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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.

The New York Botanical Garden BRONX PARK • NEW YORK 58 • NEW YORK • LU 4-8500

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FREDERICK S. MOSELEY, JR., *Vice President*
MRS. HERMANN G. PLACE, *Vice President*
R. GORDON WASSON, *Treasurer*
WILLIAM C. STEERE, *Director*

January 3, 1963

Dr. Otto Degener
68617 Crozier Drive
Waialua, Oahu, Hawaii

Dear Dr. Degener:

This will acknowledge the receipt of the package of specimens which has gone on up to the herbarium. I am sure that these will be of enormous importance to us.

Your idea of holding off requesting further grant funds for publication until Book 6 has been completed and bound is probably a practical one and is certainly good tactis, since a good showing on previous grants is always helpful in getting a new one.

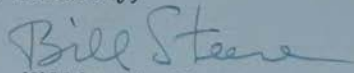
I am sorry that you are discouraged about the turndown on a grant for field work last year and I would suggest that you write to Dave Keck personally and ask him for his best advice on how to proceed. This would save the trouble of making up another proposal, only to be disappointed. Dr. Keck has seen you at work and knows a good deal about what your plans are and, moreover, has developed a great interest in tropical botany. Consequently, my suggestion that you write him is not an idle one.

We were sorry to hear of Dr. Rock's death as he was a strong force in botanical exploration in Hawaii.

Thank you enormously for your fine letter concerning the prospective trip by the Hamiltons. They were grateful indeed for all the specific suggestions from one who is as familiar with the islands as you are. With reference to your idea of getting the Montagnes to Hawaii, why don't you suggest this to them directly? Harry is well and strong and still working here at the Garden every day although Mrs. Montagne still has her problems with violent allergies. However, some of the literature from Hawaii plus a warm invitation from you might just turn the trick. They go out to Montana every year to see John and seem to enjoy that very much.

Dorothy joins me in wishing both of you a very happy and rewarding 1963.

Most sincerely,


William C. Steere
Director

WCS/gd

Dear Mr. Canning: 1/4/63

To clean up the N.S.B.
account we have taken the
"recovery clause" sum out of the
Savings Bank as ~~the bank~~ ^{the bank} ~~and~~
not pay interest on the small amount
we had there. The cash to be
~~returned to N.S.B.~~ credited to
N.S.B. is to be 48.75, which
accrued from five prepubli-
cations sales @ \$10.00 less an
estimated 25 cents for postage.

~~The printer~~
The printer 'phoned that
he will print another fascicle
in ~~about~~ a week or ten days
so you should get a
nasty bill from us soon
thereafter.

According to newspaper
accounts, you are pretty well
covered with snow. That you
must be unusually ~~pretty~~ ^{beautiful}.
We wish we were there, but
not for more than a day or
two as we are no longer used to
arctic weather.

P.S. We would not be surprised to get
a phone call any day from the ~~Montezuma~~ ^{Montezuma}

Jan. 16-63
Honolulu, 19
from Dr. H. B. Degner

OUR JOB NO.

YOUR ORDER NO.

RECEIVED from the ADVERTISER PUBLISHING COMPANY, LTD.,
COMMERCIAL PRINTING DIVISION, 629 Pohukaina Street

38 packages correct and in good order, containing the following:

38-8kps-3000-each

BILL TO FOLLOW

Received by

Eddie Tigueira

If material received is not satisfactory in every particular, call Shipping 513-151, immediately.

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D.C.

Office of Science Information Service

January 16, 1963

In reply refer to:
NSF G-22956

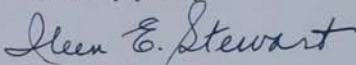
VIA AIR MAIL

Dr. Otto Degener
Waialua
Oahu, Hawaii

Dear Dr. Degener:

Thank you for your letter of January 4 telling us about the pre-publication sales of Flora Hawaiiensis, Book 6. We appreciate your keeping us informed about publication developments and we look forward to hearing from you again after Book 6 is completed.

Sincerely yours,



Ileen E. Stewart
Assistant Program Director
Support of Scientific Publications

Jan. 18, 1963.

Miss Ileen E. Stewart,
N.S.F., Washington, D.C.

Dear Miss Stewart:

Herewith is another fascicle aided by Grant No. G-22956. The individual sheets constitute additional pieces which now can fall into place in the botanical mosaic known as the "Flora Hawaiiensis or New Illustrated Flora of the Hawaiian Islands." The picture of the local flora is becoming ever clearer - it fascinates us.

Unless instructed otherwise By Dr. Wm. Steere, Director of the New York Botanical Garden, I shall not request for a renewal of the grant until Mrs. Degener and I have completed Book 6 and can exhibit it as the result of past NSF aid.

Aloha,

Jan. 18, 1963.

Dear Dr. Hodge:

We can't possibly improve upon the enclosed Rock biography but we can add a few unrecorded facts and anecdotes to a 2-page account. Such a biography cannot go into Book 6, now all but completed. But we do wish to write it for publication in Book 7 should such a work ever appear. We would be very grateful therefore if we could borrow your Rock photograph or have a copy made for us. The Honolulu Advertiser refused to sell a copy of their photo appearing in the Dec 6 issue with the reply that they lacked authority to do so as the photo did not belong to them.

OFF THE RECORD, here you can see the utter futility for even bothering about a grant for field work in the Hawaiian Islands:

Mrs. Degener & I thought Lanai particularly favorable & rewarding for botanical exploration because,

1. Antelope were introduced recently from Wyoming, an additional herbivore to speed Lanai's endemics to extinction.
2. A jeep road has been bull-dozed along the entire backbone mountain range - we have collected a few times along it while taking a day's stop-over on our flights between Oahu or Molokai and Maui, or vice-versa, and realize its potential value for getting to hitherto unexplored areas.
3. The summit rain-forest is being planted to Norfolk Island Pine to increase fog-drip for irrigation. This wholesale planting is destroying the very narrow, endemic rain-forest limited to the same high areas.

The original "Degener Plan" was to drive early by jeep to the summit ridge, making collecting trips from there down each ridge radiating to the shore. Then along the shore the jeep would be waiting to pick up the collectors with their bot. catch in the afternoon for the trip home.

No one but a fool-hardy adolescent would botanize in the Islands alone because of the treacherous character of the terrain. Hence a hiking companion is needed, and the minimum legal wage is \$1.25 per hour! A third person, like Isa Degener, would be needed to drive the hikers to and from work.

Field work is possible only about three days per week, as remaining days are needed for pressing & drying the catch.

1/18/63

Two months on Lanai we estimate would entail:

Board & room for 2 Degeners @ 22 per day - - - - -	\$1,200
(perhaps cheaper by month)	
Retired pineapple laborer @ \$10 per day - - - - -	240
Rental of jeep, perhaps - - - - -	400
Plane travel, kerosene, postage, insurance for laborer, etc. 160 plus	
	<hr/>
	\$2,000

Would 24 - 30 full days collecting on Lanai uncover sufficient plants for an outlay of \$2,000? Our two previous NSF grants allowed field work, but our third request was denied. We presume it was because of our high collecting costs on the "outside" islands. So why bother Bill Steere for sponsorship for a grant, and the NSF committee to pass on an application that has little likelihood of success?

Our only chance for field work is the appearance of some benefactor (like Mrs. Ruth Knudsen Hanner on Kauai) who will lend us a mountain home free of charge. Then, with some NSF funds, the botanical booty would be worth Washington's cash investment. Thus far no "angel" for Lanai has appeared.

It was lots of fun printing another fascicle, the individual sheets filling in the picture puzzle known as the Flora Hawaiiensis. The picture is really beginning to take shape. As I am mailing the four official sets to Miss Stewart, your set can be discarded.

Aloha,

Jan. 25, 1963

Delivered to Honolulu Advertiser Co.,:

- 344; gnaphalium; hawaiiense
- 17d; asplenium; adiantum-nigrum
- 344; lipochaeta; lavarum sub2
- 340; scaevola; gaudichaudiana sub2
- 143
- 339; clermontia; drepanomorpha
- 140
- 340; scaevola; gaudichaudiana
- 167
- 344; railliardia; scabra
- 293; mimusops; elengi
- 48; carex; montis-eeka
- 19; lycopodium
- 190; chamaesyce; clusiaefolia
- 48; carex; wahuensis
- 17c; blechnum
- 300; nestegis; sandwicensis
- 344; lipochaeta; lavarum subl
- 17d; asplenium; horridum
- 14; nephrolepis
- 70; furcraea; foetida
- 124
- 263; cuphea; ignea
- 339; clermontia; kakeana
- 190; chamaesyce; remyi
- 169c; canavalia; laniensis
- 117; portulaca; oleracea
- 319; linaria
- 30; cryptomeria; japonica
- 140; argemone; glauca
- 302
- 242
- 319; lindernia
- 190; poinsettia; ge niculata
- 68; dracaena; fragrans
- 344; daubautia sub2
- 339; clermontia; samuelii
- 344; railliardia; sherffiana
- 339; clermontia; hawaiiensis
- 119
- 17d; asplenium; gemmiferumsub2
- 223; dombeya; wallichii
- 273; psidium; guajava
- 179; fagara; skottsbergii
- 210; cardiospermum 1/3 1/3
- 344; bidens; hillebrandiana 3 small pgs
- 17ophioglossum 7 small pgs
- 332; hedyotis; centranthoidessub 2 1/3 1/3 1/3
- 282; peucedanum 1 small package
- 282; peucedanum; sandwicense 1/3
- 221; malva 1/3
- 124; ranunculus; hawaiiensis 1/3
- 190; chamaesyce; remyisub2 4 small packages

Eddie Igueria

Furnished Honolulu Advertiser, Honolulu, the following packages for
trimming, punching & binding:

1125/103

- *47: Sporobolus; Africanus
- *306: Cryptostegia;; grandiflorus
- *98: Grevillea
- *17b/athyrium; fenzlianum
- *98: grevillea; robusta
- *328: barleria
- *155: brexia
- *307: ipomoea; indica
- *273: eugenia; dombeyi
- *269: bruguiera; conjugata
- *210: dodonaea; sandwicensis
- *190: chamaesyce sub6
- *319
- *325: cyrtandra; nutans
- *338
- *328: barleria; cristata
- *344: lipochaeta lavarum sub4
- *344: railliardia sub2
- *117: portulaca; oleracea sub2
- *17d: asplenium; contiguum
- *169b: psilorrhema; glauca
- *319: lindernia; crustacea
- *17d: asplenium; gemmiferum
- *98: grevillea; banksii
- *332: hedyotis; centranthoides
- *334: dubautia
- *107: aristolochia
- *167: ericobotrya
- *344: lipochaeta; lavarum sub3
- *302: strychnos
- *140: argemone glauca
- *300: nestegis
- *21
- *293: mimusops
- *235
- *305: thevetia
- *344: railliardia
- *98

1/23/63
Furnished Honolulu Advertiser, Honolulu, the following packages for
trimming, punching & binding:

47;Sporobolus;Africanus
306;Cryptostegia;;grandiflorus
98;Grevillea
17b;athyrium;fenzlianum
98;grevillea;robusta
328;barleria
155;brexia
307;Ipomoea;indica
273;eugenia;dombeyi
269;brugulera;conjugata
210;doconaea;sandwicensis
190;chamaesyce sub6
319
325;cyrtandra;nutans
358
328;barleria,cristata
344;lipochaeta lavarum sub4
344;railliardia sub2
117;portulaca;oleracea sub2
17d;asplenium;contiguum
169b;psilorhagm;glauc
319;lindernia;crustacea
17d;asplenium;germiferum
98;grevillea;banksii
332;hedyotis;centranthoides
334;dubautia
107;aristolochia
167;eribotrya
344;lipochaeta;lavarum sub3
302;strychnos
140;argemone glauca
300;nastegia
21
293;mimisops
235
305;thevetia
344;railliardia
98



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ADVERTISER SQUARE, HONOLULU 2, HAWAII

Dr. Otto Degener

January 28, 1963



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Dr. Otto Degener
P. O. Box 187

January 28, 1963



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ADVERTISER SQUARE, HONOLULU 2, HAWAII

Dr. Otto Degener
P. O. Box 187
Waialua, Hawaii

January 28, 1963

YOUR ORDER NUMBER

OUR JOB NUMBER 359829

Family

223
223
128
12
167
48
176
47
48
223

18 lots of "Flora Hawaiiana", 3000 each

Dombeya/Burgessiae

Dombeya

Magnolia

Doryopteris/Tryonii

Fragaria

Rhynchospora/Sclerioides

Polystichum/Hillebrandii

Pennisetum/Polosum

Cladium/Mariscus

AMOUNT

\$ 44.92
20.70
20.70
47.37
39.38
47.37
47.37
47.37
47.37

Jan. 29, 1963.

Dear Mr. Countey: Here is another bill, with samples, for NSF Grant No. G-22956. I guess one more printing will complete book 6. Then in April of this year we should be able to wind up the entire matter.

The newspapers here tell us about the horrible weather you are having on the Mainland. Do tell Mr. Montagne he and Mrs. Montagne should pack a couple of suitcases with summer clothing, hop a 'plane, and get off a day or two later in Honolulu. Their friends the Dick Hamiltons are here now, from Bronxville. We had several fine visits with them, talking about the Garden and New York in general. Were it not for the weather, I would have gotten homesick.

Mrs. Degener joins in aloha to the Kolkebacks and yourself,

STATEMENT



ADVERTISER PUBLISHING CO., LTD.

PUBLISHERS OF THE HONOLULU ADVERTISER OWNERS OF RADIO STATION KGU

 CABLE ADDRESS — ADVERTISER
 P. O. BOX 3110 PHONE 52977
 ADVERTISER SQUARE
 HONOLULU 2, HAWAII

COMMERCIAL PRINTING

JAN 31 1963

 DR OTTO DEGENER
 P O BOX 187
 WAIALUA, HAWAII

TO INSURE PROPER CREDIT TO YOUR ACCOUNT, DETACH THIS PORTION AND ENCLOSE WITH YOUR REMITTANCE

				PAST DUE	CURRENT	BALANCE
BALANCE FORWARD AS OF →						
DATE	DESCRIPTION	SPACE	RATE	CHARGES	CREDITS	
JAN 28 1963	18 LOTS OF FLORA HAWAIIANA - 3,000 EACH/INCLUDES LATER PUNCHING & TRIMMING			827.51		827.51

EXPLANATION OF KEY SYMBOLS

 LD—LOCAL DISPLAY JB—JOB PRINTING
 NA—NATIONAL LG—LEGAL
 MS—MISCELLANEOUS CM—CREDIT MEMO
 CS—CASH

THE HONOLULU ADVERTISER

 ADVERTISER PUBLISHING COMPANY
 HONOLULU, HAWAII

RADIO STATION KGU

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

February 15, 1963

Dr. Otto Degener
Waialua, Oahu, Hawaii

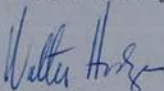
Dear Dr. Degener:

The Rock biography you sent is really fascinating and I appreciate the copy which I trust I may be able to hold. I will send off a copy of the photograph of Rock sometime in March (after a trip I must make) and hope this will not be too much of a delay.

Your proposal for two months' collecting on Lanai for \$2,000 sounds perfectly reasonable to me, providing the work focuses attention solely on the unexplored areas of the Lanai mountain range and its spur ranges. In reviewing your last proposal (declined) I learn that support was not forthcoming because reviewers felt not enough attention had been given to field collecting of native or endemic species. Our competition for funds these days is very keen but then the suggested proposal is modest and the work outlined must be done if we are not to lose knowledge about these plants forever. My suggestion would be to send in a proposal as an individual one which would save us unnecessary overhead charges to the NYBG. The work would be for a short collecting period so we can more easily consider it on this basis. I would suggest you prepare such for no later than the next closing date, May 15, 1963, and the earlier the better.

Best regards to you both.

Yours sincerely,



W. H. Hodge
Program Director for
Systematic Biology

Feb. 18, 1963.

Dear Mr. Aldrich:

You may remember that Mrs. Degener and I botanized on your island in 1957, largely as guests of our good friends the Adolph Deshas.

We have been writing our Flora Hawaiiensis, based on our collections on Lanai and the other islands, with a grant from the National Science Foundation in Washington. We shall be puu with Book 6 soon, though how soon it will be ready for distribution depends on the Hon. Advertiser Publishing Co.

A member of NSF, who visited the Islands recently on an inspection trip, suggested it might be wise for us to botanize on Lanai some more and that if we were to apply for a grant-in-aid we would have a good chance of getting it.

Before Mrs. Degener and I would apply to Washington for \$2,000 to spend for housing, food and labor on Lanai, we would like to have your reaction. As we neither smoke nor hunt, our browsing for plants along the Munro Trail and elsewhere won't raise the forest fire hazard on your island.

Should your reaction be favorable, we should like to rent a house for several months, rent or buy a jeep, and hire some retired Lanai men occasionally to help us. Perhaps a Mr. Morita, G.C. Munro's former assistant, is still active and would like to join us in hiking for a fee. We would ask Washington to allocate funds for each one of the above categories and thus not be a burden financially or otherwise to any one. The time would most likely be this summer, as it takes NSF months to process applications for grants.

Mrs. Degener joins me in aloha to Mrs. Aldrich and yourself,

Sincerely,

Feb. 18, 1953.

Dear Dr. Hodge:

Mrs. Degenar and I received your informational letter of Feb. 15. Though young Alvin Chock's biography of Rock is so factual and interesting, I fear a local botanical newsletter like that will hardly survive more than a few weeks. I therefore had Chock mail me extra copies to forward to you, Rickett, Al Smith, Rechinger, Dombke, Taylor, Howard, Fletcher, etc. Now he will submit his article to Taxon, I believe shortened, where it really belongs. Do, of course, keep your copy. We should like to publish our own two-page Rock biography with the photo you have in Book 7 of our Flora. We can never rise to Chock's achievement, but we have unrecorded facts, though perhaps trivial, possessing human interest: Rock, sun-bathing at Waikiki with the idea of arresting his TB (exposure to sun, however, actually aggravates the disease), borrowing a glass-bottom box to while away the time, getting interested in marine algae, and thus becoming a professional botanist!

That support was not forthcoming (for our botanizing) because reviewers felt not enough attention had been given to field collecting of native or endemic species" is strange. As no one asked for information and we have never bothered to mention our outdoor activities, how could the examiners ever evaluate our finds until scientific papers appear, usually years later, based upon them? They probably judged everything by our Flora Hawaiiana, not the only result of our activities. Whenever a specialist exists we have always tried to siphon the species in his field to him in an effort to get the very best findings possible, with or without our official collaboration. It has always been our purpose to get the flora better known by any one, not necessarily by the Degeners. We have never acted as dogs-in-the-manger, holding on to specimens greedily with our grubby little paws with the idea of eventually working up everything ourselves for our own petty glory. There is so much wealth of material available for every worker. Collaborators have been, are, or will be: Adams on Hypericum; Aellen on Chenopodium; Constance on Peucedanum; Eichler on Ranunculus; Fosberg on most Rubiaceae - piles are at Smithsonian awaiting him; Greenwell on Hydrocotyle, Pariti & Viola; Johnson on Nasturtium; Kern on Cyperaceae; Krajina on Cibotium, Sadleria & Pritchardia; Potzsch on Grasses; Ruhle on Lindernia; Sauer on Canavalia; Selling on certain "Dryopteris" species; Sherff on endemic Araliaceae, certain Compositae, "Euphorbia" Alsourites, Claoxylon, Labiatae, Labordia, Nototrichium, Pittosporum & Rauvolfia. Skottsberg on Astelia, Pipturus, Vaccinium & Wikstroemia; Stauffer on Santalaceae; St. John on Cyrtandra; Stone

Feb 12, 1963

on Pelea & Platydesman; Wimmer on Lobeliaceae; Yunker on Peperomia; and Ziegenspeck on Brexia, Drosera, Mimulus and Portulaca.

Some of the above workers, like poor Wimmer, will have their papers published posthumously. According to Reehinger's Jan. 10 letter the ms., for the Supplement to his Lobelioideae and Cyphioideae is now in the hands of the printer, I believe, unfortunately in the Russian Zone of Berlin. Wimmer has very much critical material which Isa & I collected thanks to NSF funds. As we cannot well expect these various botanists in the US., and especially elsewhere, to acknowledge NSF help in exploring for the plants they cite, we are explaining the situation in the Introduction to Book 6.

Niihau and Lanai are two privately owned islands. Niihau is closed to outsiders by the cranky Robinson family. I shall not bother NSF with an appeal for a grant for field work on Lanai until we receive a letter from A.A. Aldrich, the Director, stating that we would be welcome there.

Many thanks again for your good advice. Mrs. D. joins me in aloha,



Dole CORPORATION

LANAI CITY, HAWAII

February 25, 1963

Dr. Otto Degener
Waialua, Oahu, Hawaii

Dear Dr. Degener:

I have your February 18 letter and am very glad to learn that there is a possibility of the National Science Foundation financing a study of the botany of Lanai.

You and Mrs. Degener are certainly welcome to explore all of the Dole property throughout the island. I am glad that you realize the importance of avoiding a fire get started.

The Dole-built houses not purchased by employees are maintained and rented by a Dole subsidiary called Plantation Housing, whose manager is Mr. Milton E. Ballengee, Plantation Housing, Ltd., P. O. Box 715, Wahiawa, Hawaii. You should write him for information on house availability. The big problem for you is that none of the houses are furnished. In any case, write Mr. Ballengee what you need and when, and I am sure he will tell you what unfurnished houses are available and what the rental is. Jeeps are for rent by both Oshiro Service Station and Nishimura Brothers on Lanai.

Mr. Munro's assistant to whom you refer is, I believe, Toyoki Morita, who is still working for the plantation. There is a Mr. Toyoji Morita, a supervisor who retired recently but I am certain that he does not know about Mr. Munro's plantings.

With kind regards to Mrs. Degener and you, I am

Sincerely,

W. W. Aldrich
Manager, Lanai Plantation

WWA/MN

cc: M E Ballengee

Feb. 27, 1963.

Dear Dr. Aldrich:

Many thanks for your informational letter of Feb. 25.

Mrs. Degener & I shall do little further about the Larnal botanizing project until we learn whether the National Science Foundation will actually approve our application for the \$2,000 grant. The deadline to apply is March 15. How long it will take to process the grant is quite another matter.

The official in Washington immediately concerned with our appeal is Dr. Walter Hodge, formerly botanist of my alma mater, the Univ. of Mass., and presumably a cranberry devotee like most of us. I was not only interested in eating 'em in Autumn but skating over them in Winter.

Many thanks again,

Aloha,

March 1, 1963.

Dear Dr. Hodge:

For about forty years I have tried to botanize on Niihau without success. I have even failed to botanize on some Kauai land belonging to the owners of Niihau. A geologist friend of mine and his crew, working on a ridge overlooking one of their Kauai valleys, were prevented from going down to their stream for drinking water because they were working on the Sabbath! One good thing about the antediluvial attitude of this Niihau-owning family is that their peon Hawaiians are extremely happy and just about 100% pure.

Mrs. Degener & I have selected Lanai for botanizing because of the imminent danger of extermination of much of its flora and the lucky accident that the Manager is W.W. Aldrich. Dr. Aldrich was connected with cranberry research and of course knows Dr. Herbert Bergman, my colleague at the University of Hawaii in 1926-27, and later working on cranberries more or less out of Amherst. Dr. Aldrich is sympathetic to our Lanai project, an attitude to which some later manager might not hold as I have expressed my disapproval in local newspapers and elsewhere to the introduction of antelope to Lanai.

The grants we receive we consider aids to help finance our bot. projects, not to pay for them outright. In the present instance, as in the past, we would of course use funds of our own. How much would be available is always indefinite as it depends on what luck we have in getting tenants for our four rental units. We cannot tell how long we would remain on Lanai, the duration depending on how soon funds are exhausted.

Aloha,

W. W. Aldrich

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D.C.

Office of Science Information Service

March 8, 1963

In reply refer to:
NSF G-22956

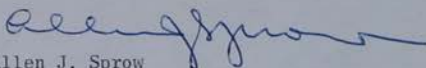
VIA AIR MAIL
Dr. Otto Degener
Waialua
Oahu, Hawaii

Dear Dr. Degener:

This will acknowledge with thanks your letter of February 11, 1963, addressed to Mrs. Stewart.

I expect to visit Dr. Steere at the New York Botanical Garden upon my return from California next week, and I shall bring the content of your letter to his attention.

Sincerely yours,


Allen J. Sprow
Assistant Program Director
Support of Scientific Publications

Copy to:
Dr. William C. Steere

Feb. 11, 1963.

Dear Mrs. Stewart:

Thanks to funds allowed for field work by Grants 2216 and 6377, Mrs. Degener and I, with our annotations, have been able to "siphon" to various experts throughout the World specimens belonging to their special fields. One of the papers in part based on our finds is Dr. Stone's monograph of the genus Platydesma. We know other papers by other experts will follow from time to time, one of the earliest being a monograph on Wikstroemia by Dr. Skottsb-berg.

As it is difficult for me to induce these various writers to mention in their papers that our 1956-1961 collections were made with the aid of NSF funds, I am supplying this information in the Introduction for Book 6 of our Flora Hawaiiensis.

Though Mrs. Degener and I feel a bit frustrated because of the lack of funds for botanizing since last April, we are extremely grateful that NSF has enabled us to complete the publication of Book 6. The sheets will be collated, punched, trimmed and bound the latter part of this month or early in March, and Grant 22956 will have come to a happy ending.

I fear I never made it clear to the officials in Washington what invaluable material we have been able to collect in quantity during our field trips. Duplicates have been distributed wisely to over 50 interested individuals and/or institutions throughout the World. The best sets went to the Smithsonian, the New York Botanical Garden and the Bishop Museum. I do not know whether it is because of our publications or our collecting of the vanishing flora. At any rate, in today's mail I received the Linnaea Medal for 1962 from the Swedish Royal Academy of Sciences. Mrs. Degener and I feel this signal honor would never have been awarded me had not NSF aid made our activity in the field of Botany possible.

Sincerely,



P. O. BOX 716, WAHIAWA, HAWAII

March 12, 1963

Phone 224-052

Dr. Otto Degener
Waiialua, Oahu
Hawaii

Dear Dr. Degener:

A few days ago I received a package from you accompanied by your letter of February 27, which I hereby acknowledge, and wish to sincerely thank you for a copy of the work of you and your wife known as Flora Hawaiiensis, Books 1 - 4. I shall greatly enjoy using this book as I have on many occasions in the past when I was a member of the teaching staff of Kamehameha Schools.

With reference to the possibility of you and your wife spending some time on Lanai in search of further botany specimens, I can only state when you are reasonably sure of the time that you wish to spend there, we shall do everything possible to find suitable housing for you. Mr. Aldrich, the Manager of Dole Corporation on Lanai, has already informed you that we do not provide furnishings for the houses. However, we may be able to assist you even in this area. House rentals range from \$61.50 to \$110.00.

I am looking forward to the opportunity to meet you personally at such time as is convenient.

Sincerely,

Milton E. Ballengee

Milton E. Ballengee
Manager

MEB:fv

March 14, 1963.

Mr. Thomas Shootman,
The Advertiser,
Honolulu.

Dear Mr. Shootman:

Thanks, lots, for the 3/15/63 printing. It looks nice. The medal came out well too. Please be sure to keep the cuts of the medal for me as I need them when sale of Book 6 is being advertised.

The Guppy photo came out nicely, and its evident age adds to its interests. Did you notice in the foreground, that Madame Pele and baby sister Hiiaka show ghost-like?

WITHOUT the 3/15/63 printing bill we have only \$2,900 to spend, so please cut down on collating to keep the final, total bill within that sum. NSF on page 18 of their instruction booklet state: "Any commitments or expenditures incurred by the grantee in excess of the funds provided by the grant or beyond the termination of the grant shall be the responsibility of the grantee. Expenditures incurred prior to the effective date of the grant (date of the grant letter) may not be charged against grant funds."

We Degeners have one house empty, and a second rental unit will be vacated April 1. So we are in no position to assume any commitments esp., with taxes as they are.

The next date for applying for a grant will be May 15, so I must get 20 copies properly bound and trimmed of Book 6 to Washington by that time for the examiners to paw over. Such a package is too heavy to send by air mail, so I need the books as early as possible. The next deadline to submit applications for grants is way off in Sept. 15. By that time we Degeners may be dead of old age.

As I see it, the thing to do is to hold back printing with "Aided by Nat. Sc. Foundation" until we can print the date that fits into time allotted by a new grant. To place safe, we really can't do much until I learn that the grant will be renewed a fourth time. I should think with the imposing showing of Book 6, the chances are good for a renewal. It is pretty plain N.S.F. won't pay for any printing done before the grant is activated.

Table of Contents proof I probably should see before you run off 3,000

For the dates of printing left as 00000000 in the page proof, your man can get the date from the bottom of the page. In these 0000000000 cases I could not fill in the dates because I had no master copy to consult.

For 221 we need an extra line so that the Table of Contents reads:

221 : Hibiscus : Clayii	- - - - -	3/20/59
	or better	
221 : Hibiscus : Clayi	- - - - -	4/15/63

The extra i in Clay's name according to bot. rules was a mistake on my part.

We are running an ad. in the newspapers this week-end for our beach rental unit, so if the Senior or Junior Shootmen families want an extra place for \$105 per month, here is their chance. Commuting one way takes only one hour.

Aloha,

March 14, 1963.

Dear Dr. Hodge:

This letter is not official as Mrs. Stewart has the four copies of our latest Fl. Haw., fascicle. Yours can be discarded.

Mrs. Degener & I just wanted to let you know of our mixed pride and chagrin about the Guppy biography. The photo is a magnificent reproduction of a faded, yellowed snapshot from the family album of aged Miss Della Fennell. In the foreground is a very faint likeness of a local dentist and one of the Fennell twins, no one knows which one & I guess no one cares. Both photo and account are original and quaint. We are justly proud as Guppy is an outstanding personage.

But, Miss Fennell had a fascinating letter written by Guppy to her father. I mailed this to the printer, certified, and he remembers having received it. As the letter was so interesting a Mr. Dutton (related to the publishers), connected with my printers and Pres. of the Haw. Historical Society, read it. He was then hospitalized and died shortly after his operation. Some one cleaned out his desk, and we fear that the holograph was tossed into the rubbish! The blank fourth page of the Guppy article had been reserved for the letter. Now that the printer can find it nowhere, I asked him to reset the 3 pages of text in a smaller font to reduce it to 2 pages. He maintained there would be no purpose in doing so as the cost of resetting everything would be more than the cost of the extra 3,000 sheets of paper. We are greatly disappointed.

Mrs. Degener & I were so surprised and, frankly, flattered that the Swedish Academy of Science awarded me the 1962 Linné Medal. Linnæus was the first President. As I am tooting my own horn in using the medal as Frontispiece, we are not using NSF funds for that sheet. & Mr. Will Witte, to whom I mailed excess duplicates as gifts for Rutgers, is paying. It is rather evident that without years of NSF backing, we never would have been awarded the medal. In a way, it is a foreign stamp of approval.

Mrs. Degener joins in Aloha,

March 15, 1963.

Dear Dave:

Here is next to the last fascicle for Book 6 and a *Phytologia* sheet. As Mrs. Stewart has the four NSF copies, yours can be discarded.

Isa & I are glad we printed privately *Arachniodes* and not over the NSF signature as Ching anticipated this change five months before we did. This at least shows that we came to the same conclusion independently.

The Swedish Academy of Science awarded us the Linné Medal and so we are using it as a design for the Book 6 title page. In a way, this is vindication (or so we hope to think) of the criticism that we botanists don't do enough important field work. To a large extent we have always been limited to botanize in areas where we can get free or nearly free housing. Poor FWF with his criticisms of every person's personality and work (not excluding you and me), due to his superiority or inferiority complex, has done more harm to botanical research in the Pacific than his scientific papers have advanced. Wherever he goes, his interesting but adverse querulous gossip acts like a wet blanket. Though we gullible Americans are exposed to it, his influence hardly extends to Stockholm.

Isa & I are so glad we could unearth original material on Guppy. The photographer did wonders with the ancient, yellowed snap-shot in old Miss Fennell's family album. The foreground figures are of a local dentist and of a Fennell child. It is just as well that they are ghost-like. Local yokels can think of them as the Volcano Goddess Fels and her baby sister Hilahe.

As I am tooting my own horn with the title page, Isa & I decided it would be unfair to have NSF pay for the printing of that sheet.

That Book 6 has been completed at this time is rather fortunate for us. After being our tenants for three years, an Air Force couple has been transferred to near Washington, D.C. We are now spending full-time painting and cleaning up the place. Were we to hire professionals for this drudgery, we would never break even or make a little profit - taxes are fierce.

With Book 6 to show what we can do, we shall approach NSF for a grant to publish Book 7. Thanks to previous grants, we have a backlog of *lobelia* drawings made by Dr. Wimmer for us. He died two years ago. We don't necessarily expect to be successful in our application, but we would feel

guilty to ourselves did we not at least make an attempt.

Just now a Denver brother of Fred Seaver 'phoned us from Honolulu to say hello. Poor Mrs. Seaver has been bedridden for years and does not even recognize Fred anymore. This is a pretty horrible finish.

Isa joins in aloha,



RESEARCH PROPOSAL SUBMITTED TO
THE NATIONAL SCIENCE FOUNDATION

for

Botanical Exploration of the Island of Lanai, State of Hawaii
Publication of *Botanical Exploration of Lanai, State of Hawaii*, 1971-72

Dr. Otto Degener & Dr. Isa Degener

Mokuleia Beach, Waiialua, Oahu, Hawaii

1. Institution: None, as permitted on page 6 of NSF descriptive booklet
2. Principal Investigator: Otto Degener
3. Title of Proposed Research: Botanical Exploration of Lanai *Flora Hawaii*
series
Book 7
4. Desired Starting Date: Spring or early summer
5. Time Period for which Support is Requested: One year *4 years*
6. Budget Requested: \$2,000 *18,000*

Research Proposal Submitted to the National Science Foundation for
March 15, 1963

1. Institution: None.
2. Principal Investigator: Otto Degener.
3. Title of Proposed Research: Botanical Exploration of the Island of Lanai, State of Hawaii.
4. Desired Starting Date: Spring or early Summer of 1963.
5. Time Period for which Support is Requested: One year.
6. Description and Background of Proposed Research: Being so isolated, the native Flowering Plants of the Hawaiian Islands are about 99% endem-
ic. Not only that! A large proportion of the flora of each island of the
archipelago is peculiar to that island and not found on neighboring is-
lands.

The island of Kahoolawe, according to old, native accounts, possessed a dry forest. Due to the introduction of goats and sheep, not only has the forest disappeared but the surface soil has blown away. The island is now a desert, used for bombing practice. Its native flora, never collected, is now extinct and entirely unknown.

The island of Niihau, privately owned, is given over to ranching. Its native flora has been largely exterminated and, as the owners are famous for discouraging the visit of "outsiders," even the few relics that spring up after rains are largely uncollected and unknown.

The island of Lanai is owned by the Dole Corporation, famed for its pineapple acreage. The northeastern part possesses a narrow mountain range roughly six miles long, the summit not quite 3,500 feet high. As it just barely stimulates cloud formation, the owners are planting the summit ridges, where incidentally the greatest wealth of endemics per-
sist, to Norfolk Island pine to stimulate fog drip for irrigation. These trees, with their dense shade and resin-filled twigs covering the ground, are crowding out the native vegetation so that species after species per-

Of course in the case of genera having an extensive geographic range, our participation in the monograph would be limited to Hawaiian species.

9. Budget Estimate:

a. Board & Room - - - - -	\$ 1,000
b. Travel - - - - -	500
Plane between Oahu & Lanai; jeep on Lanai	
c. Salaries - - - - -	250
None for the Degeners; guide or laborer for difficult ter- rain@ legal minimum wage \$1.25 per hour!	
d. Permanent Equipment - - - - -	-
e. Expendable Equipment & Supplies - - - - -	250
Kerosene, formalin, insurance for laborer, shipping of equipment & specimens	
f. Indirect and Other Costs - - - - -	-
	\$ 2,000

10. Other Sponsors:

Degeners receive no salary
from any institution nor have
requested any other sponsors

Otto Degener

Otto Degener
Principal Investigator
Waialua, Oahu, Hawaii, U.S.A.

March 1, 1963
(Date)



General Printing and Lithography

COMMERCIAL PRINTING DIVISION

ADVERTISER PUBLISHING CO., LTD.

PUBLISHERS OF THE HONOLULU ADVERTISER—OWNERS AND OPERATORS OF RADIO STATION KGU
CABLE ADDRESS: ADVERTISER HONOLULU, P.O. BOX 3116, TELEPHONE 52977
ADVERTISER SQUARE, HONOLULU 2, HAWAII

Dr. Otto Degener
P. O. Box 187
Waialua, Hawaii

March 21, 1963

YOUR ORDER NUMBER _____

OUR JOB NUMBER 360251
360694, 360647

	DESCRIPTION	AMOUNT
2,500	Copies Book No. VI Flora Hawaiiiana	



General Printing and Lithography

COMMERCIAL PRINTING DIVISION

ADVERTISER PUBLISHING CO., LTD.

PUBLISHERS OF THE HONOLULU ADVERTISER—OWNERS AND OPERATORS OF RADIO STATION KGU
CABLE ADDRESS: ADVERTISER HONOLULU, P.O. BOX 3116, TELEPHONE 52977
ADVERTISER SQUARE, HONOLULU 2, HAWAII

Dr. Otto Degener

March 21, 1963

YOUR ORDER NUMBER _____

OUR JOB NUMBER 360251
360694, 360647

	DESCRIPTION	AMOUNT
	Balance Forward	\$ 556.84
	Family 332	18.45
	" 221	30.73
		<u>606.02</u>
2,500	copies Book VI - Gather & put on covers @.92	<u>2,300.00</u>
	per book	\$ 2,906.02

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

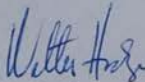
March 21, 1963

Drs. Otto and Isa Degener
Mokuleia Beach
Waialua, Oahu, Hawaii

Dear Drs. Degener:

We are pleased to acknowledge receipt of your proposal B-14558 entitled "Botanical Exploration of the Island of Lanai." We will proceed with the review of this application promptly and will notify you as to its disposition as soon as a decision has been reached.

Yours sincerely,



W. H. Hodge
Program Director for
Systematic Biology

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

March 22, 1963

Dr. Otto Degener
68617 Crozier Drive, Waialua
Oahu, Hawaii

Dear Otto:

Thank you for your March 14 letter with the four copies of your latest fascicles.

It was also good to get a fill in on the Guppy biography. This is of much interest, but I can understand your chagrin for having lost the Holograph.

Congratulations on the award of the Linné Medal. It would be quite appropriate to show this medal on the Frontispiece, and I think you were wise to do so. All good wishes to you both.

Yours sincerely,



W. H. Hodge
Program Director for
Systematic Biology

Waialua, Oahu, Hawaii.
March 23, 1963.

Dear Mr. Countey:

We are ready now to complete the NSF accounting. The year of the grant is finished (or pau as the Hawaiians would say) the beginning of April.

Here is the Advertiser Publishing bill for \$2,906.02. Please pay this amount less \$43.20, which for the title page which I and a Mr. Witte are financing ourselves. In other words, the March 21, 1963 bill comes to \$2,862.82.

The above leaves us a credit of \$59.63 of which I paid McLean \$20.00 for drawings. Please reimburse me from NSF for that sum. A trivial balance remains to return to Washington.

In the lot of sample sheets enclosed you will find that 4 index pages are not represented. These are being bound to complete Book 6.

Thanks lots for taking care of me so expertly.

I am applying to NSF for \$2,000 to botanize on the Island of Lanai and on advice of Dr. Walter Hodge of NSF am not to have a sponsor as the sum is rather modest.

I am also applying for about \$20,000 to print Book 7 of the Flora, and shall contact Dr. Steere about it after I have type the 20 copies of the application. This will take some time. I had the "sniffles" for about a week and neglected them thinking they were simply hay fever. Evidently it was a touch of the flu, and so now I am really taking care of myself my remaining in bed. My wife and I have both had "shots" against Asiatic flu. Perhaps we caught a Hawaiian bug.

7413 Holly Ave.
Takoma Park 12, Md.
March 23, 1963.

Dr. Otto Degener
Mokuleia Beach
Waialua, Oahu, Hawaii.

Dear Dr. Degener:

I have just performed a pleasant duty in reviewing your request for N. S. F. support for "Botanical Exploration of the Osland of Lanai, State of Hawaii" and turning in my evaluation of it. I gave it the highest rating. Of course I am doing so with too little intimate knowledge of the area, the problem, and the people. For example, I was asked whether it duplicates other projects. I don't know what is going on there and can only say that I have confidence in your judgement that no one else is doing it. I added that if Degener gets there "fustest with the mostest" he ought to get the support. I did toss out the suggestion that consideration should be given for preservation in the coming botanical garden of living plants threatened with destruction and disappearance or that the Dole Corporation should participate by establishing portions as preserves, to become outlying stations of this coming botanical garden. It is good to be independent of institutional cramping handicaps, but at the same time there are things that an institution can do that the independents can not do. Therefore they can accomplish most through cooperation. One of the greatest functions of the independents is needling of the institutions and their restricted (in part) participants. May we always have our Degeners and our institutions!

It is really good to renew this contact with you and I wish I could look in at Molukela Beach. Being retired I do not have such opportunities as before to travel - on someone else's money! But my "retirement" is in name only, as I keep regular office hours in my work on a Flora of Okinawa under N. S. F. grant to the Pacific Science Board - F. R. Rosberg as principal worker, I as "expert consultant". This anomalous situation (I'm doing the work and will be author) is due to the refusal of the U. S. N. H., where I labored for 29 years, to grant me the facilities needed for this project. It will take 3 years more to finish the project, 2 having already been spent on it under the NSF grant.

Someday I may traverse the Pacific again, and I hope to have leisure enough to look you up. My last opportunity was in April 1960, enroute to Tokyo, but we (my wife and I) took our limited time for a trip to Kilauea.

With all best wishes. Keep me posted on your success.

Sincerely yours,

Robert H. Walther

March 27, 1963.

Dear Dr. Steere:

Dr. Walter Hodge was in the Islands some months ago and Ian & I, like other NSF beneficiaries, had 15 minutes alone with him. He seemed impressed by the local difficulty of getting into the field because of the expense of hopping by plane from island to island and competing with tourist prices in regard to lodging. We had outlined a tentative financial plan for botanizing on Laysan, coming to a total of \$2,000.

Some weeks after Dr. Hodge's return to Washington, he wrote us we should apply for the Laysan project without a sponsoring institution, evidently because \$2,000 is simply chicken feed to NSF. Ian & I therefore mailed NSF our application a couple of weeks ago. We hope for the best.

BUT to publish Book 7 of the *Flora Hawaiiana* at ten times the amount is a horse of another color. Could we pasture you, and Mr. Countey's office, to take us under your protecting wing a fourth time? We did not have the nerve to assume the Garden would sponsor us again. But should you, do please have inserted on title and Page one "New York Botanical Garden" after "Institution" and on the last page please add your very own signature as Director of the sponsoring Institution. - - - T'220

With NSF having divorced field work from publication, we no longer know to whom this application should be mailed before the May 15 deadline. I assume it is Mrs. Stewart.

Of course if the Garden for some reason cannot sponsor us, please mail the 20 copies to Mrs. Stewart anyway. Then it is up to the Hawaiian Gods whether Book 7 gets printed or not.

I guess the printer is beginning to wrap up Book 6 permissions. I thought his NSF grant expires in April. I have already mailed the completed accounting to Mr. Countey. Next we will have the proceeds of selling 3,000 copies! We simply don't know where to put them. Perhaps we will be forced to reduce the rent on one rental unit and dedicate the surplus, really belonging to it, into a book warehouse.

I think this could have been only in easy-going Hawaii - the Hamiltons would understand it. I told the printer that I had only a few dollars to spend and that I simply could not afford to spend anything out of my own pocket should the book job run over the Washington sum. He covered the rental unit empty and that another will vacate June 1. So the printer billed me only to absorb NSF funds. He showed us his time sheet of costs, and this came to about 25% higher! He maintained he could

between or know

not repeat such a loss to his company a second time. Ian & I are not glib. He would not have doctored up a time sheet for a question he could not have expected us to ask. Anyway, we know him to be a pretty honest. I have printed with him for 30 or more years.

Because of the obvious high expense in printing an illustrated botanical work, our new appeal to NSF for Book 7 calls for only 1,500 copies instead of the usual 3,000. In that way I may be able to produce Book 7 for about \$20,000.

The last time I botanized in Koolau Gap of Haleakala, my assistant and I just could not cover ground - we slunk around, pretty much out of breath. In spite of this, I did get several novelties. We attributed our weakness to mountain sickness. But when we got to sea-level at Hailuku, the mt. sickness blossomed into a beautiful case of flu. Two weeks ago I ignored a runny nose and a slight sore throat, thinking it unimportant hay fever. Now I am laid up with the flu in spite of having been vaccinated against the Asiatic kind before my sniffles. I am up now, but not frisky enough to push the lawn mower.

We had such an interesting time with the Hamiltons. You four are immortal fortunate in being neighbors. We so enjoyed their misadventured travels & now just one error: they gave the wrong Roman numeral to Kachibunaka. No. I was the warrior who pushed his enemies over Muluhi Pali.

When will the Steere family return to Oahu, or must we wait until the meeting in Edinburgh to see them again?

I am joining an Alchamui.

1,050	-----	d. 1,500 board covers	@ \$0.70
1,350	-----	e. 1,500 collating, punning, trimming, binding	@ \$0.90
4,000	-----	b. 200 drawings	@ average \$20.00
	-----	a. 500 pages	@ average \$25.00
\$12,500	-----	9. Budget Estimate:	

our participation in the monograph would be limited to Hawaiian species. Of course in the case of genera having an extensive geographic range, authors in which we have often shared partial or complete coauthorship. novelties have influenced the writing of over 200 articles by about 90 tions, and illustrations or descriptions of interesting finds or of Shorter Articles in Scientific Journals: To date our collections, observations Naturalist's South Pacific Expedition: Fl. 1-303 pp. 1949. Degener on Flora 4

3/27/63

RESEARCH PROPOSAL SUBMITTED TO
THE NATIONAL SCIENCE FOUNDATION
for
Publication of "FLORA HAWAIIENSIS," BOOK 7
from
Dr. Otto Degener & Dr. Isa Degener
Mokuleia Beach, Waiialua, Oahu, Hawaii

1. Institution:
2. Principal Investigator: Otto Degener
3. Title of Proposed Research: "Flora Hawaiiensis," Book 7
4. Desired Starting Date: Immediately
5. Time Period for which Support is Requested: Four years
6. Budget Requested: \$16,900

9/77/63

RESEARCH PROPOSAL SUBMITTED TO
THE NATIONAL SCIENCE FOUNDATION

for

Publication of "FLORA HAWAIIENSIS," Book 7

from

Dr. Otto Degener & Dr. Isa Degener
Mokuleia Beach, Waiialua, Oahu, Hawaii

1. Institution:
2. Principal Investigator: Otto Degener
3. Title of Proposed Research: "Flora Hawaiiensis," Book 7
4. Desired Starting Date: Immediately
5. Time Period for which Support is Requested: Four years
6. Budget Requested: \$18,900

Research Proposal Submitted to the National Science Foundation

1. Institution:
2. Principal Investigator: Otto Degener
3. Title of Proposed Research: "Flora Hawaiiensis," Book 7
4. Desired Starting Date: Immediately
5. Time Period for which Support is Requested: Four years
6. Description and Background of Proposed Research: Because of their great age and extreme isolation, the Hawaiian Islands harbor a most fascinating flora. For the native Flowering Plants alone, the degree of endemism approaches 100%; for the Ferns, however, far less. Yet of all the States in the Union, Hawaii is the most neglected in regard to an understanding of its vegetation. Hillebrand's "Flora of the Hawaiian Islands," practically completed on the author's departure from the Islands in 1871, was published in English by the Prussian Government posthumously in 1888. Coming to this Archipelago in 1922 to study tropical botany, the principal investigator found this book, excellent for its time, woefully out-of-date. As there was no other, he settled permanently in the Islands, resolved to produce a modern "Flora Hawaiiensis or New Illustrated Flora of the Hawaiian Islands" that could be maintained up-to-date by the addition of loose-leaf sheets.

Today, over forty years later, he has amassed at least 500,000 Hawaiian plants to help him, his wife and collaborators produce six profusely illustrated volumes of the "Flora Hawaiiensis" (over 2,000 pages) at a total cost to the National Science Foundation of \$53,700. Many of the herbarium specimens, incidentally, now grace the cabinets not only of the Bernice Pauahi Bishop Museum, the Smithsonian and the New York Botanical Garden but scores of other scientific institutions in America and elsewhere. Thus they have aided the publication of several hundred papers by various specialists.

Research Proposal Submitted to the National Science Foundation

1. Institution:

2. Principal Investigator: Otto Degener

3. Title of Proposed Research: "Flora Hawaiiensis," Book 7

4. Desired Starting Date: Immediately

5. Time Period for which Support is Requested: Four years

6. Description and Background of Proposed Research: Because of their great age and extreme isolation, the Hawaiian Islands harbor a most fascinating flora. For the native Flowering Plants alone, the degree of endemism approaches 100%; for the Ferns, however, far less. Yet of all the States in the Union, Hawaii is the most neglected in regard to an understanding of its vegetation. Hillebrand's "Flora of the Hawaiian Islands," practically completed on the author's departure from the Islands in 1891, was published in English by the Prussian Government posthumously in 1898. Coming to this Archipelago in 1922 to study tropical botany, the principal investigator found this book, excellent for its time, woefully out-of-date. As there was no other, he settled permanently in the Islands, resolved to produce a modern "Flora Hawaiiensis or New Illustrated Flora of the Hawaiian Islands" that could be maintained up-to-date by the addition of loose-leaf sheets.

Today, over forty years later, he has amassed at least 500,000 Hawaiian plants to help him, his wife and collaborators produce six profusely illustrated volumes of the "Flora Hawaiiensis" (over 2,000 pages) at a total cost to the National Science Foundation of \$33,700. Many of the herbarium specimens, incidentally, now grace the cabinets not only of the Bernice Pauahi Bishop Museum, the Smithsonian and the New York Botanical Garden but scores of other scientific institutions in America and elsewhere. Thus they have aided the publication of several hundred papers by various specialists.

It is the purpose of the principal investigator and his wife, a professional botanist in her own right, to produce Book 7 of the "Flora." This is to comprise about 500 pages of pertinent keys, and of profusely illustrated endemic species as well as some important new introductions as exemplified by Book 6 herewith submitted. Such a volume, written partly in collaboration with world experts of certain genera, will clarify still more the unfinished picture in which we presently view the local flora.

7. Facilities; Permanent and Expendable Equipment and Supplies: The principal investigator has studied this unique vegetation longer than any other worker, "dead or alive," and hence can be expected to possess unrivaled knowledge about it. He has access to the completest Polynesian library and to the finest historical herbarium collections thanks to the courtesy of the B.P. Bishop Museum in Honolulu and, by travel, elsewhere; he possesses about 50 unpublished drawings executed by such specialists as the late Dr. Wimmer and by students trained by himself years ago for the work in Hawaii. He has all necessary equipment such as dissecting and other 'scopes, card index of local genera, specialized library of the Hawaiian flora and herbarium cases in his home at the foot of 4,000 ft., high Mt. Kaala covered with endemics. It would seem to be extravagant not to profit by a man's forty years' experience in the field and herbarium nor to use his unpublished drawings and manuscript notes before the proverbial three score years and ten make all such relicta confusing and unintelligible to survivors.

8. Personnel: Mrs. Degener and I would be the permanent personnel. Funds are not requested from the National Science Foundation for salaries.

Otto Degener
(Principal Investigator)

Born: May 13, 1899, Orange, New Jersey.

Education: Trinity and Collegiate Schools, New York, N.Y.; B.S., Massachusetts Agricultural College (now University of Mass.), 1922; M.S., Uni-

3/27/63

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Education: Trinity and Collegiate Schools, New York, N.Y.; B.S., Massachusetts Agricultural College (now University of Mass.), 1922; M.S., Uni-

versity of Hawaii, 1925; Sc. D., (hon.), University of Massachusetts, 1952. Post graduate study at Woods Hole, Mass., New York Botanical Garden and Columbia University.

Experience: Instructor in Botany, University of Hawaii, 1925-27. Later Naturalist at Hawaii National Park. Botanist on Anne Archbold Expedition to Melanesia, 1940-41, spending 8 months in Fiji. As a result of botanical exploration the new Rensselaer Family Degeneriaceae was named in his honor (See Arthur J. Eames, Morphology of the Angiosperms, 1961.). Study in European herbaria 1951-52. Botanical consultant thrice for GAA for Canton Atoll, South Pacific. Collaborator in Hawaiian Botany, New York Botanical Garden, 1935-63. Recipient of the Linné Medal from the Royal Swedish Academy of Science, Stockholm, in 1962. Collector since 1920 of over 28,000 numbers of herbarium specimens mostly in the Hawaiian Islands, often in sets of 30-50 exsiccatae for distribution to Smithsonian, N.Y. Botanical Garden, Bishop Museum and elsewhere.

Dr. I. Hansen Degener
(Research Associate)
(Actually coauthor of most articles since her marriage)

Education: Student in the Natural Sciences, Albert-Ludwig University, Freiburg, Baden, West Germany, 1944; Dr. rer. nat. (Dr. Natural Sciences) magna cum laude, Friedrich-Wilhelm University, Berlin, 1949. Botanical assistant at the Botanisches Museum, Berlin-Dahlem, 1945-46; lecture and laboratory assistant to Drs. R. Pilger and H. Sleumer, Berlin-Dahlem, 1948-49; botanist, ditto, 1949-53; assistant in Pharmacognosy at the Freie Universität, Berlin-Dahlem, 1949-53.

Books: Illustrated Guide to the More Common or Noteworthy Ferns and Flowering Plants of Hawaii National Park with Descriptions of Ancient Hawaiian Customs and an Introduction to the Geologic History of the Islands. 1-312 pp. 1930, 2nd edit. 1945.

Flora Hawaiiensis or New Illustrated Flora of the Hawaiian Islands. Books 1-6. Over 2,000 pp. 1932-63.

Naturalist's South Pacific Expedition: Fiji. 1-503 pp. 1949.

Shorter Articles in Scientific Journals: To date our collections, observations, and illustrations or descriptions of interesting finds or of novelties have influenced the writing of over 200 articles by about 90 authors in which we have often shared partial or complete coauthorship. Of course in the case of genera having an extensive geographic range, our participation in the monograph would be limited to Hawaiian species.

9. Budget Estimate:

a. 500 pages - - - - -	\$12,500
Printing @ average \$25.00	
b. 200 drawings - - - - -	4,000
@ average \$20.00	
c. 1,500 edition - - - - -	1,350
Collating, punching, trimming, binding @ \$0.90	
d. 1,500 board covers - - - - -	1,050
@ \$0.70	
	<hr/>
	\$18,900

10. Other Sponsors: Degeners receive no salary from any source whatsoever nor have they requested aid from any other source. They have requested \$2,000 from NSF for field work on the privately owned Island of Lanai. Such a project would stimulate the publication of Lanai endemics in Book 7.

Otto Degener
Principal Investigator
Mokuleia Beach, Waiʻanae, Oahu, Hawaii, U.S.A.

Date

Naturalist's South Pacific Expedition: Fiji. 1-503 pp. 1949.

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Otto Degener
Principal Investigator
Mokuleia Beach, Waiʻāluā, Oahu, Hawaii, U.S.A.

Date



(Hale Degener)

WAIALUA, OAHU, HAWAII

March 29, 1963.

Copy

Mrs. Ileen E. Stewart,
National Science Foundation,
Washington 25, D.C.

Dear Mrs. Stewart:

I herewith send you twenty copies of my application for a grant to aid me publish Book 7 of the "Flora Hawaiiensis or New Illustrated Flora of the Hawaiian Islands." As printing costs, at least in the Islands, appear to be rising, I thought an edition of 1,500 would enable us to produce a 500 page book for less than \$20,000. This means, of course, that Mrs. Degener and I are using all our own assets to make the project a success.

much a package twenty
As air mail postage is prohibitive, I am mailing 20 copies of Book 6 by surface mail to you. These are very, very good examples of what Book 7 would be like, and thus I feel each examiner should have a copy before him when he studies my application.

(4-22956)
Many thanks for helping make Book 6 of the Flora a success.

Sincerely,

NSF GRANT G-22956

20 additional samples are following by slow, cheap, surface mail for submission to the 20 examiners with the 20 applications for new publication grant mailed March 29, 1963.

Otto Degener

3/29/63
Degener

The New York Botanical Garden BRONX PARK • NEW YORK 58 • NEW YORK • LU 4-8500

CHARLES B. HARDING, *President*
FREDERICK S. MOSELEY, JR., *Vice President*
MRS. HERMANN G. PLACE, *Vice President*
R. GORDON WASSON, *Treasurer*
WILLIAM C. STEERE, *Director*

April 2, 1963

Dr. Otto Degener
68617 Crozier Drive
Waiialua, Oahu
Hawaii

Dear Dr. Degener:

Thank you for your fascinating letter of March 27. I do hope that the NSF, through Dr. Walter Hodge, will be able to grant you the funds you need.

We are delighted to serve again as your sponsor in requesting funds to publish Book 7 of the Flora Hawaiiensis. We have added the name of The New York Botanical Garden to the copies of the proposals and have gotten them off to Mrs. Stewart with your letter. I also wrote an endorsement of the Garden's blessing at the foot of the letter, over my signature. My best wishes to you for success in obtaining this grant.

We certainly enjoyed your many kindnesses to the Hamiltons who have been talking about Hawaii constantly since their return. We might possibly be through Hawaii in May, on our way to Japan, and, if so, will let you know, in the hope of seeing you even momentarily.

Most sincerely,



William C. Steere
Director

WCS/gd

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

April 11, 1963

Dr. Otto Degener
Mokuleia Beach
Waialua, Oahu, Hawaii

Dear Otto and Isa:

Thank you for your letter of March 15, 1963, Otto, with the next to the last fascicle for Book 6 and the reprint from Phytologia. I was very interested in the article on Guppy whose nephew, Nicholas, I knew at the New York Botanical Garden.

I don't know that I have written you since your earlier letter telling about the honor that came to you from the Swedish Academy of Science in the form of the Linné Medal. Sincerest congratulations!

I am glad that the criticism on the extent of your field work from the one you mentioned has had very limited circulation and influence. I presume that the question of NSF support for Book 7 will be decided in due course, but in the meantime your request for support of field work on Lanai appears to be continuing to receive favorable consideration.

Best regards to you and Isa.

Sincerely yours,

David D. Keck
P. 12

David D. Keck
Deputy Assistant Director for
Biological and Medical Sciences

The New York Botanical Garden BRONX PARK • NEW YORK 58 • NEW YORK • LU 4-8500

CHARLES B. HARDING, *President*
FREDERICK S. MOSELEY, JR., *Vice President*
MRS. HERMANN G. PLACE, *Vice President*
R. GORDON WASSON, *Treasurer*
WILLIAM C. STEERE, *Director*

April 12, 1963

Dr. Otto Degener
68617 Crozier Drive
Waialua, Oahu, Hawaii

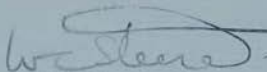
Dear Dr. Degener:

Thank you for your letter of April 6. The landlord situation in Hawaii seems very unstable, both planned and unplanned. Although Dorothy and I would love to stay over and do some collecting, I am afraid the time does not permit. Our Annual Meeting is May 6, which, as you know, is a very wearing occasion. The meetings in Japan, if they materialize, will begin the morning of the 9th and, with the crazy scrambling of plans that the Date Line inflicts, we may have to leave immediately after the Annual Meeting in order to get to Japan on time. Our trip home has not yet been set, much less scheduled. Our only "must" is to see children at each end of California, two families near San Francisco and one family near Los Angeles, even though briefly. Consequently, we will probably have to put off our visit to Kauai until another time, charming and enchanting as it sounds. Actually, I hope to get to the Pacific Science Congress in Tokyo in 1966, and so, in a way, this trip, whose possibility appeared very suddenly, may make a nice preview of a longer and more relaxed trip.

I gave the clipping to Pierre and the question to Rickett.

I am sorry about your cold or flu and hope that you recover soon. By a curious coincidence I enjoyed the worst cold in years, as well as the longest, after my first flu shot. Perhaps they plan to give you such a bad case that you gain immunity for life, like smallpox! All joking aside, I hope that you recover soon.

Most sincerely,


William C. Steere
Director

WCS/gd

P.S. Your letter to the Hamiltons arrived and has been delivered to them.

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D. C.

APR 25 1963

Dr. Otto Degener
68617 Crosier Drive
Wailua, Oahu, Hawaii

GB-879

Dear Dr. Degener:

I am pleased to inform you that the sum of \$2,000 is hereby granted to you by the National Science Foundation for the support of research entitled "Botanical Exploration of the Island of Lanai," for a period of approximately one year, beginning on or about May 15, 1963. Payment of this grant will be made on or about May 15, 1963.

It is a condition of this grant that it may be revoked in whole or in part by the Foundation after consultation with the grantee, except that a revocation shall not affect any commitment which, in the judgment of the Foundation, had become firm prior to the effective date of the revocation; and that funds not committed by the grantee prior to the conclusion of the work contemplated under this grant shall be returned to the Foundation.

It is also a condition of this grant that the funds may be used only for direct costs.

The grantee shall furnish to the Foundation promptly a written disclosure of each invention conceived or first actually reduced to practice in the performance of work supported by this grant, together with a statement specifying whether or not foreign and/or domestic patent applications will be filed. Upon application for any patent on any such invention, the Government shall be granted an irrevocable, royalty-free, nonexclusive license for use of such invention for governmental purposes throughout the world (including use pursuant to any treaty or international obligation of the United States). In those countries where a patent application is not to be filed, the Foundation may file for such patent on behalf of the Government. In any case, whether or not a patent is to be filed, the Foundation may arrange for the invention to be described in a printed publication.

The Foundation requires that this grant be administered in general accordance with the Foundation's policies for research grants as stated in "Grants for Scientific Research," January 1960, as amended, and in conformity with the other understandings reached between the Foundation and the grantee relating to this grant.

Please acknowledge receipt and acceptance of this grant and include a reference to the grant number.

Sincerely yours,

FRANK C. SHEPPARD
ACTING DIRECTOR

NATIONAL SCIENCE FOUNDATION

GRANT FISCAL REPORT

From: _____
(Grantee)

(Address)

To: Grants Administrator
NATIONAL SCIENCE FOUNDATION
Washington 25, D. C.

Date: _____

Report of obligations from NSF funds for grant number: _____
(NSF No.)

Reporting period: _____ to _____ (inclusive)
(Date) (Date)

Type report: Interim ☐ , Number _____; final ☐ (check one)

Item	Amount Expended
1. Salaries and wages	\$ _____
2. Equipment (permanent)	_____
3. Supplies, materials, and expendable equipment.	_____
4. Travel	_____
5. Publication costs (Total - page costs, reprints, direct labor, etc.)	_____
(a) Page costs only, if available	_____
(b) Reprints, direct labor, and any other publication costs	_____
6. Other (Specify): _____	_____
7. Total direct costs - Add lines 1 through 6	_____
8. Allowance for indirect costs - _____ % of line 7	_____
9. Total obligations for above period - Add lines 7 & 8	_____
10. Total obligations for prior periods	_____
11. Total obligations to date - Add lines 9 & 10	_____

COMMENTS: (Continue on reverse side if necessary)

SIGNED: _____ TITLE: _____
TYPE NAME: _____

Two copies of an interim fiscal report are due approximately six months from award date of a grant and at six-month intervals thereafter. Firm outstanding commitments should be considered as obligations for the purposes of interim reports. Two copies of a final fiscal report are due as soon as possible after all costs chargeable to the grant are known. The following certification, in the case of final reports, should be inserted above, immediately preceding the signature of the official authorized to sign for the grantee institution: "I certify that this final fiscal report is correct and that the expenditures included herein are deemed properly chargeable to the grant." Unused funds are to be returned by check payable to the National Science Foundation.

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D. C.

APR 25 1963

Dr. Otto Degener
68617 Crozier Drive
Waiolua, Oahu, Hawaii

GB-579

Dear Dr. Degener:

I am pleased to inform you that the sum of \$2,000 is hereby granted to you by the National Science Foundation for the support of research entitled "Botanical Exploration of the Island of Lanai," for a period of approximately one year, beginning on or about May 15, 1963. Payment of this grant will be made on or about May 15, 1963.

It is a condition of this grant that it may be revoked in whole or in part by the Foundation after consultation with the grantee, except that a revocation shall not affect any commitment which, in the judgment of the Foundation, had become firm prior to the effective date of the revocation; and that funds not committed by the grantee prior to the conclusion of the work contemplated under this grant shall be returned to the Foundation.

It is also a condition of this grant that the funds may be used only for direct costs.

The grantee shall furnish to the Foundation promptly a written disclosure of each invention conceived or first actually reduced to practice in the performance of work supported by this grant, together with a statement specifying whether or not foreign and/or domestic patent applications will be filed. Upon application for any patent on any such invention, the Government shall be granted an irrevocable, royalty-free, nonexclusive license for use of such invention for governmental purposes throughout the world (including use pursuant to any treaty or international obligation of the United States). In those countries where a patent application is not to be filed, the Foundation may file for such patent on behalf of the Government. In any case, whether or not a patent is to be filed, the Foundation may arrange for the invention to be described in a printed publication.

The Foundation requires that this grant be administered in general accordance with the Foundation's policies for research grants as stated in "Grants for Scientific Research," January 1960, as amended, and in conformity with the other understandings reached between the Foundation and the grantee relating to this grant.

Please acknowledge receipt and acceptance of this grant and include a reference to the grant number.

Sincerely yours,

FRANK C. SHEPPARD
ACTING DIRECTOR

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

APR 25 1963

Dr. Otto Degener
68617 Crozier Drive
Waialua, Oahu, Hawaii

GB-879

Dear Dr. Degener:

I am pleased to inform you that the sum of \$2,000 is hereby granted to you by the National Science Foundation for the support of research entitled "Botanical Exploration of the Island of Lanai," for a period of approximately one year, beginning on or about May 15, 1963. Payment of this grant will be made on or about May 15, 1963.

It is a condition of this grant that it may be revoked in whole or in part by the Foundation after consultation with the grantee, except that a revocation shall not affect any commitment which, in the judgment of the Foundation, had become firm prior to the effective date of the revocation; and that funds not committed by the grantee prior to the conclusion of the work contemplated under this grant shall be returned to the Foundation.

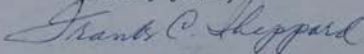
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Please acknowledge receipt and acceptance of this grant and include a reference to the grant number.

Sincerely yours,



FRANK C. SHEPPARD
ACTING DIRECTOR

April 27, 1963.

Dear Dr. Steere:

Here we are. Book 6 is puu, as the aborigines of Hawaii Nei would say. Of course, the format is a nuisance for librarians BUT it is the only method to write a Flora for an area that is relatively unknown. Were I to print it in firmly bound cover, such a volume would be out-of-date before it comes off the press. Of course, I don't advocate my method for areas like North America or Europe where every square foot has been combed over for the last few centuries.

I am not over my cold yet - after more than two months - and Isa started out with a sore throat yesterday. This means we can't make use of the free cottage at edge of rain-forest in Kauai. We are so disgusted as this was our last chance, the place being sold June 1. Can't you hear us, all the way in N.Y., as we are gnashing our teeth in frustration?

My electrocardiograph shows my heart to be in good condition - it has always been in the right place anyway according to friends & my kidneys would produce a normal cannibal pie, and my lungs except perhaps for a couple of bronchi make an X-ray picture fair enough to frame and hang on the dining room wall. In other words, no virus will kill me off. But Isa & I plan a round trip flight to Japan; another to New Zealand etc.; and of course a third to the Congress in Edinburgh. What a virus can't do, a defective 'plane could. Remember, people die today who never died before.

Isa & I own everything jointly, and according to our Will, the survivor gets all. Thanks to the right parents, real estate and other conservative and wise investments - neither of us are as stupid as we look - our estate would eventually fall somewhere into the bracket between \$1 - 1,000,000. We have no children and our relatives are too well off to require more than a token gift of \$500 or so to appreciate our passing. Now what if both of us should perish under a taxi or in a 'plane mishap???

When I was a bachelor years ago I started to bequeath my assets to the Garden when the very sincere eagerness by the Director to wish to use such cash not for Haw. Taxonomy but for Antibiotic Research simply scared me off. Within the next year or so, preferably before a major joint trip, we really should put our house in order. Of course, the Bishop Museum possesses a superb Polynesian Herbarium & Library but for monographic work in genera spilling beyond Polynesia such herbarium & library are inadequate. Also, the Bishop Museum is hardly a help in working up introduced weeds and ornamentals.

Now that jetting about the World is so easy and inexpensive, Hawaii is easier to reach from the Bronx than was Staten Island a generation ago. Would it not be feasible if eventually some Degenerien Foundation were established to push "Degeners' Flora Hawaiiensis," a joint undertaking between the Garden & the Bishop Museum? Such a bequest to eleemosynary institutions would be quite effective particularly as nothing would be lost in inheritance taxes. The project would never end, as new endemics

4/27/13

are discovered, older descriptions corrected and refined, and new introductions included in the Flora as they turn up. Eventually, of course, editions of the Flora Hawaiensis could be bound in conventional form, instead of loose-leaf, when the need for field work is no longer so pressing.

As Director of the Garden you must have considerable experience with bequests, wills, testaments, gifts, etc., etc., & some day we should like to get your reaction.

This letter may reach you at the Garden on your return from Japan. We hope to see you both in Honolulu very soon. But you will be so busy that it would be cruel to pester you at this time with a "Flora Haw., Foundation" idea. At any rate, this letter can be on your desk in N.Y., until the spirit moves you to mull over it & write us your reaction. I doubt that the Bishop Museum would ever be able to handle such a trust alone. They are primarily anthropological.

Aloha,

April 29, 1963.

Dr. F.C. Sheppard,
National Science Foundation,
Washington 25, D.C.

Dear Dr. Sheppard:

Many thanks for your informational letter of April 25 regarding grant GB-879. Mrs. Legener and I shall of course conduct our "Botanical Exploration of the Island of Lanai, State of Hawaii," according to your instructions.

We are certain that our project will be performed to the satisfaction of NSF as we consider the funds granted as aid, to be augmented by as much cash of our own as we can possibly spare.

We hope the NSF examiners do not expect immediate, published results based on our Lanai finds. Such publication is usually delayed for years until the writers, with or without collaborators, or specialists alone, can carefully study the plants. Some of the described taxa in Book 6 have been collected first decades ago. Little was done until perhaps later field work unearthed the hitherto unknown flower or fruit.

Aloha,

NATIONAL SCIENCE FOUNDATION WASHINGTON 25, D.C.				Page <u>1</u> of <u>1</u> Pages REPORT FOR QUARTER ENDED: April 30, 1963	
GRANTEES QUARTERLY EXPENDITURE REPORT					
TO: National Science Foundation ATTN: Finance Office Washington 25, D.C.			FROM (name & address of institution): University of America Park Place Newark, New Jersey		
We hereby submit the required grant expenditure data, covering the quarter year ended as per above date.					
GRANT NUMBER	AMOUNT OF AWARD	EXPENDED-END-OF- PREVIOUS-QUARTER	EXPENDED THIS QUARTER	TOTAL EXPENDED	UNEXPENDED BALANCE
		Balance Due from NSF			
G-7502	6,900.00	-0-	-	5,696.45	1,203.55
G-10320	19,000.00	6,600.00	-	9,585.11	9,414.89
G-11098	41,000.00	-0-	-	38,441.75	2,558.25
G-12073	40,000.00	10,000.00	-	28,775.00	11,225.00
G-14076	20,000.00	-0-			
17602	11,900.00	8,900.00	-	900.00	11,000.00
G-19620	100,000.00	90,000.00	-	-0-	100,000.00
GE-187	5,900.00	-0-	-	2,000.00	3,900.00
GP-788	25,500.00	25,500.00	-	500.00	25,000.00
TOTALS (of this page only)	1,376,000.00	308,600.00	-	976,000.00	400,000.00
TOTALS (of all pages when more than one)					91,400.00
LESS:		CASH ON HAND - END OF QUARTER			308,600.00
		NET BALANCE DUE			

FOR NSF USE ONLY REPORT AUDITED AND RECONCILED
DATE

NSF FORM
NOV 1961 4-51

I certify that the above data is true and correct, and was obtained from the official accounting records of this institution.

SIGNED John H. Doe
 TITLE Director
 DATE June 13, 1963

FORM APPROVED BY THE COMPTROLLER GENERAL, U.S., 9-61

STATEMENT



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PUBLISHERS OF THE HONOLULU ADVERTISER OWNERS OF RADIO STATION KGU

 CABLE ADDRESS — ADVERTISER
 P. O. BOX 3110 PHONE 52977
 ADVERTISER SQUARE
 HONOLULU 2, HAWAII

COMMERCIAL PRINTING

APR 30 1963

 Dr. Otto Degener
 RR 1, Box 89
 Waialua, Hawaii

TO INSURE PROPER CREDIT TO YOUR ACCOUNT, DETACH THIS PORTION AND ENCLOSE WITH YOUR REMITTANCE

				PAST DUE	CURRENT	BALANCE
BALANCE FORWARD AS OF →						
DATE	DESCRIPTION	SPACE	RATE	CHARGES	CREDITS	
Jan 28	JB 359829	18 lots of Flora Hawaiiana				
		3,000 each, includes later				
		Punching & Trimming		827.51		827.51
Mar 19	CS 36544	New York Botanical Garden			780.14	47.37
Apr 4	CS 36678	" " " "			2,862.82	2,815.45
Apr 18	CS 36760	Check No. 41 - for Title page			43.20	2,858.65
Apr 30	JB	360251, 360647 & 360694/ 2,500 copies Book No. VI Flora Hawaiiana		2,906.02		47.37

EXPLANATION OF KEY SYMBOLS

 LD—LOCAL DISPLAY JB—JOB PRINTING
 NA—NATIONAL LG—LEGAL
 MS—MISCELLANEOUS CM—CREDIT MEMO
 CS—CASH

THE HONOLULU ADVERTISER

 ADVERTISER PUBLISHING COMPANY
 HONOLULU, HAWAII

RADIO STATION KGU



STATEMENT

ADVERTISER PUBLISHING CO., LTD.

PUBLISHERS OF THE HONOLULU ADVERTISER OWNERS OF RADIO STATION KGU

COMMERCIAL PRINTING

CABLE ADDRESS—ADVERTISER
P. O. BOX 3110 PHONE 58977
ADVERTISER SQUARE
HONOLULU 2, HAWAIIDR OTTO DEGENER
P O BOX 187
WAIALUA, HAWAII

APR 30 1963

TO INSURE PROPER CREDIT TO YOUR ACCOUNT, DETACH THIS PORTION AND ENCLOSE WITH YOUR REMITTANCE

BALANCE FORWARD AS OF →				PAST DUE	CURRENT	BALANCE
MAR 31 63				47.37	.00	47.37
DATE	DESCRIPTION	SPACE	RATE	CHARGES	CREDITS	
APR 4 CS	36,678				2862.82	2815.45
APR 18 CS	36,760				43.20	2858.65
APR 30 JB	360251, 360647 & 360694/2,500 COPIES BOOK NO. VI FLORA HAWAIIANA			2906.02		47.37

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THE HONOLULU ADVERTISER

ADVERTISER PUBLISHING COMPANY
HONOLULU, HAWAII

RADIO STATION KGU

NATIONAL SCIENCE FOUNDATION

GRANT FISCAL REPORT

From: The New York Botanical Garden
(Grantee)
Bronx Park, Bronx 58, N. Y.
(Address)

To: Grants Administrator
NATIONAL SCIENCE FOUNDATION
Washington 25, D. C.

Date: _____

Report of obligations from NSF funds for grant number: 0-22956
(NSF No.)

Reporting period: July 1, 1962 to Dec. 31, 1962 (inclusive)
(Date) (Date)

Type report: Interim ☒, Number 2; final ☐ (check one)

Item	Amount Expended
1. Salaries and wages	\$ _____
2. Equipment (permanent)	_____
3. Supplies, materials, and expendable equipment.	_____
4. Travel	_____
5. Publication costs (Total - page costs, reprints, direct labor, etc.)	_____
(a) Page costs only, if available	<u>1,511.15</u>
(b) Reprints, direct labor, and any other publication costs	_____
6. Other (Specify):	_____
7. Total direct costs - Add lines 1 through 6.	<u>1,511.15</u>
8. Allowance for indirect costs - _____ % of line 7	_____
9. Total obligations for above period - Add lines 7 & 8	<u>1,511.15</u>
10. Total obligations for prior periods	<u>786.26</u>
11. Total obligations to date - Add lines 9 & 10	<u>2,297.41</u>

COMMENTS: (Continue on reverse side if necessary)

SIGNED: _____ TITLE: NSF Assistant Director
TYPE NAME: Robert F. Holkebeck

Two copies of an interim fiscal report are due approximately six months from award date of a grant and at six-month intervals thereafter. Firm outstanding commitments should be considered as obligations for the purposes of interim reports. Two copies of a final fiscal report are due as soon as possible after all costs chargeable to the grant are known. The following certification, in the case of final reports, should be inserted above, immediately preceding the signature of the official authorized to sign for the grantee institution: "I certify that this final fiscal report is correct and that the expenditures included herein are deemed properly chargeable to the grant." Unused funds are to be returned by check payable to the National Science Foundation.

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

May 1, 1963

Drs. Otto and Isa Degener
Mokuleia Beach
Waialua, Oahu, Hawaii

Dear Drs. Degener:

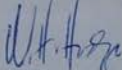
The Division of Biological and Medical Sciences is pleased to inform you that your research proposal referenced below has been approved by the National Science Foundation. We enclose a copy of the grant document for your information as to the conditions of the grant.

Our policy with regard to reports on research supported by the Foundation is as undemanding as possible. We would like to have a short informal annual report at the end of each twelve-month period following the activation date of the grant, and, at the expiration of the grant, a more comprehensive final report (in duplicate) of the progress of the research. The final report should describe the principal accomplishments achieved during the period of the grant, enumerate all articles published from the investigation, and in addition, should include a listing of personnel who have participated in the work; such as student, technical assistant, and/or professional associate. If in the course of the research, any unusually significant results are obtained, we would like to know about them as they occur.

We also request that four reprints of each publication resulting from studies conducted under the grant be provided us as soon as they become available. In the case of large papers of 100 or more pages, two copies are generally sufficient. An appropriate acknowledgement should be made in each publication on work aided by the Foundation; usually a simple footnote is adequate.

In administering its research grant program, the National Science Foundation has traditionally fostered a close relationship between working scientists and the scientific staff of the Foundation. It is our feeling that only in this way is it possible to keep the scientific aspects of our research support program paramount. Thus may we suggest, if you should have any questions regarding your grant now or in the future, that you contact the Systematic Biology Program and we will be pleased to be of assistance directly or to take up the question with the appropriate office within the Foundation. It would also be appreciated if the newly assigned grant number is used in such correspondence.

Yours sincerely,



W. H. Hodge
Program Director for
Systematic Biology

"Botanical Exploration of the Island of Lanai"
\$2,000 for approximately one year

May 5, 1963.

Dr. W.H. Hodge:
National Science Foundation,
Washington 25, D.C.

Dear Dr. Hodge:

I have your informational letter regarding Grant GB-879 of May and one from Dr. F.C. Sheppard dated April 25. As mentioned to him April 29, Mrs. Degener and I shall of course conduct our "Botanical Exploration of the Island of Lanai, State of Hawaii," according to instructions.

The project involved is limited to the botanical exploration of the single island of Lanai during approximately one year, not to publication. As in the past (announced in *Torreyana* 33: 158, 1933.), Mrs. Degener and I are not so much interested in gaining personal credit for having described and named a record number of endemic taxa, as to have the flora of the Hawaiian Islands worked up by the keenest experts available. Hence whenever specialists arise on the horizon, we try to siphon our finds to them for their expert findings, with or without our collaboration in the text. Whenever no specialist is available, Mrs. Degener and I tackle the plant ourselves, publishing in our "*Flora Hawaiiensis* or New Illustrated Flora of the Hawaiian Islands" at odd, dated intervals whose frequency depends on availability of funds.

Many of our finds, collected privately and more recently with the aid of the Foundation, are in the hands of experts. Unfortunately, we cannot always induce such workers to acknowledge the help of NSF. Dr. Hörmann, with his paper on the anatomy of *Pogonatum Baldwinii*(i), is an exception. In an attempt to ameliorate this lack of giving credit where credit is due, we have mentioned in Book 6 of the Flora that any publications based on specimens collected by us since 1956 owe a debt of gratitude to the Foundation.

Material that we hope to collect on Lanai will not necessarily appear in print very soon. There is always a considerable time lapse intervening between the collection of a specimen and of its proper publication. Two hurdles must be overcome: 1.) working up the finds, often with consider-

able delay due to the absence of the proper literature and type specimens, and, 2.) financing publication of the completed manuscript. History may well repeat itself. Just as Hillebrand's "Flora of the Hawaiian Islands" was published posthumously in 1898, sixteen years after its author's departure from the Islands, many of the specimens collected by the Degeneras will be published posthumously. Whether we receive outside financial aid or not, funds for some publication will be available eventually as we lack children and impecunious relatives. Though we prefer to see the results of our field work in print during our life time, we do enjoy a certain vicarious satisfaction knowing that some one is bound to continue our project where we leave off. As we collect whenever possible abundant duplicates for free distribution to major scientific institutions, we avoid the tragedy of our predecessors whose types and few cotypes have largely disappeared due to military bombing and the ravages of insects.

We are delighted and grateful for the Foundation's interest in our project, and shall remove to the Island of Lanai at the most economical time.

Sincerely yours,

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

May 2, 1963

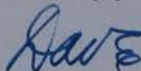
Dr. Otto Degener
68-617 Crozier Drive
Waialua, Oahu, Hawaii

Dear Otto:

Thank you very much for the copy of Book 6. You are to be congratulated on continuing to bring this out so consistently. I am always very happy to know how your research progresses.

Best regards to you both.

Sincerely yours,



David D. Keck
Deputy Assistant Director for
Biological and Medical Sciences

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D.C.

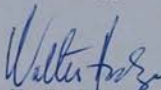
May 2, 1963

Drs. Otto and Isa Degener
Waialua, Oahu, Hawaii

Dear Otto and Isa:

A brief note of thanks for the copy of Book 6 of FLORA HAWAIIENSIS which arrived here a few days ago. We are happy to add this to our office set of the FLORA. I found the accounts of Guppy and Wimmer interesting. These reminded me of my promise to send on a photo of Rock and his chaulmoogra trees. Last night I spent over an hour ransacking my files for this picture without success. I cannot imagine what has happened to it for I had it in hand last Fall, I know. I shall keep looking with the hope that it will turn up but am wondering when is your deadline.

Cordially,



W. H. Hodge
Program Director for
Systematic Biology

The New York Botanical Garden BRONX PARK • NEW YORK 58 • NEW YORK • LU 4-8500

CHARLES B. HARDING, *President*
FREDERICK S. MOSELEY, JR., *Vice President*
MRS. HERMANN G. PLACE, *Vice President*
R. GORDON WASSON, *Treasurer*
WILLIAM C. STEERE, *Director*

May 6, 1963

Dr. Otto Degener
68617 Crozier Drive
Waialua, Oahu, Hawaii

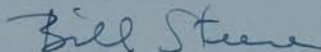
Dear Dr. Degener:

My warmest congratulations on your grant of \$2,000 from the National Science Foundation for field work on Lanai. I am especially glad that NSF finally got around to making this grant to you personally, as they were concerned about finding an institution through which to work. However, I know that you can account for this amount satisfactorily and you will not have the loss of a certain percentage for overhead to the institution that handles the funds.

We were much distressed to learn that your health had been bad as we had hoped that the flu would be out of your system by this time. I hope that the doctor will clear you for the Lanai trip as I always find that my aches and pains disappear when I get out in the field, from the exercise, fresh air, and the general well being that one has in the field. To me field work is the best therapy in the world for almost every ill, and especially the mental ones, since the lack of a telephone is extremely helpful. I am sorry that Isa caught your bug but delighted to know that she made a fast recovery.

Since our plane gives us only an hour stopover in Honolulu, we will just think wistfully about you and your lovely place in Waialua. We will certainly be back in Hawaii for a longer stay and will come and see you again, as that day was one of the most pleasurable we had during the whole Pacific Science Congress.

Most sincerely,



William C. Steere
Director

WCS/gd

Waialua, Oahu, Hawaii.
May 6, 1963.

Dear Walter:

We have your letter regarding the Rock photograph. The deadline for publication would be sometime in 1967. It may take us about four years to complete Book 7 of the Flora Hawaiiensis if conditions work out ideal, and the Rock bibliography could be printed with the last fascicle. I have any number of Rock letters to choose from and print as a zinco.

Off the record, the Lanai project has an unexpected element of success built into it. Probably due to my mailing the Manager of the island complimentary copies of our Flora, he writes: "The Dole-built houses not purchased by employees are maintained and rented by a Dole subsidiary called Plantation Housing - - - You should write for information on house availability - - - ." In other words, we can save a small fortune for really extensive botanizing by bypassing the expensive Lanai hotel. & Trustee

To keep the wolf from the door I am Executor of three small trusts and own four rental units on Oahu. Presently one of these, ordinarily renting for \$100 per month, is vacant. We shall not remove to Lanai until we find suitable tenants as to do otherwise would hardly improve our financial position to further Hawaiian Botany: getting cash from NSF and at the same time losing it at home!

One of our tenants is a young, robust soldier who has about a month's vacation to his credit. We are flirting with the idea of having him purchase an Army Surplus jeep for a song, hiring him and jeep for a month's work on Lanai, and then purchasing the jeep from him for two songs on his departure for Oahu. If we are to remain on that island many months - thanks to a rented house - such a purchase would be far more economical than renting a jeep by the month from the Lanai garage.

Regarding Book 6, no one knows it is in existence as I am not investing in any advertising. I am, however, mailing away complimentary copies to editors of various magazines and to a local newspaper. I have already placed about 70 copies on consignment @ \$16 less 1/3 which would help repay the \$6,000 NSF grant that recently expired.

We anticipate an exciting future on Lanai.

Aloha,

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D.C.

Office of Science Information Service

May 8, 1963

In reply refer to:
NSF G-22956

VIA AIR MAIL

Dr. Otto Degener
Waialua
Oahu, Hawaii

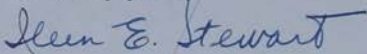
Dear Dr. Degener:

Thank you for your letter of March 15 relating the progress of NSF grant G-22956, as well as the inclusion of another fascicle for Book 6 of the Flora Hawaiiensis.

As you requested, we are enclosing our revised booklets, "Grants for Scientific Research", and "Programs for Dissemination of Scientific Information", as well as the mimeographed sheets we usually send to applicants entitled "NSF Grants for Primary Scientific Publications".

Congratulations to you and Mrs. Degener on your receipt of the 1962 Linnaeus Medal from the Swedish Royal Academy of Sciences. We appreciate your acknowledgement of Foundation assistance.

Sincerely yours,



Ileen E. Stewart
Assistant Program Director
Support of Scientific Publications

Enclosures (3)

5/8/63

March 15, 1963.

Dear Mrs. Stewart:

Here is another fascicle for Book 6 of the Flora Hawaiiensis, produced under NSF Grant G-22956. There will be just one other fascicle, consisting of a few pages of Table of Contents.

To remain within the appropriated \$6,000 (or rather not to go beyond to a sum I cannot afford to expend myself), Mrs. Degener and I will not have all 3,000 copies of the Book assembled and bound. That is the only practicable way to reduce expenses as the charge for binding comes to almost \$1.00 per copy. We had a few unexpected expenses due to living in the Tropics - moisture- and insect-damage to some packages requiring some additional offset printing.

Stockholm awarded me the Linné Medal. We are using it as a design for the title page. As it is a bit personal advertising, Mrs. Degener and I feel NSF should not pay for the printing of the sheet. We have therefore used funds donated by Mr. Will. H. Witte, now I believe over 90 years of age, to whom we have been mailing Haw. herbarium specimens as gifts for his alma mater, Rutgers University.

We are mildly proud of the Guppy biography as the ancient photo and the account are both 100% original. The article could have been absolutely fascinating had not the printer erred at the last minute, making it necessary to leave one page blank.

Binding of the proper number of copies will be completed well before April 1 and the final accounting mailed to the N.Y. Botanical Garden before the dead-line.

If your booklet of instructions has changed since the amended one of June 3, 1960, please send me the revision. Now that field work and publication have been divorced from one another, I do not quite know with whom to correspond about NSF grants.

Aloha,

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D.C.

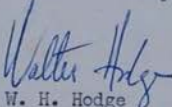
May 14, 1963

Dr. Otto Degener
Waialua, Oahu, Hawaii

Dear Dr. Degener:

Thank you for your letter of May 5 enclosing the reprints by Dr. Hormann. These we are happy to have as indications of some of the research which is bound to come out of your collecting explorations in Hawaii.

Yours sincerely,

A handwritten signature in dark ink, appearing to read "Walter Hodge". The signature is fluid and cursive, with the first name "Walter" being more prominent than the last name "Hodge".

W. H. Hodge
Program Director for
Systematic Biology

5/22/63

5-22-63

Dear OTTO:-

Thanks for your letter
of May 14th

I am pleased to learn from the
P. S. that the correct name is
now settled. I agree with the
findings. Seems to be no question.

Kokia

I can't say that I agree with
you on the pollination of the flower
if it is a bird - which one??
It has produced seed where ever
we have planted it, provided of
course that the site was a suitable
one. This year we have had very
heavy rains. A week ago I had a
request for seed from a fellow in
ARIZONA - US DA - cotton Research -
I checked & found that no seed had
set. Insects seldom are able to work
in wet weather. Now you have got
me interested - I have never seen a
bird around the flower. Now I
shall make it a point to watch &
try & observe.

I see nothing wrong with your
description & put same herewith
I hope that your "flu" or what
ever it is is improving

aloha

Bell

[L. W. Beyer]

Evidently I
erred all date;
it should be
May 15,
1963.
May 24, 1963.

Dear Mrs. Stewart:

Now that Book 6 of the Flore Hawaiiensis has been completed and is being offered for sale at the Bishop Museum Book Shop and at two other shops in the Islands, Mrs. Degener and I need a ruling concerning the Recovery Clause effective April 4, 1962 as mentioned in your August 1 letter (G-22956).

The entire figuring, as we amateur accountants see it, is hopelessly involved because Mrs. Degener & I furnished about 100 full-page drawings for Book 6 paid by us privately, starting as early as 1926! These were made by various adolescents, some being unfortunates on parole to me from the Industrial School, arrested T.B., cases from a sanitarium, and even a boy or two from the Home for Feeble Minded. The precise cost of such drawings is simply impossible to establish as I furnished such lads board & room in my home. To cut red tape and simplify matters, we thought some method like the following might be fair:

1. Of the 534 pages comprising Book 6, 384 pages were published before April 4, 1962 while 150 pages were published since that date and some under G-22956.
2. The \$6,000 grant has paid for printing the 150 pages plus binding (\$2,906.02).
3. On each book sold I owe NSF the cost of \$2,906.02 for binding. This is for 2,500 books or at the rate of \$1.16 per book.
4. Subtracting the \$2,906.02 from the \$6,000 grant, we have \$3,093.98 remaining as printing costs for the 150 pages. That figures at \$20.62 per page.
5. The 150 pages financed under Grant 22956 is 28% of the pages of the complete 534 page Book 6.
6. In conclusion, should I not reimburse NSF outright \$1.16 for each book sold plus 28% of the income from each book sold at the retail price of \$10.00 and the wholesale price of \$6.67, less a proportion of the postage? Because of the nuisance involved, I never charge the customer postage, but to offset this I grant only 33 1/3% commission instead of the desired

40%.

As your office must have considerable experience with similar book projects, we hope you will give us your reaction and advice. The main thing is to have everything fool proof as we are botanists rather than accountants. Actually, the entire book-keeping problem is more academic than actual as, from past experience, we are pretty well convinced book sales will be limited to institutions and specialists - there are not many in the World.

Mrs. Degener & I are soory to pester you with this problem - evidently the last for G-22956 as on receiving your advice we will have the New York Botanical Garden wind up everything financial up to the death of the Recovery Clause.

Sincerely,

NATIONAL SCIENCE FOUNDATION
Washington 25, D. C.

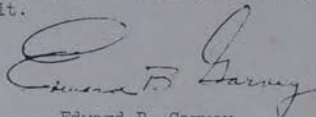
PROCEDURES FOR REQUESTING CASH AND REPORTING EXPENDITURES ON
NATIONAL SCIENCE FOUNDATION GRANTS

You have recently received a grant from the National Science Foundation. The letter informing you of the award of the grant indicated that cash needed for the grant should be requested on NSF Form 4-49, Grantee's Monthly Cash Request. We are enclosing copies of NSF Form 4-49 and also other forms to be used in the reporting of expenditures on this grant. If your cash needs will not exceed \$5,000 per month, you may request your cash on a quarterly basis. The expenditures should likewise be reported on a quarterly basis on NSF Form 4-51, Grantee's Quarterly Expenditure Report. In preparing this latter document, you should include not only the NSF grant recently awarded, but also any other NSF grant for which a final fiscal report has not been rendered. Unless you negotiate with us for some other date, we will expect that the expenditure report will be prepared at the close of each calendar quarter; that is, March 31, June 30, September 30, and December 31.

If you have questions relative to the execution of any of the attached forms, you may address letters to the Finance Office, National Science Foundation. If you wish to telephone, the number is STerling 3-2140, Extension 263. Either Mr. Gagnon or Mr. Ward will answer telephone inquiries regarding the application of the grant payment plan.

We are enclosing copies of our brochure "Grant Accounting Instruction Manual for Grantee Institutions." The brochure has been prepared to assist grantees in the implementation and operation of the new grant payment system. We are enclosing an ample supply of the forms needed to operate under the new procedure. Additional forms may be obtained by addressing a letter to the Finance Office.

We would appreciate it if you would acknowledge receipt of this procedure. Please furnish us with the name, address and telephone number of those persons whom we should contact in the event we have questions pertaining to any of the forms which you submit.



Edward B. Garvey
Finance Officer

Enclosures

Prepared May, 1963

P. O. Box 561
Wahiawa, Hawaii
June 6, 1963

Dr. and Mrs. Otto Degener
68-617 Crozier Drive
Waiialua, Hawaii

Dear Dr. and Mrs. Degener:

I received in the mail several days ago another package from you and upon opening the same I found that it contained your new illustrated Hawaiian Flora, Book 6. I notice that you have written on the frontispiece that this book is not yet off the press.

It is impossible for me to adequately express to you the gratitude that Mrs. Ballengee and I have for the thoughtfulness that prompted your sending this volume to us. We will certainly enjoy this for many years to come because we are both interested in plants. However, we find that many of those listed in your new book are somewhat strange to us.

I am looking forward to the opportunity to be of some service to you when you are ready to go to Lanai to carry on further research in your field of endeavor.

Sincerely,

Milton E. Ballengee

Milton E. Ballengee

MEB:fv

June 12, 1965.

Dr. Frank C. Sheppard,
National Science Foundation,
Washington 25, D.C.

Dear Dr. Sheppard:

On receiving your April 25 letter concerning GB-879 for the "Botanical Exploration of the Island of Lanai," I signed the "recovery clause" agreement, mailing it to your office with a sample copy of Book 6 of the Flora Hawaiiensis just completed with NSF aid.

Mrs. Degener and I have had remarkable and unexpected success in "paving the way" for our work on Lanai, probably by having mailed complimentary copies of our Flora Hawaiiensis Books 1-6 to the Manager of the Dole Pineapple Corporation and other interested resident officials. Now, instead of being obliged to live at the only hotel available for \$22 per day (!), Manager Aldrich has offered us a 3-bedroom unfurnished house in the center of Lanai for only \$60 per month. This will enable us to remain on Lanai for many months of field work.

As it is too dangerous and impracticable for Mrs. Degener and myself to botanize alone on Lanai (or for that matter on any one of these island lands), we have tentatively "invited" local, retired but still active, professional foresters, a game warden and men of that type to fly to Lanai on their own funds, to accompany us on our explorations. It is our plan to drive up the single road following the crest of the lone mountain range and then work down one ridge and one gulch after another in our search for plants. The third party in our group would then drive around with our jeep to pick up collectors up toward evening along the beach road with our booty.

As GB-879 was activated May 15, we took the liberty of purchasing and ordering various items of equipment from that date on for our project even though the cheque for \$2,000 had not yet arrived. Mrs. Degener and I hope it has not gone astray in the mails. We should like to show the Dole Corporation our gratitude for their kind cooperation, and mail them a cheque for the house selected to be our headquarters. Due to past outlays, we are having difficulty in doing so and leaving Oahu for Lanai.

Aloha,

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

June 25, 1963

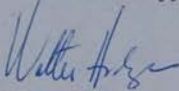
Dr. Otto Degener
Waialua, Oahu, Hawaii

Dear Dr. Degener:

Your letter of June 12 to Mr. Frank C. Sheppard concerning your grant GE-879 has finally arrived in this office for reply. The Finance Office has been notified that your check has not been received and it is my understanding that this was air mailed to you yesterday. If it is not received shortly, please let me know.

With all good wishes,

Yours sincerely,



W. H. Hodge
Program Director for
Systematic Biology

June 23, 1963.

Dear Sirs:

Regarding Grant GB-879 involving a total of \$2,000 and activated May 15, 1963, I mailed you two NSF forms 4-49 and one 4-51 on June 25. These are rather involved as I had made some purchases after May 15 before the arrival of your \$2,000 cheque.

Now that the cheque has arrived please disregard the previous form 4-49 dated June 25 for the months of July - Sept., if it meets with your approval, and accept the present revised one in its stead. I believe it will simplify matters considerably.

As my project takes me to an isolated island not visited by ships but solely by plane, please correspond with me by AIR MAIL.

Aloha,

5-27

GRANTEES
MONTHLY CASH REQUEST

Date June 25, 1963

TO: National Science Foundation
ATTN: Finance Office
Washington 25, D.C.

FROM: Dr. Otto Degener,
68617 Crozier Drive, (Grant GB-879)
Waikeolu, Oahu, Hawaii

We hereby submit our cash requirements to cover anticipated
expenditures relative to all NSF grants awarded and currently outstand-
ing for the above institution for the month of July, August, Sept. 1963

ANTICIPATED CASH EXPENDITURES \$ 1,335.00 *

LESS: ESTIMATED CASH BALANCE ON
HAND AT END OF CURRENT MONTH \$ 1,853.62

CURRENT CASH ADVANCE REQUESTED \$ 1,335.00

Revised sheet dated June 28 gives → 1,853.62
(which completes payment of the \$2,000 grant.)
(Due to the great distance, please correspond by AIR MAIL.)

SIGNED _____

TITLE _____

FOR NSF USE ONLY	
REQUEST AUDITED	REQUEST APPROVED
DATE	DATE
SCHEDULE NO.	

NSF FORM 4-49
AUG 1961

*Amounts anticipated for expenditure shall not include requests under matching fund grants until the matching requirements have been met.

FORM APPROVED BY THE COMPTROLLER GENERAL, U.S., 9-61

June 28, 1963.

Dear Dr. Hodge:

Your June 25 letter and the \$2,000 NSF Grant GB-879 cheque arrived today. Many thanks.

Some days ago we sent quarterly accounting papers to Finance Officer Garvey but now that the funds have arrived we shall send a new accounting with the request the old be discarded. It will simplify everything.

May 19 we received a touching farewell letter from Dr. Skottsberg, hopelessly ill with liver cancer in the G8teborg hospital. He wrote, "Anybody who could take care of Wikstroemia will find an almost finished ms., with all the drawings and photography ready to be reproduced." This ms., is limited to the Hawaiian Islands. Very much of it is based on our past collections on most islands of this group, financed by my various NSF collecting grants. From her letter dated June 24 we now learn from Mrs. Skottsberg that Book 6 of the Flora Hawaiiensis "came a few days before my husband's death." Though his suffering is over, we cannot but feel upset. It would be a shame if Dr. Skottsberg's manuscript were lost. Of course, we cannot write about such a mundane matter to Mrs. Skottsberg at this trying time. If she cannot handle the publication of this work in Sweden, Mrs. Degener & I shall try to rescue it from this side of the World.

The Dole Pineapple Corp., asked for about two weeks' notice before our appearance on Lanai. As the house we shall rent is unfurnished, we must arrange to ship the minimum of furniture (including our refrigerator) by pineapple barge, the date of transportation more or less depending on rapidity of ripening of the crop. We are very much excited at the unprecedented opportunity to rent a house as headquarters on this island for three months, perhaps even longer if our jeep gas expense does not eat up our funds.

We consider NSF funds as a "grant in aid," not meant to absorb 100% of the expense of the project. Whatever we can afford, this depending on our luck with rental units, being plowed into helping along with the Flora Haw.

Many thanks again.

Aloha,

7/10/63

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D.C.

July 10, 1963

AIR MAIL

Dr. Otto Degener
Waialua, Oahu, Hawaii

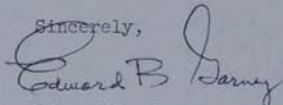
Dear Dr. Degener:

Thank you for your letters of June 26 and June 28, 1963. Sorry the previous material was so long reaching you. In the future we will attempt to send all mail to you by air mail. However, in mailing out material to almost 1,000 grantees there may be an occasional slip.

I send you greetings from a member of my car pool, Dr. Donald C. McGuire, who came to the Foundation about a year ago after spending twelve years at the University of Hawaii. He remembers you well.

If any further assistance is needed in finance^{on} for reporting this grant, please write to us.

Sincerely,


Edward B. Garvey

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D.C.

July 12, 1963

AIR MAIL

Dr. Otto Degener
68617 Crozier Drive
Waialua, Gahu
Hawaii

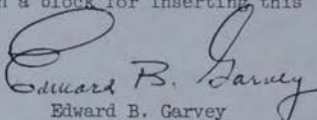
TO: All NSF Grantees

This memorandum is being sent to all grantees participating in the National Science Foundation's revised Grant Payment Plan. The details of this plan are described in the "Grant Accounting Instruction Manual for Grantee Institutions," previously sent you.

Each grantee account being maintained by the Foundation has been assigned a state and institutional code number. The name of your institution, the address, and the code number as they appear on the records of the Foundation are as follows:

Dr. Otto Degener	Waialua	Gahu	Hawaii	021 IND
------------------	---------	------	--------	---------

To facilitate the processing of the cash requests and reporting forms submitted by you, it is requested that the above seven digit code number be inserted on each document hereafter submitted. NSF Form 4-51, Grantees Quarterly Expenditure Report, is frequently comprised of a face sheet plus a number of continuation sheets. In such cases only the face sheet bearing the signature of the grantee need have the seven digit symbol affixed. Samples of each of the three forms are attached. These samples show the location where the state and institutional code number should be inserted. Future printing of the form will contain a block for inserting this information.


Edward B. Carvey
Finance Officer

Attachment

REPORT FOR QUARTER ENDED:

FROM (name & address of institution):

Dr. Otto Seegener, Waiakua,
Oahu, Hawaii. 02114D

GRANT NUMBER	AMOUNT OF AWARD	EXPENDED END OF PREVIOUS QUARTER	EXPENDED THIS QUARTER	TOTAL EXPENDED	UNEXPENDED BALANCE
GB-879	2000.-	146.38	1,415.99	1,562.37	437.63
<div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p><i>NSF</i></p> <p><i>Total</i></p> <p><i>Oct 1563</i></p> <p>1.85 3.62</p> <p>Postage 97.15 -</p> <p>Equip 43.13 -</p> <p>Proc 295.54 -</p> <p>Wong 75.21 -</p> <p>Maint 45.95 -</p> <p>Rent 387.00 -</p> <p>Lease 257.17 -</p> <p>Baggage 244.44 -</p> <p>Taxes 90.40 -</p> <p>437.63 *</p> </div>					
TOTALS (of this page only)	2,000.00	146.38	1,415.99	1,562.37	437.63
TOTALS (of all pages when more than one)					
LESS:	CASH ON HAND - END OF QUARTER <i>Oct. 15, 1963</i>				437.63
	NET BALANCE DUE				<i>None</i>

SIGNED

TITLE

DATE _____

NSF FORM 451
NOV 1961

GPO 942525

FORM APPROVED BY THE COMPTROLLER GENERAL, U.S. 9-61

7/12/63

NATIONAL SCIENCE FOUNDATION WASHINGTON 25, D. C.				Page <u>1</u> of <u>1</u> Pages	
GRANTEES QUARTERLY EXPENDITURE REPORT				REPORT FOR QUARTER ENDED: <u>May 15 - June 30, 1963</u>	
TO: National Science Foundation ATTN: Finance Office Washington 25, D. C.			FROM (name & address of institution): Dr. Otto Degener 68617 Crozier Drive, Waiialua, Oahu, Hawaii. <i>Copy</i>		
We hereby submit the required grant expenditure data, covering the quarter year ended as per above date.					
GRANT NUMBER	AMOUNT OF AWARD	EXPENDED END OF PREVIOUS QUARTER	EXPENDED THIS QUARTER	TOTAL EXPENDED	UNEXPENDED BALANCE
GB-879	\$2,000.00		146.38	146.38	\$1,853.62
(at beginning of Grant GB-879 on May 15 I purchased equipment in Honolulu to the extent of \$146.38, believing the \$2,000 was in the mails on its way from Washington to me in Hawaii. Instead the "Grant Accounting Instructions for Grantee Institutions" and other pertinent papers did not arrive until June 25 under a Government frank by slow surface mail. Hence I am presently \$146.38 in the red.)					
TOTALS (of this page only)			146.38	146.38	\$1,853.62
TOTALS (of all pages when more than one)			146.38	146.38	\$1,853.62
LESS:		CASH ON HAND - END OF QUARTER			
		NET BALANCE DUE			\$2,000.00

FOR NSF USE ONLY
REPORT AUDITED AND RECONCILED
DATE

NSF FORM 4-51
NOV 1961

GPO 942525

I certify that the above data is true and correct, and was obtained from the official accounting records of this institution.

SIGNED

Dr. Otto Degener

TITLE

Grantee + Principal Investigator

DATE

June 25, 1963.

FORM APPROVED BY THE COMPTROLLER GENERAL, U.S., 9-61

7/12/53

GRANTEES
MONTHLY CASH REQUEST

June 25, 1963.

Date _____

TO: National Science Foundation
ATTN: Finance Office
Washington 25, D.C.

FROM: Dr. Otto Degener,

68617 Crozier Drive,

(Grant GB-879)

Waialua, Oahu, Hawaii.

We hereby submit our cash requirements to cover anticipated expenditures relative to all NSF grants awarded and currently outstanding for the above institution for the month of May 15 - June 30, 1963.

ANTICIPATED CASH EXPENDITURES \$ \$146.38

LESS: ESTIMATED CASH BALANCE ON
HAND AT END OF CURRENT MONTH \$ \$2,000.00 *

CURRENT CASH ADVANCE REQUESTED \$ \$146.38

~~*Actually the \$2,000 has not yet arrived in the Hawaiian Islands)~~

SIGNED _____

TITLE _____

FOR NSF USE ONLY	
REQUEST AUDITED	REQUEST APPROVED
DATE	DATE
SCHEDULE NO.	

NSF FORM 4-49
AUG 1961

FORM APPROVED BY THE COMPTROLLER GENERAL, U.S., 9-61

*Amounts anticipated for expenditure shall not include requests under matching fund grants until the matching requirements have been met.

U 11
7/12/63
Waiialua, Oahu, Hawaii.
June 26, 1963.

Mr. E.B. Garvey,
Finance Officer,
Nat. Science Foundation,
Washington 25, D.C.

Dear Mr. Garvey:

Many thanks for the "procedure" and other pertinent literature which arrived by mail yesterday.

You have asked, in your form letter, for the name, address and 'phone number of those persons whom ^{you} we should contact in the event of questions regarding to the forms we submit. I fear there is no one excepting myself at the above address. Do please, however, note that correspondence should be by air mail. Hawaii is so far distant from Washington that your franked procedure apparently arrived by slow steamer mail with Ford, Gears and other mail order catalogs.

About a week after receiving NSF funds from your Office, Mrs. Degener & I should be settled on the private, Dole Pineapple Corporation owned Island of Lanai for our researches. The Waiialua post office will have our regular change of address to Lanai. Air Mail is flown to the Island of Lanai daily, but surface mail must depend on pineapple barges that sail between Oahu and Lanai depending on time of harvesting the crop. Surface mail would be very unreliable. Lanai is the sleepy South Seas in some ways, not like Washington, D.C.

In summary, then, do please use Air Mail exclusively, a fact not noted on your franks.

Aloha,

PLANTATION HOUSING, LTD.
INTER-DEPARTMENT MEMORANDUM

Housing

TO: Dr. & Mrs. Otto Degener :

Date July 15, 1963

Received the sum of \$387.00 - rental for 6 months for house
located at 514 Nininiwai Circle, Lanai City, Hawaii.

PLANTATION HOUSING, LTD.

H. T. Nunotani

H. T. Nunotani
Office Manager, Lanai

HOUSING

PLANTATION HOUSING, LIMITED
RENTAL AGREEMENT

1. Name of Tenant: OTTO DEGENER
2. House or Street Number: 514 NININI WAI CIRCLE
3. Location: _____
4. Monthly Rental: 64.50 Refuse Fee: _____
5. Occupants other than Tenant Relationship Sex Age

Plantation Housing, Limited, hereinafter called the "Lessor", hereby leases to the above Tenant, hereinafter called the "Tenant", the Dwelling Unit above designated, at the above monthly rental, and upon and subject to the Terms and Conditions of Occupancy, hereinafter called the "Terms", set forth below. Said Terms may be amended by the Lessor from time to time, every amendment to be effective only during calendar months commencing more than fifteen days subsequent to delivery to the Tenant of a copy of the Amended Terms. The Tenant hereby agrees to pay said rental and observe and perform said Terms.

Date: 7-15-63

Otto Degener
Tenant

PLANTATION HOUSING, LIMITED

By *S. G. Hunt*

TERMS AND CONDITIONS OF OCCUPANCY

The following Terms and Conditions of Occupancy (hereinafter called Terms) are made a part of the Rental Agreement signed by the Tenant.

1. OCCUPANCY OF DWELLING

a. **Conditions of Occupancy** - The Tenant shall occupy and use the dwelling unit covered by the rental agreement as a residence for the Tenant and such members of his immediate family as are named as occupants in the rental agreement, and for no other purpose, except as may be permitted by Plantation Housing, Limited (hereinafter called the Lessor). The Tenant shall comply with all Federal, State and County laws, ordinances, rules and regulations affecting the use or occupancy of the premises and with all rules or regulations now or hereafter prescribed by the Lessor for the safety, comfort and welfare of the occupants of the community within which the dwelling unit is located. The Tenant shall be responsible for the occupants named in the rental agreement, whose acts shall for all purposes hereof be deemed the acts of the Tenant. Upon payment of all charges payable pursuant to the rental agreement and these Terms, the observance of these Terms, the Tenant shall hold and enjoy the use and occupancy of the dwelling unit for the period of the tenancy created by the rental agreement.

b. The premises covered by this agreement are primarily for rent to employees of Hawaiian Pineapple Company, Limited, and Plantation Housing, Limited. If the Tenant is an employee of either of said Companies, his tenancy hereunder may be terminated by the Lessor upon his termination of such employment. If the Tenant is not an employee of either of said Companies, his tenancy hereunder may be terminated if the premises are required for housing of employees of either of said Companies.

c. **Period of the Tenancy** - The Tenancy created by the rental agreement shall be for an initial period from the effective date of the rental agreement to the end of the current calendar month, and shall be automatically renewed for successive periods of one calendar month each, so long as the Tenant shall be in full compliance with the rental agreement and these Terms, unless terminated pursuant to the provisions of these Terms.

2. PAYMENT OF RENT

The rental stated in the rental agreement shall be paid, without demand or billing, at the office of the Lessor in the community in which the rental premises is situated, or such other place as may be designated by the Lessor, on or before the fifteenth day of each calendar month of the tenancy. Rental for periods of less than one calendar month shall be the sum of 1/30th of the monthly rental for each day of the period. If rental shall have been paid for a period subsequent to any termination of the tenancy, the amount thereof, less any sums due to the Lessor, shall be refunded to the Tenant. If it becomes necessary to take action, whether by suit or otherwise, to collect any unpaid bills that might hereafter occur under the terms of this rental agreement, the Tenant shall pay, in addition to the amount of said unpaid bills, all reasonable costs of collection, including reasonable attorney's fees.

3. UTILITIES AND SERVICES

The Lessor shall, to the extent that the supply is available, make arrangements for the delivery of water to each dwelling unit in quantities suitable to the normal domestic requirements.

The Tenant shall pay, as the same become due and payable, all charges for electricity, water, refuse collection and other charges attributable to the premises and the Tenant's use thereof.

July 21, 1963

Dear Mr. Garvey:

It certainly is a coincidence that you know a Kaunao from Hawaii Nei!

Off the record: We flew to Lanai July 15, and have a 3-bedroom house for \$60 per month from the Dole (Pineapple) Corporation. This saves us paying the \$22 per canoe per day price at the only hotel available. Since this house is such a wonderful bargain for us, we quickly rented it with NSF cash for six months.

I want you to share in the joke on us. We shipped by pineapple barge from Honolulu to Lanai camping equipment, blotters, lanterns, household goods etc., to the amount of

1/2 Ton. We expected to pay a freight bill of \$60-100, and were so agreeably surprised to be billed for the ridiculous sum of \$4.41.

The people here are charming, my having mailed Floras ^{gratia} to the ~~local~~ residents proving pretty well to them that we are no play boys but actually produce results.

We are trapped by our hott neck. The island boasts two garages. The one is not recommended at all! ~~The~~ So from the remaining one we are hiring a jeep at \$75 per month, we paying for gas, oil. We are simply scared to drive to the best ^{isolated} collecting areas because the two jeeps available are so horrible. Twice we stalled because of battery trouble (wire ~~loose~~ ^{loose} and ^{no water, no charge}) and other ^{pitiful} ~~trouble~~ like ~~including~~ ^{including} no foot brake which could have resulted in us being "mailed dead." ^{My car accident} We were so upset by ~~jeep~~ ^{jeep} trouble that we phoned the agent in Hon., for price of a new jeep and estimate on time of delivery. He can deliver

pect to see you and your family
back here some day.

Aloha,

Otto Degener

immediately for the price of
\$2,700. Since our grant comes
to \$2,000, we simply cannot
afford this expense. Were we
to purchase a jeep, we have
no guarantee of getting a
reasonable price on its
sale for NSF on our return.
Well, anyway, in one day
we collected four taxa of
Hipochaeris, a ~~new~~ genus *H.*
McGuire can tell you is
endemic except for a
couple of representatives
in the Galapagos.

Sincerely,

Dear Dr. McQuire:

It is interesting to hear from you, and how you can stand I.C., weather. ~~of~~

~~By lying in a car pool~~
~~because no one is probably~~
 squashed between Mr. Garvey & another pool companion you should ^{be able to} stay warm in winter.

July 15 the Bot. Soc., had a Kaena Point field trip. Mrs. Seeger & I had some years ago written an article about the endemics there. This ms., ^{now} printed in the Bot. Soc., News better and so each member had practically a check list before him.

As we see it, since you have lived in Hawaii Nei, we ex-

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

July 29, 1963

Dr. Otto Degener
General Delivery
Lanai, Hawaii

Dear Dr. Degener:

Your recent letter to Dr. McGuire and Mr. Garvey has been turned over to this office for inclusion in your file. It is good to learn that you have begun your work with respect to NSF-GBS79, and we all hope that your program can go forward in a satisfying way. Less happy are we to learn of the difficulties you are experiencing with the local transportation. It is regrettable that something more satisfactory and reliable is not available. The purchase of a new vehicle at a cost something in excess of all available funds in your grant is understandably not a very satisfactory solution to your problem. Though I wish I could make a reasonable suggestion that might solve your problem, I find I can not. However, considering your experience with the reliable garage, I think there may be little lost by investigating the possibilities available through the unreliable garage. In any event you have our best wishes for a successful stay on Lanai and that your project can be concluded satisfactorily.

Sincerely,

Wm J. Riemer

William J. Riemer
Assistant Program Director
for Systematic Biology

AVERTISER PUBLISHING COMPANY, LTD.
COMMERCIAL PRINTING DIVISION
PRINTERS • LITHOGRAPHERS • PUBLISHERS • BUSINESS FORMS

629 POHUKAINA STREET • TELEPHONE 513-151 • HONOLULU 13, HAWAII

August 7, 1963

Dr. Otto Degener
P. O. Box 721
Lanai City, Lanai

Dear Dr. Degener:

We are sending 100 copies of Book 6 by barge as per your instructions. We are shipping these books collect.

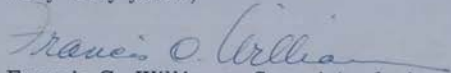
Tom Shootman has left the Advertiser Commercial Printing and is now with Ted Harris of Maui Lithograph, Wailuku, Maui (practically your next door neighbor).

Look him up next time you're on Maui. I am sure he will be happy to see you.

Regarding your letter of June 28, we will be mailing you an estimate as soon as our estimator catches up.

The strike is over at long last, so now we can get back to business. Almost got out of the habit of working after a month and a half!

Very truly yours,


Francis C. Williams, Superintendent
Commercial Printing Division

FCW/en

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D.C.

Office of Science Information Service

December 16, 1963

In reply refer to:
NSF G-22956 & N-1631

Dr. Otto Degener
Mokuleia Beach
Waialua, Oahu
Hawaii

Dear Dr. Degener:

Your proposal requesting publication support for Book 7 of Flora Hawaiiensis is in the final stages of processing by this Program. There are a few questions concerning the proposal which need clarification before final action can be taken. I will list these questions, for simplicity:

- (1) Is the manuscript for Book 7 ready for the printer?
- (2) Are you planning to include material on the Lanai endemics, as mentioned in the last paragraph of the proposal?
- (3) Are there any revisions in your printing estimates since the proposal was submitted?
- (4) If a grant is made, what would the publication date be?
- (5) Will you approve our change of the term of the proposed grant from four years to one year? (One year is the usual period for SSP publication grants for monographs). If you have reasons for needing a longer time period, please state.
- (6) Will you please submit to us an acceptance of the usual NSF recovery clause, which states that "all proceeds from sales during the first three years after publication,

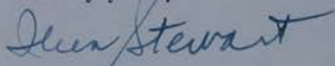
over and above the amount contributed by the grantee or publisher, and up to the amount of the grant, will be returned to the Foundation"?

- (7) What is the proposed sales price per copy for Book 7?
- (8) Can you give us a more thorough breakdown of the Budget Estimate on the last page of the proposal, in particular items (a) and (b)?
- (9) How will the book be marketed in the continental U. S.?

With regard to the recovery clause for Grant G-22956 (Book 6, *Flora Hawaiiensis*), your suggestion of a piecemeal method of refunding to NSF seems complicated and confusing for both parties. Perhaps if I knew what sales you have had already from Book 6, and what you expect in the next two years, I could suggest a simpler method. In actuality, the recovery clause question for Book 6 is probably academic, since your own investment in Book 6 is considerable and must be recovered before NSF can begin to receive returns.

Sincerely yours,

(Mrs.)



Ileen E. Stewart
Assistant Program Director
Support of Scientific Publications

cc: Dr. William C. Steere
The New York Botanical Garden
Bronx Park
New York 58, New York



(Hale Degener)

WAIALUA, OAHU, HAWAII

Dec. 26, 1963.

Mrs. Ileen E. Stewart,
Assistant Program Director,
NSF, Washington 25, D.C.

Dear Mrs. Stewart:

I have your Dec. 16 letter (NSF G-22956 & N-1631) requesting answers to the following nine questions:

- 1.) Is the ms., for Book 7 ready for the printer? Completed ms., for Book 7 is not available, but incomplete ms., is available to print Books 7, 8 and much of 9. Mrs. Degener and I have a small army trunk in which repose, alphabetically arranged, miscellaneous plant descriptions and miscellaneous India ink drawings accumulated since my coming to the Hawaiian Islands in 1922. Among these last we have a full set of Lobeliaceae drawings made especially for the Flora by the World specialist Dr. Wimmer (who died near Vienna recently), critically executed plates by the Cyperaceae specialist Kern (of Leiden), a few plates of Wikstroemia that cannot be printed until Dr. Skottsberg's posthumous monograph appears in print, drawings by Yunker and other specialists, etc. We never print a Book "all in one piece." We have always published our Books in fascicles at frequent intervals, a practice followed in Bot. Beechey Voyage, U.S. Expl. Exped., and similar works dealing with the "Sandwich Islands."
- 2.) Are you planning to include material on the Lanai endemics? Yes, definitely. In fact, Gahnia lanaiensis Degener & Kern will be not only an endemic species in Book 7, but actually one new to Science. We collected it July 23 of this year on Lanai's summit.
- 3.) Are there any revisions in your printing estimates since the proposal was submitted? Hardly. Because the printing prices have risen, we have already decided to reduce our previous expenses by planning to print an edition of the Flora Hawaiiensis of only 1,500 copies instead of the usual 3,000. Enclosed is the printer's quotation in detail. You will know how this compares with Washington prices.

I doubt that I can reduce the cost of making drawings to less than \$20 on the average. Presently I am trying out the 20 year old Hawaiian youth Gerard, permanently paralysed after a diving accident, in a wheel chair, and a welfare case in a hospital on the Island of Maui. The poor fellow can't help himself and so I have had him make two drawings for me at \$10

each. They are not too good as expected at the first try, but there is promise of improvement. In that case, should I take advantage of him and still pay him far less than he deserves simply because he is unfortunate and cannot help himself?

I note Dr. Steere

Dec. 26, 1963.

Mrs. Ileen E. Stewart,
Assistant Program Director,
NSF, Washington 25, D.C.

Dear Mrs. Stewart:

I have your Dec. 16 letter (NSF C-22956 & N-1631) requesting answers to the following nine questions:

- 1.) Is the ms., for Book 7 ready for the printer? Completed ms., for Book 7 is not available, but incomplete ms., is available to print Books 7, 8 and much of 9. Mrs. Degener and I have a small army trunk in which repose, alphabetically arranged, miscellaneous plant descriptions and miscellaneous India ink drawings accumulated since my coming to the Hawaiian Islands in 1922. Among these last we have a full set of Lobeliaceae drawings made especially for the Flora by the World specialist Dr. Wimmer (who died near Vienna recently), critically executed plates by the Cyperaceae specialist Kern (of Leiden), a few plates of Wikstroemia that cannot be printed until Dr. Skottsborg's posthumous monograph appears in print, drawings by Runkel and other specialists, etc. We never print a Book "all in one piece." We have always published our Books in fascicles at frequent intervals, a practice followed in Bot. Beechey Voyage, U.S. Expl. Exped., and similar works dealing with the "Sandwich Islands."
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- 3.) Are there any revisions in your printing estimates since the proposal was submitted? Hardly. Because the printing prices have risen, we have already decided to reduce our previous expenses by planning to print an edition of the Flora Hawaiiana of only 1,500 copies instead of the usual 3,000. Enclosed is the printer's quotation in detail. You will know how this compares with Washington prices.

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each. They are not too good as expected at the first try, but there is promise of improvement. In that case, should I take advantage of him and still pay him far less than he deserves simply because he is unfortunate and cannot help himself?

I note Dr. Steere of the New York Botanical Garden has a copy of your present letter to me. If he relinquishes the 20% institutional charge from the \$18,900 requested, Book 7 would be "normal" in size. If he requires the 20%, Book 7 will be slender indeed and nothing much to be proud of.

4.) If a grant is made, what would the publication date be? The publication date of fascicles for Book 7 would be from the day of receiving the grant until the entire Book has been completed, three or four years hence. It might interest you to know that a fascicle of Book 7 is being published this week, Dec. 31, 1963, with Degener funds, a number of the sheets being listed as "Aided by National Science Foundation." The aid to which we refer is not for printing, but for collecting the plants and having them drawn with NSF funds five or more years ago.

5.) Will you approve our change of the term of the proposed grant from four years to one year? Mrs. Degener and I plan doing four years of work for the sum requested, not just one. We could under pressure in a year slap together available plant drawings and by uncritical reshuffling of antiquated plant descriptions (without consulting herbaria and living plants) produce Book 7 bound in an attractive cover. But to give birth to such a potboiler would be fair neither to us nor to the National Science Foundation. To accomplish good, careful work requires time; there is no short cut. In fact, we are a bit pressed for time as we plan to attend the International Botanical Congress in Edinburgh, consulting herbaria with historical Hawaiian plants as we circle the World. We likewise lost time in our field work on Lanai after living there for three months when I contracted infectious mononucleosis - one of our chief dishes on Lanai was cheap, delicious, raw fish (with soy sauce, mustard and cream crackers) caught fresh off the island daily. An ill fisherman may have handled one of the fish slices which we should have washed before eating. We will be ready to return to Lanai to continue field work late next week. One of our duties is to get better material for a habit sketch of our new Gahnia lanaiensis, a sedge nine feet tall! July was a bad season for it.

6.) I, and Mrs. Degener concurs, agree that all proceeds from sales of Book 7 during the first three years after publication, over and above the amount contributed by us, and up to the amount of the grant, will be returned to the National Science Foundation.

7.) What is the proposed sales price per copy for Book 7? It should be \$10, similar to that of Book 6.

8.) Can you give us a more thorough breakdown of the Budget estimate - -- items (a) and (b)? I believe I have answered this query under No. 3. I might add that we can reduce the expense for drawings by reducing their number and by paying sweatshop prices for the making of drawings that will still be needed. It is a bit revolting to stoop to the latter but if we must, we must.

9.) How will the book be marketed in the Continental U.S.? I simply write leading book dealers (like Stechert of New York, as well as dealers in foreign countries) that the book is available at a 1/3 discount. They then

announce it in their forthcoming catalogues throughout the scientific world without any waste of advertising funds on my part. I, likewise, announce each new book by postcard to previous purchasers, usually libraries, that a new volume has been completed. Locally, of course, the Bishop Museum and the few other existing bookshops carry it in stock.

Regarding the Recovery Clause for Grant G-22956 (Book 6), I unofficially and casually talked with Dr. A.C. Smith, now connected with the University of Hawaii. Knowing the Flora, he thought income from sales would never exceed my original cost. Whether it will be so in three years or not, below are the sales of Book 6 between April 4, 1962 to the present day: (Not familiar with the recovery clause, I did return \$50 to NSF months ago).

Receiving \$10 for each copy sold to individuals and \$6.67 for each sold through bookstores, the sum totals \$916.70. It is actually a little less as I have ignored the postage that I have paid.

Incidentally, each publication of a new Book stimulates the sale of previous Books. Every purchaser of Book 6, purchases all previous Books. Most old purchasers of previous Books, likewise, purchase Book 6 to keep their set of the Flora complete. Consequently, the appearance of Book 6, thanks to NSF at this time, has actually stimulated the sale of ALL of my books, including the one about Fiji. It is for that reason that Mrs. Degener and I are able to print the first fascicle of Book 7, paying the entire printing bill ourselves. As you know, we consider NSF grants aids to publication, not to enable us to save for "riotous living" at the expense of our Government.

With wishes for an interesting 1964, Aloha,

Arthur Degener