, I could afford to accept a part-time position, thus enabling me to devote my spare

time to research on the flora of the islands. Dean then sent me an encouraging reply and added that Dr. Gregory, the Director of the Bishop Museum, was interested in my taxonomic work. Shortly after, I went to the New York Bot. Garden where I seriously began my revision of the local flora. All this work naturally was done at my own expense. While in New York, Dr. Gregory came to see me and to ask me to do my future taxonomic work at the Bishop Museum. When he told me that, I anticipated this arrangement with pleasure, namely a half-time teaching position at the University and research work for the rest of the time at the Museum. I did not, however, commit myself to this arrangement.

Shortly before I was to accept my position, Pres. Dean of the University wrote me whether I could not teach full time that coming year because the other member of the Dept., would be away on leave of absence. I therefore promised to defer my connection with the Bishop Museum until at least the following year. By the time my full year of teaching had ended, I had heard so much about the troubles of scientists at the Bishop Museum that I realized that the institution would be no place for me. I therefore evaded all advances that Dr. Gregory made toward me in getting me to work at the Museum.

In the fall of 1927, Dr. Gregory asked me to see him at the Museum. When I went there he told me that I must either "cut loose from the New York Bot. Garden and become a member of the Museum with part-time teaching at the University or cut loose from Honolulu institutions and return to the New York Bot. Garden." These were practically the actual words he used. I replied that since I had studied at the Garden and knew the members intimately, I would naturally send my duplicates to them. Not long after this talk, the new president of the University, Crawford, told me that he wished to change Freshman Botany, the course I was teaching, into Biology. Weeks later he stated that for the sake of greater unity in the Dept., I would be obliged to change my course into a type of which he knew I would disapprove. In other words, he merely attempted to get up some reason for my withdrawal from the University without giving Gregory's displeasure at my being in the islands the reason for doing so. The outcome of this was that I asked for a leave of absence which was granted. I was unable to prove to anyone that Dr. Gregory was back of my ousting until I received a letter from Pres. Crawford in answer to one of mine in which I inquired whether he ever intended to have me teach again. His letter states in part that he is "not sure how the Director of the Bishop Museum would view your appointment." Reading between the lines, one can see that this is a very frank admission that the Director of the Museum, a private institution, is dictating to the President of a government institution whom he should "hire and fire". You cannot really blame the president - he is in a disagreeable position. Unfortunately one of the Museum Trustees is in the Territorial Legislature, so apparently Gregory merely uses him to dominate our President.

Dr. Gregory is apparently attempting to starve me either into submission or out of the Territory because I refuse to work for him and donate my herbarium, which has cost me over \$5000 to amass, to the Museum. I can receive no position at the Museum nor University unless I give in, nor would I be able to get any respectable position in the public schools if I wanted one because our president's brother is Supt. of Public Instruction. There is no opportunity for a botanist here otherwise.

The local scientists are not the only ones that have been unjustly treated. Alex. Hume Ford, father of the First Pan-Pacific Conference of Education, Rehabilitation, Reclamation and Recreation has had his troubles with this man and has written about them in the local newspaper.

Several members at the Field Museum are rather bitter against him. One of them wrote me in regard to a group of plants he is revising "May I state that a Doctor Forest Brown, who I suppose is still at Bishop Museum, has for some strange reason blocked all attempts for the past five years to obtain further specimens from Bishop Museum for study ----- Dr. Brown let me understand that he collected material in the Marquis Islands, but he has refused steadfastly to loan it." Brown, I may add was apparently merely the scapegoat. In a letter a year later, the same man writes "I was very sorry to read of the situation that has developed in regard to your relationship to the University of Hawaii. But from my experience with Mr. Gregory H. Brown, etc. I can believe anything almost. I was talking the other day with a man of high rank here who formerly was at Honolulu and his opinion of the present management at Bishop Museum is very low ----- However, I would for no other teach these other subjects for a living and be free to do the kind of research that I wish to, than to sell myself into bondage to any petty institution where politics and favoritism are the controlling forces."

Now that you know the entire situation here briefly, I wish you would give me all possible information about the Keckshar Foundation at Cornell. As long as my botanical throat is out in these islands, I may feel obliged to ask the foundation to write the local President and Director disapproving of some of their actions here in regard to independent scientists. I do not want their financial backing to continue my work as I would have sufficient if I could teach during the winters - I gladly spend my own fortune for this as I have in the past. But I do want their backing in my attempt to earn a living in Hawaii by teaching Botany. The additional funds that I would receive from such work would of course defray the expenses of my taxonomic work. All my resources go into this project as I have neither family nor outside interests to deplete them.

The conditions here are really outrageous. Dr. C.L. Shear can tell you much about them when next you see him.

Sincerely,

11/6/28

2220 Vancouver Highway,
Honolulu, T.H.
Nov. 6, 1928.

Dean Elmer D. Merrill,
University of Calif.
Berkeley, Calif.

Dear Dr. Merrill:

In assorting my plants I came across some that Topping gave me. I had them mounted and am now filing them away. As soon as the others turn up, I will attend to them likewise and then return your slip of tentative determinations with my added corrections.

In your list, I note Topping sent you quite a number of Peperomias and a Bidens or two. He had none to spare for me. I would suggest that you therefore mail Topping's Peperomias to Dr. Trelease of Urbana, Ills., who is now working on my collection, and mail the Bidens (if endemic) to E.E. Sherriff, Field Museum, Chicago, Ills., or to me. If you will tell them that the plants are merely a loan, I am sure you will get them back in good order. As long as these two men are studying these groups, we may as well have them clean up all the Hawaiian specimens available.

I had quite an interesting collecting trip on Molokai and am now attending to the poisoning and assorting. I will probably have a few hundred plants ready to ship you after Christmas if I do not go off to Molokai again for additional material before that time - I have not quite decided.

Have you a specimen of *Corynocarpus* available. I believe I found a second species for this monospecific family on Molokai and wish to check it?

Have you been able to verify my determination of my *Lactuca scariola*?
You wrote me some time ago to the effect that if I did not hear from you
to the contrary, you considered my det. correct. If I were to follow that
advice consistently whenever I ask for verifications, half my questionable
determinations would remain doubtful indefinitely. I do not wish to trust
to luck or chance in this work.

I am looking forward to Mr. Topping's return. I suppose he will
stop off to see you again.

Sincerely,

11/8/28

Wendell. Sparr
Nov. 8, '28

Dear Otto:

I just started today on its way to you a package of plants collected by one of our Seniors last Summer in the White Mts. and Mt. Katahdin. I think you will find some interesting things among them. They have been pressed and are ready for mounting. As soon, too, as Miss Miner gets it made I will send you a lantern-slide of the Chinese "Radwin-root" whose picture you sent us. The splotch may be meant for ginseng rather than Mandragora. You see I feel sure you will go back into teaching someday and I know that lantern-slides of such funny things are useful.

I have 22 students in Systematic this term and your various Quonias, Eric, Freycinetia's etc. have been very useful. Just gave an Hour Exam today and marks range from 45 to 95.

Mary Boyd (Hanscomb) who lives in Florida is collecting plants for us down there. The collection has been growing this Summer; we have added some 400 new sheets — which, I suppose, is a mere nothing to you, but to us it is a real acquisition because the collect.

con stood nearly still for years.

This summer I went to the Limestone country around Lee in the Berkshires and picked up a few interesting things.

Hope your feet have ceased giving trouble so that you can take to the tall timber again.

Sorry to hear that you have learned nothing new since 1922. Will write you more at another time. Just now must close and go to supper. Have given up the Davenport and eat Dinner & Supper at the "Hark-house".

Now don't think you must reciprocate for those plants. This is only a small return for all the specimens you have sent us in the past.

Sincerely
P. C. Torrey

Dear Mr. Loppin:

I was delighted to get your letter - it ~~was~~ sounds like the account of a wanderlust youth or of an ~~adventurous~~ itinerant ~~gypsy~~.

My Molokai adventure is duplicating the Maui one. I was able to rent a three-room shack in the mountains of Lualaba Molokai for \$10 per month from Mr. ~~Cooper~~ George Cooke. This region is within the collecting zone. ~~and~~ ^{from the house} ~~from~~ ^{by} car in a pretty good road ~~from~~ ^{still better} pasture. I have collected some wonderful things which I will show you when ~~you~~ you return from the Continent.

Henry cut a crude trail northward and we finally ~~to~~ bumped into a small shrubless bog which ~~is~~ duplicates Mt. Eke remarkably. I found the same *Carex*, *Rhynchospora*, *Selaginella*, plants and violet ^{there}. I have not seen these anywhere else so far. ~~of the bog were only a few hundred feet higher, I bet I would have found a rubberwood.~~

I found a new *Portulaca* in ~~the~~ ^{the} West Molokai and 2 or 3 new *Clematis* here. Of course I cannot tell how many other finds of mine are new until I study them at home. I am more careful in noting the characteristics of the plants than I was in the past. But I am still so greedy to get things that I ~~take~~ ^{do not take} ~~enough~~ ^{enough} time for that. The trouble is we collect so much that it takes me until ~~at~~ almost 11 o'clock to press the stuff. After that I am so tired, I cannot do anything else. In a year or two, however, my enthusiasm will abate and then I will be still more careful in my descriptions - give me time.

Not long ago we got into a mess. ~~the~~ ~~the~~ ~~drove~~ We took the car as far as it would go into the mountains and then walked all day long. ~~By the~~ ~~On~~ ~~our~~ ~~way~~ ~~back~~ to the car it starts to rain. When we reached the thing, the roads were so dangerously wet ~~that~~ ^{that} we walked home four or five miles ^{with our} ~~leaving~~ ^{plants} ~~the~~ ^{the} car abandoning the car. Because of rainy weather we were unable to get the car for almost a week. Thus we were marooned

Myself very humble in an article in most of the papers of Hawaii. I am sure I have written for my collecting of Botany that I am sure the only thing between the papers and the people is that I am sure I have a good name.

2/4/29

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

DEPARTMENT OF ZOOLOGY

CABLE ADDRESS "COLWAI"
BENTLEY'S CODE

Feb. 4, 1929.

Dear Mr. Dugener:

I received both your cards telling me of the shells in Fischer's auction room. I went down to see them before they were auctioned off and I found them an interesting lot. I had a friend who was going to represent me and bid on the shells, but as Mr. L. A. Thurston, a friend of mine, had in mind to bid on the collection, I decided to make no opposition. He got them all - 3 boxes full - for 5 dollars. I believe they were worth about 100 dollars, in spite of the fact that there was no data with them.

There was a *Cypraea* among them - an unusual variety of *Cypraea vitellus*.

that took my eye. Sunday, when I went up to Mr. Thurston's home to see the collection, I asked him whether I might be able to obtain this *Gynera* from him in exchange for something else. He then made me a present of it, wanting nothing in return for it. There were none of the other *Gynera* in the lot that I cared for in particular.

I sorely thank you for giving me this tip.

Very truly yours,

J. M. Ostergaard

2/12/29

UNIVERSITY OF CALIFORNIA
OFFICE OF THE DEAN
COLLEGE OF AGRICULTURE
BERKELEY, CALIFORNIA



Feb. 12, 1929

Mr. D. Le Roy Topping,
P. O. Box 2356,
Honolulu, T. H.

Dear Mr. Topping:

I have just received a request from Dr. B. Hayata, Botanic Gardens, Koishikawa, Tokyo, in which he requests special material representing the Hawaiian tree fern *Cibotium Chamissoi*. He is making an anatomical study of the species and needs to examine the type of the genus, but has received no response from a request sent to the Director of the Bishop Museum over a year ago.

He is urgently in need of the material in order that he may make a direct comparison with the oriental *C. Barometz*. He needs a portion of a fruiting frond; and a portion of a trunk, one to two feet in length, and a few inches in diameter. He states that the material should be sent to him in a fresh state, and has suggested that the most convenient way would probably be to hand the material to the purser of one of the Japanese passenger boats. It occurs to me, however, that the material could very readily be sent by parcels post.

I assume that you are familiar with this tree fern which is apparently rather common in Hawaii, and that you may be able to secure the material that Dr. Hayata desires without undue trouble. If it is not possible for you to secure the material desired, will you please hand this letter to Mr. Degener or to some other individual in Hawaii who knows the plant and who may be in position to secure the material.

Very truly yours,

E. D. Merrill

EDM/EDR
cc Dr. Hayata

2/22/29

Clark Hall, M.A.C.

Feb. 22, 1929

Dear Otto:

You have sent us so many things lately that we are all "sewed up" in debt to you. I guess everything came through nicely. I gave the quart of "thousand leggers" to Crampton and he was as pleased as a small boy with a new tin whistle - just like the old lichenologist who fell dead with joy when he received a package of dried lichens from Spain.

Under separate cover we are sending you two lantern slides to help you in advertising "man-roots" among the Chinese. They are a nucleus for your course in "humanistic botany". By the way do you see "Asia" - the magazine? There are some interesting pictures of regular human ginseng roots there in the Feb. number.

Well, we are forging ahead and the Bot. Dept is "looking up" quite remarkably. To begin with, an arrangement has been made with Prof. Waugh through which we are to have control of the old Plant Houses (the two octagons) and Doc. Connors is to look after them for us. Now I can grow everything from pipsissewa to pumpkins.

And next - A few days ago Prof. Waugh, who is chairman of a Faculty Committee on Honors Courses, came to me and asked if I would give a Course in the Spring term on "Things - in - general" - a sort of Weltanschauung for superior students (Juniors and Seniors). Now what do you think of that! What a blow to the pigs and chickens! But you may imagine that it has been a job to get it in shape in the few weeks remaining. But I have 75 pages and can get started any~~h~~ow. Here is the outline:

1. The Present Age - the proposed scientific Utopia.
2. Contrast with older views of man's place and destiny.
3. Analysis of the doctrine of worldly pleasure and attempt to

show that it fails to work because it misinterprets man's nature.

4. Philosophical analysis of man's nature - leading to the doctrine of Relativity.

5. Some things which follow from admission of relativity. A chance to work in idea of 4th dimension and all which it implies.

6. Application of these views to sciences, history and arts. Attempt to present a unified view of life.

7. How did the ancients know so much? Discussion of Illuminati and of the Mysteries.

8. What is the method of practical approach to this Wisdom?

There, will I escape with my life from this do you think, or will I have to drink hemlock for corrupting the mind of youth?

Incidentally the Powers that Be have offered to cut down my Freshman work, so we are looking for an Instructor to take 4 lab sections of Freshmen. The "Big Chief" is in touch with a fellow from Columbia but nothing is definite yet.

So you see the Bot. Dept is getting on the map; - too much so, I sometimes feel, since what are we going to do with our majors? The world still sees botany as either corn and potatoes, or else counting stamens around the tea-table. And I have trained these students in neither art. You know that there are elements in our way of going at it that ought to make it valuable as a part of a liberal training. But, as a friend recently wrote me: "everything that emanates from the colleges is dead" and the deader it is the better they like it. But what can one expect in Kali Yuga - the age of the devil?

You seem to have justified your contention that fighting wins the day. I don't intend to argue the matter. Sometimes, perhaps, there are skunks who need to be put underground for the good of the olfactory organs of the public. Anyhow I hope the battle left no scars and that you are busily and happily engaged in preparing for future classes.

One jocose remark of yours still sticks in my mind: that you hav'nt learned anything new since -- some year or other. But perhaps you have misinterpreted: there is no more to learn! Now don't have a fit and think I have gone off my nut. What I mean is that you have seen the outline (fog-veiled to be sure) of practically everything that is visible in this world, and I don't believe you will find anything else really new. But that isn't saying that you have seen anything very clearly. Your advance must be (and is now) toward clearer apprehension of things which you already know. And for that clearer approach you need to think more deeply about these things: you will find, I think, level after new level of interest as you drive inward. You can't stop - there is too much good stuff in you. Did you ever consider attempting to get a closer view of the Old Wisdom. There are ways. You see I shall not let you rest as a mere scientist.

Saw Sherff's Article in the "Gazette" with references to Degener and Wiebke's Bidenses. It is quite marvelous how you have reached out and touched those Hawaiian boys. You have learned some valuable lessons.

Hope you are free from "hoof and mouth disease". Don't go wading in Chinese fish-ponds any more!

As ever

P. E. Tovey

3/14/29
2220 Vancouver Highway,
Honolulu, T.H.
March 14, 1929.

Dear Dr. Torrey:

I received your letter yesterday. The fight is not yet ended. (I will not yet say your method is the correct one.) Although the letter from Crawford is promising, his actions are not. He is merely Gregory's tool and since Gregory got his "second wind" after the scare I gave him, Crawford has apparently received orders again to keep me out of the University. Most of the students want me back as well as the Faculty but that of course does not count.

A few days ago I went to one of the local legislators about the fact that a private institution is dominating the appointments and dismissals of the personnel of a public one. I was referred to the Committee on Education. But this committee which aint got no use for me new fangled teaching ideas and who are now protesting because a science teacher here "rivisected" in class! an embalmed cat and some frogs from the States. I felt, was not the right group to handle the affair. I dropped that angle of it.

The new developments are these: The young Curator of the Museum, Ed. Bryan, who is a very nice fellow, in spite of the fact that he possesses a notochord, is leaving the islands "because of his health." Larsen refuses to cooperate any longer with the Museum because Gregory put a monkey wrench in his attempt to study the blood of the Hawaiian pupils of the school that is connected with the Museum. Dr. Jones, a Rockefeller Foundation man doing ethnological work here, after calling Gregory a "pirate", has announced that he will not stay another year. The Browns are leaving. Stokes, an ethnologist who has been at the Museum for 35 years and has been something of a thorn in Gregory's side, must leave because "all ethnological work in Polynesia has been completed." He is terribly upset. I really think that if one gives Gregory sufficient rope, as the Trustees apparently have done, he will hang himself finally.

I am writing this letter so soon, although I doubt it will bring results, because you say Prof. Osmun is negotiating for a Lab. Assistant from Columbia. It is my idea that if you get a man from there you will get someone who is a perfect stranger to your course. I, on the other hand, have developed Wiebke into a terrific botanist who practically knows everything I know due to his living with me, collecting, correcting papers, and acting as my laboratory assistant. In fact, one day WHEN I WAS DELEGATE FOR THE WORLD FLOWER PRESERVATION SOCIETY!!!!!! for Mrs. Bratton's sake at the Pan-Pacific Conference on Education, Recreation, and ENTERTAINMENT, etc., he conducted it entirely alone. He was the recipient of scholarships, an honor student, at Kamehameha School, "adopted" son of Supt. of Education Givens before he became my "adopted" brotherly assistant, and has a keen brain that puts my slow moving one to shame. He has gone as far as I can lead him - could you not now take him and use him as your assistant? He is now wasting his time and ability trying to earn enough money for medical school by catching and buying up squid from the Hawaiians for the Honolulu market. I tell you, he is very good and has your method and attitude - he is a chip of the original M.A.S. Bot. Dept. block. And he is mature.

In case Prof. Osmun thinks he is an anthropophagus, I want to emphasize that he is not. Nor does he appear negroid and thus possibly prejudice students against him. He might be taken for a man with an admixture of Spanish or Italian blood.

If you could use him, which I doubt because of the time element involved, please ask Prof. Osmun to cable me collect with approx. salary offered. If a not, do nothing at all and I will understand. It would be too bad if you could not take this person who seems to possess a spark of something or other.

Had Prof. Smith of Smith's College for supper with the Browns. O.D.

Am writing Wiebke's Supt. Givens to write Prof. Osmun about him.

5/29/29

Botanischer Garten
und
Botanisches Museum

BERLIN-DAHLEM, den
Königin-Luise-Straße 6-8

29. V.

1929

50 N^o Horbapflanzen
aus Hawaii

Eine entsprechende Büchersendung
wird bald an Sie abgehen.

Hochgeehrter Herr,

Ihre nebenstehend genannte Sendung ist
uns heute zugegangen. Ich spreche Ihnen dafür
unseren verbindlichsten Dank aus.

Mit vorzüglicher Hochachtung
ergebenst

i. V. R. Pilger

Direktor

An

Herrn Otto Degener
Honolulu

8/29/29

Aug. 29th, '29, Hilo.

Mr. Otto Degener,
Hawaii National Park,
Vocano House.

Dear Sir,

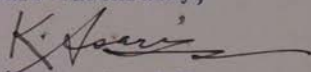
On behalf of the officers, cadets and crew of the training ship "Taisei Maru", I take avail of this occasion to express my heartfelt thanks for your kindness to have explained in such a detail to make them understand the famous Volcano, when they visited there.

One of the most attractive features of Hawaii for the visitors is, I can assure you, the Kilauea Volcano; although there are many large and interesting volcanoes in Japan, Kilauea is the wonder itself to us all.

Leaving here this afternoon, my ship will visit Kealakekua Bay, and set sail therefrom on the 3rd of September.

Hoping you will enjoy your good health for ever,

I remain,
Dear Sir,
Yours faithfully,


Commander T.S.
"Taisei Maru".

9/24/29

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON

September 24, 1929.

Mr. Otto Degener
of Hawaii.



Hawaii National Park
RECEIVED
OCT 11 1929
Office of the Superintendent.

Sir:

Your resignation as a park ranger (naturalist), grade 10, in Hawaii National Park, Hawaii, at \$2300 per annum, has been accepted without prejudice, by the Secretary of the Interior, upon the recommendation of the Director of the National Park Service, effective at the close of August 31, 1929.

Respectfully,

J. Howard Moulden
Acting Chief, Division of Appointments,
Mails and Files.

Through the

Director of the National Park Service.

Order No. 1943.

13/13/29

J. M. OSTERGAARD
UNIVERSITY OF HAWAII

Oct. 13, 1929.

Otto Degener,
Glenwood,
Hawaii.

My dear Mr. Degener:

It is surely neglectful of me to have failed until now to reply to your letter of Aug. 7.

By your letter it looks as you are doing something. It would not be you otherwise. I am sure you will get out a good publication. I have not mentioned to anyone what you are doing, according to your request.

I was surely glad to see Mr. Wiebke back again in the university. I believe he has the stuff in him to make good.

Concerning geological books on the origin of the Hawaiian islands, it appears to me that there is very little literature on the subject, and that publications dealing with the geology of the islands are confined

J. M. OSTERGAARD
UNIVERSITY OF HAWAII

to various phases of it only. The works of the late Prof. C. H. Hitchcock and Dr. W. A. Dall, so far as their observations and interpretations apply to the island of Oahu, are considerably at fault. The best I have seen is Dr. C. K. Wentworth's B. P. Bishop museum bulletin on the Pyroclastic Geology of Oahu, 1926, but it deals only with this island.

I do not know what I can tell you anything not already familiar to you, on the origin and evolution of the physical aspect of the islands. My conception is as follows:

In Mesozoic times or earlier an upward bulge of the earth's crust (geosyncline) extending from northwest to southeast over the area in which the Hawaiian archipelago is now located brought the ocean floor from an abysmal depth of several miles to the comparatively shallow sea of a few hundred fathoms. Along the summit of this

J. M. OSTERGAARD
UNIVERSITY OF HAWAII

geosyncline a fracture in the earth's crust occurred, furnishing an outlet for pent up energies in the deeper strata, which resulted in a series of volcanic eruptions. The typical material erupted, basaltic lava, reached the surface of the water eventually, thus forming islands. The eruptions generally could not stop when the surface of the water was reached, but continued until volcanic domes were formed whose summits towered above the clouds.

The volcanic activities ceased first at the northwestern end of the line of islands; later on in the islands toward the southeast but are still active on Hawaii, while on Maui they have probably become extinct within historical times.

To this summary, however, must be added the following modification:

The two volcanic domes of Oahu forming the Koolau and Waianae

J. M. OSTERGAARD
UNIVERSITY OF HAWAII

ranges were probably completed by the close of the Mesozoic era, and the entire Tertiary period may have passed without further eruptions on Oahu. It was probably during the Pleistocene that too many secondary craters on Oahu were formed, Diamond Head, Punchbowl, Koko Crater, Salt Lake Crater, etc.

A great age must necessarily have been required to erode the solid, resistant basalt of the Koolau and Waianae ranges so as to form great valleys and precipitous pali's. Whether the elongate form of the Waianae and Koolau ranges, as well as that of the island of Molo-kai has been brought about by dislocation and sinking of large land masses is a debatable question. Also, the contention by some, that all the inhabited islands of the group were once united into one elongate island and later by submergence became separated into the now existing chain, is supported

only by biological, not by geological evidence.

Well, I think that I shall stop now with all this hot air with the advice that you take with a grain of salt the information I have here given you on the origin and modifications of the Hawaiian land areas.

I have a fine program this year. I give half my time to my Tonga collection and the other half to class instructions at the university. I have a class of only 6 pre-med. in Mammalian Anatomy this year, but then our freshmen class in zoology numbers 123 and the brunt of the burden of this class falls on me.

Yes, indeed, I know Dr. Pilsbry, whose picture you sent me.

Aloha for the present!

Yours very truly,

J. M. Ostergaard

11/5/29

822 Mission Lane
Honolulu, Hawaii

Nov. 5, 1929

Dear Mr. Regener:

How are you Mr. Regener? I am glad you wrote me for ever since Jonathan told me that you had inquired as to my address I have wondered whether there was something that I could do for you. Your letter which I received on the twenty-fifth of last month made me go over my set of books to see whether that book was returned.

I apologize for not returning those books which I borrowed, personally. As I was asked to leave rather suddenly, I sampled your books and made sure that every thing was to be returned by Jonathan. I am quite sure I had all your books returned. Since that book of Dr. Torrey's is not within my possession and since it was claimed as not returned, I should like to know as to what procedure I should take to cover the loss of that book. Mr. Regener, I am very sorry to have been the cause in delaying you in your working of your book.

On questioning Mr. Bean about that book,

he informs me that he too has been looking
for that book and that he could not find it
among the books in your shelves. I am very
sorry I could not do anything better than to
look into my sets of books and to ask Mr. Bean
about it.

Yours truly,

A. M. Peacock

[Former student of Philippine race]

HONOLULU, T. H. November 6th, 1929.

Mr. Otto Degener,
Kilauea Volcano House,
Hilo, Hawaii.

My dear Degener:

Thrush--is a fungus disease of the mouth. At first it looks like white patches in the mouth or on the tongue. It finally covers all of the mucous membrane with an even white coating. This interferes with proper eating also proper nourishment. A 10% solution of Potassium chlorate will clear it readily as will several other solutions. Your herbs probably have some chemical toxic to the fungus. I have always been very much interested in the properties of these plants for the Hawaiians seem to have observed a number of definite physical effects from their plants. Just now I am interested in the pollen producers--if as you go about you can observe what heavy pollen producers grow in large quantity and where--it would be helpful.

Sincerely,

Larsen
NILS P. LARSEN, M.D.

P. S. -(Thrush:- Mycotic or hypomycetic
Stomatitides; Goor (German); muguet (French)
caused by - *Oidium albicans*.)
The disease yields readily to simple measures, wiping
with gauze soaked in boric or bicarbonate or 1-4000
mercuric chloride. 10% Potassium chlorate, or weak
solution of Potassium Permanganate.

11/15/29

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

November 15, 1929.

DEPARTMENT OF BOTANY

My Dear Degener;

Your second letter in one week came today. The quoted matter in my last letter was from Lotsy's "Vortrage". The references were his not mine. I have seen none of them. However I will take another look into the matter as soon as I have my grades in next week. It may be that there is something else in that work that pertains to the question and which I failed to find. Such might easily be the case considering my facility (?) at reading German. However I am making such progress in the subject that I now consider it worth while to capitalize the word when I write it.

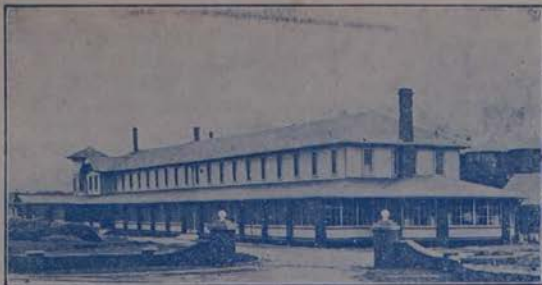
The House is still in fairly respectable shape. It leaks only when it rains and then not seriously. The painters have been there several times soliciting patronage but we have not taken them seriously either. To tell all the truth, I've hardly lifted my eyes high enough to observe if there is any pressing need of a new roof. Suppose we just let it ride until make an insect then if its serious I'll let you know, if not I'll place pans in the attic under the holes to prevent the feared baths in the parlor. You may then be here when the job is done and supervise it to suit yourself. However again, if Henry is in need of the help and it is your desire to thus help him, the work can go on any time. We have nothing that would be spoiled even if he had to tear off the old roof to put on the new. I'm wondering if the place should not be inspected for termite damage before any great amount is expended on it for improvements. Your friend Calvert infers that there is danger of it falling down on us sometime because of such.

I've an appointment to take Eller up to the Pan Pacific and it's time to go. More later.

My wife sweeping pen hence the attempt to type phrase overlook unnecessary capitals etc such as those in German.

*One week later [R.S.] Bear
P.S. The only papaya tree that has begun blooming is staminate.*

11/27/29



Kilauea Volcano House Co.

LIMITED

J. N. GANDY, MANAGER

LOCATED IN THE

Hawaiian National Park

AT THE BRINK OF THE EVER-ACTIVE VOLCANO

Kilauea

P. O. VOLCANO HOUSE, HAWAII

Nov. 27, 1929.

192

Dear Dr. Pope:

Thanks for your letter on Rubus facts. If you want me to attempt correcting anything, just send it on.

You may be interested in the plants I am putting in my Guide to see to what extent we overlap. The following is my list. I may make one or two changes if I get stuck on a determination or lack a drawing but hardly any more. I would just as leave not have you tell many others what they are so that it will be more of a surprise when the booklet is published. Never can tell, anyway, what might happen if Gregory heard about it.

- | | | |
|-------------------------|-------------------------|-------------------|
| 1. Psilotum triquetrum | 34. Geranium cuneatum | 67. Senecio |
| 2. Psilotum complanatum | 35. Pelea | 68. Thistle? |
| 3. Uluhe | 36. Kukui | 69. Taro |
| 4. Lycopodium | 37. Dodonaea | 70. Rice |
| 5. Cibotium | 38. Sapindus | 71. Cane |
| 6. Polypodium | 39. Hibiscadelphus | 72. Pineapple |
| 7. Pellaea | 40. Passiflora 3 sps. | 73. Mula |
| 8. Sadleria | 41. Geranium arboreum | 74. Pisonia ? |
| 9. Freycinetia | 42. Wikstroemia | 75. Peperomia |
| 10. Gahnia | 43. Tibouchina | 76. Lau |
| 11. Uncinia | 44. Gnava 3 sps. | 77. Lantana |
| 12. Dianella | 45. Ohia lehua | 78. Musa |
| 13. Astelia | 46. Evening primrose | 79. Pear |
| 14. Sisyrinchium | 47. Fuchsia ? | 80. Pigeon Pea |
| 15. Tritonia | 48. Gunnera | 81. Smilax |
| 16. Zingiber | 49. Vaccinium calycinum | 82. Breadfruit |
| 17. Medychium | 50. Ohela | 83. Coconut |
| 18. Liparis | 51. Cyathodes | 84. Ta |
| 19. Piper | 52. Suttonia | 85. Luzula |
| 20. Casuarina | 53. Maile | 86. Bidens pilosa |
| 21. Rumex crispus | 54. Prunella | 87. Papaya |
| 22. Pipturus | 55. Poha | 88. Mango |
| 23. Santalum | 56. Popolo | 89. Coffee |
| 24. Phoradendron | 57. Sol. pseudocapsicum | 90. Leptilon |
| 25. Rumex giganteus | 58. Brugmansia | 91. Silversword |
| 26. Silene | 59. Plantago 3 sps. | 92. Hilo Grass |
| 27. Cocculus | 60. Myoporum | 93. Cassytha ? |
| 28. Argemone | 61. Coprosma ernod. | 94. Algaroba |
| 29. Broussaia | 62. Noni | 95. Canna |
| 30. Rubus 3 sps. | 63. Clermontia | 96. Opuntia |
| 31. Koa | 64. Scaevola | 97. Eupatorium |
| 32. Sophora | 65. Railliardia scabra | 98. Odontosoria |
| 33. Gorse | 66. Railliardia sps. | 99. Colubrina |
| | | 100. ????????? |

I am stuck on several plants.

Near the Park are three kinds of *Passiflora* that I should mention. I have *Passiflora foetida* and the liliko'i (*P. edulis*) o.k., but ~~XXX~~ I cannot identify the third. It is the yellow one we always get at Aala market and in Hilo for sale. It looks like the *Granadilla* (*Passiflora quadrangularis*) but it cannot be that because its fruit is egg-shaped and smooth and not the least like that shown by G.P. Wilder on page 211. To me it somewhat resembles the yellow water lemon but on page 215 the fruit looks perfectly spherical to me while the thing I have picked and eaten is oblong-spherical or whatever you call the shape. In Wilder's description the flowers are white and have red spots on them. My flowers had purplish markings on the corona. Have you any idea what the plant is I am thinking about?

I cannot unravel the Guavas either! I know *Psidium guajava* and its various sour and sweet and apple-shaped and pear-shaped varieties. All these plants have the typical corrugated leaf of our common Honolulu shrub. But what are those having the smooth, shiny leaves which are trees and are found at slightly higher elevations. I know the red strawberry Guava which is called *Psidium Cattleianum*. But now what are the two yellow fruited kinds of guava that resemble the strawberry guava? I cannot tell them apart. The one is the Yellow Strawberry Guava and seems to go under the name of *Psidium Cattleianum* var. *lucidum*. Is this the Waiawi or is it not????????? Miss Neal on Page 229 says it is while Wilder on Page 128 - 129 shows a picture of *Psidium Cattleianum* var. *lucidum* without calling it the waiawi. Instead on page 124 - 125 he shows an entirely different plant which he calls *Psidium guajava pyrifera* and for which he gives the common name as waiawi. Either Miss Neal or Wilder are wrong if not both. I think *Psidium guajava* var. *pyrifera* is really the pear shaped common yellow guava which is merely considered today as a form of the common one and has no definite name anymore. In other words, *Psidium guajava pyrifera* belongs to the guavas with corrugated leaves and not smooth leaves.

To make matters still more complicated: MacGaughey in his article of Guavas of the Hawaiian Islands in Torrey Bot. Club Bull. Nov. 1917, gives 4 small fruited yellow guavas. One he calls the waiawi guava on page 520 BUT DOES NOT GIVE ANY SCIENTIFIC NAME. The other he calls the Yellow Strawberry Guava and calls it *Psidium Cattleianum* var. *lucidum* on page 523.

What I want to know is this:

1. Is the Waiawi guava the *Psidium Cattleianum* var. *lucidum*?
2. What is the scientific name of the mysterious small fruited yellow guava which Wilder calls waiawi and names *P. guajava* var. *pyrifera*?
3. When I know what the names of these two yellow guavas are, then I must get a hold of the one near the Park and identify it.
4. I also need the name of the *Passiflora*.

Please don't hurry about answering. I know how busy you are. I will merely go on to some other plant and write that up and come to the guava and passionflower when I happen to get the information from you. Possibly the Botanic Club members might know of it.

Yours,

11/26/28 NY
2220 Vancouver Highway,
Honolulu, T.H.
Nov. 26, 1928.

Dear Mr. Beals:

There are three species of *Exocarpus*, a sandalwood relative, in these islands. I have been studying my specimens but am stuck regarding the proper name to use for one of them. Will you please help me here when you have the time.

I wish to get the description plus all "trimmings" for *Exocarpus sandwicensis* Baill. *Adansonia* 3 : 109. 1862-63 and for *E. casualis* on same page. I also need descriptions and trimmings for *E. Gaudichaudii* var. *foliosa* given by Wawra in the German "Flora" for 1875.

This same *E. Gaudichaudii* var. *foliosa* was described by Dr. Gray in mss. "U.S. Exploring Expedition" but I guess we can get no clue about that unless Wawra mentions it in Flora 1875.

Because I cannot decide this nomenclatorial question for myself, I am sending Dr. Britton my *Exocarpus* specimens under the old, probably erroneous, name.

Sincerely,

12/6/29

THE UNIVERSITY OF HAWAII

HONOLULU, HAWAII

Dec. 6, 1929.

DEPARTMENT OF BOTANY

My dear Degener:

Inasmuch as you have promptly replied to my unfinished letter, it would perhaps be fitting for me to finish it now. The only difficulty with such a plan is that I have now forgotten how much of your previous letters I had answered. The cesspool still declines to give the kids the much desired (by you) bath. All the papaya trees that have bloomed are staminate; a whole row of them. There's plenty of opportunity to try my hand at the determination of sex alright. I've a mind to give them some culture solution rather heavy in phosphate. The roof is still on the house and we have no records of drowning yet. The day after Thanksgiving Day we celebrated by having all three of the kids operated on at once. Two of them lost their tonsils thereby and two of them their f--- s---. Can you add two and two and make four? Never mind the dog; we have enough trouble getting the rabbits fed. Perhaps, however, the dog would solve that problem for us by eating the rabbits. But then the dog would be out of luck when they were all gone. I can't imagine the kind of child burglar they have been catching wanting anything in your house but we keep the doors closed when we're out anyway. Ohara and Anthony are both still in school. The I saw and spoke to Alkai soon after he returned from Hilo and asked him to come and see me, he has never done so. Ohara I have not even seen tho I am informed that he is yet attending classes. Armstrong was around looking for him in my Physiology class the other day. Ohara had elected it and never shown up to a single section and finally I received a "withdrew" card. Armstrong, who is his advisor, knew nothing of the latter, however. Lee came in one day and introduced himself when planning to take Bot. 101. He had a conflict, however, and did not enroll. We had quite a confab and I got his version of the affairs at Hilo. Of course he was playing the role of the goat. But when he got started I found that it was quite habitual for him to be the goat in controversies with his instructors and employers. My only word of encouragement was to hope that he would set himself right with you. This he that he had already done as near as he possibly could and now he would work on the principle of getting it back on those who crossed him. In that hour or two with him I was impressed that the boy has a very peculiar and rather narrow philosophy of life. He is the only one of them now, however, that does not avoid me so I must give him the credit of having the courage of his convictions which the others seem not to have.

Were you under the impression that the tenant paid the water taxes? Such has not been the custom with places we have rented heretofore. When I went home at noon the other day, I found Cattons yard man in your yard trimming the hedge. While I did not object to them doing the work, I was not sure about the advisability of allowing such a precedent to be established. It might result in some claim on the ground of the right to trim when and how they pleased. Mrs. C. had asked permission, however, (i.e. from Knell in my absence) Apparently they do not like the shower trees in front of your place because they shade a very select mango tree in their front yard.

I was planning another trip on Sunday, either with Bush and Teppin
 or St. John, Kreina (a Czechoslovakian guy who has a fellowship at
 the B.H.) Christopherson, and some students; but I think I shall stay
 at home and trim the hedge on the other side before Mrs Griffiths
 does it herself. I've had several very good trips this year but my
 wife dislikes them worse all the time. The last was over the Puna-
 lua-Kaluanui trail where we found some very good collecting. I brought
 in 33 species which is not bad for a mere amateur physiologist.
 Among them were a beautiful *Lysimachia*, a magnificent *Rollandia*,
Trematolobellia, and that *Platydesma* with the very odorous wood.

St. John got very excited to find one of the *Pritchardias* in its
 native habitat, and, like all taxonomists is determined to make a
 new species of it.

You may do what you please about correcting the par-
 graphing and spelling of this epistle. if you can read it without doing so
 don't bother or if you don't wish to read it don't bother as much
 either. It has been fine practice or is it practise in typing.

Merry Christmas now in case I'm not in the mood
 again this year.

Dean

12/10/29

R. E. TORREY
CLARK HALL, W. A. C.
AMHERST, MASS.

Dec. 10, 1929.

Dear Otto D.

Intended to write several days ago - hope you have not been delayed in getting your volcanic outburst into print. By all means go ahead and use any of the figures in my book you can make use of; that is what they are for.

I was glad to hear that you are coming on nicely with the Flora Hawaiiana. Cheer up about the teaching situation: there are other places in the world besides the U. of Hawaii, and if things persist in their present condition you might be glad to consider a position elsewhere.

Sorry to hear that Cassidy didn't get cured of his asthma by the change of climate. Mort is a fine fellow capable of good work and one hates to see him handicapped.

Well let's see what news here. There is always the danger that I may forget where ^{in Apple history} you come, and speak of people of whom you never heard.

Anyhow you remember Mabel MacMaster. She has a position in the Chem. Dept. of Lindenwood College in
Hunt Institute for Botanical Documentation

Missouri. It is a finishing school for girls and I guess some of the conditions amuse April very much. You will recall Mary Foley who taught Economics in Dr. Cairns' Dept. The poor girl has had hard luck. She received a Fellowship from the Univ. of Chicago to enable her to go on with her studies. Then last Spring she was laid low with tuberculosis and has been in bed most of the time since. Her father seems to be a worthless cuss and has left her alone. Her money is gone and last week Miss Jefferson came round with a ~~paper offer~~ request for money for the poor woman. She hopes to get at least \$300 and is hoping that by April Mary may be well enough to take up the Fellowship.

Yesterday Louis Lyons called on us. Louis was forced out of M.G.C. a few years ago thru some dirty deal which I never understood. He dared to criticize the athletic situation here and was properly "canned". He is now assistant editor on the "Boston Globe". He had been in Northampton interviewing Cal Coolidge. Cal is lonely and pestered by curiosity-hounds and is out of a job. I quite enjoyed Louis' call; he is one of the few M.G.C. men who ever impressed me as of superior caliber.

Dave Patten is at Harvard this year. Perhaps I wrote you that he spent last summer on the south shore of Hudson Bay collecting plants. He hopes to get that Degree of Ph.D. which has become necessary if he is to hold his position.

Bob Woodworth (Ler's younger brother) who majored in Botany with us is handling the Biology A lectures at Harvard and has been made director of the Botanic Garden at the Gray Herbarium. Another of our men - Gustafson - is running the Botany laboratories there. Do you wonder that I feel happy when I think how our botanists walk off with the best positions. George Church is teaching Botany in Brown Univ. while John Perry and Ed. Haertl (since your time) are both at Williams.

A few days ago a letter came from one of the Book-companies asking about publication of my Text Book. I replied favorably but suggested a third part dealing with the Groups. I dread the job of preparing it - particularly all the drawings, but it will be a nice summer's recreation.

Have an article almost ready for the "Quarterly" dealing with some surprising geometry. It ought to appear with the April number. I hope you receive

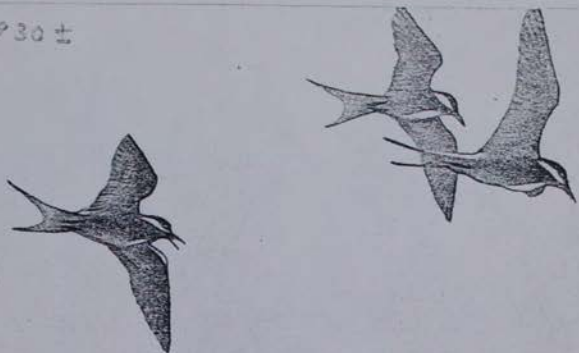
the "Quarterly". Quite honestly I can say that it has been the most important single influence in my education for many years.

This year I have only a small class of six in Comparative Anatomy. It is too technical and difficult for any but prospective botanists. Some of the things you sent us have come in very handy. I imbedded some of the Caulerpa rhizomes and got nice celloidin sections to show the curious trabeculae. The Lycopodium cernuum you sent has a regular xylem-phloem sponge for a stele and shows clearly the step beyond our native species.

This summer we had a woman assistant and I spent most of the time making slides. Got nice microspore and megaspore reduction stages in lily — also good embryo-stages of Caprella — along with considerable algal material. Here is a suggestion for filamentous algae. Kill chrom-acetic; concentrate in 10% glycerine colored with ~~with~~ erythrosin and mount in glycerine-jelly saturated with erythrosin. The alga takes up the dye and the pink gelatin background doesn't interfere with clear seeing. I had so much trouble with fading that I resolved on this method. With love

R. E. Tracy

1930 ±



*The Directors of the
National Association
of Audubon Societies
take Pleasure in
Nominating*

Otto Degener

*for Membership
and would greatly
appreciate an early
Acknowledgment.*

Kermit Roosevelt
President

4/3/30

Washington, D.C. to Honolulu, Hawaii

Volcano House, Hawaii, T.H.
April 3, 1930.

Registrar, Medical School,
Yale University,
New Haven, Conn.

Dear Sir:

At the request of Mr. George K. Ohara for a recommendation to your Medical School a year ago, I mailed you my belief as to his ability last May. As he has again asked me for a recommendation, I herewith send you a transcription of my former letter for your convenience:

"Mr. Ohara completed my full year course in Freshman Botany at the University of Hawaii for the school year of 1925 - '26. During the First Semester in a class of over 100 students, he ranked better than the average and received a grade of 73 per cent. By the end of the Second Semester, he had become one of my best students, receiving a grade of 90.

"I remember Mr. Ohara as one of my good students, very conscientious and exceptionally quiet. I know he ranked rather high not only in Botany but in his other scientific studies as well. In English, however, he was not particularly good. But when one considers that Mr. Ohara is a young man of Japanese ancestry who knows how to speak the Japanese language fluently, his weakness in English is not a serious fault. In fact, I wish to emphasize that his knowledge of Japanese will be far more important to him in later life than that of English because his prospective patients in Honolulu will be drawn, probably without exception, from the Oriental population.

"Knowing Mr. Ohara's past record and ability, I gladly recommend him to the Yale Medical School as prospective student."

As Mr. Ohara has spent the last year in study at Harvard away from Japanese associates, I believe his command of English must have greatly improved. To judge him by my former criticism in this regard would be unfair.

Very sincerely yours,

4/12/30

University of Hawaii
April 12, 1930

Dear Prof:

I received your letter a few days ago and read it with much pleasure and "illumination". Well, well and well, how's the crazy world treating you over there in that wilderness, desert and what have you. Well at least it is better than wailau, I presume. As to my part, I seem to be getting healthier and younger as the days grow older. Here's hoping that the same applies to you.

On April 6, four of us, Dr. St. John, Yamaguchi, Hosaka and myself went to the wilderness of Kipapa and had to walk three hours in the dark on our way back. We were all wet from 11:00 A.M. and not only that, as night approached the pang of hunger gradually became worse and what a sight were we. We ate a half ripe papaya and never did that fruit taste so good in all my life.

However, all that work was not in vain for probably we found a new species of Labodea. We tried to trace it down and we could not. Even the new literature that includes Labodea did not contain this species. The plant is so different from all present known described species that I can say that it is a new species.

We gathered quite a variety of ferns and since this is the first time that I have collected ferns and tried to trace down, what a job it seems at present. Those terms are as Greek to me as Chinese is to you. As to sending you the plants, I heard something to the effect that you are returning to Honolulu or are considering such a tremendous task so I better wait until then and hand the plants over to you when you return. Did you get the Compositae or were you able to trace where it is hiding at present? If possible return before the school term is over for it will be awfully hard to fool around the plants after school is over. Another reason is that I may not be here if I am given position on some other island.

Mr. ^[Mr.] Mamaki expresses his best regards and aloha and the same holds for me.

*[Former Decener
Student]*

Good-bye,

K. Nitta

*[Former
student]*

6/1/30

June 1st, 1930

Mr. D. LeRoy Topping,
P.O. Box 2356,
Honolulu, Haw. Terr.

My dear Mr. Topping:-

Your letter of April 10th came to hand and with it your valued consignment of specimens from Niu Ridge. I am not sure but what I sent you at the time a brief note of acknowledgement but if not please permit me to thank you now. I have not been able until to-day to take up the matter of studying the specimens individually, as I already had a number of other duties taking precedence.

You will recall that you sent the plants all under one number, namely your 3354. You wished my determinations. Will say that the plants at once sorted out into five sets. One set, consisting of the great majority, was fairly typical Bidens sandvicensis Less. but had the achenes mainly exaristate. The second set differed from the first only in having aristate achenes. The third consisted of only one plant, this having its heads mature and with a distinctly twisted effect to ~~the~~ each cluster of mature achenes. I have regarded this form in the past as merely a variant from B. sandvicensis (several times it has been collected by others among normal B. sandvicensis). The fourth had an aspect superficially similar to that of my Bidens micranthoides. It was only a foliage variant however from B. sandvicensis. The fifth was a single plant with many small juvenile leaves on some second growth shoots and would fit in with the type of my B. obtusiloba. Had I had only this plant before me last year I would never have dared describe B. obtusiloba from it because of its second-growth nature. However, the type in the University of California Herbarium was a well developed specimen and hence probably representative of its kind. Possibly your specimen would have been better if it had been collected in the autumn as was the type.

So then as my determinations go you collected two species, B. sandvicensis and B. obtusiloba.-I have turned some twelve or thirteen specimens over to Field Museum, Kew, Berlin, Munich, etc. for permanent accession and cited them in my mss. I have the balance in my quarters at Field Museum and if you should care to have them back kindly let me know and they will go forward at once.

Again thanking you for your courtesy in sending these materials to me for study, I beg to remain

Yours very truly,

EES/IPS

[Earl E. Sharff]

7/6/30

2220 University Ave.,
Honolulu, T.H.
July 6, 1930.

Dear Dr. Torrey:

The plant I sent you was sugar cane. Will be interested in your findings on the Marattia

Dr. Krauss of the University would like to know exactly where Mann & Brigham first collected the Pigeon Pea, *Canjanus indicus*, in the Hawaiian Islands. If you have Mann & Brigham's specimen in the Herbarium, please copy their label for me.

I have been sickish but am practically back to normal by now. My plans have all gone astray. I meant to collect on Mauna Kea and Mauna Loa with Wiebke this summer but, instead, came home about a month ago to rest up and feed up so as to be worth something in the future. I have done all kinds of stupid things. Last summer after being Naturalist at the Park, I moved into the Volcano House and naturally strained my heart in fooling around with my trunk. Then after getting over the strain and working in the house practically steadily for three months, I went camping and strained myself a second time in helping a Hawaiian carry a bag of coconuts to my car. Thinking that I was well again, or rather not thinking at all, I later attempted to climb a tree for a flower and then again strained my insides. Thereafter I was naturally thoroughly SCARED of a repetition. After getting over that, I heard of a Bidens species which was apparently new so went after it, practically creeping up the mountain. Though walking about 4 miles one way to reach the place and hearing that it was but half a mile farther on, I returned so as not to risk straining my insides. The walk did not hurt me a bit. A few days later I hunted hermits in a very careful way, wearing shoes of course in the water. In spite of that, I was so unfortunate as to step on a single spine of a sea urchin which penetrated my sole and just pierced my hide. I dug out the spine, iodined my foot, and made special trips to drugstores for all kinds of sensible remedies. Nevertheless, my foot became badly swollen. FEARING a repetition of my coral cut in 1923 and hearing from the Hawaiians that "whenever you get poked by one of those you get a red line up your thigh", I had the pin prick cauterized by a physician. As soon as the wound had healed, I took a three mile walk on a level to get a Bidens (successful this time), and thereafter felt considerably sickish with pain in my heart for a week or so following. Because of this I "struck" camp and slunk back home to get doctor'd up. Before I reached Honolulu, the pain had stopped though I still retained other symptoms of worthlessness. I saw one physician who stuck me to bed and told me I had Myocarditis. Because he told me that he was not particularly familiar with heart troubles, I had Wiebke find out the best man for that and visited him the following day without telling him anything about the previous diagnosis. He told me that I had overtaxed myself but that in spite of that I would be accepted for a life insurance. He advised me to be more careful in the future and to have others do the heavy work. About a week later while feedle-dee-dee-ing with minute numbers for my plates, I would get a hungry sensation in my heart followed by about 5 normal beats and then an intercalated abnormal one. I told the physician what was happening. He then came to the conclusion that my heart is practically normal but that my trouble is a psychic one caused "either by financial or family worries." I mentioned my University vs. Gregory difficulties and he attributed it to that. This is quite likely because last year during the "thick of the fight" while writing to the President I did get abnormal heart symptoms the following day. It seems then that overstraining myself, subconscious anxiety caused by my sea-urchin poke, ab ut 2 months' continuous application to my fiscal guide, undernourishment for 6 months, and a certain amount of worry about Gregory but primarily about getting my guide completed for the summer tourist rush, and trying to keep Wiebke from starving so that he can finish college has weakened my solar plexus. Thus sensations akin to those accompanying fear travel

from my navel and disarrange my sympathetic nervous system controlling heart action. So whenever I get that feeling I loaf. My heart has now deflated and I feel very much alive again. My trouble was akin to that from which the Hawaiians died when they knew that they were being prayed to death. It is the action of mind over matter in the wrong way. This long lecture or thesis on my subconscious reactions answers your question that I am not yet fit to concentrate on my navel.

Just the day before your letter arrived, I was expounding on the 2th Dimension to my Japanese.

My guide is now ready for printing. I am getting estimates on the cost. The pamphlet seems to have grown into a book without my knowing it. It includes about 30 full-page plates, half a dozen views and 90 popular plant descriptions dressed and stuffed with elementary ethnology!

I met J.F. Rock a few days ago. He plans to return in 3 years to direct for the making of a botanic garden, for medicinal plants, that shall reach from sea level to 14,000 feet. If the botanic garden work does not interfere with my "Flora", I may accept some offer if it is made. Rock has no use for the University nor for the Museum as Gregory expelled him - I am the only Hawaiian botanist that is unconnected with either institutions.

My floristic work so far amounts to nothing but routine work. So far I have about 300 drawings fit for reproduction in a flora and should be able to put out a fascicles of 100 illustrated descriptions soon after I get my Park Guide off my hands. Then I should be able to print about 100 - 120 illustrated descriptions yearly. Of course out of 100 descriptions, less than half a dozen will be new species. If there were only someone like Wiebke in New York who could check up sheets and literature for me at the N.Y. Bot. Garden, then I could get along twice as fast.

I was glad to hear that Mort Cassidy is almost over his hay-fever. I do hope he is cured and can return. He liked Honolulu.

Do any of your embryonic taxonomists care to cooperate in monographing a genus of Hawaiian plants? I have any number from which they can choose. The fellow would of course be obliged to go to N.Y., during one or two holidays to compare my specimens with the types. I would want drawings and descriptions made suitable for my flora.

Is there anything you need for teaching?

Yours,

7/27/30

Papaikou, Hawaii

P. O. Box 117

July 27, 1930

Mr. Otto Degener

Dear Mr. Degener:

I received your letter of July 4th, on Saturday, July 19. I am very glad to hear from you again. I am now staying in Hilo with my father; while on my way, I want and see you at the house. Mr Hind told me that you went back to Honolulu, so I came directly to Hilo. For the time being I had decided to stay with my father at Papaikou (the above address), and if at any time you intend to write to me, please write to my present address.

As I am now living in Papaikou, Mr. Degener, I will not be able to help you in getting crabs; but if you want help in getting plants and medicines, I may be able to try my best to help you.

In regarding to the books which you are now working on. Mr. Degener, I am anxious to see the book which you are working on, and I wish it will be a good book which will profit students teachers and everyone else. How many pages does the book contain? How much do you expect to levy the price of the book and at what rate do you expect me to sell? - I cannot set the price as I must know first the cost of the book. Then I can figure or you'll help

we place the selling price of the book, which will give us a fairly good commission.

I think, if I receive your book while I am living here, I am sure I can sell them out more than if I would at Milolii. Maybe tourists will come to Milolii or maybe not? I could not depend on the coming of the tourists to that place, but if they do come I know I'll get them--and I'll do my very best in trying to sell the books to them. But in the meantime I am thinking to try and rearrange my plan while living out here at Papaikou.

Mr. Degener, as for the two dollars (\$2.00), I decided not to bother you. You may have it and don't bother with it any more.

Mr. Degener, I have filed application for employment at the Hilo Board of Health Department. I received my application and as there are many items to be filled, I am taking great care in filling up the blanks.-- Mr. Degener, in one part of the application it asks for three persons who should have known me for the past months or so; As I have worked for you for sometime I had place your name in the application as one of the persons who recommends me. That part of the application, as you know needs only recommendation from some one whom I have known personally; so I think you won't mind me using your name as one of the three persons required to recommend me. I already filled my application and it is ready to be sent to Honolulu for approval.

Well! Mr. Degener, if ^{at} any time you need help, and if there is anything I could be of help to you, I'll be very glad to help you.

Wishing you success in undertaking the work of printing the books---

I remain

Oliver Pohina

8/5/30

2320 University Ave.,
Honolulu, T.H.
Aug. 5, 1930.

JK

Dear Prof. Rock:

I received your letter and wish, first of all, to apologize to you for having bothered you with personal matters. Please permit me to get this off my mind, and I shall never trouble you again. I am under the impression that you think I have been passing purely confidential letters from one person to another. This is not so:

1. These letters that were written earliest have never left my hands excepting ones when I gave them to a professional lawyer in Honolulu.
2. Those that were written recently have never left my hands before.
3. The explanatory letter of considerable length was written to the Director of the Carnegie Corporation and luckily addressed to the Rockefeller Foundation (or vice versa, I have forgotten). While it was on its way to New York my anger had cooled, so I enabled my brother in New York to get it back before it should reach its destination and to destroy it. This he did. So the letter did no harm. Even if it had arrived, it would not have violated any trust as its contents show. The letter merely gave me a chance to "let off steam". I had included my duplicate copy to you because it gives all facts practically up to date.
4. The Teacher Foundation has never been approached by me nor has any other foundation as you may have thought from Whetsell's letter. I asked Prof. Whetsell, with whom I had botanized in Bermuda some years ago, for advice about requesting a grant from the Teacher Foundation to help me to collect locally. I told him everything as I knew him well. He replied that it was useless as the Foundation only aids Cornell Faculty members. I thought, as a last resort, that I might get Mr. Whetsell interested in continuing my botanizing. He, by the way, knew my parents because my cousin is his niece. Whether such plants are immediately worked up by me or by some one else in later years matters little. They will always be valuable. I find now that in spite of no position and no outside aid, I can continue my work anyway. I never approached him.

You stated that you are "not in duty bound to return" the letters though I had requested their return. I had perfect confidence in you otherwise I certainly never would have placed in your hands a package containing impressions of some of my very best friends. Many of these men I thought were your good friends as well. I felt and still feel that you would keep the contents of their letters to yourself.

Dr. Lyon told me some years ago that you planned to return to the Islands to complete its flora. I was told you left an injunction at the Herbarium that no one can make use of your Hawaiian collection there, presumably because later you want to work up your plants yourself. Ford has been talking about a botanical garden and about enlisting your help. When I thought you were still locally interested, should I not frankly have told you everything when I sincerely believed that the same people I have had difficulties with would most likely place them in your way also? I did so and gave you everything frankly and in trust as I missed the chance of speaking to you personally. I did not know you were no longer interested in the Islands.

My giving you the package was not motivated by jealousy and was not entirely for selfish reasons. If it had been, I certainly would not have given you information which I thought might be of aid to you. I fully realize that your coming to the Islands to complete their flora would put an end to my own ambition.

Now as to the disposal of the letters. I feel that letters to and from the director and the president are mine to do as I wish, and those as far as I am concerned you can either keep, return or throw away. But in case of the remaining letters, I am convinced that it is only fair to keep other men out of an imbroglio by destroying their letters. This I feel you are "duty bound" to do as you lack confidence in my retaining them. I can do nothing more than beg you to be sure to destroy them if you have not already done so. In any way, there my responsibility ends.

I have been gradually getting reconciled to the loss of my position. Your coming had at least made me do so. Now that this matter is settled, I will become pacified again and in a few more years will have forgotten the past. But I see no reason why I should be ashamed of telling the truth about local scientific conditions to my friends, and will most likely continue. Most of my old friends at the University know why I left and so does Ford. I see no reason why I should cowardly hide the fact that I think that I was thrown out for insufficient reasons. I will no longer, however, try to get others to fight my personal battles for me nor will I, probably, try to help others with theirs. Again I wish to apologize for upsetting you and hope you will forget about this whole Hawaiian mess.

Please don't think I will imitate Lovell. As I have no access to types I try to combine with those botanists on the mainland who have. That is how Sherff described so many *Bidens* species recently. I had sent my descriptions to Dr. Trelease. My former plan to send to a European who is trying to monograph them. I believe to Dr. Bonine and Krajina of Prague. I won't rush into print with "new" species before being very sure of my ground. Even when I know I have a new species but lack a reliable drawing, I refrain from publishing for the time being at least.

I am sending a copy of this letter to your other address as I doubt the reliability of your mail service. With your receiving this letter, I feel that my responsibility ends and that I can dismiss this subject henceforth.

Sincerely,

9/2/30

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TELEGRAPHIC ADDRESS "STARBU"

Honolulu Star-Bulletin

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PRINTING AND LITHOGRAPHING DEPARTMENT

ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE
HONOLULU STAR-BULLETIN

HONOLULU, HAWAII, U.S.A.

September 2, 1930.

Mr. Otto Degener,
2220 University Ave.,
Honolulu, T. H.

Dear Sir:

This will confirm our verbal understanding of this date in reference to the price quoted to you on June 19, 1930, for 1,000 books of "National Park Plants", as well as a price which at that time was given you on an additional 1,000 copies. Since the specifications are somewhat changed and the number of pages are not definitely determined, we are quoting you a definite page price on an issue of 2,000 copies of this book, based on approximately 300 pages and cover, page size to be 6 x 9 inches, inside paper stock to be on 60# Cornwall Coated, cover to be full black cloth printed in white ink and to extend, books to have end sheets and headbands.

We quote on above specifications on a 2,000 lot - \$8.19 per page, cover to count as 4 pages. It is expressly understood that end sheets at the beginning and back of the book will not count as pages, unless they have printing on them. Blank sheets in the center of the book, which may be necessary on account of the way in which the book is designed, will naturally take a price of \$8.19 per page, as it will be necessary for these pages to be run through the press. We also wish to call your attention to the pages on which nothing but a half tone or a line cut appears, with a figure, number, or caption line, which will be counted as a page even though we have already made a charge for whatever plate or cut appears thereon.

All illustrations such as half tones and line cuts to be in addition to the above page price and will be charged at the rate of 25¢ per square inch for copper half tones and 15¢ per square inch for line cuts. The minimum charge for copper half tones will be \$3.75 and the minimum charge for line cuts will be \$2.50.

We find from our records that we have already given you a price on 10 copper half tones, 95 line etchings and also 1 line cut to be mounted on metal for the cover plate. The figure given to you at that time was \$427.28 for these cuts. This figure is arrived at on a definite number of cuts and has no bearing whatsoever on any price we may now give you, excepting that it was arrived at by the same method - the square inch rate

* O. Degener #2 9-2-30

will maintain as always. It is further understood that you will make a deposit of \$1,000.00 at the time of installing this job for manufacture in our plant, the balance to be paid in cash at completion of work, at which time we will give you a credit discount of 5% of the total cost of manufacture - All in accordance with the above specifications.

Regarding your inquiry as to the cost of wrapping in kraft paper, please be advised that this will not be an extra charge, as we will, under the present contract, wrap each book separately in kraft paper.

If we are required to wrap books for mailing which will require a more substantial packing, we will pack from 1 to 10 books at 5¢ per book. Where box packing is required of 11 books or more, we will make a charge of \$1.00 per box. However, you are entitled under the terms of the present contract, to the packing of the entire lot in one shipment, but we will concede the point and split shipment of these books into four lots without any additional charge. Postage and freight to be paid by you.

Regarding the inquiry about storing, we will be very glad indeed to store these books for you free of charge for any length of time you desire. Storage will be at your risk and we would advise that you insure the books while stored.

It is further understood that all plates made for this book are to be your property. We will give them a coating of vasoline, wrap them and keep them in our possession without charge until such time as you desire them delivered to you. The storage of these plates will be at your risk also, and it might be well that you insure them also.

If you will supply tape, we will cut same to whatever size you wish and insert one piece in each book, at a minimum charge of \$10.00. Tape not to be attached to book in any manner other than loose inserting.

Thanking you very kindly and assuring you that we will do everything possible to give you the service and quality of work that a publication of this kind should have, we are

Yours truly,

HONOLULU STAR-BULLETIN, LTD.

GEO. A. COOL
GEO. A. COOL

Sales Manager, Printing and
Lithographing Departments.

F. L. McILFEE
F. L. McILFEE

Treasurer

The above specifications, terms and conditions are hereby approved and accepted this _____ day of _____, 1930.

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I'm regaining my health
and seem to be much stronger
than formerly. (when you last
saw me). I'll be a different
man when you see me again.

Still, good luck and
aloha -

Nitta.

9/27/30

P.O. Box 275

Hilo, Hawaii

Sept. 27, 1930.

Dear Prof: -

I received the letter
and medicine which
you have sent me. I thank
you for it. I can't tell you
just what the result is as
yet, but will let you know
later. You don't mean to
tell me that that one bottle
costs \$10.00, do you. If that
is the case, it will make
me a pauper before long.
The address of the company

and the same is so understated
or rather poorly written that
I can't make it out. I
hope that you will write
more plainly and save me
the trouble of using my
unreparable energy in deciphering
it. Please print it or type
it out for me in the next
letter.

It seems as though Honolulu
had a shower or two. Well,
it is good for a change. Hilo
is raining all the time and
I'm sick and tired of it.
Everything is sure and that is

that you can never tell
Hilo's weather and direction of
wind. It has kept me
puzzling all this time. When
I'll solve that puzzle, I don't
know. After all Hilo is not
a bad place. In days
to come, I may come to
like it. However, at present
Honolulu has it beaten by
the mile.

I haven't gone to the
Volcano once after I came
to Hilo on Aug. 29. The project
work of the students has
kept me busy and will keep
me busy for quite a time.

Volcano House
November 4, 1930

Dear Mr. Hegener:

Received your kind letter yesterday which you had sent it on October 15th. Unfortunately I was out for a week vacation when your letter came. So Yamamoto "the head writer" kept it for me. That was very nice of him doing so, though he kept it too long. He said he was looking in desk drawer and happen to see this letter so he rushed up to him me asking if there is anything importance that I have to answer it back immediately.

I'm awfully sorry that I kept you wait so long. But please don't think I was ~~stuck~~ ^{stuck} up for I never do such thing.

I really think you are very kind to let me know that there's a job for me and also a chance to see Cuba. But I'm sorry most likely I could not go. I hate to say though. I have to tell you the truth. I don't think the work will suit me when I am so full of sports. So I think I better say back and work for my \$50.- I could make at least \$7.50

per month, which is not so bad for a fellow like
me who hasn't much education

You Ado like to go Oahu but its too bad
there isn't much opportunity at present. You
know Mr. Gandy very well, don't you? If I
would ask him a time for few weeks or a month
he might say I could go for good. don't you
think so? He is that kind of a fellow,
terribly cranky and never listen for a reason
when he is mad. So if possible, please
hire some one else for I could not go.
I suppose you have one by this time.

Yes! I was surprised at Hitta. I didn't
know he was so cranky as that. I am sorry
he wasn't so decent as we thought.

I heard just once from Hitta since he
had left Oahu, and that was from his
home "Kapoho." It made one terribly surprised
I didn't know anything about it, and never thought
he was back. I received his letter just few days
before yours.

Well, will drop my pen at here, and
hope will hear from you sometime.

Your friend,

Yusuf [unclear]

[Beymer's waiter at the Volcano House whom he had trained
to illustrate his "Plants Haw. Nat. Park" etc. O.D.]

12/29/30
R. E. TORREY
CLARK HALL, M. A. C.
AMHERST, MASS.

December 20, 1930

Dear Otto:

A Christmas card won't do at all because I must be several letters in arrears already and, anyhow, this won't reach you till near New Years.

The last letter from you which lies in my basket is dated July 7 and in it is a request about *Cajanus indica* for Dr. Krauss. We don't have an Hawaiian specimen - only yours from Bermuda and a sheet from Cuba. Hope Dr. K. hasn't been held up because of my dilatoriness.

Well, Son, your last letter was not a very happy one so far as you told me about your physical insides and I earnestly hope the troubles proved to be psychological rather than organic. The former can be dealt with rather easily if one uses common sense and goes sensibly to work. Don't go stepping on any more "slimy things that crawl with legs upon the slimy sea."

We want a copy of that Park Guide just as soon as it is finished and not gratis either. You have done quite enough along that line already. So if you will let me know publisher and price I can send for it. I shall be interested in the elementary ethnology particularly. We both seem fated to keep the printing presses going. I have been reviewing the Elementary botany books with a view to a new edition and have partially finished a third volume. It has been a severe task but the end is now in view. I hope it sounds a new note in elementary botany; there would be small point in writing it if it did not. Three different book companies have asked to have it submitted. They were wary before but they find that the book sells and that we at M.A.C. can't fill all our orders for it.

The first term has just come to a close and I have had 23 students in your pet study - Systematics. Eighteen are going forward next term.

MacLaughlin has been transferred to the Experiment Station and that left the course in Histology on my hands. I rechristened it Microtechnique (which it always has been) and have just finished with a class of 6 students. They really did very well and can do better cytological staining than most of their teachers. Of course the teacher learns a lot too, and I hope to do a better job next year and to avoid the pitfalls. I based the course on methods rather than on plants, and gave the glycerine jelly method for algae and fungi; the balsam infiltration method for the same things (it is similar to the Venetian Turpentine method but avoids the desiccator and I believe has possibilities); then the celloidin method and finally paraffin. Three of the class is so enthusiastic that they want to go forward next term without credit. Of course I taught them not to "bruise" the celloidin sections and to "save every one."

How easy it is to develop the collecting fever and get all het up over beautiful slides of pollen mother cells etc.

Now I wonder what local gossip would interest you.

It really looks as though we were at last to go State College. The affair comes before the Legislature in January and the President and Trustees are supporting it. The President was forced to back down on his "rural complex". The Am. Federation of Labor was pushing the idea of a State University at Boston and these old moss-backs at last got it through their rural skulls that it would mean the finish of this place. So the sky is bright just now. Thatcher is a sick man and is away on leave of absence. I doubt if he ever resumes work here. Perhaps our next president

won't have to be a pig-culturist.

Agriculture is staying under cover here these days though they will save their hides by carrying on with the 2 -year work. I note in the new catalogue that Grant Snyder has just high-hatted all his courses in Veg. Gardening. They are now listed as Olericulture, I'd have you know. I don't think he has improved matters. A cabbage smells just the same if you do call it Brassica oleracea.

Dave Potter came back from Hudson Bay with a raft of plants and kindly gave us duplicates. He spent last year at Harvard and this year is getting his thesis into shape for a Doctorate in June.

My botanical progeny gives me much pride - you see I claim them all; the other Dept. members merely helped me out a little. There is O. Degener, one of the most famous botanists of the Pacific Archipelago; David Potter of Clark Univ., well known for his travels along the Hudson Bay where the hand of man never set foot; Bob Woodworth of Harvard, counter of chromosomes; Carl Guterman who saved the Bermuda lily industry from extinction; Al Gustafson of Williams College (More chromosomes and a swell teacher); Julia Lawrence, instructress at Vassar (not that women amount to much but she deserves mention); and in addition to this a whole school of young minnows with promise, who have been hatched since your day.

But the best thing about these youngsters is that they are all ALIVE and I tell you that means a lot. All of them know, though it may be unconsciously perhaps, that there is Truth above this very muddled and miserable scheme of things, and that in serving that they find wonder and increasing delight. They know, too, that they want to pass it on to other youngsters with whom they come into contact. If I could wish one thing more for all of you it is that you would all take more - drink deeper at the Source. If

the small bit you took has done all this, think what lavish power for human good would be yours if you would only go deeper.

You spoke to me once of the Hawaiian Buddhist Church. Do the priests live true to their vows, think you, and do they know the inner meaning of what they teach? Or have they fallen into the same sterile exotericism and secularism as have the Christian clergy? Are you drawn toward them because of their admirable lives? If so, would it not be possible to help out there and do something to prevent the encroachment of secular America. You are a free lance and would not entangle any institution with missionaries or other well-meaning fools. I think you might serve as a link between modern science and true religion after you had delved more deeply into the latter. I spoke in N.Y. last winter on the subject (you will find it reported in the "Quarterly") and it will show you better what I mean.

No use saying any more along this line till I get your reaction. But it seems to me that here is a chance to do some worth-while work. You need not worry about seeming lack of ability. With the desire to do it and the dedicated will you could do valuable work for the Lodge there.

Now I must bid you a very happy New Year and hie myself to the Aggie Cafeteria after pabulum.

Sincerely

P. E. Turey

"HAWAII'S CROP PARADE" by D.L.Crawford, LL.D. 305 pp. The Advertiser Publishing Co. \$2.50. Review by Otto Degener. author: "Plants of Hawaii National Park", "Flora Hawaiiensis or New Illustrated Flora of the Hawaiian Islands", Books I and II.

When a trained scientist, a world-acknowledged authority on Hawaiian Psyllidae or Jumping Plant Lice, blossoms forth with a book on plants, both entomologists and botanists prick up their ears. The entomologists must regret that one of their learned members has forsaken their fold for greener pastures, while the botanists must welcome a valuable neophyte to a study sorely neglected in Hawaii. When the self-same author turns out to be no less a personage than the president of the University of Hawaii, because of the prestige of the position, not only the scientists but also the layman will take notice.

President David L. Crawford in "Hawaii's Crop Parade" has given us a volume that, after some changes, deserves a place in the library beside Neal & Metzger's "In Honolulu Gardens" and Kuck & Tongg's "The Tropical Garden." Like these two popular garden books it deals chiefly with the well-known or important plants of the Islands, not with the obscure ones that bloom unseen in our mountain recesses. Unlike these books, however, it concentrates on "a review of useful products derived from the soil in the Hawaiian Islands, past and present", and is not concerned with ornamental plants. After devoting 31 pages to Agricultural Prospecting" and a very readable chapter to the "Historical Outline of Agriculture in Hawaii", the author parades various crops before us in alphabetical order. On the first page stand, for instance, Abaca, Acacia, Akala, Alcohol, while on succeeding pages march such subjects as Avocado, Bees and Beekeeping, Coffee, Dairying, Eucalyptus, Frogs, Goats, Horses, Indigo, Macadamia Nut, Ostrich, Pineapple, Sugar Cane, Taro, etc. This parade, after dealing with a good 300 distinct topics, ends on page 289 with Yard-Long Bean and Yerba Mate, The expected straggler, Zizyphus jujuba, had found his place among the Js.

At the modest sum at which "Hawaii's Crop Parade" can be procured, this work is evidently not a business venture in the literary field but the ripe result of a labor of love. It is largely a well-documented and attractively bound compilation, compact and not interspersed with troublesome maps and illustrations. Where such a large array of subjects is given, errors are apt to appear, and in this instance their number is generously large. The reader can, by the simple expedient of pasting several pages of ERRATA on the inner covers, have a very instructive reference work. Among these corrections might be added the following:

ERRATA

AUTHOR'S NAME
(Akala) Rubus Macraei
(Arrow Root) Tacca Pinnatifida
etc.

CORRECTED NAME
R. hawaiiensis
T. hawaiiensis
etc.

It is usually wisest for the successful entomologist to stick to his bugs no less than for the successful cobbler to stick to his last. According to the reviewer's belief a book on crops to be worth while and safe for classroom use should be written by a trained botanist or agriculturist, hardly by a university president perhaps distraught with executive duties. From a perusal of the plant names alone, it is perhaps fortunate for our University that "Hawaii's Crop Parade" is not an official document. Should the author retire from administrative duties this year to return to teaching, the reviewer suggests that he go back to insects, his first love, and not go back to plants.

straggler, *Zizyphus jujuba*, had found his place among the Js. In general, the crop parade is a compilation, as the footnotes show, gathered from many rare and valuable sources. It seems, however, to the reviewer that the chaff was not carefully and critically sifted from the grain before the book went to press. The result is a work that confuses rather than instructs. Even the average intelligent reader cannot possibly glean its wealth of golden grain from beneath the distorted straw left by the quickly moving reaper.

The reviewer, a former colleague who taught Botany at the University of Hawaii about ten years ago while the author taught Entomology there, suggests that an ERRATA be added to the volume. The owner of a copy might use the blank pages - 13 have been provided - just within the cover for this necessary evil. Corrections could begin with changes like the following:

ERRATA

AUTHOR'S NAME	CORRECTED NAME
(Akala) <i>Rubus Macraei</i>	<i>R. hawaiiensis</i>
(Akala) <i>Rubus hawaiiensis</i>	<i>R. Macraei</i>
(Arrow Root) <i>Tacca pinnatifida</i>	<i>T. hawaiiensis</i>
(Avocado) <i>Persea gratissima</i>	<i>P. americana</i>
(Blackberry) <i>Rubus spp. from temperate zone</i>	<i>R. penetranans from Florida</i>
(Brazilian Plum) <i>Eugenia brasiliensis</i>	<i>E. Dombeyi</i>
(Breadfruit) <i>Artocarpus incisa</i>	<i>A. communis</i>
(Brussels Sprouts) <i>Brassica oleracea semmifera</i>	<i>B.o.gemmifera</i>
(Butterbur) <i>Petasites japonica</i>	<i>P. japonicus</i>
(Cardamom) <i>Elleteria cardamomum</i>	<i>Elettaria cardamomum</i>
(Carissa) <i>Carissa Carandas</i>	<i>C. grandiflora</i>
(Cassava) <i>Manihot utilisima</i>	<i>M. esculenta</i>
(Chaulmoogra) <i>Hydnocarpus anthelminticus</i>	<i>H. anthelmintica</i>
(Chinese Cabbage) <i>Brassica Ke-tsai</i>	<i>B. pekinensis or cernua</i>
(Chinese Orange) <i>Citrus japonica hazara</i>	<i>C. mitis</i>
(Chinese Pea) <i>Pisum sativum saccharatum</i>	<i>P.s. macrocarpon</i>
(Chrysanthemum) <i>Chrysanthemum hortorum</i>	<i>C. morifolium</i>
(Cocaine) <i>Erythroxyton coca</i>	<i>Erythroxyton coca</i>
(Cotton) <i>Gossypium barbadense maratima</i>	<i>G. brasiliense</i>
(Crowfoot) <i>Eleusine indica, "good pasturage"</i>	very bad weed
(Crowfoot) <i>Dactyloctenium aegyptium</i>	is not same as <i>Eleusine indica</i>
(Dahlia) <i>Dahlia variabilis</i>	<i>D. pinnata</i>
(Dandelion) <i>Taraxacum vulgare</i>	<i>T. officinale ?</i>
(Dandelion) not very abundant but rare; confused with <i>Hypochaeris</i> or <i>Reichardia</i>	
(Euphorbia) <i>Euphorbia lorifolia</i>	<i>Chamaesyce lorifolia</i>
(Grapefruit) <i>Citrus grandis</i>	<i>C. paradisi</i>
(Grasses) Some 49 species!	Over 100
(Grasses) <i>Bromus unioloides</i>	<i>B. catharticus</i>
(Grasses) <i>Digitaria violasceus</i> [sic]	<i>D. fuscescens</i>
(Grasses) <i>Tricholaena rosea</i>	<i>T. repens</i>
(Grasses) <i>Rhaphis aciculata</i>	<i>Chrysopsaon aciculatus</i>

(Mahogany) *Swietenia mahogani* *S. mahagoni*

(Hala) Pandanus odoratissimus P. tectorius var.?
 (Horseradish) Armoracia lapathifolia A. rusticana
 (Jack Fruit) Artocarpus integrifolia A. integra
 (Jesuit Nut) Trapa bicornis T. natans
 (Kamani) Terminalia catappa T. catappa
 (Kapok) Ceiba pentandra Ceiba pentandra
 (Kola) Sterculia acuminata Cola acuminata
 (Kumquat, tree with 1 inch fruit) Fortunella japonica F. margarita
 (Lima Bean) Phaseolus lunatus P. limensis
 (Lotus Root) Nelumbo nucifera Nelumbium nelumbo
 (Mandarin Orange) Citrus nobilis C.n. deliciosa
 Mandarin Orange is different from King Orange (Citrus nobilis) and not the same

(Chinese Preserving Melon) Benincasa cerifera B. hispida
 (Millet) Chaetochloa italica Setaria italica
 (Mustard) Sinapsis chinensis Brassica integrifolia
 (Passion Fruit) Passiflora ligularis P. ligularis
 (Passion Fruit) Passiflora ligularis P. laurifolia
 (Peanut) Arachis hypogaea A. hypogaea
 (Perilla) Perilla frutescens P.f. crispata
 (Pigeon Pea) Cajanus indicus C. cajan
 (Quince) Cydonia vulgaris C. oblonga

(Rhubarb) *Leaves good cooked as greens according to author and no mention that they may be deadly poisonous (F.A.M.A. 73:926, 1949)*

(Rubber) Manihot glaziovii M. Glaziovii
 (Rubber) Hevea brasiliensis H. brasiliensis
 (Rutabaga) Brassica campestris napo-Brassica B. napobrassica
 (Sandalwood) Santalum Freycinetianum only on Oahu and not elsewhere
 (Sapota) Achras sapota A. zapota
 (Soybean) Glycine hispida G. soja
 (Swamp Cabbage) Ipomoea reptans I. aquatica
 (Taro) dryland varieties are extensively made into poi in Kona and in

similar regions
 (Tobacco) Nicotianum Tabacum Nicotiana tabacum
 (Tree Fern) Cibotium chamissoi C. Chamissoi
 (Vanilla) Vanilla planifolia V. fragrans
 (Vegetable Ivory) Coelococcus carolinensis C. amicarum
 (Wampee) Clausena wampi C. lansium
 (Water Chestnut) Eleocharis tuberosus E. dulcis
 Trapa according to "Standardized Plant Names" is Water Chestnut
 (Watercress) Roripa nasturtium Nasturtium officinale
 (Water Dropwort) Oenanthe stolonifera O. laciniata
 (Wi) Spondias dulcis S. Cytherea
 (Willow) Salix vitellina S. alba var.
 (Yerba Mate) Ilex paraguayensis I. paraguayensis

Scientific names, necessary for the precise identification of plants so often masquerading under different vernacular names in different regions, have no value unless correct. Careless terminology simply imparts a false impression of erudition to a publication. It may thus act as a share to delude the unsuspecting reader into the belief that the work is highly authoritative when it is not strictly so. The "Acknowledgements" unfortunately increase this false impression by stating that

(Ti) *Cordyline terminalis*

C. sp.?

several scholars, including men of the very highest repute, "have reviewed parts or all of the manuscript and made valuable suggestions." ~~Herold St. John and F.R. Fosberg "Have furnished information concerning botanical names and the distribution of some plants."~~ It would be obviously unfair to hold these recognized botanical authorities responsible for the many errors in botanical terms throughout the book. With an average of about one botanical error for every five pages of the parade, one questions the accuracy of Dr. Crawford's descriptive text. Curiously enough, in spite of the impression that "Hawaii's Crop Parade" has the intellectual and financial backing of a fine institution, it is apparently not an official publication at all but merely the exuberant product of a versatile mind employed in research of barely secondary grade.

It is the reviewer's conviction that "Hawaii's Crop Parade" in its present form exhibits symptoms of premature birth. May it receive an early burial lest it promote the teaching of errors to thousands of impressionable pupils in high schools, and tarnish the brilliance of thousands of degrees earned by University of Hawaii students. But such a book should not be allowed to die! From its ashes (like Phoenix, the namesake of the date palm) should arise under the more critical aegis of the Board of Regents a fresh, carefully corrected and revised crop parade, a book deserving a place on the hallowed reference shelf of libraries. As the correcting of some technical errors has already begun in this review, the author should be able to complete his task within a year if granted a well-earned sabbatical. The completed book should be equivalent at least to the thesis required for a doctorate degree at the University of Hawaii, really a good institution here perhaps unwittingly maligned.

Otto Degener

M.S., University of Hawaii, '23.

1/8/29



BOTANIC MUSEUM AND HERBARIUM,
BOTANIC GARDENS,

BRISBANE. 8th January, 1929

Mr. Otto Degener,
2220 Vancouver Highway,
Honolulu,
HAWAII

Dear Mr. Degener,

I have to acknowledge with very many thanks the receipt of the parcel of herbarium specimens advised in your letter of the 8th ultimo. I have been rapidly through the bundle and many of the specimens prove of considerable interest to us.

I hope to send you a return bundle at an early date.

With kind regards,

Yours truly,

G. T. White

GOVERNMENT BOTANIST.