
A BILL FOR AN ACT

RELATING TO PRESERVATION.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that the University of
2 Hawaii is the custodian of a collection of three-dimensional
3 relief maps of the seven primary Hawaiian islands. These maps
4 were constructed in 1936 for the college of agriculture to show
5 agriculture in the islands, and they have been used by the
6 University as teaching tools for eight decades since. Over the
7 years, frequent use has resulted in fading, wear, and damage to
8 the maps. These antique maps are unique in their design and
9 craftsmanship, and due to the likely destruction of the original
10 molds, they cannot be reproduced. Accordingly, the University
11 has undertaken a project to restore these artistic masterworks
12 to their original luster by professionally cleaning, repairing,
13 repainting, and preserving them.

14 The purpose of this Act is to appropriate moneys for the
15 college of tropical agriculture and human resources of the
16 University of Hawaii to restore and preserve its collection of
17 historic relief maps of the Hawaiian islands.



1 SECTION 2. There is appropriated out of the general
 2 revenues of the State of Hawaii the sum of \$250,000 or so much
 3 thereof as may be necessary for fiscal year 2016-2017 for the
 4 restoration and preservation of historic relief maps of the
 5 Hawaiian islands.

6 The sum appropriated shall be expended by the college of
 7 tropical agriculture and human resources of the University of
 8 Hawaii for the purposes of this Act.

9 SECTION 3. This Act shall take effect on July 1, 2016.

10

INTRODUCED BY:

[Signature]

Tom Brown

[Signature]

[Signature]

[Signature]

[Signature]

John M. W. [Signature]

Nicole E. Lower

Alex A. Blatti

Guthrie Thieten

[Signature]

[Signature]



H.B. NO. 1824

Report Title:

University of Hawaii; Historic Relief Maps

Description:

Appropriates moneys to the University of Hawaii college of tropical agriculture and human resources for the restoration and preservation of historic relief maps of the Hawaiian islands.

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.



ichiyama2-Brandon

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 01, 2016 12:32 PM
To: HEDtestimony
Cc: theatacamakid@gmail.com
Subject: Submitted testimony for HB1824 on Feb 2, 2016 14:01PM

HB1824

Submitted on: 2/1/2016

Testimony for HED on Feb 2, 2016 14:01PM in Conference Room 309

Submitted By	Organization	Testifier Position	Present at Hearing
David Duffy	Individual	Support	No

Comments: Dear Members of the House Higher Education Committee Aloha, I wish to strongly endorse HB1824 relating to restoring the unique teaching tool in the lobby of St John Hall on the Manoa Campus. I am a professor in Botany and unit leader of the Pacific Cooperative Studies Unit at the University of Hawaii Manoa but this does not represent any but my own opinions. Every day when I arrive in St John Hall, I pass through the lobby and see these relief maps. I have used them many times to orient visitors and new staff that pass through Botany and the Pacific Cooperative Studies Unit. Frequently, the lobby is occupied by formal classes, informal groups, and visitors gaining an appreciation of how the islands were formed and how the land was and is now used. It has been painful to see this unique teaching tool decline over the years because of lack of maintenance. The plaster has developed cracks and lost paint from touching by visitors. Additionally, the surfaces of the maps are covered with an accumulation of dirt, grime and oily residues. The planned restoration besides cleaning and repainting will use a computer projection to demonstrate changes to the islands, from before European arrival to current uses to potential future scenarios of land use. It will also be possible to illustrate current issues such as invasive species and climate change. The proposed restoration will turn an already effective and unique teaching tool into a highly engaging and effective display that will allow us all to better understand our islands. Please consider funding this teaching aid. Mahalo, David Cameron Duffy

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ichiyama2-Brandon

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 01, 2016 11:40 AM
To: HEDtestimony
Cc: mendezj@hawaii.edu
Subject: *Submitted testimony for HB1824 on Feb 2, 2016 14:01PM*

HB1824

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Testimony for HED on Feb 2, 2016 14:01PM in Conference Room 309

Submitted By	Organization	Testifier Position	Present at Hearing
Javier Mendez-Alvarez	Individual	Support	No

Comments:

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Testimony in support of HB 1824 - Appropriates moneys to the University of Hawaii college of tropical agriculture and human resources for the restoration and preservation of historic relief maps of the Hawaiian islands.

I am strongly in favor of the State of Hawai'i providing funds for the renovation of the historic relief maps housed in the Harold St. John Plant Science building on the UHM campus. I work in the St. John building and I can tell you that essentially every day of the school year many people stop to inspect these beautiful, one-of-a-kind, historical maps. Instructional faculty regularly bring classes to the lobby of St. John to use the maps as learning tools.

The maps are currently in a horrible state of disrepair and must be refurbished immediately before they are damaged beyond repair.

Thank you!

Tom A. Ranker
455 Kailua Rd Apt 4106
Kailua, HI 96734-2920

Testimony in support of HB 1824
Russell Yost

The purpose of this testimony is to strongly support HB 1824 Relating to the preservation and restoration of the inspirational, historic, relief maps of the Hawaiian Islands currently located in the St. John Plant Science Building, 3190 Maile Way.

These relief maps were shown to me on my first visit to the islands some 39 years ago. I use them regularly to introduce visitors to the Islands. A short 10 minute visit to these amazing maps gives the visitor a solid, graphic view of the geography, agriculture, and yes the culture of the islands and provides inspiration to students and visitors alike.

I can't think of a more illustrative, inspiring introduction to the Islands than that these historic maps provide. It has been long overdue that the concept and idea of these maps be brought into the 21st century using current technology. The propose project submitted by Robert Paull describes a forward-looking procedure to preserve and expand on the concept so brilliantly conceived and implemented in 1936. It is truly historic as it continues to teach, instruct, and edify students and visitors alike. There are few examples that so rapidly transfer and inspire newcomers as these maps. I strongly support the renovation and renewal of these maps and placing them in the new clothes of current technology.

Russell Yost
Soil Scientist.



UNIVERSITY OF HAWAII SYSTEM
Legislative Testimony

LATE

Written Testimony Presented Before the
House Committee on Higher Education
Tuesday, February 2, 2016 at 2:01 pm

By

Robert Bley-Vroman, Chancellor

And

Maria Gallo, Dean

And

J. Kenneth Grace, Associate Dean

College of Tropical Agriculture and Human Resources
University of Hawai'i at Mānoa

HB 1824 – RELATING TO PRESERVATION

Chair Choy, Vice Chair Ichiyama, and members of the House Committee on Higher Education, thank you for this opportunity to testify in support of HB 1824, which appropriates funds to the University of Hawai'i at Mānoa, College of Tropical Agriculture and Human Resources, for the restoration and preservation of historic relief maps of the Hawaiian islands.

The story of Hawai'i and its people is a story about the land. The University of Hawai'i at Mānoa possesses a one-of-a-kind teaching resource that helps tell the story of the land. Displayed in the lobby of the St. John Plant Sciences Building are three-dimensional plaster relief maps of the seven primary Hawaiian Islands made in 1936. Originally made by Richard Quinn and Robert Choy to depict agriculture in the islands, these maps are historical art objects that have aided and enhanced teaching, learning and public outreach for almost 80 years. One other copy of the Oahu relief map was made for the military and was housed at Pearl Harbor. The maps of the other islands of Ni'ihau, Kaua'i, Maui, Lāna'i, Moloka'i and Hawai'i are unique. The molds for these maps have long since disappeared.

These 80-year old masterworks are in severe need of repair and refurbishing. The plaster has developed cracks, fading and wear marks; the surfaces of the maps are covered with an accumulation of dirt, grime and oily residues; and the wooden tables supporting the maps have been damaged by termites and wear. HB 1824 would provide the funds necessary to professionally restore and re-support these unique educational tools, and greatly to further enhance their value for study of historical, current and future land use in Hawai'i by supplementing the relief surfaces with interactive overlays, using digital projection technology. The cost for completing this work is \$250,000.

We greatly appreciate the opportunity to testify in support of HB 1824, provided that its passage does not replace or adversely impact priorities as indicated in our BOR Approved Budget.



LATE

DEPARTMENT OF BOTANY
3190 MAILE WAY, Room 101
UNIVERSITY OF HAWAII AT MĀNOA
HONOLULU, HAWAII 96822 USA

01 February 2016

Dear members of the Hawai'i State Legislature,

I am writing to express support for HB-1824 (Relating to Preservation – appropriates moneys to the University of Hawai'i College of Tropical Agriculture and Human Resources for the restoration and preservation of historic relief maps of the Hawaiian Islands), on behalf of the Department of Botany, University of Hawai'i.

The Department of Botany is one of the main occupants of the St. John Plant Science Laboratory at the University of Hawai'i, along with several Departments of the College of Tropical Agriculture and Human Resources. The relief maps of the Main Hawaiian Islands are the most prominent feature of our building's lobby, and are a highly valued resource. Numerous faculty in our Department make use of these maps for teaching purposes – they provide an excellent three-dimensional rendition of the islands that facilitate understanding of the unique geography of our islands. I know of several colleagues who specifically bring their visiting guests to the lobby of our building to see the maps, and it isn't unusual to see entire classes of undergraduate students using the maps during class time, or for groups of international visitors to get their bearings in the islands by strolling through our lobby.

However, these valuable maps are in need of help. They are old – dating back to the 1930s – and haven't received any substantive care in decades. They are very much showing their age at this point, and will require a lot of careful help to restore them to their prime.

The Department of Botany of the University of Hawai'i is strongly supportive of HB-1824, which would provide the funds to restore these maps, and to bring their display into a new era through installation of interactive touch screens and computer displays.

Please don't hesitate to contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Alison Sherwood".

Alison R. Sherwood
Professor and Chair

LATE

I strongly recommend passing House Bill 1824 to fund the restoration of the Relief Maps in the Lobby. There is a companion bill SB2405 which I also believe should be passed. I have been a full time teaching and research faculty member of UH Manoa for more than 40 years. Over that entire period, I have utilized the large relief maps of the Hawaiian Islands that were constructed in the mid-1930s.

As part of my long term instruction of courses dealing with the natural history of the Hawaiian Islands, I have engaged UH students countless times with lectures and interactive discussions around these superb three-dimensional models of our islands. My students over the decades have consistently responded to my integration of these excellent teaching tools into their course curricula.

Students have commented to me and their fellow students about how their understanding of many natural and cultural distributions on the Hawaiian Islands have been enhanced through the instructional use of these maps. I regularly have used the large, attractive maps for visual reference to a very wide variety of topics. These include discussions about plate tectonics, hot spot theory, volcanic land forms, differential rainfall distribution, resulting landscape developments, biogeographical distributions of flora and fauna, human adaptation and impacts in the islands over time, and many other relevant topics.

I fully support the restoration and additional technological upgrading of these educationally and artistically unique UHM "treasures." This unique project is highly worthy of governmental support. It will enhance the educational goals of the State of Hawai`i, protecting our special insular environments and culture. The University of Hawai`i and the State of Hawai`i can be very proud of these legacy maps with quite significant pedagogical and artistic value. In their fully restored and enhanced condition, they will continue to inspire our faculty and their students for many decades to come.

Respectfully yours,

Mark Merlin, Professor, Botany Department, UH Manoa

ichiyama2-Brandon

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 4:13 AM
To: HEDtestimony
Cc: starmer@hawaii.edu
Subject: *Submitted testimony for HB1824 on Feb 2, 2016 14:01PM*

HB1824

Submitted on: 2/2/2016

Testimony for HED on Feb 2, 2016 14:01PM in Conference Room 309

Submitted By	Organization	Testifier Position	Present at Hearing
Kaelan	Individual	Support	No

Comments:

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ichiyama2-Brandon

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 10:39 AM
To: HEDtestimony
Cc: cliff@hawaii.edu
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HB1824

Submitted on: 2/2/2016

Testimony for HED on Feb 2, 2016 14:01PM in Conference Room 309

Submitted By	Organization	Testifier Position	Present at Hearing
Clifford W Smith	Individual	Support	No

Comments: To the members of the House Higher Education Committee. Testimony in support of HB1824 My name is Clifford W. Smith and my address is 1205 Manulani St, Kailua. I am writing in support of HB 1824 relating to the restoration of the relief maps of the seven principal islands of Hawaii. These maps are a unique resource, publically available in an accessible area in St John Bldg, UH Manoa. I recognized their utility the first time I saw them down in the old Gilmore Hall. I used them as an important resource when teaching both graduate and undergraduate courses in Biology and Botany throughout my tenure on the faculty. I also used and still use them as a familiarization tool when greeting fellow researchers new to the Islands. Many of them returned to plan further field work on later occasions. Almost everyone has had an immediate change in their outlook on seeing them. There is no better way to illustrate the challenges facing people venturing into the mountains. Unfortunately, the maps have suffered the ravages of time such that features such as roads, names, etc., are barely visible any longer which decreases their utility somewhat. There are also blemishes that should be repaired. The maps would be enhanced by delimiting the expansion of urbanization, roads, etc. I encourage you to pass this bill to restore these historic maps.

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