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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.

BRITISH MUSEUM (NATURAL HISTORY)

Cromwell Road,

London, S.W.7

Telegrams: NATHISMUS, LONDON, S.W.7

1 September 1970

Dr Otto Degener
Waialua
Oahu
Hawaii 96791
U.S.A.

Dear Dr Degener,

I must apologise for overlooking your letter of June 4th.

I would very much like to be in a position to accept your offer to work up critically your fern collections from Fiji. There are, however, several reasons why I am not in a position to do so. In the first case, I have just returned from 8 month's collecting in Indonesia and New Guinea and have a great deal of material to work through on that score. Secondly, my interests are in S.E. Asia, (Flora Malesiana area), and in the South-west Pacific, and at the moment I feel I should not get involved in the problems of the Pacific in the true sense.

As you are sending material to New York, I suggest you write to John Mickel there who has recently taken over the post of Pteridologist, and ask him for advice. He may suggest that Conrad Morton at the Smithsonian is in a better position to look at your specimens; on the other hand, he might like to tackle them himself. Close at hand, of course, you could discuss the project with Dr. Bob Lloyd of the University in Honolulu. He has a very capable graduate student, Earl Bishop, who may like to identify your material as a part time project.

on my way home
I was able to have a very brief visit to Maui and I was truly astounded at the sight of Sadleria there; I was able to send some living sporophylls back for growing at Kew. Again, Earl Bishop knows the genus fairly well and Bob Lloyd has another graduate student, a young girl, working on the ecology and establishment of the gametophyte. I think you might do well to discuss ~~with her~~ Sadleria and she could probably benefit from some of your field observations.

With all good wishes,
Yours sincerely,

Clive Jermy

Volcano, Hawaii 96785, USA.
Sept. 5, 1970.

Dear Dr. Jeremy:

Many thanks for your informational letter of Sept. 1.
There are a few points I should like to explain:

I am a staff member of the N.Y. Bot. Garden, an institution that really specializes in plants of the New World. I thought the British Museum, with Fiji formerly a crown colony, would have the better collection of Fiji ferns than an American institution.

I have collected *Sadleria* since 1922 on all our islands capable of growing the taxa. My "bottleneck" is not lack of field observations. It is finding some one in Europe who has access to type specimens and literature. To ask help or to give help to colleagues resident in Hawaii would be a case of the blind leading the blind.

We suspect different taxa of *Sadleria* on the different islands and probably isolated mountain ranges, but without careful comparison with types, we are just rushing around like a chicken with its head out off. Mrs Degener & I have, for example, "*S. souleyetiana*" from various islands. Linnaeus would lump all under the same name; but if we are to follow modern tendencies only one of these many taxa is the real thing. Then, of course, the Bishop Museum has other specimens of this same complex waiting to be untangled taxonomically.

I guess the thing for us to do is dump the little collection of Fiji ferns to Prof. Mickel's lap and abandon them there. We ourselves have enough to do with the Hawaiian flora.

We are relieved you do not leave part of yourself as a souvenir in New Guinea.

A. Olive Jeremy, Bot. Dept.

BRITISH MUSEUM (NATURAL HISTORY)

CROMWELL ROAD,

LONDON, S.W.7

THIS LETTER SHOULD NOT CONTAIN ANY
ENCLOSURES. IT DOES. IT WILL BE SURCHARGED
OR SENT BY ORDINARY MAIL.

BY AIR MAIL
AIR LETTER
AIR MAIL

Dr. Otto Degener

Wetina

Cam

Hawaii 96784

U.S.A.

158

96785

AT



ON HER BRITANNIC MAJESTY'S SERVICE

FREIE UND HANSESTADT HAMBURG
STAATSMUSEUM FÜR ALLGEMEINE BOTANIK
UND BOTANISCHER GARTEN
Herbarium Hamburgense

The Director,
New York Botanical Garden,

Bronx,
New York 10458
U. S. A.

Hamburg, 13.10.1970
Fernsprecher 44 19 71
Postanschrift: 2000 Hamburg 36
Jungfernstieg 6-8

Versandbeleg

Dear Sir,

Wir senden Ihnen mit getrennter Post in
We are sending you under separate cover in 1 parcel

for exchange
~~XXXXXX~~
~~XXXXXX~~
~~XXXXXX~~

34 sheets Meliaceae, Polygalaceae and Euphorbiaceae, leg. A. Dietrich,
div. Gen. and Spec. Please compare with the list
in the parcel!

In commission of Mr. Otto Degener,
Waialua / Oahu,
Hawaii 96791, U.S.A.

Yours sincerely

Walther
(Dr. K. Walther)
Abteilungsdirektor.

Wir bitten Sie, das rote Formular unterzeichnet an uns zurückzusenden.
Please return the red copy duly signed.

FLUGPOST
AIR MAIL
PAR AVION

Absender - Expéditeur:

H. & F. Hermann

A. 3903 Eichenbach

Postleitzahl
Code postal

Österreich

To

Drs. Otto & Isa Degener

F. R. Nr. 1 Box 89

Wailua-Oahu

Hawaii USA 96791

(Bestimmungsart - Lieu de destination)

(Bestimmungsland - Pays de destination)

AEROGARAME

NICHTS EINSCHLEISSEN, SONST KEINE BEHANDLUNG ALS AEROGARAME



Echsenbach, 3. Dezember 1970.

Lieber Herr Dr. DEGENER und sehr geehrte Frau Dr. DEGENER!

Vorerst möchten wir, meine Frau und ich, Ihnen gute Weihnachtsfeiertage und viel Glück und Erfolg im neuen Jahre 1971 wünschen! Sie werden vielleicht nicht ganz verstehen, warum ich in letzter Zeit so selten geschrieben habe. Bitte, mir dies zu entschuldigen! Ich konnte ~~vor~~ seit etwa 1/2 Jahr fast gar nichts arbeiten: eine Augenentzündung löst die andere ab. Ich habe zwar vom Augenarzt Salbe und Tropfen, aber alles hilft nicht viel. Am besten hat sich noch das alte Hausmittel bewährt: Augenbäder mit Kamillenabsud. Auch sonst ist meine Energie fast auf dem Nullpunkt. Aber ich hoffe sehr, daß dies nur vorübergehend ist.

Derzeit bin ich eine Woche lang allein. Meine Frau ist in Wien. Sie braucht Röntgen-Aufnahmen von ihrer kranken Niere. Sie leidet an Nierensteinen. Leider kann ich nicht alles selber machen. Aber wir haben eine verlässliche alte Frau, die täglich 2mal kommt und mir das Schwerste abnimmt.

Kürzlich lernte ich wieder ein Forscherehepaar kennen: Es waren Herr und Frau Lübenau aus Kempten. Sie beschäftigen sich zwar nur mit europäischen Moosen, haben aber einen anerkannten Ruf. Ich war zwar schon lange mit diesen Bryologen in schriftlicher Verbindung, aber ein persönlicher Kontakt fehlte. Nun war^U heuer H. u. F. Lübenau am Schwarzen Meer und reisten über Echsenbach heim.

Abschließend möchte ich Ihnen noch eine Neuigkeit mitteilen: Unser Bleiben in Echsenbach wird mit Herbst 1971 beendet sein. Wir haben uns jetzt selber ein Haus gekauft. Es ist aber noch im Rohbau. Auch Dach ist fertig. Tischlerarbeiten, Wasserleitung, elektr. ~~Installation~~ Installation u.ä. wird bis zum Herbst fertig. Es ist von Echsenbach etwa 80 km entfernt.

nun beste Grüße von meiner Frau und mir

Hans & Paula Hörmann,
A 3903 Echsenbach
Österreich.

Hörmann

25 December 1970

Dear Ones, All--

It's Christmas night, as I start this annual letter (although our cards came six weeks ago from the printer, the usual press of work at the Pentagon--and its "ripple effect" at home has again blocked carrying out our annual resolution to "send out our cards early this year!") But, we are together this year. We were reunited in the States at last, after many delays, when Don arrived home (via Bangkok, Turkey and the Paris Peace Talks) for Christmas 1969 on St. Patrick's Day 1970. Our "fake" 1969 Christmas Tree (we got a real one this year) was covered with dust by then, but true joy was present!!

Don's delay was due to his finishing the development (with the Vietnamese) of plans to take us into that era of the "Just Peace" they have been working together towards achieving. His uniformed chest now is covered with U.S. and Vietnamese decorations--his favorites being the Revolutionary Development Medal and the "V" (for valor) that came along with the oak leaf cluster to his JSCM. His "wildest" is the Vietnamese Army Distinguished Service Order; the simplest but perhaps most distinguished is the Bronze Star, paired off with the Legion of Merit. At home he returned almost at once to the Pentagon, where in the International Security Affairs Office of Secretary of Defense, he is "Assistant for Vietnam (Strategy and Tactics)". Don works on White House directed studies, lectures on strategy at the Vietnam Training Center, and periodically revisits Vietnam. Last June and July he went with the Congressional "Select Committee to Investigate the U.S. Involvement in Southeast Asia" to Indonesia, Singapore, Thailand, Cambodia, Vietnam, and Japan. For a time he was tempted by a proposal to return to the academic world as head of the Anthropology Department at a midwestern University. But, Cambodia put a stop to that--radicals threatened to bomb the Department if he even appeared on the campus, and the academic hierarchy decided that (not for the first time in his life) Don is "too controversial". The reactions next month should be interesting: his Human Sexual Behavior is being published by Basic Books (I never knew that the final publication of a book was so terribly complicated!), and the article on Manganian sex life will be in Psychology Today for February, in condensed form. He balances the Pentagon, his anthropology writing, and work on maintaining the house with a course he is taking with the Yacht Design Institute.

Mira reflects the ups and downs of her generation. She is involved--more than ever before--with youth, black problems, "power to the people", and our rapidly changing world. Mira graduated from T.C. Williams High School, voted the "most individual" member of her class--both a member of the National Honor Society and a leader of the Spring Demonstrations. She has tried living with a girl friend, and has had jobs in an ice cream parlor, an electronic parts factory, and a chemical laboratory. Currently she is at home, planning to go to college next year (The University of Massachusetts) and trying to figure out how to do this and work with her friends to change the World for the better. She has experienced much in the last year--violence, oratory, the reality of a workers life, loss of belongings, and much else of life--but holds to her star.

Lance, a High School Junior, is taller than Don and much more athletic. He does well in school but has also managed the junior varsity baseball team, played on the soccer team, and now is weightlifting in preparation for crew in the Spring. He and his friends play poker, bridge, and other games into the wee hours of the morning. He still makes excellent models (but fewer of them), cooks a bit, works at chemistry, grows ravenous fish, and has a periodic cigar. Lance still wants to go to the Air Force Academy and be a flier. His greatest acquisition (bought with the results of a second summer's work with the Mar-Vel Dive Shop) is a 1962 Sunbeam "Alpine" convertible car--now on the road and running.

Moana, now an excited High School freshman, spends forever reading and reading (mainly Georgette Heyer and other non-school romances) and supports her other activities by "sitting". She still is active in her Church youth group, but has expanded her scope to include the Latin Club and some tutoring of the less fortunate. She loves to shop, canoe, and ride her bike--and dream and plan of dogs and horses and global travel.

Annabel, a frenetic fourth grader, is the gayest member of the family. She can't wedge enough time into exhaustingly long days for all the play she wants with her friends. She goes to Junior Girl Scouts, visits friends in Virginia and New Jersey, and works at self-inspired projects from

building a "house" to constructing a cart. Annabel is learning machine sewing, bakes cookies and cakes, and--like other members of the family---prefers TV (hour after hour of it) and reading to any form of homework.

And Shirley? Ah, me--most of my time goes into chauffeuring, cooking, washing, and being a "girl-of-all-parts". But I have been organized to devote one day a week to the V.A. hospital in Washington, and also assist in Annabel's Girl Scout troop. Periodically I escape to my sister's home in New Jersey. (We took a wonderful trip with the Aunts to the Poconos this Fall.) Bread baking is still my big accomplishment (made doubly difficult this year, though, by a successful "weight reduction" campaign Don and I initiated.)

Next year probably will bring more trips to Southeast Asia-- more decisions as to the future --and more contacts for all of us with that "real-world" that Don keeps talking about. But, we will "Keep the Faith" with all of you.

Our very best, for the New Year--

and For Allways,

Shirley
(and Don)

Miss reflects the ups and downs of her generation. She is involved--more than ever before--with youth, black problems, "power to the people", and our rapidly changing world. Miss graduated from T.C. Williams High School, voted the "most individual" member of her class--both a member of the National Honor Society and a leader of the Spring Demonstrations. She has lived with a girl friend, and has had jobs in an ice cream parlor, an electronics factory, and a chemical laboratory. Currently she is at home, planning to go to college next year. The University of Massachusetts is trying to figure out how to do this and work with her friends to change the world for the better. She has experienced much in the last year--violence, ecstasy, the reality of a worker's life, loss of belonging, and much else of life--but holds to her star.

Jack, a high school junior, is rather than Don and much more artistic. He does well in school but has also managed the more varied basketball team, played on the soccer team, and now is participating in basketball for one of the schools. He and his friends play poker, bridge, and other games and are well known in the town. He is a member of the school choir, and has a part-time job. Jack will return to go to the Air Force Academy and be a pilot. He is a member of the school choir, and has a part-time job. Jack will return to go to the Air Force Academy and be a pilot. He is a member of the school choir, and has a part-time job.

Shirley, now married, lives in a small town. She is a member of the school choir, and has a part-time job. She will return to go to the Air Force Academy and be a pilot. She is a member of the school choir, and has a part-time job.



Have a Merry Christmas
and a
Happy New Year

The Marshalls
Shirley and Don
Mira, Lance, Moana, Annabel

We'll be writing soon about the
Handy volume —

—

The Marshalls
make sure
you get it!



"SPRING IN MIDWESTERN
WOOD"

A COLOR PRINT
Made by
Kodak

"ALPINE FLOWERS AT
INDEPENDENCE PASS"
COLORADO

A COLOR PRINT
Made by
Kodak

"NEW ENGLAND MEADOW
FLOWERS"

A COLOR PRINT
Made by
Kodak

"MARSH FLOWERS OF
NEW ENGLAND"

A COLOR PRINT
Made by
Kodak

P.O. Box 134, Volcano,
Hawaii 96785, USA.
Feb. 13, 1971.

Dear Mrs. Szent-Ivany:

I am rushing this letter to you to let you know that the Stanogyne drawing has been lying in the Volcano village post office all this time! The postman should have known that a package sent AIR MAIL from Australia should be expedited to its final destination with speed. Due to this blunder, this species cannot be printed in the forthcoming fascicle, which is presently at our printer's in Florida.

The drawing is certainly lovely, and will show the flower structure of the genus as a whole. All other species of Stanogyne, as you know, in our Flora Hawaiiensis, are habit sketches. Your drawing is so beautifully precise.

To properly publish a name, we botanists are to cite where the type specimen is deposited. Please tell Dr. Eichler that we shall state IN PRINT that it is in his institution. You should really write on the label that you are the artist, and that your drawing was made for the Flora Hawaiiensis.

Does Dr. Eichler keep types in a special type cabinet under lock & key so that no casual student may carelessly handle it? Worse things can happen: I collected a new Remya on Kauai, and gave the type specimen to the Bishop Museum. It had just a single group of heads, and I never found another flowering plant in my life. According to the late Miss Marie C. Neal, the heads disappeared the same time a California botanist was visiting the herbarium for a few days. I could see that some one, apparently with a razor blade, had made four cuts, and lifted the significant part of the plant from the sheet and had stolen it! Such specimens, when gotten back from the thief, are facetiously called "kleptotypes."

You must let me know some time how much we would owe you for another drawing. We are presently not pushing this activity as we wish to publish the third edition of our Flora Haw. Nat. Park.

Aloha,

AEROGRAMME

BY AIR MAIL · PAR AVION



Dr. O. Degener

Wai'alealua

O A H U

Hawaii, 967911

U.S.A.

Dr. Otto & Isa Degener
P.O. Box 154 Volcano
Hawaii 96785 U.S.A.

COUNTRY OF DESTINATION

SENDER'S NAME AND ADDRESS

M.L. Szent-Ivany

39. Addison ave.

ATHELSTONE

South Australia. 5076

POSTCODE



THIS FORM MUST BEAR POSTAGE AT THE RATE FOR AIR-MAIL LETTERS

AEROGRAMME

BY AIR MAIL · PAR AVION



Dr. O. Degener

Box 154, VOLCANO
Hawaii. 96785

U. S. A.

COUNTRY OF DESTINATION

SENDER'S NAME AND ADDRESS

M.L. Szent-Ivany

39. Addison ave.
ATHELSTONE

South Australia 5076

POSTCODE



Copy

Athelstone, 2. March, 1971

Dear Dr. Degener,

I am delighted to know, that the drawing has turned up after all! It was a great worry and I already started enquiries at our Post Office. You do not mention whether you received my letter also, which I sent a few days earlier than the drawing. However, I can assure you, Dr. Degener, that your mint is in safe hands in our Herbarium. Dr. Eichler told me, that nobody has access to his collection except in his very presence. So you need not worry about chopped off heads and the like. Nevertheless, we would like to send it on to you, but dare not do so until you don't tell me specifically to which address to send it to. We want to avoid the fate of the drawing, which would be more harmful to the plant. So please let me know and then I will mail the mint back to you.

I am sending a copy of this letter to your other address, to make sure you get at least one of them.

I am sorry to say that I am unable/unable to do any work for you in the coming months. First we will have some of our family staying with us and later I have other commitments, which are already waiting for me. But I will let you know when I will be free again.

Last, but not least, thank you for the compliment about my work. It always gives me great satisfaction to know, that what I do is appreciated!
Kindest regards to Mrs. Degener and to yourself

Chania Grent-Young

AEROGRAMME

BY AIR MAIL - PAR AVION



Mrs O. Degener

Waialua

OAHU

HAWAII 96791

U. S. A.

COUNTRY OF DESTINATION

SENDER'S NAME AND ADDRESS

Ch. L. Bent-Wang

39. Addison Ave.

ATHELSTONE

South Australia POSTCODE 5076

GET TO ADDRESS

IF ANYTHING IS ENCLOSED OR ANY TAPE OR STICKER ATTACHED,
THIS FORM MUST BEAR POSTAGE AT THE RATE FOR AIR MAIL LETTERS.

Dear Dr Depew,

2/13/71

Just the other day Dr Eickler told me, that he received some reprints from you and a brief note inquiring about me, because you have not heard of me.

Did you not received my letter of early December and the drawing which I sent on the 11 December Registered and air mail? This worries me a great deal and if you would be kind enough to reply immediately, I would then go to the Post Office and launch my enquiries, since I have the receipt and the Reg. No.

I would feel very obliged if you would write as soon as you can. I do not want to search until I am absolutely sure the article is lost!

Hoping that the postal troubles will not interfere too much with our correspondence!

Kindest regards, yours

Sincerely

H. Lent-Young

AEROGRAMME
BY AIR MAIL • PAR AVION

ADELAIDE

5 - PM
41 DEC
1970

S.A.AUST

Australia

10c

PLEASE POST

50th Anniversary of Qantas

Dr & Dr. O. Degener

RR#1 Box 89

Volcano

Waialae, Hawaii

96791

HAWAII

96785

U. S. A.

COUNTRY OF DESTINATION

SENDER'S NAME AND ADDRESS

M. L. Szent-Hány

39. Addison Ave

ATHELSTONE

South Australia

POSTCODE 5076



TO OPEN SLIT HERE FIRST

HED,

LETTERS.

SECOND FOLD HERE

FIRST FOLD HERE

Dear Dr. Degeener,

2/13/71

I am sending you under separate cover the drawing of your mint.

I have put letters A to E₂ to each drawing on the plate in pencil, so if you wish, you can just erase them, or if you think them necessary, the printer can stick proper ones on.

- A - upper side of leaf,
- B - under side of leaf,
- C - lateral view of flower
- D - front view of flower
- E - corolla, split open along middle front,
- E₁ - Epidermis on lower part of filament, with papillae and glandular hair
- E₂ - hairs on outside of corolla.

I do not know whether or not the last 2 items are important, but according to my experience so far and Dr. Eichler's advice I have drawn them, enlarged x40, which in print will be x20. In case they are superfluous, they can be covered without upsetting the composition of the plate.

For the time being your material is still in the S.A. Herbarium, until you acknowledge the receipt of the drawing. Please let me know if there is anything to be added or altered, I would gladly correct it for you, if you will send me the drawing back. - May I bring to your attention, that the Scraper Board on which I work is very brittle and a corner - or indeed half of it even - could easily be broken if not handled with care.

I do hope, my work is to your satisfaction.

I also wish to thank for the shipment of books which arrived safely. I did enjoy your book on the Fiji expedition; I even found familiar names and faces among the people mentioned or photographed. I met some of them while living in New Guinea, or while traveling last year through Britain, USA and Hawaii!

Kindest regards to Mrs. Degeener and yourself,

Yours

Mark Lee-Wing

AEROGRAMME

BY AIR MAIL · PAR AVION



Dr & Dr Degener

Waialeale

OAHU

Hawaii 96791

Drs. Otto & Isa Degener
P.O. Box 154 Volcano
Hawaii 96785 U.S.A.

COUNTRY OF DESTINATION

SENDER'S NAME AND ADDRESS

M. L. Seut-Vang

39. Addison Avenue

Athelstone

South Australia POSTCODE *5076*



PLEASE DO NOT FORGET TO ADDRESS THIS FORM.

ACHED.

L LETTERS.

—TO OPEN SLIT HERE FIRST—

FIRST OPEN HERE

Dear Dr Begener

Stretton, 12. 70.

First I must apologise for not having answered your letter of the 7th. It gave me much pleasure, and thank you also for the cheque which arrived a few weeks later.

I was very glad indeed that you were satisfied with my work and I would now be interested to do your mint flower and leaf in accordance with your instructions. Until now I was very busy and at the time I just did not know when I will be free again.

However, there is one aspect of my work, which I would like to mention.

It was Dr Eichler who commissioned me with the buttercup illustration, to whom I feel very much indebted indeed, so I did not hesitate to do the drawing for the price offered. - But in general I get £ Austr. 3- for one hour's work. The buttercup took me more than 20 hours and thus normally the price would have been actually much more than the amount received. Naturally as I promised Dr Eichler to do the drawing for the amount available, I consider this as a subject of the past and my above remark refers to future work only.

I do hope, Dr Begener, you would understand, that I have many illustrations to do - not only in botany, but also in entomology - so my time is rather limited and I have to give preference to those, who are able to pay the price generally accepted in Australia.

Please, do let me know if you are still interested, for as from the beginning of August I will have time to fit in the mint. I am sure I would enjoy illustrating it, as my job is also my hobby!

If you decide on sending the material to Adelaide, please address it to The Herbarium, to Dr Eichler, this being the simplest way regarding customs and quarantine regulations - and he will then notify me of its arrival. He also promised to be to my assistance regarding the drawing - as I am no botanist - and in sending the material back to you safely.

Thank you again for your letter. Kindest regards to Dr Begener and yourself.

Observations on the biology of the Pyraustine moth *Epipagis monostictalis* (Hampson) (Lepidopt., Pyralidae), new for the Territory of Papua and New Guinea. * *With compliments of the junior author*

By J. J. H. and M. L. Szent-Ivany** *Maria Szent-Ivany*

ABSTRACT

The rare pyralid *Epipagis monostictalis* (Hampson) was found in the Wau sub-district of the Morobe district of New Guinea in secondary forest as a leafminer of a climbing *Hoya* sp. (Family Asclepiadaceae). Pupation occurred between the two epidermis layers of a cut-out portion of the leaf-mine at some distance away from the host plant.

On the 27th August 1968 the junior author collected the vine of a *Hoya* sp. (family Asclepiadaceae) at Kilolo (sometimes called Gilolo or Kulolo) Creek, near Wau, in the Morobe district of New Guinea, at approximately 3000 feet (914 m.) above sea level. The plant was found on a steep grade in secondary forest, at the edge of primary rain-forest.

Upon arrival at the Bernice P. Bishop Museum's New Guinea Field Station at Wau where the authors were working at the time on a project concerning Lepidoptera life histories, the *Hoya* was planted in a plastic flower-pot. Whilst doing this, the junior author noticed that a tiny mining insect (length about 3.4 mm.) was feeding in the mesophyllum of one of the thick *Hoya*-leaves. During the next three weeks the size of the mine grew considerably, but the larva was still relatively small. It moved gradually upward in the mesophyllum of the leaf towards the apex of the lamina, leaving behind a large quantity of faeces in the lower portion of the mine, close to the base of the leaf. At this stage the contours indicated those of a Lepidopterous larva.

During the next 14 days the larva seemed to have grown faster than during the first three weeks; holding the plant towards the light the more than 1 cm. long miner appeared to resemble the larva of a tortricid or a pyralid. By this time a large area of the bottom part of the mine was filled with dark faeces.

On the morning of the 6th October it was noticed that the larva had left the leaf together with a fairly large oval shaped portion of the clean, faeces-less upper part of the leaf-mine. This was found at a little distance away from the host plant, as a flat leaf-cocoon, hanging on the side of the flower-pot. The shape of a relatively small dark pupa was recognized between the two layers of epidermis. (See fig. 1.)

The mature larva must have cut out the oval-shaped portion of the leaf-mine during the previous night; it must have carried it from the leaf down to the base of the stem of the *Hoya*-plant, from there to the rim and subsequently



Fig. 1 Suspected route of mature larva from the host plant (*Hoya* sp.) to the outside of the flower-pot where it pupated in a leaf-cocoon. (Dorsal-ventral view of the leaf-cocoon is seen on the left hand side of the flower-pot). (Drawing by M. L. Szent-Ivany).

* Partial result of a grant to Bishop Museum from the U.S. National Science Foundation (GB-7330).

** 39 Addison Avenue, Athelstone, South Australia, 5076.

FLUGPOST
AIR MAIL
PAR AVION

Absender - Expéditeur:

Hans Börmann,

A 3903

A. 3903 Eichenbach

Postfach
Österreich

To

Herrn & Frau

Dr. Otto und Isa DEGENER

RR Nr. 1 Box
89

96751

P.O. Box 154

(Bestimmungsort - Lieu de destination)

Hawaii - USA

(Bestimmungsort - Lieu de destination)

AEROGRAMME

NICHTS EINSCHLEISSEN, SONST KEINE BEHANDLUNG ALS AEROGRAMM



20. Februar 1971.

Lieber Herr Dr. DEGENER und werte Frau Dr. DEGENER!

Mit herzlichsten Dank bestätige ich den Erhalt der zwei Sonderdrucksendungen. Sie sind sehr interessant und gaben mir manche Anregung.

Ich möchte Ihnen nun kurz von meiner Tätigkeit berichten: Sie haben mir so wunderschönes Material aus New Zealand geschickt. Ich habe alles bestimmt und geordnet. Nun habe ich mit Herrn Dr. van ZANTEN von der Universität Groningen (Holland) vereinbart, daß wir unser Material gemeinsam veröffentlichen. Er war nämlich im November 1959 mit einer Forschungsreise dort und sammelte auf der **North-Insel**. (z.B. Hawke' Bay u.a.). Das ~~xxx~~ Material ist zwar schon geordnet und in einzelnen Täschchen, aber noch gar nichts bestimmt. Ich habe nun das Material zum Determinieren übernommen: Es ^{sind} mehr als 300 Proben. Etwa 150 habe ich davon schon bestimmt. Die Arten weichen von jenen der ~~xxxx~~ Südinself (wo Sie sammelten) zum Teil stark ab und bilden so eine recht günstige Ergänzung. Vielleicht gelingt es mir noch, auch die Moose New-Zealands einzubeziehen, die Fleischer 1902 auf dieser Insel sammelte. Sie sind noch unbestimmt und sind im Botan. Museum Berlin.

Heinrich
Eine Einzelarbeit über ein recht interessantes Moos N. Zealands liegt seit fast 2 Jahren bei der Redaktion der "Mitteilungen der Akademie der Wissenschaften in Wien". Leider dauert es dort immer so furchtbar lang. Die Arbeit wurde vom derzeitigen Rektor der Universität Wien übernommen und in der Sitzung der Akademie dem zuständigen Redakteur vorgelegt. Dieser hat sie vermutlich aufs Eis gelegt. Die Wiener Universitätsprofessoren werden ja jetzt durch viele Studentendemonstrationen sehr abgelenkt. Neuerdings fordern sie das Mitspracherecht bei der Professoren-Ernennung und zwar Professoren : Studenten = 1:1. So wurde jetzt ein demokratisch gesinnter Prof. abgelehnt, weil die Studenten einen Kommunisten wollten.

Meine Frau war jetzt sehr krank. Sie hatte sehr hohes Fieber. Abnormalerweise morgens sehr hoch und abends Untertemperatur. Sie ist jetzt allerdings schon außer Bett, aber noch geschwächt. Mir geht es relativ gut, aber die Augen muß ich sehr schonen u. eine Nervenentzündung der Schulter und des Oberarmes stört mich sehr.

Nun beste Grüße, auch von meiner Frau!

Ihr ergebener

Hörmann

BEITRAG ZU SCIADOCLADUS MENZIESII (HOOK.) LINDBERG,
EIN ENDEMISCHES MOOS NEUSEELANDS

Han Hörnmann

Sciadocladus ist eine sehr kleine Gattung der Familie Hypnodendraceae, die ebenfalls auf nur vier Gattungen beschränkt ist. Die Familie ist im indoasiatischen Gebiet und auf den pazifischen Inseln beheimatet; Sciadocladus aber nur auf Neuseeland, Neuguinea und Neukaledonien. Sciadocladus unterscheidet sich von den noch zu obiger Familie gehörenden Gattungen durch eine glatte Kapsel (The smooth capsule at once distinguishes - - - from others of the family, Sainsbury, p. 317). Bei dem starken Wechsel der klimatischen und landschaftlichen Bedingungen auf der Inselgruppe "Neuseeland" gibt es für Moose recht günstige Standorte. Es kommen Hochgebirgs-lagen mit Gletschern und andererseits Fjorde und Tieflandsgebiete mit niederschlagsreichen Nothofagus- und Baumfarnwäldern vor. Der Boden baut sich auf aus Urgestein oder Kalk und auch ausgedehnte Lavafelder sind vorhanden (Herzog, p. 371). Es sind also die besten Bedingungen für Moose gegeben. Die insuläre Bedingung und die Isolierung besteht schon seit langer Zeit, so dass Endemismen in grosser Zahl vorhanden sind. Auch die beiden auf Neuseeland lebenden Sciadocladus-Arten gehören dazu. Es sind dies S. kerrii und S. menziesii. Beide sind steril nicht mit Sicherheit zu unterscheiden. Wenn jedoch die Sporophyten zur Verfügung stehen, ist ein Zweifel ausgeschlossen. Bei S. kerrii erreicht die Seta 1.5 - 3.5 cm. Länge und die Kapsel 2.0 - 2.5 mm. Die entsprechenden Masse sind bei S. menziesii viel grösser. So werden für die Seta 5 - 7 cm. und für die Kapsel 4 - 7 mm. angegeben. COCKAYNE beschreibt die Moosvegetation der Südinsel und führt unter den wichtigsten Arten auch S. menziesii an. Da von dieser wichtigen, endemischen Art keine in die anatomischen Einzelheiten eingehende Monographie vorliegt, fühlte sich der Verfasser veranlasst, dies in einer kleinen Studie, soweit es das vorliegende Material zulässt, nachzuholen.

Im Jänner 1969 botanisierte das Forscherehepaar Drs. DÜGGER auf Neuseeland und achtete dabei auch auf die Moose und Flechten. Unter der Sammelausbeute war auch eine reichlich fruchtende Probe von S. menziesii, welche das Material für vorliegende Arbeit lieferte. Die Moosprobe trägt die Etikette No. 31,857 und lautet: "Minihaha Track near Fox Glacier, South Island, Dense forest. Jan. 12, 1969."

Habitus: S. menziesii ist eine robuste, glänzende Pflanze. Von einem kriechenden, rhizomartigen und dicht braunfilzigen, primären Stamm erhebt sich ein fast schwarzer Sekundärstamm. Dieser ist bis zu einer Länge von 5 - 10 cm. ohne Seitenzweige und spärlich mit Schuppenblättern bedeckt. Am terminalen Ende befindet sich ein Quirl von 4 - 8 gefiederten, dicht beblätterten Ästen. Dadurch wird der Habitus Büschenartig und erinnert an eine Miniaturpalme. Der

THE BULLETIN of the PACIFIC TROPICAL BOTANICAL GARDEN

VOLUME 1 — NUMBER 2

KAUAI, HAWAII

APRIL 1971



Above: The Lawai Valley and the Pacific Ocean form a backdrop for the Dedication.

Below: Former President Horace Albright and guests gather in front of office.



PHYTOLOGIA

Designed to expedite botanical publication

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Moldenke
DEPARTMENT OF BIOLOGICAL SCIENCES

18 August 1971

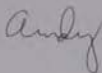
Dear Otto and Isa:

A great many thanks for your letter and what is perhaps apparently some sort of undeserved present which just arrived. Many thanks again. One of these days I have got to see you folks again on the islands; I certainly do remember our wonderful trip to Hawaii with my parents.

About the Clytrinae revision -- no it was not anything related to my thesis. My thesis was a 355 page study of species diversity of plants, feeding-preference of pollinating insects and genetic control systems of plants (compatibility/incompatibility/ploidy levels, etc.) and how they all fit together along a transect from the off-shore Farallon Islabds through to the top of the Sierra Nevada here in Central California -- just submitted on 12 August.

My grant has been renewed for bee/pollination research in Chile but with my new job at UCSC I am not quite sure just when we will be leaving. I will be teaching ecology and related fields and comparative anatomy at UC. Alison has gotten another grant to continue on her research into the biochemical/developmental/ecological tricks that Pieris butterflies (cabbage butterflies) use to so much benefit. Just returned for a field trip to the Canadian Rockies where I hope we will be working next summer.

Much love. Aloha,





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by

Andrew R. Moldenke

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Stanford University
Stanford, California 94305

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SCHOOL OF PHARMACY

Telephone 826-4740—Area Code 205

19 August, 1971

Drs. Otto and Isa Degener

P O Box 154

VOLCANO - HAWAII 96785

Dear Otto and Isa:

Thank you very much for your interesting missive of 23 Feb. and please do forgive my slow reflex utterance. As you will note from further data, I had some good reasons however.

I was concerned when you spoke of your cardiac malady, ventricular Tachycardia. From what I can gather from my reading this is not very serious and seems to be as you intimate a sort of ~~psychic~~ psychogenic disorder. So apparently it is nothing to worry about. I have no idea about this praying people to death; it is claimed factual for persons in some parts of the world; strong mental suggestion. Maybe kava is a remedy, altho I would prefer the modern type of beer from what I have heard about kava: chewing and expectorating, as mode of manufacture.

I was surprised to hear of your age; I think you you as I remember you in NYC and have not taken advantage of the march of time. I likewise move along with you, and am no 63. My brother passed away a few years ago at 64 - heart attack; sudden on field trip. I hope I have longer than one year to live. Like you I walk for exercise, am also cutting out solid fats, fat meat, eggs (except rarely), coffee and tea except in homeopathic doses, too much sugar. These all seem to be factors in cardia diseases. Of course smoking is anathema and I gave that up many years ago. I make an effort to eat more frt and vegs.

The dizzy spell you spoke of is similar perhaps to what I have suffered from for years. When I squat down to weed or putter around the yard, then stand up, I black out and remain so for 5-10 seconds. However, I understand that this is not significant and is simply a result of maldistribution of blood to brain.

I quite sympathize with you in your efforts against pollution of all kin's. Especiall in the tropical paradise of H. It sometimes seems that the chief enemies to our way of life are not the Russians or Chinese but our own people who give lip service to our "way of life" but pour their manufactured waste poisons into ocean, stream, and soil.

From what you say, you appear to be living during the summer in Oahu, and so I will send this letter to that address. I'll be going with Mrs. H. to visit my mother and sisters in Vancouver B.C., leaving here the 25 Aug. and returning the 20 (ca.) Sept. (My mother is 96 yrs. old).

Best wishes to the both of you.

Sincerely

George George M. Hocking, Auburn, Ala

Spent a month last summer in Europe - Denmark, Germany, Netherlands, Belgium, Austria, Switzerland. Delightful.

THE LAND-GRANT UNIVERSITY OF THE STATE OF ALABAMA

P.S.

Forgot an important bit of news: enjoyed a cholecystectomy in June; prior to that hospitalization for total of nearly 3 weeks. Tot. cost over \$3000. (Fortunately covered by 2 insurance policies).

You can readily see why I have been remiss in my correspondence.

The gall bladder was about the worst that the surgeon had ever seen he said. Was lucky to find out my trouble and get rid of it, I guess.

Four days in intensive care unit; first g. b. attack the MDs thought was heart attack. So far heart holding up well.

Am enclosing couple of sheets with abstracts.6

G

European mistletoe has long been used in high blood pressure
This parasitic plant is ~~also~~[^] used in making "bid lime" as you of course
know, which is a gooey mess intended to prevent birds alighting on it
(placed on a post) from flying away. Dr. R. M. Harper once suggested ^{to}
me the similarity in the words "Viscum" and "viscous".
Also The French word "gui" for mistletoe is similar to our slang
expression "gooey" for something sticky. What do you think of this ?

G.

BEITRAG ZUR PHARMAKOCHEMIE UND PHARMAKOLOGIE DER MISTEL (*Viscum album*)*

VON J. P. HECHTSBERGER

INHALTSÜBERSICHT

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1	Zusammenfassung

I. EINLEITUNG

Die weisse Mistel (*Viscum album*), eine Schmarotzerpflanze der Familie der Loranthaceen, spielte seit den Anfängen unserer Zeitrechnung eine ausserst wichtige Rolle im Kulturleben Europas. Die ersten Mistelfunde stammen wahrscheinlich aus der prälazialen Zeit. Der Name «Mistel» stammt nach Richter¹ vom altnordischen «miste», was gleichbedeutend ist mit «auseinandergehend». Dieser Ausdruck ist bedingt durch den gabeligen Bau der Pflanze.

Über die mannigfaltige Bedeutung der Mistel in Religion und Sagedichtung der Antike und des Mittelalters möge nur angedeutet werden, dass die immergrüne Pflanze bald als Sitz der Gottheit bezeichnet wurde, bald als Todessymbol galt, da die Bäume, auf denen sich die Mistel in grossen Mengen ansammelt, zugrunde gehen. Daneben fand die Pflanze Verwendung als

* Diss. pharm. Bern 1952 (Auszug). Mit dem *Preis Reguin* ausgezeichnete Arbeit.

¹ J. Richter, Pharm. Zentralhalle 1934, 176; zit. nach R. Kress, Dtsch. Apoth. Ztg. 50, 453 (1935).

MARGERY C. CARLSON
2308 HARTZELL STREET
EVANSTON, ILLINOIS 60201

Aug 30, 1971

Dear Dr. & Mrs. Degen:

I was so pleased to hear from you -
Have often thought of you and wondered
how you are.

We are quite well, considering that we
are getting along in years - I close to
79. And our activities are more limited.
We go to Mexico every winter and to
northern Wisconsin every summer.
I don't do much plant collecting any-
more, but have been working very
diligently to ^{preserve} ~~save~~ some of the
natural lands in Illinois. I
have just raised \$55,000 to buy
a virgin deciduous forest of
some 252 acres, and previously
have been responsible for saving
several other areas - some by gift,
some by purchase. All this is through

the Nature Conservancy - Illinois
chapter of which I have been secretary
for 12 years. I helped with Nature
Conservancy's efforts to preserve the
Valley of the ^{Hauwiff} Sacred Pools on Maui.

I have been retired from Northwestern
University for 13 years - How the
time has flown - I have worked
continuously since retirement on
volunteer conservation work -

Best wishes to you both - And
congratulations on your efforts to
save some of Hawaii.

Margery Carlson
Kate Staley

A MERRY CHRISTMAS AND A HAPPY NEW YEAR 1970

Even though we have little new to tell, we have decided to write again, because we have been so delinquent about writing during the year, and because we are eager to hear from you.

We spent the year in the same three places: Mexico, Evanston, Sayner. Nothing very exciting happened, except that we bought a new car hoping to drive to Mexico, but I failed my driver's license test and had a terrible time getting it renewed. What a tale!

We were in Mexico City for New Year's Eve. The display of colored lights was fantastic. Patterns in lights were strung across the streets, and pictures in lights, some animated, were on the walls of buildings. People in costumes filled the parks and streets. Vendors selling balloons and noise-making devices lined the walks and curbs. Photographers taking pictures of anyone who would pose with the costumed Three Wise Men or with Santa and his sled were everywhere. We had a snack in Sandborn's near the Prado Hotel and watched the New Year come in.

The winter at Oaxaca Courts was very pleasant, with lots of sunshine. We walked, watched birds, swam in the pool, and enjoyed many visitors from the States. A library, founded by the America colony, provides us with plenty of reading material.

We came home on March 1. I pitched in to raise the \$40,000 for the 160 acres of woods along the Vermilion River in La Salle County. I had 9,000 brochures - very nice ones with 5 pictures of the area in color - to mail out. I had taken my typewriter to Mexico and had spent hours and hours typing names and addresses on stickum labels for the envelopes. Kate spent hours and hours looking up zip codes for the addresses. By the time we left for Sayner, we had mailed about 6,000 pieces and had raised about \$24,000. At the cottage, I worked on more addressing and mailed another 3,000 in the fall. At present, we have about \$37,000 with just \$3,000 short of the goal. I often think of all the things we have given up for this project - social life, traveling, reading, etc. and I think I should give up saving wild land for posterity and have a little fun.

The weather in Wisconsin was not as cold as the past two summers. I swam almost every day. We picked wild red raspberries and made jelly. The best raspberry patch is on state land over near Kate's cottage, so she often picked with us. The same three friends have come to keep me company - one at a time - for the past several years. And Good Companions they are!

Since I wanted to attend the Annual Meeting of the National Nature Conservancy in Madison, we came home earlier than usual - August 25.

Both in the spring and in the fall, we had many trips, most of them in Illinois and most connected with my conservation activities. We visited most of the areas owned by the Nature Conservancy and found very little destruction or litter. The Conservancy owns 21 areas, 9 of which were gifts and 12 were purchased. Of the gifts, 4 were due mostly to my efforts, and of those purchased, I was responsible for raising the money for 4 others.

We attended four meetings of the Nature Preserves Commission in different parts of the state. My term on the Commission will expire soon; sad to say, because I have enjoyed it. I have been on for 8 years. Meetings are open to the public, so I can continue to attend if I wish, but unofficially. Illinois has put the other states to shame with the number of Nature Preserves it has acquired. The legislature finally woke up and appropriated 14½ million dollars for land acquisition, most for state parks, but 1½ million for Nature Preserves which will be protected in their natural condition.

We gave many talks to Garden Clubs, other groups, and even to Lions and Rotary Clubs, Kate operating the projector for slides.

I meet groups of school children and Scouts at the Nature Center in Lighthouse Park, and, with my handyman, Willie, I take care of the wild flower garden there. In spite of little care, our garden at home has been a mass of color with chrysanthemums in bloom until this present freeze.

In three weeks we will take off for Oaxaca again and the cycle will start over. Perhaps next year we will decide to do a little travelling and have more social life.

Trusting that you are, and will remain, in good health, we look forward to hearing from you.

Margery and Kate

X my work

8/30/71

HARRIS TRACT, 237 acres. Springs, wet land with cattail and sedges, wet prairie. Gift of Stanley Harris. Conveyed to the University of Wisconsin with reverter clause to The Nature Conservancy.

- X VOLO BOG, 47 acres. Small lake, surrounded by floating sphagnum mat, tamarack, leather leaf, northern holly, poison sumac, ferns, orchids, pitcher plants, sundew, and cattails. Funds raised by the Illinois Chapter. Transferred to the University of Illinois with reverter clause to The Nature Conservancy.

CARPENTER WOODS, 9½ acres. Flood plain forest on Des Plaines River. Gift of Mrs. Arthur Dixon. Leased to Lake Forest College for 99 years.

- X WAUCONDA BOG, 67 acres. Maturing tamarack bog. Large colony of the showy lady's-slipper and sweeps of fringed gentians. Funds raised by the Illinois Chapter. Transferred to the University of Illinois with reverter clause to The Nature Conservancy.

- X PINE ROCK, 58 acres. Large sandstone outcrop, oak-hickory woods, dry prairie with prairie grasses and brilliant flowers, blending into wet prairie with sedges, lilies, and orchids. Funds raised by the Illinois Chapter. Transferred to Northern Illinois University with reverter clause to The Nature Conservancy.

- X BARTLETT WOODS, 22 acres. Upland hardwood forest and wild flower area. Gift of Watson Bartlett.

BURTON CAVE, 78 acres. Upland deciduous forest, prairie remnants, and cave used as hibernacula by bats. Gift of The Quincy Foundation through George Irwin.

NETTIE HART MEMORIAL WOODS, 36 acres. Woodland bordering the Sangamon River, with both flood plain and upland habitats, with such rare plants as Indian pipe, panax, and orchids. Site of four Indian mounds. Funds raised by the Illinois Chapter. Transferred to the University of Illinois with reverter clause to The Nature Conservancy.

- X PORTLAND ARCH (Indiana), 147 acres. Forest of both northern and southern trees, such as white pine, pawpaw, dogwood, and redbud. Secluded stream which has cut through sandstone canyon. Funds raised by the Illinois Chapter.

ROCKY BRANCH, 175 acres. Stream has cut through a sandstone canyon. Forest of sycamore, maple, tulip tree, beech, butternut, white ash, and hackberry. Rocky walls with mosses, liverworts, and ferns. Valley floor with great variety of wild flowers. Funds raised by the Illinois Chapter. Transferred to Eastern Illinois University with reverter clause to The Nature Conservancy.

PRAIRIE GROUSE LANDS - In Indian days the "boom" of the prairie grouse sounded over the land and 25,000 of these exciting birds were a part of the Illinois scene. Now fewer than 500 remain here and without help these remnant flocks will vanish at the present rate by 1970. The Illinois Chapter is deeply involved in stopping this decline through a program of sanctuary acquisition. The Prairie Grouse Committee of the Illinois Chapter has purchased 6 areas to date totaling 577 acres. The Prairie Chicken Foundation of which the Illinois Chapter is one of five sponsoring agencies controls 5 areas totaling 297 acres. The Illinois Natural History Survey of Urbana directs the research on prairie grouse on all of these sanctuaries.

- X BIG CREEK MEMORIAL WOODS (CLINE WOODS), 40 acres. A beautiful woodland of oaks, hickories, maples, tulip trees and black gums, with a stream running through it. The bluffs have outcrops of rock, with mosses and ferns. The flood plain has sycamores, sweet gums, and river birches. Gift of Dr. Frances Cline of Rhinelander, Wisconsin.

ICA MARKS PRESERVE, 40 acres. Upland and flood plain forest, old fields in different stages of succession. Two creeks and a river. Gift of Ica Marks.

BEALL WOODS, 624 acres. Virgin hardwood forest, including 11 kinds of oaks, and 6 of hickory, many of record size. The Nature Conservancy initiated and sustained the project until it was acquired by the State as a State Park and Nature Preserve.

- X HOLMBOE PRESERVE (Wisconsin), 32 acres. A virgin mixed northern forest, bordering the Pelican River. An area of high ridges and deep hollows, with sphagnum bogs and cattail swamps. Gift of the Holmboe family.

X Berkeley Prairie
X Big Bend of the Vermilion



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Algonquin, Ill. 60102

NATURAL AREAS

Harris Tract (Wisc.)

Volo Bog

Carpenter Woods

Wauconda Bog

Pine Rock

Bartlett Woods

Burton Cave

Hart Woods

Portland Arch (Ind.)

Rocky Branch

Prairie Grouse

Cline Woods

Ica Marks Preserve

Beall Woods



PACIFIC TROPICAL BOTANICAL GARDEN
P.O. BOX 788, KOLOA, KAUAI, HAWAII 96756

WILLIAM S. STEWART
SCIENTIFIC DIRECTOR

September 15, 1971

Drs. Degener
Waialua, Ohau, Hawaii 96791

Dear Friends:

Thank you very much for your thoughtfulness in sending the reprints which arrived last month during my absence. We are most appreciative of this material for our Library here and be assured it will be put to good use.

Is there any chance you may be coming over this way in the near future and can see the progress being made here in the Garden. We would enjoy an opportunity ~~of~~ ^{to} showing you around whenever you may be able to come.

With best greetings.

Sincerely,

W. S. Stewart

William S. Stewart

WSS/po

Sept. 16, 1971.

Dear Mr. Peterson:

A few days ago a Mrs. Eleanor Davis, a retired librarian living in Kailua, Oahu, telephoned me. She is writing a biography of the local, Scandinavian Judge Hornander (who married the chiefess Pinau), wrote voluminously and well about Polynesian researches and died in the Hawaiian Islands about 100 years ago.

Hornander, like contemporaries Hillebrand and Hildgate, made collections of local ferns. Mrs. Davis came across a record that this Hawaiian fern collection finally was bequeathed to some Scandinavian institution. She herself has been in Stockholm in an attempt to trace these ferns. Have you noticed perhaps any Hawaiian plants collected by Hornander in the ~~garden~~ or other herbaria? We should like to know.

Do you know that Gupta, S., & G. W. Gillett published "Observations on Hawaiian species of *Wibetiscenia*". Pac. Sci. 23: 83-88, 2 fig., 2 tab. 1969? The longer Göteborg carries in publishing Dr. Shott's monograph, the more will it be absolute and the more will Mrs. Jagersky's collecting efforts and observations be wasted! Has Göteborg no funds, when even I can afford to offer to pay for printing Dr. Shott's Berg's monograph in *Phytologia*? As you know, the local gossip is that his strong personality made him enemies in Sweden and that is why he is being treated as a "no-person" like N. S. Khrushchev, and his completed work fails of publication. I have tried to counter this belief by

even a street named in his honor.
GÖTEBORGS UNIVERSITET
BOTANISKA MUSEET

Göteborg 3.IX. 1971

Aloha,

Otto Degener

Dr. Otto Degener
Waialua

OAHU - Hawaii 96791
U.S.A.

Dear Dr. Degener,

Please receive my cordial thanks for the packet, containing 15 herbarium specimens from Hawaii and Fiji, that arrived here today. I must confess that I am particularly happy with the specimens of Wikstroemia and I will write again to you as soon as the material has passed fumigation and I have been able to look at them.

A also want to thank you very much for the reprints on the Hawaiian and Fijian vegetation.

With kindest regards to you and Mrs Degener,

Yours sincerely,

Bo Peterson

(Bo Peterson)



the horticultural society
of new york

128 WEST 58th STREET, NEW YORK, NEW YORK 10019
AREA CODE 212-757-0915

October 15, 1971

Dr. and Mrs. Otto Degener
P.O. Box 154
Volcano, Hawaii 96785

Dear Drs. Degener:

As you know, this Society in cooperation with the Massachusetts and Pennsylvania Horticultural Societies is bringing a group to Hawaii (leaving New York tomorrow). Ted Picco has been very helpful on the Maui and Hawaii parts of the trip.

We are asking a few people to join us for informal cocktails on Thursday, October 28, at the Maniloa Hotel, and would be delighted if the two of you could make it.

We indeed look forward to our visit.

Yours sincerely,

A. W. Allport

Alexander W. Allport
Executive Director

mla

A Tree for New York... You can plant one today

BERNICE P. BISHOP MUSEUM

P. O. Box 6087, Honolulu, Hawaii 96818 • Telephone 847-3511

November 8, 1971

Dear Otto and Isa Degener:

Thank you for sending me a copy of your interesting and informative article concerning David Douglas. I have put it into my Hawaiian "Biographical" File, under "D".

I manage to keep busy, even though "retired". The enclosed "flyer" will inform you regarding recent and current activities. Just at present I am revising the maps and index of my street guide for 1972. It is the royalty from this that keeps the PASIC in spending money between "paying" projects.

I see by the postmark on your letter that you are enjoying the Kilauea - Olaa region.

With very best regards,

Ed Bryan

Edwin H. Bryan, Jr., Manager.

P.S. I spend a pleasant but chilly month (Aug.+Sept.) in Australia attending the 12th Pacific Science Congress. I was the only person there who had been at the first in 1920.

11/3/71

PACIFIC SCIENTIFIC INFORMATION CENTER
Bernice P. Bishop Museum, P.O.Box 6037
Honolulu, Hawaii 96818

RECENT PUBLICATIONS

- Land in Micronesia and its resources: an annotated bibliography.
Compiled by E. H. Bryan, Jr. and Staff for the Trust Territory
of the Pacific Islands. 119 pages, map. \$ 3.00
- Bryological Bibliography of the Tropical Pacific Islands.
Compiled by H.A.Miller, H.O.Whittier, R.M.del Rosario, and
D.S.Smith for the Standing Committee on Pacific Botany of
the Pacific Science Association. 51 pages, 1971. \$ 2.00
- Guide to Place Names in the Trust Territory of the Pacific
Islands. Compiled by E. H. Bryan, Jr. for the Trust
Territory of the Pacific Islands. 406 pages, 114 maps,
1971. \$ 5.00
- Pacific Anthropologists 1971. 88 pages and a folder of
additions and corrections. \$ 1.00

Prices listed above included direct delivery by mail.

IN PREPARATION

- Life in the Marshall Islands, by E. H. Bryan, Jr. 236 pages,
maps, illustrations of plants, birds, fishes, insects, etc.
(Publication scheduled for winter, 1971-2.)
- Guide to place names in the Hawaiian Islands. (Scheduled for 1972)
- This will be the first part of a guide to place names in Polynesia.
- Other publications having to do with the Pacific are being contemplated.

November 15, 1971

Dr. C. G. Degener,
Waialeale,
Oahu,
Hawaii.

Dear Dr. Degener:

I am writing at the suggestion of Dr. Rickett of the New York Botanical Garden. Dr. Rickett felt that you might be willing to help me with advice on a special problem.

Briefly. I am a professional artist and a very amateur botanist. Because of my interest in wild flowers as well as in landscape painting I have begun a project that I have devoted much of my time to for the past year and intend to make a good part of my life's work.

The four enclosed photographs of nearly-completed paintings will

11/15/71

serve to illustrate what I am attempting,
namely to portray wild flowers growing
in their native environments. Besides
the four pictures enclosed I am
working on three more: "The Desert in
Bloom," "Autumn in Vermont" and
"Roadside Flowers of New England." Next
spring I will begin "The Prairie in Bloom"
and "Spring in the Great Smokies." And,
of course the list of future pictures is
endless.

These paintings measure 18" x 25"
and are painted in watercolor. Ultimately
they will be reproduced full size in limited
editions. As yet the selling and distribution
of the prints has not been determined,
but the New York Botanical Garden is a
possibility. I would be the publisher.

In any case, as you might have
guessed by now, I am most anxious
to do a painting of Hawaiian flowers
— wild, native — and I plan to come
to Hawaii in January or February for
this purpose. As you might also guess,
I am very much in need of advice.

I am well aware of your reputation as the leading authority on Hawaiian flora but before Dr. Rickett encouraged me to write to you I hesitated to presume to write to you. I am also well aware of my botanical limitations, particularly in the field of tropical plants. I have done some research, including work by you and I must confess that I am quite confused. I realize, for example, that if I am to pursue my original theme - that of "native" or "wild" flowers - I am in serious trouble when it comes to such a classification in Hawaii. I gather that the endemic species of Hawaii are not particularly showy, even if the Hawaiian landscape would be spectacular. I am also, of course completely ignorant of the locations of native species.

I therefore most apologetically appeal to you for assistance. If by the enclosed examples you can imagine a locale that would be representative of Hawaii and at the same time be a place where I could go and find typical flora, all of which could be composed into a painting, I would be most grateful for your ideas.

Yours most sincerely,

Fredrick James

Feb 5. While you & Fredrick James & I all me it must have if might be possible to acquire subsequent volumes of your magnificent work. I have of the Hawaiian Islands. I have volume 1-6.

Nov. 17, 1971.

Dear Mr. James:

I have your Nov. 15 letter, and understand what you have in mind. I do not know, however, whether you are willing to rough it or to stay in expensive hotels. The islands are more expensive than N.Y.

There are innumerable, delightful places with delightful endemics. If you wish to live inexpensively within Haleakala crater in a crude cabin, perhaps at times with other campers, write for reservation for yourself; would a week or two be enough? for Holua Cabin to Supt. Cahill, Haleakala National Park, Wailuku, Maui, Hawaii. You would need car transportation to 7,000 feet or so, and then you must walk 3 - 4 miles to the cabin, carrying your own equipment unless you wish to hire some man with mule to help you get settled.

There are picturesque areas with endemics in Haw. Volcanoes National Park, Island of Hawaii. On its edge on Kalanikoa Street, Volcano (the village name) is an excellent Forestry cottage you can rent. Why not enquire from Division of Forestry, Kilauea Ave., Hilo, Hawaii. You must always make reservation beforehand because of a possible waiting list.

On Kauai you MUST get up to Kokee and see Kalalau Valley. A forestry cabin is there which you might possibly rent. Write Division of Forestry, Lihue, Kauai, Hawaii for rates, etc.

A young man with ideals (not a hippie) is pioneering on Molokai, building his own cabin. He knows Botany, and could be a great help. It might be a good experience for you to try to become a PAYING GUEST, while pursuing your project. As Molokai is out of the way, it might be particularly interesting for your eventual readers. Write Mr. Bruce Furnidge, Star Point Kaunakakai, Molokai, Hawaii.

The Island of Lanai had a single, expensive hotel or hunting lodge (when we were last on the island). Should you not have a water color from there? You would be obliged to rent a jeep to take you along the Hume Trail. When on Lanai, Mrs Adolph Desha would be the expert botanist to consult for areas to visit. I don't know name of hotel, but I think the following would reach it for enquiries regarding rates, etc.: Manager, Hotel Lanai City, Lanai, Hawaii.

From the botanical angle your water colors would be greatly enhanced, ~~valuable if you have seen the plants before they have been destroyed~~. ~~dependence East, Colorado; you should have made a herbarium specimen of~~ each kind of plant shown - no guess work, taking a plant that you think is the same. Each must then be deposited in some bot. institution, like N.Y. Bot. Garden, PROPERLY labeled. Identification is unimportant as any botanist can do that when he has the time. This voucher specimen idea is particularly important regarding the Haw. Islands, as each island, often each ridge, has a flora of its own. No one can guess what plant you paint without a specimen at hand to inspect, perhaps by aid of magnifier. If you paint some Haw. plant for Lanai, for example, readers may doubt it unless you have a herb. specimen somewhere to prove it.

I should think one water color should be of a beach scene.

Mrs. Degener & I wish you luck. Due to age, I no longer dash up & down Mts., and so can't be of help. By the way, I attended the Art Students' League on 57 st., one winter, and studied under Max Rosen at Woodstock; the summer of 1930. I was a student of the Art Students' League.

Christmas, 1971

Northrup & Myrtle Castle send you greetings and hope you have had a good year. Northrup's 90 year old mother died in January, and our 22 year old granddaughter Wendy got married! N, jr., & Linda moved back to the Islands to live. In July, we went to the mainland and flew a twin Apache from Seattle to Los Angeles by way of Salt Lake, thence to Denver, Toronto, New York, Orlando (where we picked up son Darian), El Paso, San Francisco, & Seattle. Thence by airlines to Anchorage Alaska, and home. It was a great trip! We flew Darian around the Islands in our Apache before he returned to Florida. Northrup's 85 year old aunt Marion Haviland came to visit, and we flew her around too. We all had a great time! The Volcano erupted a lot this year. The picture shows us standing in front of the Observatory, with smoking Halemaumau in the back-ground, and a curtain of lava fountains coming out of a newly opened rift at the upper left.

Officer, Soil Conservation, Isl. Hawaii



LAND FOR POSTERITY

Just south of LaSalle-Peru-Oglesby, along the steep bluffs of the Vermilion River, lies a remarkable forest of some 550 acres. Miraculously it has escaped destruction by grazing, lumbering and fire.

Now we have the chance to save this area. This is an opportunity to give to a living memorial.

Downstream from the small town of Lowell, the Vermilion makes a horseshoe bend. Along this stretch, the river has cut a deep, narrow valley edged with steep bluffs and cliffs, some of them 150 feet high. Inside the bend and farther south, are level flood plains. The higher plain does not flood, however; instead of overflowing, the river has gouged a second channel, ten or 15 feet deep. It is wild terrain, the home of native trees and shrubs, wild flowers, birds, insects, and mammals.

The bluffs are covered with a dense forest of oaks — white, bur, red, and black — hickories, walnuts, pignuts, sugar maples, basswoods, redbuds, ironwoods, mulberries, pawpaws, prickly ashes, hawthorns, and jumpers. The shrubs include hazelnuts, witch hazels, viburnums, dogwoods, and shadblooms. Spring is made vivid with a rich ground cover of hepatica, spring beauty, bloodroot, anemone, Dutchman's breeches, sweet William, May apple, jack-in-the-pulpit, green dragon, Jacob's ladder. The rare and spectacular yellow lady's slipper and showy orchids bloom late in May.

Because there has been no hunting here, deer, foxes, raccoons, opossums, wild turkeys, pheasants, ducks and geese, and songbirds beyond counting find a peaceful home in the Big Bend. These, together with the insects and tiny aquatic animals, make a complete environmental unit unspoiled by man.

The Illinois Chapter of the Nature Conservancy is co-operating with the LaSalle County Conservation District to purchase and protect the Big Bend area, for the pleasure and well-being of the people of the County as well as for the animal and plant inhabitants. Visitors may walk along the trails to enjoy the scenery or to study the trees, flowers, insects, and animals. To preserve the ecological balance of the area, there will be no camping, and no cars, motorcycles, nor snowmobiles. A parking area will be provided.

In order for the Nature Conservancy to perform its task, it must raise \$40,000 for the purchase of 160 acres at the south end of the Big Bend.

May we have a contribution from you for this worthwhile project? Use the enclosed envelope, make the check payable to Illinois Chapter, Nature Conservancy, Big Bend Project, and mail to Mrs. Edward Carus, Peru, Illinois, Chairman of the "Big Bend" ^{Research} Committee.

I was chairman of the whole project.
Of course, your contribution is tax deductible.

