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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.

Summit Herbarium & Library Drawer S Balboa Heights, Canal Zone February 9, 1971

Dr. Velva E. Rudd Department of Botany National Museum of Natural History Smithsonian Institution Washington, D. C. 20560

Dear Velva:

In answer to your comment concerning my Acacia species, I am afraid that I must disagree with you concerning Croat 8000 and 10177. Even though I do not have on hand a copy of 10177, I am sure they are different. I call 8000 A. riparia and 10177 A. glomerulosa though I am doubtful of the last name since presumably it is a tree. However, in the Flora of Panama it is reported to be a vine at times. On BCI this taxon is always a distinct vine. They may be separated by the following key characters:

A. Leaflets 3-7 (usually 4-5) mm long, glabrous or with the lower edge nearest the rachis with barbellate trichomes; fruits less than 15 cm long and 2.5 cm wide, conspicuously rufescent

A. riparia

A. Leaflets 9 - 14 mm long, glabrous or pubescent but never with trichomes restricted to lower edge next to rachis; fruits more than 15 cm long and 2.5 cm wide, inconspicuously puberulent

-3,50m

A. glomerulosa.

I would appreciate it if you would let me know if you still think you are correct.

Sincerely,

Thomas Croat Curator

Thomas B. Croat, Washington University Marshall R. Crosby, Washington University Hugh C. Cutler, Washington University John D. Dwyer, St. Louis University
David M. Gates, Washington University
Richard C. Keating, Southern Illinois University at Edwardsville

Walter H. Lewis (chairman), Washington University Eugenia Maddox, Missouri Botanical Garden Duncan M. Porter, Washington University

Summit Herbarium & LIbrary Drawer S Balboa Heights, Canal Zone February 16, 1971

Dr. Velva E. Rudd, Botanist Department of Botany National Museum of Natural History Smithsonian Institution Washington, D.C. 20560

Dear Velva:

I recently collected the second species of Ormosia (with solid red seeds) on BCI. I am convinced now that it is quite different from the species with red and black seeds. The fruiting was essentially over and all that remained were fruit pods, but Robin Foster found only solid red seeds on the ground beneath this tree in his fruit fall studies this year. The key characters I would tentatively use to separate this species from the other are:

A. Fruits usually 1-seeded; seeds red and black, the margin of the valves smooth, lacking a submarginal ridge; leaf blades densely pubescent on midrib and main veins below Ormosia coccinea var. subsimplex (?)

AA. Fruits usually 2-4 seeded; seeds solid red, the valves with a submarginal rib (on open side); leaf blades sparcely pubescent or glabrous on midrib and lateral veins below. Ormosia isthmensis

I seem to have misplaced the specimen of Ormosia panamensis so I do not know that the red-seeded species I collected is not panamensis. Do you know if that 0. panamensis would fit the key characters given above for 0. isthmensis? If not there are three species of Ormosia on BCI.

I will send you some of the red-seeded plant we collected soon though as I say, aside from the vegetation, it is not too good.

I recently collected Aeschynomene americana on the island. I believe it comes and goes. Thus the confusion over why Standley reported it!

Sincerely,

Thomas Croat

Curator

Thomas B. Croat, Washington University Marshall R. Crosby, Washington University Hugh C. Cutler, Washington University

John D. Dwyer, St. Louis University
David M. Gates, Washington University
Richard C. Keating, Southern Illinois University at Edwardsville

Walter H. Lewis (chairman), Washington University Eugenia Maddox, Missouri Botanical Garden Duncan M. Porter, Washington University

THE NEW YORK BOTANICAL GARDEN BRONX • NEW YORK 10458 212/933-9400

February 22, 1971

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

Dear Otto:

I am in terrible haste to give you the information you want so please excuse the brevity of this note.

Thank you indeed for the information and great help you gave me on Kokia. I hope when the proper time comes, with your permission, to mention your name among others who have helped me, in the introduction. Also, if I get stuck again I hope you won't think it too great an imposition if I send you one or two more items on Hawaiian plants.

I have checked the Grey cards and also all the Kew Index and all supplements to see if I could find the combination of Rumex skottsbergii. I also had Miss Hall make a similar check and she confirms the findings.

I appreciate your sending a stamped addressed envelope for reply, but please don't do that again. Postage here is "on the house" you know.

Very Cordially yours,

T. H. Everett Senior Horticulture Specialist

THE:1w

AIR MAIL

Mr. Kare Bremer The Museum of Natural History Section for Botany 104 05 Stockholm 50, SWEDEN

Dear Mr. Bremer:

In 1919-20, P. A. Rydberg published an exhaustive treatment of the Psoraleae in North America, sens. lat. (North American Flora 24: 1-136. 1919-20), with several segregate genera and many species. In recent years, Dr. Duane Isely and his colleagues at Iowa State University, Ames, Iowa 50010, have been working in the Psoraleae, especially the North American taxa. I do not know the exact scope of their intentions but if you like you could write to Dr. Isely.

Have you considered other genera of the Leguminosae? A revision of the genus <u>Clitoria</u> would make a nice thesis project. The South American species especially need study and I think we have a couple of Colombian species that Mr. Killip marked as new but never did publish.

I shall be interested to know what you decide and will be glad to lend you our material.

Sincerely yours,

Velva E. Rudd Botanist Department of Botany

VERudd/chl

NATURHISTORISKA RIKSMUSEET
SEKTIONEN FÖR BOTANIK
104 05 STOCKHOLM 50

THE MUSEUM OF NATURAL HISTORY
SECTION FOR BOTANY
104 05 STOCKHOLM 50, SWEDEN

Stockholm 26.2.1971

Dr. V. E. Rudd
Dept. of Botany
U. S. National Museum
Smithsonian Institution
Washington DC. 20560

When I visited London earlier this year I was told by Mr. R. Polhill at Kew to seek your advice in the following problem. I have been thinking of taking up Psoralea or at least parts of the genus for monographic treatment for my Ph.D. Since my interest is concentrated mainly to the floras of the southern hemisphere I wonder what role North America plays in this genus. Is there a recent treatment or someone working on North American Psoralea? Roughly how many species are there in North America? Are the North American species different enough to be separated into a section or a genus of their own? Are there any difficulties in defining the genus against related North American genera? I would be most grateful if you could help me with some information on these questions.

Yours sincerely

Kåre Bremer

AIR MAIL

Dr. Thomas B. Croat Summit Herbarium and Library Drawer S Balbos Heights, CANAL ZONE

Dear Tom:

I finally located an extra copy of Britton & Killip's "Mimosaceae and Caesalpiniaceae of Colombia." It is a little difficult to use because of all the segregate genera that are recognized. In later years Mr. Killip admitted that they might have overdone the splitting.

Now to answer your questions, but first, where do you get the name Acacia glomerulosa? Do you mean A. glomerosa Benth.? I notice we also have some sheets as "glomerata", another slip of the pen by someone. I have looked at your 8000 and 10177 again, as well as the key you sent. I will agree to 8000 as A. riperia H.B.K., ex char. We have had a motley collection of things so named, but with H.B.K. description in hand I have winnowed out the least likely specimens.

As to your 10177, I favor the name A. hayesii Benth. rather than A. glomerosa, but would prefer to reserve judgement until you get better material, with mature leaves, flowers, and fruits attached to the specimen rather than collected from the ground. In your key for "glomerulosa" you give the fruit width as 2.5 cm., but our specimen has pods to 3.5 cm wide.

The reason I said you could call both specimens A. riparia for the time being was, that considering the odds and ends in the folders, it was hard to say which were most or least correct.

What appears to be a leaflet of <u>Ormosia panamensis</u> was found on the floor after you left. You will find it in the enclosed Britton & Killip publication between pages 150 and 151. To answer your <u>Ormosia</u> questions, I am enclosing an extra copy of my paper which I found lying around and a few pages of rough draft of the treatment I have submitted to North American Flora.

Here are a couple more name changes for you that I have come across:

8203. Erythrina fusca Lour. (E. glauca Willd.) 8707. Albizia guachapele (H.B.K.) Dugand (A. longepedata (Pittier) Britt. & Rose). Best of luck with the collecting.

Sincerely,

Velva E. Rudd Botanist Department of Botany

Enclosures

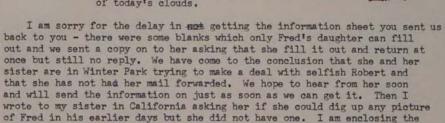
VERudd/ehl

A. G. Seaver
P O BOX 254
CEDAREDGE COLORADO 81413

High in the Rockies On the doorstep of Heaven April 11, 1971

A BRIGHT AND HAPPY EASTER GOOD MORNING -- to the
Degeners.

Success - to be able to make tomorrow's sunshine out of today's clouds.



The only picture of Fred we can scare up is one taken of him and me three years ago when we were in Winter Park and I doubt if this will be anything like what you want - you could block out my picture and perhaps get one of Fred only. Then my son In Denver has a picture of us four boys taken along in im 1895 which is very good and it is possible that you could block out the three of us and have a real good picture of Fred when he was a very young man. If you want this Iwill try to get it and send it along.

letter she sent in reply - not that it has any special information in it that you may want but just to show you what kind of a letter a 97 year old woman can write. The way she is going I would be surprised if she did not

make the 100 mark before she gives up.

Sorry for this delay which I can assure you was not on my part for I acted immediately on getting the sheets of questions from you.

Springtime is now well on the way, the creek is booming, the buds are swelling, the birds coming back and all nature is waking up from its long winter sleep. Our friends in New Zealand tell us that it is now fall in their land and winter is coming on - how wonderful!

You say you have your paper ready to send in and if I can get anything of interest you may be sure I will send it on even though it may come to you to late to use.

Sincerely,

A. G. and Rems

P. S. Please return any papers concerning Fred when you are through with them. As you no doubt have gathered, I am not very much for keeping old pictures or antiques of any kind - my mind seems to be still running far into the future - sometimes I am sorry for my neglect as in this case.

What a wonderful world we have in which to live! "He causeth the grass to grow for the cattle, and herb for the service of man: that he may bring forth food out of the earth." Psalms 104-14

A. G. Seaver
P. O. BOX 254
CEDAREDGE COLORADO 81413

High in the Rockies On the doorstep of Heaven March 11, 1971

ANOTHER BRIGHT, SPRINGLIKE GOOD MORNING
to the Degeners
As long as life lasts it is our duty to put on
full steam and go ahead.



When I wrote you last I neglected to thank you for your kindness in sending me the article about Fred and his picture which is a very good one - thank you very much. It is a pleasure to show the article to some of our friends and let them know that I really had a very smart brother. How different we were from each other - he was all for study and I was all for trading. The retail end of business did not appeal to me for I wanted to sell in wholesale lots, carloads preferred and let others take care of the retail end of things. I am sure Fred would never have made a success in selling any more than I would in trying to be a student and scholar like he was. There is a place in this world for every person but so many fail to find the place that was meant for them. I am not sure I found my place but I do know that I found happiness all along the long path of life which I have lived so far.

Have had two or three letters from Fred's daughters since he passed away and in the last one they said they were going to Winter Park to try to buy the old house from Finetta's son. When Fred was living he had the house appraised and the appraisal was \$17,500.00. Now the son wants \$35,000.00 for it and it seems that in some way Fred's heirs are still entitled to half of the value of it. So it looks as though by doubling the former appraisal price the son would get the full value if he charged the girls \$17,500 for his half - the miserable old Shylock!

When Fred and I were both barefoot lads we had two cows and each of us had to milk one. In the frosty fall mornings our feet would get very cold walking to the pasture where we did the milking so we would each stir up his cow and then stand where she had lain to warm our cold feet. One morning when we were both milking and our cows were about ten feet apart I asked Fred to let me see if I could squirt a stream of milk into his bucket so he consented. Just because the stream hit him square in the face and ran down his neck he claimed I did that on purpose - How was I too blame if my aim missed the pail? At any rate he watched his chance and when I was tending to my milking he let me have a full dose right down my neck - I know he did that on purpose and he was honest enough to tell me that he did it just to pay me back for what I did to him.

One of Fred's daughters has asked me to write up something about Fred's early boyhood days so if you don't want what I wrote, you might mail it back and I will send it to them as it is too long to copy.

Fred would have been 93 on the 14th of this month had he lived.

Sincerely,

"Old A. G." and Rena

What a wonderful world we have in which to live! "He causeth the grass to grow for the cattle, and herb for the service of man: that he may bring forth food out of the earth." Psalms 104-14

A. G. Seaver O. BOX 254 CEDAREDGE COLORADO 81413

High in the Rockles On the doorstep of Heaven February 10, 1971

A GLAD TO BE ALIVE GOOD MORNING -- to the Degeners Weeds grow without care - the beautiful and the useful demand careful cultivation.



Thank you for your letter of January 21st which I have just read again with much interest - you can surely get a lot on a little sheet. To me there seems to be a big hole in Florida since Fred is no longer there. We did not see him often but we knew he was there and getting along all right and that was sufficient - now things are changed. Fred's remains were buried in Palm Cemetery, Winter Park, Florida.

We are quite sure that Fred and Finetta were very happy together and Fred surely did his best to take care of her during her long sickness and often went to see her even though she did not know him. The son Robert showed no love for his mother during her last years in the hospital. It is not our part in life to judge others but from what I have observed during my long life time it would seem that in the long run we take out of this world about what we put into it. Some of us are greatly overpaid in good

things I am sure for we get so much more than we deserve.

There is no doubt I could fill a book covering the days when Fred and I were very small boys - probably no two boys in the same family could be more different from each other. He was all for books and education while I was just a wild Indian of a boy and a born trader. When the family was eventually broken up and both parents in their graves Fred and I parted ways and in the last phone visit I had with him he remarked that while we had followed different roads through life we had both made our way even though we started out in extreme poverty. I considered that a great compliment coming from Fred and knowing me as he did. If making money could be called success then I have been successful but to me money is a far cry from real success. Fred's name will live long after mine is entirely forgotten - he was successful.

You surely got a low transportation fare to Germany and we are glad Isa could make a visit to her parents. They like the rest, of us will not always be here. However I can tell you about a low rate from Honolulu to Los Angeles that would be hard to beat. We had given two of our nieces a trip to Hawaii on a tour with some twenty others. They wanted to stop over in Los Angeles but they could not get a stopover on the United which was the route the touring party took so our tour agent changed them over to the Pan Am and left them in the proper waiting room and went back to his party. For some reason there was a delay of over six hours and the naeces landed in Los Angeles late at night. We were surprised to get a check for \$240.00 refund from the Pan Ata, the full fare for each of them. Hope the

two of you can make the trip next time.

The Dr. Teale I asked about is a Naturalist and has written four very interesting books on the seasons, commencing each one in the far south and following the seasons as they advance across our country. Just thought perhaps you might have met him.

Will see what I can work up about Fred, our early days and our family - but remember I am not writer - just an old salesman so at best it will not be much.

Sincerely,

("Old A. G.") What a wonderful world we have in which to livel "He causeth the grass to grow for the cattle, and herb for the service of man: that he may bring forth food out of the earth."

Dear Mr. & Mrs. Seaver:

Your letter was forwarded from our Cahu beach place here to Volcano. Enclosed is your most interesting sketch of recollections.

I just about finished Fred's biography and then Isa & I were fied-tracked by our dentist giving Isa a kukui lei of unusually small "nuts." These are really seeds, nothing more. So we snooped eround not like a Shylock but a Sharlock Holmss and now know where these trees grow. We have been writing an article about this find, naming this unusual kind of plant a new variety. We are not quite ready to offer the ms., for publication until we can tis up some loose ends.

Please help us with the "loose ends" of the Seaver story so far as you know them. Here they are:

- 1. Your father's first name. Joshua Marchall
- 2. Is it correct he had only two daughters by his first marriage? I met them in the '20s with their mother when they came upstairs into the her-barium room. Fred introduced me to them. yes. Hartense E. Hewitt and
- 3. His first wife's first name. Hotherse Bernice Blackmon
- 4. How many grandohildren? any Great-Grand-children? Two, both adolated by the daughter Hoxense 5. What was the name of Finetta's physician husband? Heller
- 6. Did Finetta have only this horrible Robert? Yes
- 7. My sister & I visited Fred & Finetta several times in the New York City suburb spartment. Was it New Rochelle or White Plains or where? I have forgotten, and my sister died five years ago. (Ise & I visited Fred & Finetta in Winter Fark in their beautiful home not her from a lake.)
- 8. Fred & Finetts were early school chume. Were they classumetes? Fes it in school in Springfield, Fort Dodge or Manson? He We do not know
- 9. Here at Volcano we have no Atlas. Is Monson in Ills. or Iowa? Wawton Jawa
- 10. Do you know Finette's maiden name? The
- 11. That photograph of Fred I mailed you is certainly excellent, but by this time it is too well known to reprint it. In your collection of ramily pgotos have you not one of Fred & you, perhaps taken during your teens in front of the Seaver Farmhouse, we should so much like to print it.
- 12. By the way, how should you be mentioned? A retired wholesalesman for. Dupont or what? Retired wholesale distributor for Du Pout fabrics.
- 13. Any idea when Fred & Finetta were married? Sefetember 194/
- 14 Are you the only survivor of your perent's nine children? 96 last Decays No. a sister, Nettle Detrick in alhambra California

Please remember that there is always a nasty possibility; When I mail, what has taken some days to prepare, to the Editor of a botanizal magazine, he may refuse to print the article. Also, if he agrees to print it, he may do so only on condition that he changes the wording or cuts out a lot of paragraphs to shorten the article.

I am hoping, with a photograph of "Fred & Arthur Seever," the entire article will fill 2 - 3 pages.

Isa & I send you both our sloha, we hope you will come to Haweii soon again.

Sincerely,

HERBERT H. LEHMAN COLLEGE

BRONX, NEW YORK 10458

DEPARTMENT OF BIOLOGICAL SCIENCES

(212) 933-6000

April 16, 1971

AIR MAIL

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

Dear Dr. Degener:

Thank you for offering the obituary you prepared of Dr. Fred Seaver to the Club for publication in the Bulletin. We would be very pleased to publish it, with or without the photograph you hope to get. Dr. Clark Rogerson is currently in touch with Dr. Seaver's daughter regarding a suitable photograph for Mycologia, and if need be, we can use it, too.

If you would please send the text (in duplicate, if possible) to this office, I should be most grateful.

Sincerely yours,

Gily E. Bard

Gily E. Bard, Editor
Bulletin of the Torrey
Botanical Club

GEB:HL

Ordered 100 capies

Dear Brof Bard:

I just received your April 16, letter, and herewith enclose Dr. Seaver's necrology. Do, please, have the printer return the photograph to me so that I can mail it back to his brother Arthur/

I regret I cannot mail you a carbon copy - I am too lazy to type everything over again—until I get to a xerox machine in the city of Hilo, thirty miles distant. I shall then be able to keep a copy of the article for myself just in case the ms., should get lost in the mails between Hawaii and N.Y.C.

I do hope Dr. Rogerson will include Dr. Seaver's extensive bibliography - I guess that would be most appropriate for "Mycologia."

I did mail a short article to Dr. van Steenis in Leiden months ago about Dr. Seaver (because of his tropical research), but do not know if it ever appeared in print. We only have first class mail forwarded here to us at our mountain cottage.

Poor Seaver had a happy, busy life punctuated with tragedy. Finetta was a brilliant, most congenial lady who, in advanced age, was for years in a nursing home unable to recognize Fred. The less I say of the stepson, the better. I thought this part of Dr. Seaver's family life could be omitted.

I hope the necrology can appear soon, as NOW it is timely.

If you MUST write me anyway, do explain the change of name of Hunter College! I lived at Pickwick Arms with my late sister (a chum of Finetta) for two years, and later for two years in Bot. Gard. Arms opposite the RR. Station. Hence "Hunter College" was somewhat familiar to me. Who WAS Hunter? Was Lehman a member of the German-Jewish banking family, and did he help the college during some financial crisis? It seems so curious to demote Mr. Hunter, whoever he may have been.

Aloha,

Waialua, Oahu 96791. April 17, 1975.

Dear Dr. Hoes

Many thanks for your letter, and the editing. The editor, however, should have signed his name.

In a way, the past articles are now ancient history, and we are on new projects. Luckily, we stall have time to make some changes when proof arrives for correction.

There are always differences of opinion. For example, we inserted citations in body of text to save space and hopefully printing costs. Regarding Wilbur, we had noticed St. John's abbreviation of the name, but did not follow this usage: We see no reason for abbreviation for an as yet internationally little known (?) name - in fact, I checked to make sure whether the name was spelled "Wilber" or "Wilbur." Moreover, why abbreviate a name just to save one letter of print and replace another with a period? In fact, if his abbreviated name were to come in the middle of a sentence, we would replace U with a period and R with a comma! It seems a bit pedantic. Of course people are not necessarily consistent.

Our Association might save postage and attract some foreihn subscribers if we were to insert any surplus Newsletters you may have in the same envelope with our Leaflets.

Thanks again.

Aloha,

Free ___ [77] 23 [71]

CONVEYANTES

EAND HANAUEHENT STATE PARKS

JOHN A III INS

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O BOX 621 HONOLULU HAWAII SGEOS

April 21, 1971

-2-

Planning Department County of Hawaii 25 Aupuni Street Hilo, Hawaii 96720

INFORMATION COPY

Conservation District Use Application

APPLICANT: Bernice P. Bishop Estate 519 Halekauwila Street Honolulu, Hi 96813

FILE NO:

HA-71/4/16 - 192

REQUEST:

Logging (Hapuu Harvesting)

LOCATION: Kulani, Kilauea Crater

TAX MAP KEY: 9-9-01:07

PUBLIC HEARING REQUIRED: Yes x No

Your comments regarding the request will be greatly appreciated at your earliest convenience. Should you require additional information on the application, please contact our Planning Office. If a public hearing is required, you will be informed of the time, place, and date.

Down Light.

BOARD OF LAND AND NATURAL RESOURCES

SUNAO KIDO

Chairman and Member

attach.

Dept. of Land & Natural Resources State of Hawaii P. O. Box 621 Honolulu, Hawaii 96809

THIS SPACE FOR DEAR USE ONLY
Date Application & Fee Received by DLNR:
Date Application Acted Upon by Board, DLNR:
Zone Map No to Nove Comment
File No. 10 10 100 - 150

USE APPL	ICATION WITHIN THE C	CONSERVATION DISTRICT	
(Mr) (We) here	by request <u>logging</u>	(hapu'u harvesting)	_use(s)
of land(s) within	the Conservation Dis	trict in the County of	of
Hawaii	. Island of Hawa	ii, Conservation	District
		W. 100 (T.), ide	
Tax Map Key 9-9-	01-07 and	consisting of	Φ
and/or _ 2,956+	acres.		9
APPLICANT'S INTERE	ST IN SUBJECT PROPER	TY: (Check One)	
Fee x Le	ssee Sub-Lesse	e · Other	
PROPOSED PRELIMINAL	RY_PLAN:		
(Attach propo	sed preliminary plan	as Attachment "A")	
PROPOSED CONDITIONS	OF USE:		
	t(s) describing use ditions and/or stand t "B")		
PROPOSED DEVELOPMEN	im coupping D.		
		2.22	
Attachment "(sed development sche	dule sheet(s) as	
FEE:			
The state of the s		1	
	Signature(s) O	WNER: Bernice P. Bish	op Estate
- 3,		By: los & Morry	
		Its General Supe	
	Address:	519 Halekauwila Honolulu, Hawaii	
	Telephone:	531-1684	
	Date:	April 15, 1971	

DLNR FORM 1 Rov. 11/15/68 April 14, 1971

'71 APR 16 PM 3::

Department of Land & Natural Resources State of Hawaii P. O. Box 621 Honolulu, HI 96809

& MATURAL RESOURCES STATE OF HAWAII

Tectur - p 4/

Gentlemen:

Use Application Within Conservation District, Kilauea Forest Reserve, Keauhou, Kau Garden (L of Wally James Lane)

We enclose for your consideration, the original and two copies, together with attachments therefor of "Use Application Within The Conservation District," and a check for the application fee in the amount of \$10.00.

With reference to said application, we offer herewith for your information, circumstances that have resulted in this request for permissive use. In 1966, Niu Nursery, Ltd., in its attempt to secure a continued source of hapu'u for its operations, did negotiate with this Estate for harvesting rights within the Kilauea Forest Reserve. As a result thereof, the Trustees, by letter dated August 11, 1966, did enter into a license agreement with said nursery, subject to appropriate governmental approval of such operations. In preparing for eventual operations, the Licensee did secure permission from you to cross and use for access purposes a section of the proposed Wright Road Extension, such permission being granted under date of May 19, 1966. Said Licensee is now prepared to proceed with such harvesting of hapu'u and we hereby request, on its behalf, your favorable consideration to such permitted use.

Please be advised that, due to the nature of the proposed use, we have not attached a "Proposed Preliminary Plan" as it is our understanding that such implies renditions, schematic layouts and plot plans for the contemplated construction of improvements.

519 Halekauwala Street • Mailing address: P.O. Box 34ce • Honololo, Hawaii 96801 • Telephone 531-1684 • Cable, PADALR

April 14, 1971 Department of Land & Natural Resources Page Two

We enclose as Attachment A, a copy of our License No. 27 to Niu Nursery, Ltd. which details the terms and conditions of such operations. In addition thereto, Niu Nursery has stipulated that only mature trees will be harvested, fallen and dead logs will be salvaged and used, no growing tops will be taken and all young and immature trees will be retained to help in regeneration.

Attachment B, a map showing the Kilauea Forest Reserve outlined in red, indicates thereon the four blocks of approximately 700 acres each proposed for harvesting. Block I would be harvested first and anticipating annual harvesting of 100-150 acres, harvesting within Block II would be deferred for 5 to 7 years.

Should you desire additional information or if we can be of any assistance on this matter, please contact either Mr. Norman K. Carlson of our Kona Brach Office or Mr. Roy Fernandez in Honolulu.

Very truly yours, .

A. K. Wood, Manager Land Department

. RVF:cs

cc: Niu Nursery, Ltd. Mr. Norman K. Carlson

August 11, 1966

License No. 27

Niu Kursery, Ltd. 297 Fambale Road Honolulu, Hawaii 96019

INFORMATION COPY

Gentlemen:

License to Harvest Hapu'u, Lot E Kilauea Forest Reserve, Keauhou, Kau, Hawaii

At their meeting of July 14, 1966, the Trustees of this Estate voted to grant you a license to harvest hapu'u (Cibotium chamissoi and C. menziesii) in Lot E. area 2,956 acres more or less, Kilcuea Chaked Porest Reserve, Kcauhou, Kau, Hauaii (portion of L. C. Av. 7713, R. P. 4475, Ap. 11 to V. Kamamalu), as shown outlined in red on the attached sketch, on the following terms and conditions:

- 1. Term. Twenty (20) years commencing July 1, 1966, and continuing thereafter subject to termination by either party on not less than 24 months' prior written notice to the other party.
- 2. Remuneration. Licensee shall remunerate the Trustees for the granting of this license (such remuneration being herein called "rent") as follows:
 - (a) For each and every month during the first five (5) years of said term minimum rent of SIMTY-TWO BOLLARS (\$62.00), plus additional rent in an amount equal to Three Cents (\$0.03) per cubic foot of all hapu'u in excess of Two Thousand Sixty-Seven (2,067) cubic feet harvested by Licensee in said Lot E during each month.
 - (b) For each of the following five (5) year periods of said term commencing July 1, 1971, 1976 and 1981 respectively, and for each successive 5-year period

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Attachment A

Niu Nurscry, Ltd.

after June 30, 1936 (should this license remain in effect after said June 30), said minimum monthly rent of \$62.00 and such additional monthly rent as shall be agreed upon in writing by Licensee and the Trustees at least ninety (90) days before the commencement of each such period or, if they fail to so agree, as shall be determined by appraisal.

- (c) All said minimum rent shall be payable in advance on the first day of each and every month during the continuance of this license, and all said additional rent (if any) shall be payable on the 15th day of the next succeeding month and shall be accompanied by a statement showing the computation thereof. All said rents shall be payable to the Trustees at their office in Honolulu in lawful currency of the United States of America, in menner aforesaid, without any deduction and without any notice or demand.
- (d) In case the real property taxes on said Lot E, and any improvements constructed thereon by Licensee, for any calendar year during the term of this license after the year in which said term commences shall exceed said taxes for the calendar year in which said term commences, Licensee will promptly pay to the Trustees, on demand and as additional rent, the sum equal to such excess; provided, however, that upon termination of this license any such excess payable by Licensee shall be promated to the date of such termination.
- 3. Area and Extent of Operations. Licensee shall harvest hapu'u only from such areas within said lot E as shall be successively designated in writing by the Trustees or their agents; provided, however, that such designations shall be made to accommodate the reasonable needs and convenience of Licensee. Licensee shall within such designated areas, harvest all merchantable hapu'u whether standing or fallen.
- 4. Observence of Laws. Licensee will at all times during said term observe and perform all laws, ordinances, rules and regu-

Miu Mursery, Ltd.

HERAL CORRESPONDENCE

lations now or hereafter made by any governmental authority for the time being applicable to said Lot E or any improvement thereon or use thereof, and will indemnify the Trustees against all actions, suits, damages and claims by whomsoever brought or made by reason of the nonobservance or nonperformmuce of said laws, ordinances, rules and regulations or of this paragrapa, and shall be solely responsible at its own empense for obtaining any governmental zoning, classification, approval or coasent necessary for or in connection with the use of said Lot E hereunder.

Access. For purposes of access to and from said Lot E, Licensee may reasonably use the thirty-foot (30-ft.) road 5. reserve over and across the Easterly boundaries of Lots C-1, G-2 and D (presently demised under Bishop Estate Leases Nos. 14,958, 14,959 and 14,359 to William Wehrsig, Philip C. Meyer and Philip C. Meyer, respectively) as shown outlined in green on attached sketch; provided that Licensee and the lessees of said lots shall first mutually agree as to the proration of any costs of maintaining said road, and Licensee shall thereafter pay directly its share of such costs. Licensee will not accept an offer of access to Lot E over land owned by the State of Hawaii without obtaining the identical right of access for the use of the Trustees, their agents and assigns.

- Rosds. Licensee may construct roads upon said Lot E in pursuit of its operations under this license andmay obtain aa 6. material to be used in such construction from borrow pit(s) on land presently under Bishop Estate Lease No. 11,777 to C. Brewer and Company, Ltd., adjacent to and on the Westerly side of said Lot E, and Licensee may also construct similar roads upon said adjacent land to obtain access to and from said pit(s) and said Lot E; provided that Licensee shall mine as only from borrow pit(s) in location(s) upon said adjacent land as designated by said lessee. Licensee will permit the Trustees, their agents and assigns to use all such roads.
- Structures. Licensee may, upon written approval of the Trustees (which approval will not be unreasonably withheld) and 7. of any governmental authority having jurisdiction, construct such sheds and other structures on said Lot E as shall be

Niu Nursery, Ltd.

reasonably necessary for its operations under this license, and will maintain all such sheds and structures in good order and repair. Upon the termination of this license, Licensee shall have the right, if not then in default hereunder, to remove all such sheds or structures from said Lot E within 60 days after such termination, and if the Trustees shall give timely unitten notice to the Licensee so to do, Licensee (whether or not in default hereunder) will so remove such sheds and structures; all of the above to be at Licensee's expense.

- 8. Books, /ccounts and /mount Reports. Licensee will keep in a creditable manner and for a period of not less than five (5) years a permanent and accurate set of books and accounts in accordance with approved accounting practice in its operation under this license, together with all supporting records, and will also permit the Trustees and their agents to audit said books, accounts and records at all reasonable times. On or before /ugust 1 in each and every year of the existence of this license after 1966, Licensee will prepare and forward to the Trustees a written report showing in true and accurate detail Licensee's costs of operation and return realized under this license during the preceding year (July 1 to June 30), including (but not limited to) costs of harvesting and shipping happ'u and of constructing and maintaining roads (both on and off said Lot E).
- 9. Reservation of Trustees' Interest. The Trustees expressly reserve from this license all rights and interest in and to said Lot E not herein specifically granted to Licensee.
- 10. Forest Fires. Licensee will, at its own expense at all times during the existence of this license, take all reasonable proceutions to prevent forest fires from occurring on said Lot E and on other Bishop Estate land subject to this license, and if such fires occur it will use all reasonable means within its power or under its control to have such fires speedily extinguished.
- 11. Intiquities. Licensee will promptly notify the Trustees upon its discovery on Bishop Estate lead of any and all entiquities, including all specimens of Hawaiian or other ancient art or

Nin Bursery, Ltd.

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- handieraft, and will assist the Trustees and their agents in locating same.
- 12. Assignment. Licensee will not, without the written consent of the Trustees, assign or otherwise transfer its interest in this license or any part thereof.
- 13. Termination. In the event operations under this license, in spite of ciligent efforts by Licensee, shall have proved to be uneconomical during the first five (5) years of said term, the Licensee shall have the right to terminate this licensee as of June 30, 1971, by giving to the Trustees not less than 30 days' prior written notice thereof and paying to the Trustees all rents payable hereunder to such date.
- 14. Trustees' Costs and Empeases. In case of any breach by
 Licensee of its covenants herein contained, the Trustees may
 at any time at their option without notice cure such breach
 for the account and at the expense of Licensee. Licensee
 will pay to the Trustees on demand all costs and expenses including reasonable attorneys' fees incurred by the Trustees in
 enforcing any of Licensee's covenants herein contained, in
 remedying any breach by Licensee of said covenants, in collecting any delinquent rent or other charges payable by Licensee
 hereunder, or in connection with any litigation commenced by
 or against Licensee (other than condemnation proceedings) to
 which the Trustees without any fault on their part shall be
 made parties.
- 15. Indemnification. Licensee will indemnify and save harmless the Trustees and the estate and effects of said Bernice Pauchi Bishop against all actions, suits, claims and damages brought or made by reason or on account of injury or damage to any person or persons or any property resulting from the operation of Licensee under this license, or from any accident or fire or any nuisance made or suffered within or without said Lot E, or from any failure of Licensee to observe or perform any of its covenants herein contained, and will reimburse the Trustees for all costs and expenses, including reasonable attorneys' fees, incurred by them in connection with the defense of any such action, suit or claim.
- 16. Defendance. It is mutually agreed by and between the parties hereto that if Licensee shall fail to pay said rents or any

Niu Mursery, Ltd.

part thereof within thirty (30) days after due date, or shall fail to observe or perform any of the provisions herein contained on its part to be observed or performed, the Trustees shall thereupon have the right to immediately terminate this license without any notice or demand and without prejudice to any other remedy or right of action for arrears of rent or for any preceding or other breach of this license.

- 17. Approisel. It is also mutually agreed between the parties hereto that whenever the additional monthly rent payable by Licensee shall be determined by appraisal, such rent shall be the amount by which the product of:
 - (a) the number of cubic feet of hapu'u harvested by Licensee in said Lot E during each wonth and
 - (b) a fair rate per cubic foot of said hapu'u

shall exceed said minimum monthly rent of \$62.00, and such rate shall be determined by three qualified, impartial appraisers, one to be appointed by each of the parties hereto, and the Trustees and Licensee shall each within ton (10) days after the date herein provided for such appraisal name one such appraiser and give written notice thereof to the other party, and in case one party shall fail so to do, the party who has named an appraiser may apply to the person then sitting as the senior judge in service of the Circuit Court of the judicial circuit in which said Lot E is located, requesting him to appoint a second appraiser, and the two appraisers thus appointed in either manner shall appoint a third appraiser and give notice thereof to the Trustees and Licensee, and in case of their failure so to do within ten (10) days after appointment of the second appraiser, either party may have such third appraiser appointed by said judge, and the three appraisers so appointed shall thereupon proceed to determine the matters in question, and the decision of said appraisers or a majority of them shall be final, conclusive and binding upon both parties hereto, and the Trustees and Licensee shall each pay one-half of all proper costs and expenses of such appraisal other than attorneys' and witness' fees.

Niu Nursery, Ltd.

-7-

August 11, 1956

- 18. Exclusive Use. The Trustees will not at any time during the continuance of this license allow the harvesting of hapu'u from said Lot E in commercial quantities by anyone other than Licensee.
- 19. Perpetuation of License. This license shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and permitted assigns.

The foregoing offer may be accepted only by signing the enclosed carbon copy of this letter and returning it to this office within 30 days from the date hereof.

Very truly yours,

Went St. Stebellon

A. J. Dow For Secretary

jem:mok cc: Norman K. Carlson

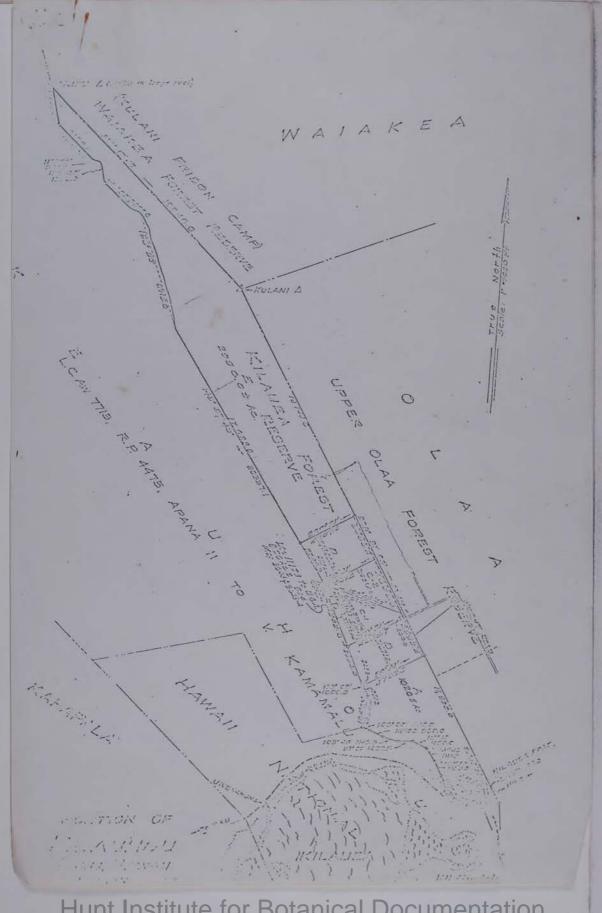
ACCEPTED:

NIU MURSERY, LTD.

By

By Att Vice President

Date: . (1. 1. 6 , 1966.



Hunt Institute for Botanical

I EREDORICK J. Seaver ex 0710 Agence Papers, 1177 HERBERT H. LEHMAN COLLEGE DEPARTMENT OF BIOLOGICAL SCIENCES BRONX, NEW YORK 10468 12121933-6000 May 5, 1971 Dr. Otto Degener Waialua, Oahu Hawaii, 96791 Dear Dr. Degener: Enclosed please find two copies of the half-tone and a copy of corrected galley proof of the article about Dr. Seaver. The original manuscript was edited to provide for a more consistent chronology than was originally apparent and to eliminate tangential material. Our current costs are prohibitive at over \$45 per page, and I am often compelled to shorten articles. The Press should have sent the original photo to you; I hope it arrived safely. I have today sent in galley proof of the may-June issue of the Bulletin (and Torreya) containing the Seaver obituary together with an order for you for 100 reprints. You may expect your reprints in about two months.

Sincerely yours,

Gily E. Bard, Editor
Bulletin of the Torrey
Botanical Club

GEB:mf



Dear Dr. Bard:

Many thanks for the galley about Dr. Seaver, and for the photos.

There is just one point that troubles me. That footnote about Dr. Seaver's biography is obscists and does not do him justice. Arthur Seaver builed me the very, very old clipping from which I had taken it. If warr IS STILL TIME, do please delete it and have the printer charge me for the charge. It won't make much trouble, if you sturk change "This" to "Such" in the second paragrap

Of course if the change canno be made, I shall not ony about it.

Perhaps you might 'phone Dr. Rogerson that my "biography" is limited to gossip and appeadotes. Mis, I presume, would concentrate on the formal type of biography, followed by a bibliography.

If the printer must fill the void, which was Decement I doubt, you could insert a liste more gossip still a unding unused in the mo.

Many thanks for ordering the 100 reprints for me. I mail out such material with my book orders to institutions ander interested institutions.

The Hanter College story is interesting.

THE RESERVE THE PARTY OF THE PA

Aloha,

June 7, 1971

AIR MAIL

Dr. Thomas B. Croat Summit Herbarium and Library (ISEB) Drawer S Balboa Heights, CANAL ZONE

Dear Tom:

The <u>Ormosia</u> that arrived recently, your ? 13217 is <u>O. macrocalyx</u> Ducke. It is the thing that has frequently been mistakenly identified as <u>O. panamensis</u>. There is no label with the specimen. Could you please supply one, if this is your collection.

Sincerely,

Velva E. Rudd Botanist Department of Botany

VERudd/chl



MISSOURI BOTANICAL GARDEN

SHAW'S GARDEN

Summit Herbarium & Library Drawer S Balboa Heights, Canal Zone June 14, 1971

Dr. Velva Rudd Department of Botany Smithsonian Institution Washington, D.C. 20560

Dear Velva:

Thank you for your determination of Ormosia macrocalyx. I believe things are beginning to take shape now. I have three species: O. macrocalyx, O. panamensis, and O. coccinea. The latter is the same as Shattuck 1103 which you cited in your revision as O. isthmensis. Apparently O. isthmensis does not occur on the island. Shattuck 1103 was a collection with young fruits. I have it borrowed so you will not be able to check it for the time being, but it matches perfectly my specimens with red and black seeds which you have indicated might be a new variety of O. coccinea. You already have some of this material. Will you soon describe it as new?

I would really appreciate getting a name on this one. Do you have enough material? My numbers include 5104, 5120, 6577, 11306, 12702 and 12685. All are fruiting except 6577 which has some old flowers and juvenile fruits much like Shattuck 1103. The species flowers in the mid-rainy season July-September. Seeds persist in open valves until birds take them off. I have seen a tree with some seeds still exposed after 5 months! In the forest they do not last so long. This tree was along the shore. This is easily the most abundant species of Ormosia on the island.

Included is a copy of my latest key to the three species. Do you have any floral characters which could be added?

Sorry about the label. I always intend to send one but sometimes they get lost in the shuffle.

Sincerely,

Thomas Croat Curator

KET TO ORMOSIA of BCI

A. Leaflets with both suffaces glabrous, the valve of the fruit with a sub-marginal ridge

O. macrocalyx Ducke

- A. Leaflets with pubescence at least on lower surface (sometimes restricted to nerves in 0. coccinea); the valve of the fruit lacking a submarginal ridge
 - B. Fruits sub-orbicular, nearly as broad or broader than long, light brown, usually more than 1-seeded; seeds red; leaves gradually long acuminate, thin; major nerves scarcely raised with little more pubescence than surface

O. coccinea var. subsimplex (Spruce ex Benth.) Rudd

B. Fruits obliquely obovate or elliptic, lenger than broad, dark brown or reddish-brown, usually 1-seeded; seeds red and black; leaves abruptly short-acuminate, thick, the major nerves with much more pubescence than surface

O. panamensis Benth.

Didn't you get the copy of my large Comona paper, sent some time ago. Ch with Bot Dressler to the Smith son effice by mistake.

Smithson an effice by mistake.

Comphow there wiel be a copy in their library - Conth. U.S.

Mat. Herb. 32 (5).

Kt. 1, Bax 89, Waralua, Oahu 96 June 22, 1971, Police Dept., Wahiawa, Oahu. Dear Sirs: Please note that we are leaving our h at 68-617 Crozier Drive, Mokuleia Beac Sept. 17, 1971 until further notice for the Island of Hawani. No one is authorized to be on our profor during our absence except: 1) Mrs. Tsuruo Hayashi, 670877 Bana Street (near post office), Waialua 637-9279), He is our yard man; she, on eleaning lady). 2) Ult. V Mrs. John Du Bois, who live on V Rot as tenant near The rood, and who he offered to feed the soi in our garden. Mr. of Mrs. Hayashi (637 19279) and us. Volcano, Hawaii 967-7409 Collect.

Hunt Institute for Botanical Documentation



MISSOURI BOTANICAL GARDEN

SHAW'S GARDEN

Summit Herbarium & Library Drawer S Balboa Heights, Canal Zone June 23, 1971

Dr. Velva Rudd Department of Botany Smithsonian Institution Washington, C. D. 20560

Dear Velva:

I have finally had the opportunity to look into the Acacia problem, if only briefly. I refer to your letter of March 23, 1971. Thank you for the copy of the Britton and Killip work in Colombia.

I agree that the huge canopy vine with angulate and armed trunks and stems fits $\frac{\text{Acacia hayesii}}{\text{taxon was indeed a mistake}}$ Benth. My misspelling of the latter

The fruits which were picked up on one of my eralier collections undoubtedly belong to \underline{A} . $\underline{hayesii}$. I have since climbed up after then. I have seen this species elsewhere \overline{in} Panama and I can always recognize it vegetatively by the large angulate trunk.

Apparently Acacia glomerosa Benth. also occurs on the island as I have seen Aviles 10B and it fits the description of that species quite well. I have seen other mimosoid trees on the island in sterile condition and possibley have some collections of A. glomerosa back at Missouri.

In my key I said (or at least meant to say) that the fruits of A. hayesii (then A. glomerosa) were more than 2.5 cm wide. You are correct. They do reach $\overline{3.5}$ cm diameter regularly.

I hope your work goes well with <u>Machaerium</u>. Please solve the <u>M</u>. <u>arboreum-M</u>. <u>dariense</u> problem. Are they really distinct from one another?

Sincerely,

Thomas Croat

2315 TOWER GROVE AVENUE • ST. LOUIS, MISSOURI 63110 • (314) 865-0440

Drs. Otto & Isa Degener P. O. Box 154 Volcano Hawaii 96785 U. S. A. June 29, 17%. Dear Mr. Bossert: Thank you so much for your speedy ansever, with the needed Chang Ho Hext. I am airmailing both to Prof. Moore with a note John archholds, with you, so all literature shall be in one place. To me it wouldbe silly to have my set of CH papers at H. B. S.; his & J. as at Fairchild Terofo. yard. or in East Laurinez. When Dr. Moor thanks you for your cooperation, why not approach him for such a We are presently living in only mountain cottage at our about address. It is pleasantly cool here at 3,800 feet. By the way, as we flew over last week from Oake, we noticed a few patches of snow on hoth Mauria Roa's Maura Many thanks again, Otto Segener Hunt Institute for Botanical Documenta