

SCR 136

Testimony



State of Hawaii
DEPARTMENT OF AGRICULTURE
1428 South King Street
Honolulu, Hawaii 96814-2512
Phone: (808) 973-9600 FAX: (808) 973-9613

TESTIMONY OF RUSSELL S. KOKUBUN
CHAIRPERSON, BOARD OF AGRICULTURE

BEFORE THE SENATE COMMITTEE ON AGRICULTURE

TUESDAY, MARCH 27, 2012
2:45 P.M.
ROOM 229

SENATE CONCURRENT RESOLUTION NO. 136
URGING THE UNIVERSITY OF HAWAII TO DESIGNATE THE MAGOON RESEARCH AND
TEACHING FACILITY SITE FOR THE UNIVERSITY OF HAWAII AT MANOA COLLEGE OF
TROPICAL AGRICULTURE AND HUMAN RESOURCES

Chairperson Nishihara and Members of the Committee:

Thank you for this opportunity to provide testimony on Senate Concurrent Resolution No. 136. The purpose of this resolution is to secure the Magoon Research and Teaching facility for the University of Hawaii at Manoa College for CTAHR. We strongly support this resolution.

The University of Hawaii was established as one of the land grant institutions funded by the Morrill Acts of 1862 and 1890, which focused on the teaching of practical agriculture. This resolution urges the University to continue its longstanding mission to prepare students and provide the research necessary to support tropical agriculture.

Agriculture must be stabilized and strengthened to enable us to feed ourselves during times of emergencies, and to increase our State's economic base and economic diversity. As such, the Department of Agriculture, our Agricultural Industries, our Research Institutions, and our private and public partnerships must combine their resources in this shared vision to



be able to face the complexities of diversified export markets, increased pest pressure, and global competition. It will be critical to have CTAHR as an equal partner in this shared vision.

The long-term development of the agriculture will depend on creating and growing industries from incubator to commercial farming operations, and providing new developments for existing agriculture sectors to maintain competitiveness in the marketplace. The Magoon facility has developed and housed the orchid and anthurium germplasm used in our floriculture industry, which is currently the second largest industry behind the seed industry.

Thank you for the opportunity to testify.



UNIVERSITY OF HAWAI‘I SYSTEM

Legislative Testimony

Testimony Presented Before the
Senate Committee on Agriculture
Tuesday, March 27, 2012 at 2:45 pm

By

Virginia Hinshaw, Chancellor

And

Vassilis Syrmos

Associate Vice Chancellor for Research & Graduate Education
University of Hawai‘i at Mānoa

SCR 136 URGING THE UNIVERSITY OF HAWAII TO DESIGNATE THE MAGOON RESEARCH AND TEACHING FACILITY SITE FOR THE UNIVERSITY OF HAWAII AT MANOA COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES

Chair Nishihara, Vice Chair Kahele and Members of the Committee: My name is Vassilis Syrmos and I am the Associate Vice Chancellor for Research & Graduate Education at the University of Hawai‘i at Mānoa. Thank you for the opportunity to provide written testimony in strong support of each and every point of this resolution, however, I have strong reservations in the technicality of the language.

The College of Tropical Agriculture and Human Resources (CTAHR), along with the College of Engineering, are the founding colleges of the University of Hawai‘i at Mānoa; a land grant institution. CTAHR has provided meaningful contributions to the state in education, training, research, extension programs and workforce development for over 100 years.

The Magoon Research Facility, like many other CTAHR facilities across the state, has served this core mission of the college for many decades. As such the University of Hawai‘i at Mānoa would neither displace nor close any such facility, including the Magoon site, without ensuring that the facility is relocated by providing at least the same level, preferably better, of teaching, research, extension, and outreach experiences to the students, faculty and the community at large. The creation and success of such facilities in the University of Hawai‘i at Mānoa only occurs after extensive consultation with faculty, students, and the community. Success of such programs comes through the strength and participation of our faculty and students. Therefore, any major changes to University facilities cannot be achieved without their concurrence and participation.

Finally, although we are in strong support of the points of the resolution, the specific language preclude the University of Hawai‘i at Mānoa to manage its assets in an autonomous and efficient manner by earmarking facilities and sites for specific disciplines on campus. We recommend that the resolution is amended to reflect the strong support for CTAHR and Magoon Research Facility Site without restricting the University’s asset management ability.

Thank you.

Personal Testimony Presented before the
Senate Committee on Agriculture
Senator Clarence K. Nishihara, Chair
Senator Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
by
Sylvia Yuen, Interim Dean and Director
College of Tropical Agriculture and Human Resources

Support for SCR 136, Urging the University of Hawai'i to designate the Magoon Research and Teaching Facility site for the University of Hawai'i at Mānoa College of Tropical Agriculture and Human Resources

Chairmen Nishihara, Vice Chair Kahele, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which urges the University of Hawai'i to designate the Magoon Research and Teaching Facility site for the UH-Mānoa College of Tropical Agriculture and Human Resources (CTAHR). My name is Sylvia Yuen, Interim Dean and Director of the College of Tropical Agriculture and Human Resources (CTAHR), and today, I am providing personal testimony.

Rather than present the compelling case in support of SCR 136, I will yield my time to others present who can speak more eloquently on the subject. You will hear from students, the future of Hawai'i's food and agriculture system, who depend on the Magoon Facility for their education. You will hear from faculty whose research and other scholarly work would be seriously compromised without the Magoon Facility. And you will hear from the agricultural community who are dependent on the research and development work conducted at the Magoon Facility that supports their businesses, which contribute millions of dollars to the State's economy. In addition to the voices here today, there are hundreds of others not present who have indicated their support through votes on resolutions, written testimonies, and signatures on petitions.

The fundamental issue is this: Should the Magoon Facility be used for core programs or for faculty housing? We believe CTAHR and the University's mission of education, research, and service should take precedence over other activities and uses, including faculty housing. Please understand, many of us are in favor of faculty housing, but not on the Magoon site. As the testimonies make clear, the Magoon Facility is the only suitable site for CTAHR's programs. However, there are other sites on O'ahu and other strategies (e.g., rent, loan, and mortgage assistance) that can be used to secure housing for faculty. Moreover, the Executive Policy on University Housing Assistance Program indicates that suitable housing does not mean immediate proximity to the campus, whereas the work conducted at Magoon does require this.

We urge you to join us in supporting core University programs at the Magoon Facility by approving SCR 136 which designates the Magoon site for the College of Tropical Agriculture and Human Resources. Thank you for the opportunity to testify on this important measure.



Meadow Gold Dairies



SCR 136, Urging the University of Hawaii to Designate the Magoon Research and Teaching Facility Site for the University of Hawaii at Manoa College of Tropical Agriculture and Human Resources

Senate AGL Hearing
Tuesday, March 27, 2012
2:45 pm, Room 229

Written Testimony By: Glenn Muranaka
Position: Support

Chair Nishihara and Members of the Senate AGL Committee:

My name is Glenn Muranaka, President and General Manager of Meadow Gold Dairies. Our company has been in Hawaii since 1897—115 years, providing Hawaii consumers with a variety of milk products and juices. Meadow Gold's long history has not come without effort. We continually adapt to our customers' and consumers' ever-changing needs, and we constantly evolve along with our industry, our community and our market. Over the years, this has required that we struggle, tighten our belts, innovate and work extremely hard, making us a better company in the process. The foundation of this work rests with the 350 employees that are committed to providing superior quality products.

We understand the necessity and value of research and development, and the nurturing of students interested in careers in agriculture. Magoon Research and Teaching facility is uniquely located near the UH-Manoa campus which provides students with easy access to laboratories and classrooms. It's focus on under graduate and graduate student field or research work provides invaluable experience to future agriculture scientists and workforce ranging from floriculture, aquaponics, fruits and vegetables and more.

Your support of maintaining Magoon Research and Teaching facility for agriculture education and outreach use is a commitment to increasing Hawaii's agriculture workforce.

Thank you for the opportunity to submit testimony. If you have any questions, please contact me at 944-5911.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, March 22, 2012 12:32 PM
To: AGL Testimony
Cc: gottlieb@hawaii.rr.com
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Alan Gottlieb
Organization: Hawaii Cattlemen's Council
E-mail: gottlieb@hawaii.rr.com
Submitted on: 3/22/2012

Comments:



LANDSCAPE INDUSTRY COUNCIL OF HAWAII

March 22, 2012

TESTIMONY FOR SENATE CONCURRENT RESOLUTION N.O. 136

COMMITTEE ON AGRICULTURE

Landscape Industry Council of Hawaii supports Senate Concurrent Resolution 136 urging the University of Hawaii to designate the Magoon Research and Teaching Facility site for the University of Hawaii at Manoa College of Tropical Agriculture and Human Resources (CTAHR).

Hawaii's landscape industry is one of the fastest growing and largest segments of the green industry with an economic impact of over \$520 million annually and full time employment of over 11,000 local landscape professionals. The landscape industry for the most part is a service-based industry, so the money stays local and has a multiplier effect on our economy.

Hawaii is the only tropical state in the nation. Many of the horticultural challenges in Hawaii are unique to Hawaii. The landscape industry throughout the years has relied on agricultural researchers at the Magoon Research and Teaching Facility site to improve tropical horticultural practices.

For these reasons, we ask for your support of SCR 136 to designate Magoon Research and Teaching Facility site to CTAHR.

Thank you for the opportunity to testify.

Chris Dacus
President
Landscape Industry Council of Hawaii
P. O. Box 22938, Honolulu, Hawaii 96823-2938
Chris.dacus@gmail.com

Landscape Industry Council of Hawaii

Celebrating 26 years, LICH was formed in June 1986, the Landscape Industry Council of Hawaii is a state wide alliance representing Hawaii's landscape trade associations: Aloha Arborist Association, American Society of Landscape

Architects Hawaii Chapter, Hawaii Association of Nurserymen, Hawaii Island Landscape Association, Hawaii Landscape and Irrigation Contractors, Hawaii Society of Urban Forestry Professionals, Kauai Landscape Industry Council, Maui Association of Landscape Professionals, Professional Grounds Management Society, Big Island Association of Nurserymen, and the Hawaii Professional Gardeners Association.

Online at www.landscapehawaii.org



THE SENATE
THE TWENTY-SIXTH LEGISLATURE
REGULAR SESSION OF 2012

COMMITTEE ON AGRICULTURE
Senator Clarence K. Nishihara, Chair
Senator Gilbert Kahele, Vice Chair

DATE: Tuesday, March 27, 2012
TIME: 2:45 p.m.
PLACE: Conference Room 229
State Capitol
415 South Beretania Street

RE: Testimony in strong support of SCR 136

URGING THE UNIVERSITY OF HAWAII TO DESIGNATE THE MAGOON RESEARCH AND TEACHING FACILITY SITE FOR THE UNIVERSITY OF HAWAII AT MANOA COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES.

Aloha Chair Nishihara, Vice Chair Kahele, and Committee Members:

The Hawaii Aquaculture and Aquaponics Association (HAAA), representing Hawaii's aquaculture and aquaponics industry statewide, testifies in strong support of HCR 136.

It appears that the University of Hawaii administration has lost sight of the fact that the University is a Land Grant Institution whose founding purpose is to support agricultural and engineering research, education, and extension in Hawaii, and whose founding colleges were the College of Tropical Agriculture and the College of Engineering. The entire Magoon Research and Teaching Facility was purchased with Land Grant College funds. The 1967 UH Long Range Development Plan designates the Magoon Facility to the College of Tropical Agriculture and Human Resources (CTAHR) and is still the governing document for this site. The USDA Fruitfly Facility was leased from CTAHR.

Over \$4M has been spent to renovate the Magoon buildings and greenhouses in recent years. These facilities provide an effective and crucial on-campus research, training and teaching opportunities for students, faculty, and the community. CTAHR has operated these facilities for over 40 years. They are currently used by 24 CTAHR classes and research on plant propagation of Anthuriums and Dendrobiums, for turn grass management, integrated pest management, erosion control, domestic animal anatomy, organic farm training, and most recently for expanding aquaponics research and training for both commercial farmers and families wishing to supplement their income through backyard food production.

There is currently a significant resurgence of interest in tropical agriculture and CTAHR's current enrollment is reaching an all-time high level. The tropical agriculture education, research and development, and training that

takes place at these facilities provides a critical base for Hawaii's agriculture industry and the community, including for Hawaii aquaculture and aquaponics, and is in keeping with the founding purpose of this College and University. Surely the preservation and use of the Magoon facilities to support these dynamic activities are more important to Hawaii's future and our current goal of increased food self-sufficiency than construction of additional faculty housing which could be accommodated at several other locations or by the private housing sector without the need to bulldoze existing and recently renovated CTHAR research and training facilities.

The HAAA urges the passage of this important resolution and the delivery of a strong message to the UH Administration to preserve the Magoon Research and Teaching Facility for CTAHR and its intended purpose.

Thanks you for the opportunity to testify.

Sincerely,
Ronald P. Weidenbach
HAAA President



isisHawaii

the power of one plus one... P.O. Box 161296, Honolulu, Hawaii 96816 • www.isishawaii.org

To: Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
RE: Senate Continuing Resolution 136
Hearing: March 27, 2012

Date: March 23, 2012

From: Lynn Fujioka, President, isisHawaii
RE: Testimony in Support of the Senate Continuing Resolution 136

Honorable Chair, Vice-Chair and Committee Members:

Thank you for the opportunity to submit testimony in support of Senate Resolution 136. Iisis Hawaii is a Hawaii-based non-profit organization that connects educators to academia and industry professionals to develop enrichment activities that excite students about math- and science-based fields.

isisHawaii is clearly in support of the University of Hawaii's (UH) initiatives to educate and prepare students for a highly competitive 21st century marketplace. It is understood that capital improvements are part of this equation and necessary to attract qualified faculty and staff to achieve UH's academic objectives. However, any actions taken must be done in a fashion that it provides support without detriment to any of UH's current successful academic and outreach efforts. Any actions that displaces successful research and extension efforts that are already educating and preparing Hawaii's students for viable career pathways in sustainability and agritech need to be seriously reviewed. Clearly the language of House Resolution 104 seeks to make certain that CTAHR's research, education and outreach capacity and activities is maintained by keeping the Magoon Agricultural Research Station under the control of CTAHR.

In 2011, the University of Hawaii hosted the Innovation Conference in concert with the National Science Foundation Board (Jan. 13-14, Sheraton Waikiki). Renewable energy, cybersecurity, biomedical/life sciences and sustainable agriculture were featured as priority areas for workforce development initiatives that will keep Hawaii competitive in the global 21st century marketplace.

Any actions that prevents or jeopardizes existing successful programs or research facilities (such as the Magoon Ag Research facility in Manoa) that support these initiatives, then it runs contrary to the public commitment made by the State of Hawaii at the Innovation Conference.

We urge you to insure that the language of SCR No. 136 be finalized in order that existing UH programs or facilities that underwrite the development of a qualified sustainability workforce for Hawaii can continue. Thank you for the opportunity to testify.

Sincerely

Lynn N. Fujioka, President
isisHawaii



March 23, 2012

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146 Hekili Street, Suite 203
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Phone: (808) 263-0081
Fax: (808) 263-0082
www.thepaf.org
awong@thepaf.org

To: Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

Fr: Herb Lee, Jr., Executive Director
Pacific American Foundation

Re: Support for SCR 136, Relating to the Magoon Research and Teaching Facility. Public hearing date: Tuesday, March 27, 2012

Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Herb Lee, Jr. and I am an interested member of the community.

The Pacific American Foundation is a non-profit established in 1993 that serves native Hawaiians and Pacific Islanders in the area of education and career planning and development.

The Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates, graduate students, and K-12 students who will be the next generation of stewards, scholars, entrepreneurs, and a strong and diversified agricultural work force for the State. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience. Further, the staff of CTAHR has been strategic and resourceful partners in providing students in K-12 schools with exposure to these important career choices.

Please support SCR 136 and designate Magoon to CTAHR. It will go a long way in continuing to provide these needed opportunities in the 21st century.

nishihara1 - Danille

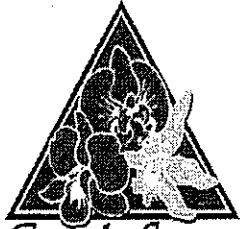
From: mailinglist@capitol.hawaii.gov
Sent: Saturday, March 24, 2012 2:03 PM
To: AGL Testimony
Cc: ken@mycoffee.net
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM
Attachments: htfg support.doc

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Ken Love
Organization: Hawaii Tropical Fruit Growers
E-mail: ken@mycoffee.net
Submitted on: 3/24/2012

Comments:

The Hawaii Tropical Fruit Growers (HTFG) is in support of SCR 136 to protect the Magoon Research and Teaching Facility. The use of this facility has a direct relationship to the assistance received by many members of the local farming community from the College of Tropical Agriculture and Human Resources. Not only should this facility be protected and supported but funds should be made available specifically to enhance Magoon which in turn helps strengthen Hawaiian Agriculture.



Orchid Growers
OF HAWAII

Orchid Growers Of Hawaii

P.O. Box 4153 Hilo Hawaii 96720

Email : info@ogoh.org

Website : www.ogoh.org

Testimony Presented Before
the Senate Committee on Agriculture
Senator Clarence K. Nishihara, Chair
Senator Gilbert Kabele, Vice Chair
Tuesday, March 27, 2012
by
Thong-Teng Neo
President of Orchid Growers Of Hawaii (OGOH)

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

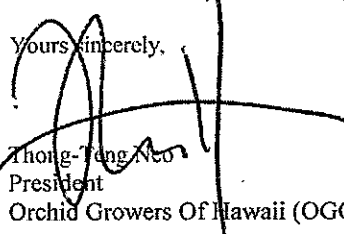
Chairmen Nishihara and members of the Senate Committee on Agriculture : Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Thong-Teng Neo, President of Orchid Growers of Hawaii, a Statewide Orchid Association, representing Hawaii's Orchid industry.

Magoon Facility is the site of research that directly supports Hawaii's our agriculture industry especially our floriculture industry. Our floriculture industry as a whole, second largest diversified agriculture crop in Hawaii, contributes at least \$70 million per year. Throughout the years OGOH has partnered with researchers at Magoon Facility in many programs from plant pathology to insect entomology and especially UH CTAHR unique Dendrobium breeding program. This partnership that has led to increased revenues and productivity to compete in the global market. For instance, UH CTHAR breeding program has enable our orchid industry to stay ahead of our global competitors not only with new cultivars of cut flower and potted plants, but also with better yielding plants and possible disease and virus resistant plants in the future.

UH CTAHR Magoon Facility is also one of the few places that students can get the training to go into this important business, with its large economic implications for the state. It is also the only facility where students' training in such horticulturally essential topics can be integrated with the full range of laboratories, classrooms, and facilities that the UH-Mānoa campus has to offer. We hope in terms of its larger self interest that the state comes to an understanding of the importance of investing in the next generation of agricultural researchers and farmers.

For all these reasons, OGOH strongly encourage our legislators to **SUPPORT** SCR 136 and designate Magoon to CTAHR.

Yours sincerely,


Thong-Teng Neo
President
Orchid Growers Of Hawaii (OGOH)



Green Point Nurseries, Inc.
www.greenpointnursery.com

Testimony for the Twenty Sixth Legislature, 2012
State of Hawaii

Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
2:45pm

Regarding SCR 136
designating the Magoon Research and Teaching Facility site for the
College of Tropical Agriculture and Human Resources (CTAHR).

Supporting HCR 104 Relating to the Magoon Research and Teaching Facility

Senator Nishiara and Kahele, and members of the Senate Committee on Agriculture:
Thank you for the opportunity to testify in avor of SCR 136, which designates the Magoon
Research and Teaching Facility site for the College of Tropical Agriculture and Human
Resources (CTAHR).

My name is Harold T. Tanouye and I am the President of Green Point Nurseries, Inc. on the Big
Island. My family is in our second generation of agribusiness, a business that produces Hawaii's
cut flowers and foliage and tropical blooming plants. Our products are distributed and exported
locally, nationally, and internationally. Green Point Nurseries is a charter member of the State of
Hawaii's Department of Agriculture, Seal of Quality program.

Throughout the years, my company has cooperated with CTAHR to test and develop new
anthurium varieties that enable our local growers to remain competitive in the global market.
Development of new anthurium varieties often takes 8-14 years before the variety is released for
commercial use. I am grateful for the assistance of CTAHR scholars working at the Magoon
facility and look forward to collaborating with them for many years to come.

As a businessperson, I am also aware of how difficult it is becoming to find qualified workers in
the horticulture industry. The Magoon Facility is one of the few places where students can get the
training to go into this important business. It is also the only facility where students' training in
essential topics such as fertilizers, plant propagation, weed control, and plant disease
management can be integrated with the full range of laboratories, classrooms, and facilities that
the UH-Mānoa campus has to offer. I hope that the State of Hawaii comes to an understanding of
the importance of investing in the next generation of agricultural leaders, as these students
contribute greatly to the growth of the agriculture sector, and ultimately the economy of Hawaii.

For all these reasons I strongly encourage our legislators to Support SCR 136 and designate the
Magoon Facility site to CTAHR.

Sincerely,

Harold T. Tanouye
President/Owner
Green Point Nurseries Inc.



Hawaii Floriculture & Nursery Association

Testimony for the Twenty Sixth Legislature, 2012
State of Hawaii

Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
2:45pm

Regarding SCR 136
designating the Magoon Research and Teaching Facility site for the
College of Tropical Agriculture and Human Resources (CTAHR).

Supporting-SCR 136 Relating to the Magoon Research and Teaching Facility

My name is Eric S. Tanouye and I am the President for the Hawaii Floriculture and Nursery Association. HFNA is a statewide umbrella organization with approximately 300 members. Our membership is made up with breeders, hybridizers, propagators, growers, shippers, wholesalers, retailers, educators, and the allied industry, which supports our efforts in agriculture.

We **support SCR 136** and keeping the Magoon Teaching and Research Facility within CTAHR and NOT using it for New Faculty Housing. CTAHR has been instrumental in supporting Hawaii's Floriculture and Nursery Industry with new anthurium varieties. New varieties allow Hawaii growers to remain competitive in the global market. Development of Anthurium Varieties is a lengthy process and takes approximately 8-14 years before a variety can be released commercially, so it is important to our industry that it continue. CTAHR also handles important Breeding and Research for orchids, protea, tropical flowers and cut foliage, blooming plants and foliage plants.

CTAHR and the Magoon Facility is also important for the training on essential topics of our industry such as fertilizers, plant propagation, weed control, etc. It is important that we continue to invest in the next generation of agriculture leaders, so that our industry can continue and help to contribute to the economy of Hawaii.

If you have any questions at this time, I would be happy to discuss them and can be reached by phone at 808-959-3535 ext 22, cell 960-1433 and email eric@greenpointnursery.com.

Supporting Agriculture and Hawaii,

Eric S. Tanouye
President
Hawaii Floriculture and Nursery Association

Personal Testimony Presented Before Personal Testimony Presented Before
The Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by
Dr. Joseph DeFrank

Support for HCR 104, Relating to the Magoon Research and Teaching Facility.

My name is Joseph DeFrank. I have been a faculty member in the College of Tropical Agriculture and Human Resources at UH Manoa for over 28 years. However, today I am providing personal testimony

~~I support~~ House Resolution HCR104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes. My reasons for support of this bill are personal. For last 20+ years, I have expended a large portion of time, energy and interpersonal currency to help make this facility a top flight teaching and research facility for agricultural faculty and both graduate and undergraduate course work. Until 2005, the facility suffered a long slow decline in function and image due to administrative neglect. Miraculously in 2005, the UH allocated about 4.2 million dollars to repair all the glass and shade houses and bring the head house with classroom and shower/bathroom facilities into full ADA compliance. Faculty and staff are now able to bring visiting scientists, tour groups, and students to a facility that we are all proud of and can make full use of the plant growth areas both under cover and outdoors. I also provided leadership to install 5 simulated sport turf plots for student training on turf and landscape maintenance. With our newly renovated structures and garden beds we opened our facility to the Noelani Elementary School so that our students in agricultural clubs could interact with their 1st graders and help them to appreciate the joy and importance of growing your own food.

One day last November 2011, I was informed that the UH had commissioned an assessment of 3 sites for faculty housing. Our Magoon Facility was at the top of the list for lowest cost housing construction. What was most discouraging about this assessment was that our newly renovated facility was placed at the same level of significance as a parking lot and an undeveloped hillside with a 30% slope. Clearly, the UH administrators seeking to replace the Magoon Facility with faculty housing have no regard for the research and teaching functions of this facility and no regard for the efforts that I and my fellow faculty and staff have made to develop this facility as an important physical component of CTAHR's mission to serve the agricultural industries of Hawaii.

When the UH administration announced that over 1 million dollars is to be spent on architect plans and construction assessment for the Magoon Facility they declared war on my college, my students, my fellow colleagues and me. With this testimony, I stand in open opposition to UH plans to destroy the Magoon Facility and replace it with faculty housing. I respectfully ask for your support of this bill that will send a strong message to the UH Administration that agricultural research and teaching are important components of the academic environment and that the Magoon Facility must remain in CTAHR, at its current location, to best preserve this aspect of the Manoa Campus. I place myself at your service should you require any additional information in your consideration of this resolution.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, March 22, 2012 9:20 PM
To: AGL Testimony
Cc: ckychan@msn.com
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Catherine Chan-halbrecht
Organization: Individual
E-mail: ckychan@msn.com
Submitted on: 3/22/2012

Comments:

I am in support of this measure as this is a convenient and efficient place to provide students with much needed experiential and hands-on experience. This site is also cost effective as it is near the University and convenient for many more classes to use the facilities. It would be a huge mistake to put more housing in Manoa as there will be traffic congestion, pollution and noise.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Nolan Johnson

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Nolan Johnson, a student in the Department of Tropical Plant and Soil Sciences at CTAHR.

The Magoon Facility is and has been a crucial part of my education. Graduating this Spring I cannot imagine how the quality of my education would have been without this research facility. I was a victim of the economic downturn which claimed so many jobs around the country in 2009. After much deliberation with my wife, we decided to drop everything, move to Hawai'i, and pursue a job in an industry that I had always loved. This meant that my wife had to find a full-time job and I had/am working three jobs to make this dream a reality. Magoon is perfect because of its proximity to school. It allows me to ride my bike (my only form of transportation) in between classes to carefully examine my experiments and then dash back down to campus. If Magoon is removed or relocated, there is absolutely no way I would have been able to make this work considering my hectic schedule.

I ask that you please adopt SCR 136 and continue to make the TPSS Program at UH Mānoa a pillar in higher education. Magoon is so important to the program that if it no longer exists, I'll probably have a hard time recommending TPSS to prospective students. It breaks my heart to say that because I'll fondly look back at my experiences here for years to come. It is also my understanding that this school was first founded in 1907 with agriculture being one of the only two degrees offered. By removing Magoon, it would be a shame to see the integrity of this program decline after over one hundred years of helping the community, the island, and the global market as a whole. Again, please adopt SCR 136.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by
Roman Dycus

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify **in favor of** SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Roman Dycus. I am an interested member of the community and I live in Makiki.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Thank you for your time,

Roman Dycus
1670 Makaloa Street, Ste 204-314
Honolulu, HI 96814

UH Faculty—General Support

Personal Testimony Presented Before
the Senate Committee on Agriculture
Senator Clarence K. Nishihara, Chair
Friday, March 23, 2012
by
Travis Idol

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

My name is Travis Idol. I am an associate professor of tropical forestry and agroforestry at UH Manoa. I also manage facilities at the Magoon Research and Instruction Station for the department of Natural Resources and Environmental Management. However, today I am providing personal testimony.

I support Senate Concurrent Resolution 136 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and natural resource management.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering and small animal surgery.

In the past year alone, the greenhouse and field facilities I manage have supported 3 doctoral research projects, two master's projects, and has become the basis for CTAHR's student-led Sustainable and Organic Farm Training group. I strongly encourage our legislators to support SCR 136 and thereby assist CTAHR in training future generations who will help us achieve our shared vision of a sustainable economy, environment, and society.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

By
Brian M. Dote

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Brian M. Dote. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I have been a technical lead on grants promoting STEM education through use of aquaponics. The communities and students we service will be greatly impacted by the loss of this particular research facility. Its agriculture and stewardship activities in close proximity to the UH Manoa campus and Manoa community cannot be replaced or replicated.

My children attend Noelani Elementary School where kindergarten and first graders learn gardening and basic science/ag skills. These programs are why we love Noelani and the education our children are receiving.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Rory Ikeda

with Steven Kanno, Tom Kurashige

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to provide testimony in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Rory Ikeda and I am a teacher at 'Aiea Intermediate School and an interested member of the community.

The outreach services that have been provided by CTAHR researchers have been an invaluable resource as our school has worked to establish an aquaponics program at our school. The development of our system has come with a substantial price tag; however, the knowledge and advice shared by CTAHR research staff has made the investment tremendously worthwhile for the education of our students. They have taught the students that problem-solving is an on-going process and that the passing along of things learned elevates everyone. Continuation of the work done by CTAHR and the expansion into the general community through their outreach work in the elementary, middle, and high schools, facilitates the growth of science, technology, engineering, and math that is relevant to the sustainability of our island agribusiness.

The Magoon Facility provides an established center with continuity and integration of research and innovation that will benefit everyone as the ideas are implemented and students join the workforce. The Magoon Facility and all that it provides is necessary to Hawai'i's agricultural business as well as its overall economic health.

On behalf of our Principal, Tom Kurashige, and our lead aquaponics teacher, Steven Kanno, and myself, I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before the Senate Committee on Agriculture, Sen. Clarence Nishihara, Chair; Sen. Gilbert Kahele, Vice Chair

March 23, 2012 by Julia Wieting

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

Although I am a UH alumna (BA and MA), I have never been a student in CTAHR. However, after spending several Saturday afternoons volunteering at the Student Organic Farm Training (SOFT) farm, located in the Magoon Research and Teaching Facility, I wish I had been. SOFT didn't exist when I was a student, but since its inception at the behest of CTAHR students several years ago it has become a vital, dynamic training program in organic farming, urban agriculture, grant writing, and business management for its student members.

SOFT members have gained crucial hands-on training in planning, planting, harvesting, and marketing a variety of crops through their involvement in the organization. These skills have allowed them to successfully run a weekly farmers' market, to think creatively about how to transform unused areas of the UH Mānoa campus into productive land for crops like bananas and cassava, and to think ambitiously about applying for a USDA grant that can help to insure that SOFT becomes an integral part of CTAHR's curriculum for agricultural training.

The Magoon Research and Teaching Facility is at the heart of SOFT's success. Other testifiers can speak more powerfully to Magoon's utility for graduate agronomic research through their own involvement; indeed, my husband completed a significant portion of his PhD. research at Magoon. I can only speak to the value of having the necessary space and resources that an education needs in order to thrive. SOFT students – most of who are enrolled in CTAHR undergraduate and graduate degree courses – have in the Magoon Facility the land necessary to extend their classroom training and learn by *doing*. They take that resource seriously by continually working to make their farm, and their organization, as productive as possible.

If that land is reallocated to an enterprise like housing, there will be no way for this crucial hands-on experience to continue. While CTAHR has other research facilities that encompass a significant amount of acreage, such as in Waimānalo and Kunia, those locations present significant burdens to students who rely on the Mānoa campus for the bulk of their educational experience. Transportation to and from other sites is problematic for students without cars, and the farther away students need to go to apply their learning, the less time they have to actually do so.

Having a real world classroom in one's backyard is a blessing in this era of increasing cuts to educational spending, but it should never be thought of as a luxury. All students deserve to see how their education is situated in, and validated by, the real world. The fact that many of us didn't have similar resources in our fields doesn't mean that those that exist should not be safe guarded. Please show your support for that educational imperative by passing SCR 136 and upholding the Magoon Research and Teaching Facility's position as an invaluable resource to the students of UH Mānoa.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Friday, March 23, 2012 10:13 AM
To: AGL Testimony
Cc: mgalimba@kuahiwiranch.com
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Michelle Galimba
Organization: Individual
E-mail: mgalimba@kuahiwiranch.com
Submitted on: 3/23/2012

Comments:

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Friday, March 23, 2012 11:01 AM
To: AGL Testimony
Cc: mark.phillipson@syngenta.com
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Mark Phillipson
Organization: Individual
E-mail: mark.phillipson@syngenta.com
Submitted on: 3/23/2012

Comments:

Aloha, I am the general manager at Syngenta Hawaii, one of Hawaii's corn seed farm companies. I attended an ag school in California. Having our field sites on campus was essential for learning. Going to visit and tend to our experiments and crops from the classroom and not having to get in a car just makes good common sense. One would not have an office in one place their work site in another. Almost everyone lives in one place and works in another. Please keep the School of Ag and Magoon in one place.

Personal Testimony Presented Before
The Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

By

Craig I. Okazaki

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Dear, Chairman Nishihara, and members of the Senate Committee on Agriculture. Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Craig I. Okazaki. I have been employed for the past 27.5 years and have been the Magoon TPSS facility manager for the past 25 years. However, today I am providing my personal testimony.

I support Senate Resolution SCR 136, calling for the designation of CTAHR's Magoon Research and Teaching facility at the University of Hawaii as agricultural land to be protected for education and research purposes. My reasons for support of this resolution are personal both as an advocate for Hawaii agriculture industry and the need for hands on training for future students. For the past 27.5 years, I have expended a large portion of time and energy as both a technician and manager to make the Magoon TPSS facility, a 1st class teaching and research facility for faculty, students both Graduates and Undergrads, and for the Hawaii agriculture industry.

Recently, the University has spent 4.2 million dollars renovating all of the glass and shade houses as well as making all buildings ADA compliant. To demolish and rebuild a comparable facility elsewhere might cost UH and the Hawaii taxpayers another 20 to 30 million dollars because instead of being categorized as renovation work, it would be for total reconstruction thus cost would be based on current prices for building and development plans as well as for supplies needed. Not to mention all the current legal guidelines need to be addressed and followed.

In 2008, UH administration commissioned an assessment of 3 sites for future faculty housing. What's upsetting about the assessment is that the newly renovated Magoon facility is on top of that list. Obviously, UH Administration have no regard for the research and teaching conducted at the facility as well as it being a major component of CTAHR's mission to serve the Agriculture industries of Hawaii. I am very disappointed with the UH Administrations plans to demolish the recently renovated 4.2 million dollar Magoon facility for future faculty housing. The 4.2 million doesn't include the funds used to recently demo and upgrade the AC unit at the Small Animal facility and to repair and renovate the roof and 2nd floor of the NREM headhouse

In summary, with this testimony, I am opposed to the UH Administrations plan to demolish the Magoon facility and replace it with faculty housing. As a lifelong State of Hawaii taxpayer, I do not understand how approximately 5 million dollars of our money can be recently used to renovate an important facility as Magoon and a few years later considering to demolish it and possibly causing major damage to future agricultural education, research, and assistance to the Hawaii Agriculture industry. In my humble opinion, this action by the UH Administration should not be allowed to happen especially during these times of the highest economic disorder in Hawaii's history where hundreds of loyal state and university employees got laid off of work due to lack of funding. Finally, I respectfully ask for your support for this resolution to keep the Magoon facility and move any plans for faculty housing to one of the other 2 sites on the assessment of 2008. Aloha & Mahalo.

Testimony in support of SCR136
Gregg Kaneko
Mid-Pacific Institute
High School Science Teacher

I support SCR136 for 2 main reasons.

1. As a resident of Hawaii I am deeply concerned with issues surrounding food sustainability, preservation of native plants, and economic vigor here in this State. The research occurring at Magoon Research Station is of critical importance to address these issues, that in my opinion, will only get worse unless we (residents of Hawaii) make an active effort to solve them. I would urge the University's administration to seek alternate locations for faculty housing.

Another critical importance of the research at Magoon Research Station is that it directly addresses objectives defined in the Hawaii 2050 Sustainability Task Force. The task force was enacted by Hawaii Legislatures, supporting one is supporting both.

2. As a teacher at Mid-Pacific Institute the findings and research from the Magoon Research Station has been an essential part of my curriculum. My classes are much more engaging and rich with the knowledge from the professors utilizing the Magoon Research Station. Not only is the information unique, its local, making for a more meaningful lesson.

I urge the University of Hawaii to seek alternate locations for faculty housing as the Magoon Research Station serves a critical importance to Hawaii and its residents.



Gregg Kaneko

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Halina M. Zaleski, PhD

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Halina M. Zaleski. I am an Extension Specialist at UH-Mānoa. However, today I am providing personal testimony.

I support SCR 136, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Mānoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research. Laboratories have to be within walking distance of classrooms for students to use them.
- Its location immediately adjacent to the Mānoa campus is the only site that allows convenient access to a small animal facility. Animals require daily care and feeding by students and researchers so facilities must be close enough to provide animal care without disrupting other work.
- Magoon represents a sizable investment in unique facilities, unavailable elsewhere at UH-Mānoa, that support research and instruction in plant genetic engineering and small animal surgery.
- Magoon is a site of community outreach and supports elementary students' STEM curriculum.

I strongly encourage our legislators to support SCR 136 and thereby assist CTAHR in training Hawai'i's future generations of farmers, nurserymen, landscape specialists, veterinarians, and animal and agricultural scientists.

March 27, 2012

To: Senate Committee on Agriculture
Sen. Nishihara, Chair
Sen. Kahele, Vice Chair

Personal Testimony by: Chris Kadooka

Regarding: SCR 136, to keep the Magoon Research and Teaching Facility, I SUPPORT this bill.

The Magoon Research Facility is an indispensable component of the College of Tropical Agriculture and Human Resources teaching and research program. It provides field plots for researchers to test new growing techniques, propagate new ornamental and vegetable crops, test innovative designs for plant propagation, examine organic and traditional techniques for cultivating crops, provides greenhouses to cultivate new disease resistant ornamental and vegetable crops for Hawaii's farmers, and is a site for community outreach to show elementary school students how vegetable crops are grown.

The facility is heavily used, is in close proximity to the UH Manoa campus, which allows student to walk to classes. It also allows researchers the efficiently monitor and maintain experiments. Moving the research site anywhere else will add significant cost to projects because of increased travel time, and will reduce the amount of research results.

Faculty housing is needed, but it can be accommodated at a different site. Please do not sacrifice the benefits this research facility provides to so many in order to provide housing for a few.

Thank you for your time.

Sincerely,

Chris Kadooka

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Lisa Kitagawa-Akagi

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

My name is Lisa Kitagawa-Akagi and I am the Student Services Specialist at the College of Tropical Agriculture and Human Resources (CTAHR) at UH Manoa. However, today I am providing personal testimony

I support SCR 136, which calls for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes.

As the Student Services Specialist at CTAHR, I have the opportunity to work with our College's students every day. Through my interactions with them, I know how important it is for students to have opportunities for hands-on research and experience in agriculture. The Magoon Research and Teaching Facility, which is a short walk or shuttle ride away from the Manoa campus, provides a convenient location for students to engage in this type of hands-on learning and research. It provides students with real-world experience, as well as opportunities for careers in agriculture and research.

I strongly encourage our legislators to support SCR 136 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Harry C. "Skip" Bittenbender

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture:

Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Skip Bittenbender. I have been a professor and extension specialist in tropical agriculture at UH Manoa since 1986. However, today I am providing personal testimony as a St. Louis Heights resident.

I support Senate Resolution SCR 136 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes.

The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research. All my graduate students have benefitted greatly from day to day interaction at Magoon with their research and teaching projects on coffee, cacao, and 'awa.

Much biological research and laboratory instruction requires daily attention that must be fitted into students class schedules. A 10 minute walk to Magoon is feasible. Eighty minutes round trip to Waimanalo, our closest research station plus gas and vehicle destroys the potential of quality educational experience while increasing the cost to the student, faculty and taxpayer.

Faculty housing does help our university recruit new faculty. The impact of UHM faculty housing located on Dole street has been positive for Hokulani School enrollment. The same can be said for the faculty housing on Woodlawn Drive helped Noelani School.

If additional faculty housing is needed, then we should help another public elementary school in the Moiliili community without destroying this important part of the University. Our administration should seek partnerships with the major land owners in Moiliili to develop faculty housing.

I strongly encourage our legislators to support SCR 136 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists and Manoa residents via our interaction with the community schools.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

Tuesday, March 27, 2012

by

Clyde S. Tamaru

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

My name is Clyde S. Tamaru. I am an Aquaculture Specialist at UH Manoa. However, today I am providing personal testimony and am not representing the University of Hawaii.

I support Senate Continuing Resolution 136 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensable for the College of Tropical Agriculture and Human Resources (CTAHR) curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its central location in Manoa Valley and ease of access makes it also ideal for conducting hands on agricultural training, extension and outreach projects with the community in general.
- Its location immediately adjacent to the Manoa campus, Noelani Elementary School, Mi-Pacific High School and is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering, aquaculture/aquaponics and small animal surgery.

I strongly encourage our legislators to support SCR 136 and thereby assist CTAHR in training Hawaii's future generations of farmers, stewards, nurserymen, agricultural entrepreneurs, landscape specialists, and agricultural scholars.

Personal Testimony Presented Before the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
TIME: 2:45 PM
PLACE: Conference Room 229
State Capitol 415 South Beretania Street

By: Sheila Cyboron

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Sheila Cyboron and I am a science teacher and Board member of the Waikalua Loko Fishpond Preservation Society. I am providing testimony and strongly support SCR 136 for the following reasons:

Since the foundation in 1907 as a land grant college, the University of Hawaii has become a destination of choice for students and faculty that come from across the nation and the world to take advantage of UH Mānoa's unique research and educational opportunities, diverse community, nationally-ranked Division I athletics program, and beautiful landscape. Consistently ranked a "best value" among U.S. colleges and universities, UH is also noted for being:

- one of only 32 institutions in the U.S. to hold the distinction of being a land-, sea-, space-and sun-grant research institution
- UH Mānoa is ranked in the top 30 public universities in federal research funding for engineering and science and ranked 49th overall by the National Science Foundation.
- classified by the Carnegie Foundation as having "very high research activity,"
- ranked among the top 10 in the nation according to U.S. News & World Report: America's Best Graduate Schools 2012 in the Library and Information Science program, school library media specialization

Clearly UH must continue to plan and complete capital improvements necessary for the University of Hawaii to remain competitive in the 21st century. HOWEVER, during the planning there must be some assurance that capital improvements (e.g., faculty housing) are to take place where they will NOT jeopardize other UH colleges or programs such as the Magoon Agricultural Research Station located in Manoa Valley. This particular research facility plays a pivotal role in the programs, outputs and impacts that the College of Tropical Agriculture and Human Resources (CTAHR), the founding college of the University of Hawaii, provides for the State of Hawaii. Its agriculture and stewardship activities in close proximity to the UH Manoa campus and Manoa community cannot be replaced or replicated. Capital improvements should be pursued that would result in the overall improvement at the Magoon facility and thereby improve CTAHR's research, education and outreach mandates, ultimately improving the capacity of UH to fulfill its vision and mission.

In conclusion I support SCR 136 as it clearly reaffirms that UH Manoa follow its Long Range Development Plans and designate the Magoon Agricultural Research Station to remain as part of CTAHR due to its continuing importance to the students, community and State's economy.

Signature

Sheila A. Cyboron

Personal Testimony Presented Before the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
TIME: 2:45 PM
PLACE: Conference Room 229
State Capitol 415 South Beretania Street

By: Zac Hossler

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairmen Nishihara and Kahele: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Zac Hossler and I am an interested member in the community.

I am a newly established aquaponic farmer located in Kailua Kona and one of the state's producers of aquaponically grown leafy greens. My business have benefitted directly from the research and extension efforts of the College of Tropical Agriculture and Human Resources (CTAHR). My company have partnered with researchers at CTAHR and understand that there capacity to provide the kinds of science based information that is needed for this emerging technology would be augmented with the



increased capacity at Magoon Research Facility. I have been grateful for the assistance of CTAHR scholars and look forward to collaborating with those that will be based out of the Magoon facility for many years to come.

For all these reasons I strongly encourage our legislators to support SCR and designate Magoon to CTAHR.

Zachary Hosler

Zachary Hosler
Livng Aquaponics Inc
808-896-1817

Personal Testimony Presented Before the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
TIME: 2:45 PM
PLACE: Conference Room 229
State Capitol 415 South Beretania Street

By: Amy Martinson, Principal
Highlands Intermediate School

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairmen Nishihara and Vice Chair Kahele: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

Highlands Intermediate School is a STEM (Science, Technology, Engineering, and Math) school. Teachers and students are involved in several STEM projects through partnerships with the University of Hawaii College of Engineering, **College of Tropical Agriculture and Human Resources**, College of Media Design, Department of Health, Apple, Hapa Farms, iSIS Hawaii, Lawrence University, ROC (Governor's Robotics Committee), and other public and private organizations. These partners provide industry professionals to mentor students, provide consultation and sometimes, resources to implement the initiatives. Some of these projects include Robotics (First Lego League, Robofest, Underwater Robotics, Microbots, Brushbots, VEX, etc.), 3D CAD (Computer-Assisted Design), Microscopy, **Aquaponics**, Science Olympiad, State Science and Engineering Expo, Creative Media Academy, and others.

CTAHR is a major partner in our Aquaponics Project in our efforts to instruct students and community members to be more self-sustaining and resourceful. We rely on the research, products (fish, produce), and expertise of CTAHR staff for our public school project. Through CTAHR, we have been able to impact almost 1000 students and families annually, as well as educating the Pearl City community about environmental preservation, self-sustainability, nutrition, and other topics such as using available resources in the community to create patiaponics to raise fish and produce.

We welcome you to visit our Aquaponics Garden to see the active learning that takes place. Attached you will find a photograph of our garden.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.
Attachment, page 2 Testimony Highlands Intermediate School

TESTIMONY OF MATTHEW LOKE, Ph.D.

**BEFORE THE SENATE COMMITTEE ON AGRICULTURE
TUESDAY, MARCH 27, 2012
2:45 P.M.
CONFERENCE ROOM 229**

**SENATE CONCURRENT RESOLUTION 136
URGING THE UNIVERSITY OF HAWAII TO DESIGNATE THE MAGOON RESEARCH
AND TEACHING FACILITY SITE FOR THE UNIVERSITY OF HAWAII AT MANOA
COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES**

Chairperson Nishihara and Members of the Committee:

Thank you for the opportunity to testify in **strong support** of SCR 136, which calls for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes.

I believe the Magoon Facility should be protected for the following reasons:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research;
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules;
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in bio-engineering and small animal surgery; and
- The Hawaii Department of Agriculture (HDOA) is actively pursuing phyto-sanitation protocols with countries such as China and Korea with the goal of opening new markets for Hawaii floriculture and other agriculture products in the near future. Hawaii, known for its high cost of production, relies exclusively on new cultivars and superior products to compete in global markets. The Magoon facility helps to produce these new cultivars and varieties with superior qualities. Without the facility, all the HDOA efforts are rendered futile.

I ask for your support in advancing SCR 136 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, agricultural scientists and in producing new cultivars, varieties, and techniques of superior qualities to help our agricultural producers compete effectively in global markets.

Respectfully Submitted,



Personal Testimony Presented Before the Senate Committee on
Agriculture

Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

Tuesday, March 27, 2012

TIME: 2:45 PM

PLACE: Conference Room 229
State Capitol 415 South Beretania Street

By: Judith Dacanay

Support for SCR 136, Relating to the Magoon Research and Teaching
Facility



Chairmen Nishihara and Vice Chair Kahele: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Judith Dacanay and I am very concerned and disappointed to hear that the University of Hawaii is even considering replacing CTAHR's Magoon Field Station site with faculty housing. I'm not against increasing faculty housing, however, replacing the Magoon site would be detrimental to the College of Tropical Agriculture and Human Resources (CTAHR). Much of the scientific research that starts there extends into our community. We have benefitted first hand from CTAHR's research and extension programs.

I am an Occupational Therapist at Hawaii State Hospital. I have had the pleasure of working with Clyde Tamaru and his Windward extension CTAHR staff since March of 2010. At that time, Clyde was instrumental in launching Hawaii State Hospital's Aquaponics Work Program. He not only shared his knowledge and expertise in Aquaponics, but he generated community donations (monetary, supplies and labor) to make it happen. He organized community volunteers and assisted our staff and patient's with building our own Aquaponic's system from the ground up. Clyde and his colleagues are constantly called upon to assist us with everything from tank malfunctions to problems with our water chemistry.

Our patient's have truly benefitted from the Aquaponic's Work Program. They come to work with a sense of purpose and pride. They do everything from feeding the fish, planting, harvesting, doing water chemistry, performing tank maintenance.

Our patient's are developing work skills and confidence as they perform their daily aquaponics work tasks. They are not only developing work ethics, coping skills, communication skills, but they are also increasing their knowledge in a field that is growing rapidly. They are learning how to become more self-reliant though Aquaponics and how to conserve water. Through the experience of some fish dying, they have learned about water chemistry and the importance of maintaining a proper pH. Some are curious and want to know how the nitrogen cycle works. Some have expressed interest in building an aquaponics system once they are discharged.

Clyde has also been instrumental in helping us transition patients into the community through his wide range of community contacts. Thanks to Clyde many of our patient's have had the opportunity to visit Mari's Garden (a commercial Aquaponics Farm in Mililani). This was very inspiring and rewarding for our patients.

I am honored to be able to work with Clyde Tamaru and his dedicated CTAHR staff at the Windward Community College. CTAHR'S work extends from Magoon laboratory into the community for practical application. We have benefitted first hand from this. We have participated in plant growth science experiments where our patients collect and record the data and we give it to Clyde and his staff to analyze. Clyde is not only making a difference through sharing his scientific knowledge with the community, he making a difference in the lives of patients at Hawaii State Hospital.

Please do not build faculty housing at the Magoon site.

Judy Dacanay
Aquaponics Work Program Coordinator
Occupational Therapist/Hawaii State Hospital

Personal Testimony Presented Before the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
TIME: 2:45 PM
PLACE: Conference Room 229
State Capitol 415 South Beretania Street

By: Luisa Castro

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

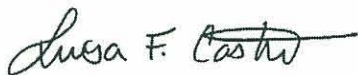
Chairmen Nishihara and Vice Chair Kahele: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Luisa F. Castro and I am an Extension Educator with the College of Tropical Agriculture and Human Resources (CTAHR) at the University of Hawaii (UH). I am providing testimony as a private citizen and do not represent the University of Hawaii. I strongly support SCR 136, Relating to the Magoon Research and Teaching Facility for the following reasons:

SCR 136 will provide the necessary guidance to plan and complete capital improvements necessary for UH to remain competitive in the 21st century. It does so by pointing out the shortfalls of planning to have capital improvements, such as faculty housing, taking place at locations like the Magoon Agricultural Research Station located in Manoa. This particular research facility plays a pivotal role in the programs, outputs and impacts that CTAHR, our founding college, provides for the State of Hawaii. Capital improvements should be conducted that would result in the overall improvement at the Magoon facility and thereby improve CTAHR's research, education and outreach mandates ultimately improving the capacity of UH to fulfill its vision and mission. There are many other places and means in which faculty housing can be implemented or assistance provided without having to sacrifice the capacity of CTAHR by taking away the Magoon Agricultural Research facility.

I fully support passage of CCR 136 as it provides a clear message that capital improvement projects, like faculty housing, should only occur at locations other than at the Magoon Agricultural Research Station thus insuring the competitiveness of UH is enhanced rather than diminished.

Respectively:



Luisa F. Castro

Personal Testimony Presented Before the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
TIME: 2:45 PM
PLACE: Conference Room 229
State Capitol 415 South Beretania Street

By: Judith Inouye

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairmen Nishihara and Vice Chair Kahele: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Judith Inouye, a retired science teacher and currently a teacher facilitator of a UH STEM Project and am an interested member of the community.

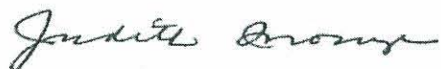
Recently it was brought to my attention that the fate of the Magoon Ag Research Center might be in jeopardy. While I support the allocation of funds for improving UH such as faculty housing, I strongly believe that it should not be done by sacrificing the Ag Research Center.

I am very concerned about our State's priorities as regards to science and engineering **RESEARCH** at a time when we are constantly reminded of the need to foster those areas to make our nation strong. Please do not reduce the priority for science and engineering research at University of Hawaii.

Throughout my career as a science teacher, I sought the expertise of countless researchers at UH who impacted me and my students greatly for field trips, science research projects, and numerous classroom activities.

More recently CTAHR researchers, Dr. Clyde Tamaru, Dr. Samir Khanal, Dr. Jon Paul Bingham, Dr. D Borthakur have been instrumental in sharing their research and their research facilities with groups of teachers interested in improving their STEM Curriculum. They are impacting teachers and students in our State.

I am looking forward to the new Hale Tuahine facility as another resource for teachers in our State. Teachers and students learn a great deal from visiting a research site. Recent national statistics are indicating that Hawaii's science teachers need support from all who can improve their curriculum. The Magoon Ag Research Facility can provide this kind of support.



Judith Inouye

Personal Testimony Presented Before the Senate Committee on Agriculture

Sen. Clarence Nishihara, Chair

Sen. Gilbert Kahele, Vice Chair

Tuesday, March 27, 2012

TIME: 2:45 PM

PLACE: Conference Room 229

State Capitol 415 South Beretania Street

By: Ken Kajihara of Kipuka Kalani'iki

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairmen Nishihara and Vice Chair Kahele: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Ken Kajihara and I am a 1975 CTAHR graduate.

As part of my program of study at the University of Hawaii, I did lab work at Magoon and those formative experiences helped me in my careers in agricultural education, environmental safety, and school facilities management.

I am also a volunteer with Kipuka Kalani'iki, the Kalani High School and Kalani Complex sustainability program. As part of our K-12 sustainability initiative, we use data-driven and research-based STEM approaches to address the real-world issues of food and energy independence and green jobs preparation.

However, in order to do this with integrity, we need the resources that only Magoon and its staff can provide. The facility and personnel are accessible to urban schools and uniquely positioned for both on-site and outreach technology transfer.

I therefore strongly encourage you to support SCR 136 and designate Magoon to CTAHR.

March 27, 2012

TESTIMONY FOR SCR 136
SENATE COMMITTEE ON AGRICULTURE

I fully support SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). As a PhD student at the Department of Tropical Plant and Soil Sciences (one of several departments in CTAHR), I use the Magoon Research Facility for conducting my field experiments and for preparing materials for use in the laboratory back on campus or at another research station. It is the only area within the Manoa campus where small scale field-based research can be conducted. Due to its location and proximity to the campus and to public transportation, research experiments can be closely monitored. The facility also houses equipment (i.e. large drying ovens, seed cleaning equipment, storage facilities for spray equipment, herbicides, fertilizers) that otherwise, would not be available on-campus.

Magoon plays a pivotal role in our research to develop innovative uses of native Hawaiian plants. Our goal is to develop technologies that would utilize these plants with both sustainability and conservation in mind. The research that we are currently doing in the facility may help expand the use of native Hawaiian plants in erosion control, agricultural buffer strips, roadside re-vegetation, landscaping, forage and biofuels.

Besides its role in supporting research activities, Magoon also serves as a teaching facility for both undergraduate and graduate students. The facility provides opportunities for hands-on experience in crop cultivation, propagation and pest management. If the facility is taken away from CTAHR, the field-based learning experience, which is fundamental in the agriculture profession, will be compromised.

Orville Baldos
Graduate student, Tropical Plant and Soil Sciences
University of Hawaii at Manoa
obaldos@hawaii.edu

Testimony on _____
Prepared by: Alton S. Arakaki

My name is Alton Arakaki. For the last 30 years I've been a County Extension Agent for the College of Tropical Agriculture and Human Resources (CTAHR), Cooperative Extension Service on Moloka'i and Lana'i. My students out in these communities are farmers.

I am in support of the passage of _____ that urges the University of Hawaii to reaffirm its Long Range Development Plan developed in February 1967 and shortly after the Mauka Manoa lands were purchased with land-grant funds, and designated the portion known as the Magoon Research and Teaching Facility site for the University of Hawaii at Manoa College of Tropical Agriculture and Human Resources to be used to learn and make new discoveries in agriculture and used to teach students and community about agriculture to improve economic wellbeing of the State of Hawaii.

As an Extension Agent I had the opportunity to conduct agriculture educational programs on Moloka'i and Lana'i during the critical transitional period in Hawaii's agriculture history that shifted from plantation agriculture to diversified farming. Agriculture and farming is a performance profession and occupation. It is not possible to achieve excellence in teaching and learning agriculture by watching PowerPoint presentations, succeeding in website searches, listening to lectures or reading textbooks. Magoon Research and Teaching Facility represent the last piece of property near University of Hawaii at Manoa that allow students and faculty of CTAHR to perform agriculture.

I and farmers that I work with have benefited from students and faculties that gained hands-on experience and made new agricultural discoveries at the Magoon Research and Teaching Facility. I have also experienced how excellences in teaching and learning agriculture have benefited farmers in Hawaii to compete in our global economy. Magoon Research and Teaching Facility allow excellence in agriculture education to take place in Hawaii. The Magoon Research and Teaching Facility will continue to contribute to improving the economic wellbeing of the agriculture communities and the State of Hawaii. The cost of not having a Magoon facility for the State of Hawaii far outweighs the benefit of replacing Magoon with faculty housing.

March 23, 2012

Senate Committee on Agriculture
Senator Clarence K. Nishihara, Chair

Twenty-Sixth State Legislature
Regular Session of 2012, State of Hawai'i
LEGISLATIVE TESTIMONY IN SUPPORT OF SCR 136
Hearing Date: March 27, 2012, 2:45 pm
Where: Conference Room 229

Submitted by:
Joe Blanco

Chair Nishihara, Vice-Chair Kahele, and members of the Senate Committee on Agriculture, I am pleased to submit testimony in **strong support** of SCR 136.

For over 2 decades, I have watched the College of Tropical Agriculture and Human Resources (CTAHR) experience a steady decline of support from campus and system administrators, as well as the UH Board of Regents.

As a former University of Hawaii Board of Regent and BOR chair, it is worth repeating that the UH Manoa campus has its founding roots in agriculture. The campus had a very humble beginning in 1907 as a land-grant college of agriculture and mechanic arts. In 1912, pig farms and kiawe groves surrounded Hawaii Hall, the first permanent building built on the Manoa campus. The building where the CTAHR dean's office is located was named after John Washington Gilmore, the first president of the College of Hawaii (the predecessor of the University of Hawaii at Manoa), who was the son of a farmer. President Gilmore was tasked to build Hawaii's first agriculture school.

One hundred years have passed since the establishment of the Manoa campus and during that time the CTAHR has played, and continues to play, a key role in helping government and private industry shape Hawaii's agriculture history. The College's rich history and its long tradition of public-private sector collaboration, dates back to its founding years at the Manoa Campus. CTAHR remains focused on its founding tenets of helping diversify our economy, ensuring a sustainable environment, and building stronger families and communities.

Given the Manoa campus's founding roots in agriculture, the proposed use of the Magoon site for faculty housing is most disappointing. The University must not lose site of one of its

founding tenets as a land grant college. University administrators must remain mindful of its duty to the mission of agricultural research, teaching, and ag extension services.

To encourage and stimulate more interests in agriculture and agriculture research, a working agriculture laboratory within close proximity to the UH Manoa campus, which is the University's primary research campus, is critical and paramount to CTAHR's efforts. The Magoon site currently serves that purpose. Without doubt, the proposed repurposing of the Magoon site for residential purposes will relegate the current Oahu users to conduct their teaching and research activities at other venues such as existing agricultural extension stations located in Waimanalo, Waianae, or Pearl City, and/or Windward and Leeward Community Colleges. Doing so is clearly detrimental to CTAHR and its mission. The Magoon research site is irreplaceable; I strongly encourage the Legislature to voice a clear unified view on the need for the Magoon site to remain for CTAHR's exclusively use.

Having worked in the Executive Chambers for almost 8 years, other suitable state lands could be developed for faculty housing. For example, portions of the Leahi Hospital lands, located on the slopes of Diamond Head, and the former Kapiolani Community College campus, located on the corner of Piikoi and Kapiolani, (which currently serves as a construction base yard) are attractive alternative sites. Through the governor's executive powers, any of these sites can be used for such purposes.

I served on the Board of Regents during the time the two faculty housing projects on Lowrey Avenue offering for rent and for-sale units were conceived, developed, and placed into service. The primary purpose of those developments was to provide the University with an additional recruitment tool for recently appointed tenured-track faculty. Because of resale restrictions, many of the condo units did not sell and the unsold units were taken off the market and were offered as rentals. It was NOT the board's intention for these rental units to serve as a long-term housing solution for university faculty, staff, administrator, and especially tenured faculty. This Committee may wish to consider incorporating in the resolution UH furnishing a comprehensive report on the minimum, maximum, and average duration of stay per unit, UH classification types and numbers who have or are residing at the housing complex, and whether a household income-means test is used when determining eligibility and/or the priority to reside at the complex.

In closing, I strongly urge this Committee, as well as the members of the State Legislature, to pass this important resolution.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Bernardino G. Cagauan, Jr.
President, Tropical Orchid Growers Association of Hawaii

Support for SCR136 Relating to the Magoon Research and Teaching Facility

Chair Nishihara, Vice Chair Kahele, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Bernardino G. Cagauan, Jr. I am an interested member of the community.

I am a commercial orchid grower located at 87-911 Apuupuu Road, Waianae, HI. I also represent fourteen other commercial orchid growers in Hawaii being the President of our association, the Tropical Orchid Growers Association of Hawaii. Throughout the last 30 years the members of our association (formerly the Dendrobium Orchid Growers Association of Hawaii) have relied on the Magoon Facility as a source of dendrobium orchid seed materials which are not available anywhere. As a matter of fact, it is from this facility that the dendrobium cutflower orchid industry was born through the research of Dr. H. Kamemoto (now retired) and his students on superior cutflower cultivars. This group also developed many outstanding dendrobium cultivars that have qualities which are now in great demand in many mainland and foreign markets. With the competition coming from Taiwan and Thailand which threatens the viability of the orchid industry, this research capability of this facility must be strongly maintained and even expanded. Hence, the availability of orchid seed materials must continue and the development of new and superior cultivars must be pursued.

Magoon is one of the few places that students can get the training to go into other important horticultural business which has large economic implications for the state. It is also the only facility where students' training in such horticulturally essential topics as fertilizers, weed control, nematodes, and biofuels, can be integrated with the full range of laboratories, classrooms, and facilities that the UH-Manoa campus has to offer. I hope that the state, with its larger self interest, comes to an understanding of the importance of investing in the next generation of agribusiness persons. For all these reasons I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
By
Teresita D. Amore

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chair Nishihara, Vice Chair Kahele, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Teresita D. Amore. I am an Assistant Researcher at with the Department of Tropical Plant and Soil Sciences of the College of Tropical Agriculture and Human Resources at UH Mānoa. However, today I am providing personal testimony.

I support SCR 136 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Mānoa as agricultural land to be protected for education and research purposes. As a researcher who conducts anthurium and dendrobium orchid breeding at the Magoon Facility, I have direct knowledge of the Facility's value to the college, to the university and the local economy.

CTAHR develops new varieties of dendrobium orchid and anthurium, in cooperation with the commercial orchid and anthurium growers associations, for the Hawaii flower and nursery industry. Breeding research activities, a number of which include graduate student research projects, have been carried out at the Magoon Facility since the 1960s. To date, CTAHR has produced 48 anthurium varieties and 44 dendrobium varieties, a number of which have become standards in the flower industry. New varieties allow our dendrobium orchid industry, which contributed about \$5.3M in the Hawaii economy in 2010, and our anthurium industry, valued at about \$3.4M in 2010, to remain viable components of Hawaii's diversified agriculture.

Cultivar development takes about 6 years from germination for dendrobium, and about 8-14 years from seedling selection for anthurium. We have plants in the Magoon Facility greenhouses at different stages of growth, from seedlings to mature flowering stock material. We are evaluating the new selections constantly and observing which ones will be suitable for the industry's needs. Moving greenhouses or relocation to a new site are disruptions that will result in major setbacks in the research, and consequently delay the release of new varieties for the industry. Keeping the Magoon Facility allows CTAHR to effectively carry out its mission of research, education and outreach.

I strongly urge our legislators to support SCR 136

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Nalani Aki

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify **in support** of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Nalani Aki and I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of agriculture workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. I have met and worked with several people who have been trained by CTAHR and am convinced that their program is the future for our young people and for the betterment of our island home. Magoon is a necessary part of providing education and hands-on experiences, essential components to education and learning. It is for these reasons I ask that Magoon be designated to CTAHR.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
The Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Dr. Douglas L. Vincent

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chair Nishihara and Vice-Chair Kahele, thank you for permitting me to testify. My name is Douglas L. Vincent. I am the Department Chair of the Department of Human Nutrition, Food and Animal Sciences. I am also Chair of the Manoa Faculty Senate Committee on Administration and Budget. While I am all these things, my testimony in support of SCR136 is my own and does not represent the University of Hawaii.

My Department, which has over 100 Animal Science majors, would be crippled if we lost the Magoon Research and Teaching Facility. One of the buildings in CTAHR's Magoon Facility is the Woodlawn Small Animal Care facility, a small vivarium used by instructors and researchers using animals in our Department. The Small Animal Care Facility is used for poultry, aquaculture and growth physiology research. It is also used for instruction. In particular the labs there are used for the ANSC 301 Anatomy of Domestic Animals class – the only large animal laboratory on or near the Manoa Campus. The close proximity of the facility for our students, makes learning the anatomy of domestic animals much easier. The large animal surgery room permits the gathering of information and the direct hands-on instruction for our students, many of whom need this class to prepare them for application to Veterinary School. We are also working closely with the Windward Community College Veterinary Technician training program to enable their students to use the surgery for their training. The building also houses the only permitted pathological incinerator on the UH campus.

As Chair of the Manoa Faculty Senate Committee on Administration and Budget, we recently passed unanimously a resolution in favor of preserving the Magoon Research and Teaching Facility. On March 21, 2012, that same resolution was passed by the entire Manoa Faculty Senate (93% in favor) urging the UH Administration to preserve the Magoon Research and Training Facility for CTAHR's purposes. The Manoa Faculty Senate Resolution can be found at this web site:

http://www.hawaii.edu/uhmfs/documents/2011_12/20120321_reso_ctahrmagoonfacility.html

What bewilders me is that the UH Administration spent over \$4.2 Million dollars (in 2005 to 2008) to renovate the Magoon Facility upgrading buildings and greenhouses, and yet at the same time funded a site selection plan for faculty housing that identified the Magoon site as one of four sites. And this year, the UH administration has funded, some say over a half-million dollars, a design/build architectural consultancy to develop plans for the site. Why would we

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Linda C. Fox, Ph.D.

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Linda C. Fox, Ph.D.. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, March 24, 2012 1:19 PM
To: AGL Testimony
Cc: snhawaii@yahoo.com
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Stuart Novick
Organization: Individual
E-mail: snhawaii@yahoo.com
Submitted on: 3/24/2012

Comments:

Great resolution. I urge support without reservation. Thank you.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Glenn Bauer

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Glenn Bauer. I am an interested member of the community and retiree from state government. I worked for 35 years with the Honolulu Board of Water Supply and as State Geologist with the Department of Land and Natural Resources. I know that the aquaponics is sustainable farming, and that our family has firsthand experience in its viability.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Scott Lukas

My name is Scott Lukas, I am Ph.D student in the Tropical Plant and Soil Sciences department at UH at Manoa. I earned my Masters of Science degree last year through the University of Hawaii. My masters research experiments were directed at expanding usage of Native Hawaiian plants for Hawaii's roadways. The research accomplished benefits the state of Hawaii, and was conducted at the Magoon research facility. I am just one of many students who's academic pursuits are enabled by the usage of the Magoon.

The Magoon Research and instructional facility represents an invaluable resource for CTAHR, the University of Hawaii, and the entire state.

Research and education activities conducted at Magoon, aligns with the Hawaii 2050 sustainability plan created in 2005 by the State legislature. From the 2050 plan, there are 9 intermediate steps to be accomplished for the year 2020, the science and teaching activities conducted at Magoon directly supports 4 of the 9 benchmark priorities.

These steps directly from the sustainability plan are as follows:

Strengthen public education: We accomplish this step at Magoon through college level courses and laboratory sessions and also by providing agricultural learning opportunities and field days for local elementary schools.

Reduce reliance of fossil fuels. The facility houses Research directed at determining potential biofuel species and through breeding development of current biofuel plants.

Create a sustainability ethic. This is accomplished through sustainable agricultural practices being utilized on the facility and being taught to students. Community groups participate in programs designed in raising sustainability awareness and education ranging from vegetable gardening to Native Hawaiian plant restoration.

Increases production and consumption of local foods and products, particularly agriculture. At Magoon, We have research focused on increasing sustainable farm practices, fruit production, floriculture, native Hawaiian plant usage, turfgrass and landscape training and

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Mele Chillingworth

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Mele. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Honolulu, March 24, 2012

Testimony offered in Support of Senate Resolution 136 "URGING THE UNIVERSITY OF HAWAII TO DESIGNATE THE MAGOON RESEARCH AND TEACHING FACILITY SITE FOR THE UNIVERSITY OF HAWAII AT MANOA COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES."

My Name is Russell S. Yost, Professor of Tropical Plant and Soil Science, University of Hawai'i at Manoa. My testimony is in support of the SCR136 for these reasons:

During the 35 years that I've been at the University of Hawai'i, I've graduated some 50 students with advanced degrees (M.S. and Ph.D. degrees). The use of the Magoon facilities has been integral to the development of their research capability by providing practical, hands-on training with typical plants and soils of Hawaii as well as the Pacific Basin (Marshall Islands, Mariana Islands), the Tropical World (The Philippines and SE Asia), as well as Africa (West Africa including Mali, Senegal, The Gambia and Cabo Verde; Southern Africa including Angola and Mozambique). We collect samples of plants and soils from key trouble areas within the State or regarding critical limitations to Hawaii agriculture and bring those samples of plants and soils to the Magoon facility for study, problem identification, and teaching. The students do the key experimental work but under the watchful eye of UH-CTAHR faculty, who visit the experiments daily to review progress and check so that the best of modern science is applied to study Hawai'i's issues, constraints and problems. These facilities, both the greenhouses, small portions of land outside the greenhouse area provide space for "out of doors" testing and experimentation for the betterment of the students and for the more accurate testing / experimentation to solve the agricultural problems of Hawai'i.

These facilities have played a key role in CTAHR's support of Hawai'i Agriculture in the past, currently, and are needed in the future to address the Agriculture and Self-Sufficiency issues of both today and tomorrow. With the concern about the Autonomy of the Islands with regard to food self-sufficiency, and the need for increased safety and quality assurance of our food supply, it is clear that the Magoon facilities will play an even greater role in the future of Hawai'i, the Pacific Basin it also serves, and the Tropical World that is addressed by Professors, Researchers, and Teachers in CTAHR, University of Hawai'i at Manoa.

I thank the Senate Committee evaluating SCR136 for accepting this testimony in support of this critical set of buildings, land, and environment for the edification of students and of the research and extension carried out by the College of Tropical Agriculture and Human Resources (CTAHR).

Thank you

Russell S. Yost
Professor of Tropical Plant and Soil Science
March 24, 2012

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Carol M Fox

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Carol M Fox. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Mike Bennett

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify **in favor** of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Mike Bennett. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Eric Woynaroski

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Eric Woynaroski. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Macy Wessel

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Macy Wessel. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of agricultural workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before the Senate Committee on Agriculture

Sen. Clarence Nishihara, Chair

Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Robert E. Paull

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Robert Paull. I am a Professor and the Chairman of the Department of Tropical Plant and Soil Sciences at UH-Mānoa. However, today I am providing personal testimony.

I support SCR 136, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Mānoa as agricultural land to be protected for education and research purposes only.

The Magoon Facility is indispensable for the department to provide undergraduate and graduate students with training in practical, hands-on applications of agricultural production and research. Proximity and convenience are key. Students often only have ten minutes to get from one class to the next, and therefore it would entirely impracticable to conduct a field classes in any location further from the Mānoa campus than the Magoon facility. The next closest location for fieldwork is the college's Waimanalo station which cannot be fitted into students' class schedules.

The Manoa campus administration has not, until only recently (late 2011), involved CTAHR in any discussions as to their plans for faculty housing at the Magoon site. A report, unbeknown to CTAHR, was commissioned in 2007 by the Manoa administration with Magoon being a primary site for faculty housing. This report was not shared with us until late 2011. The report fails to make any suggestions as to where the current Magoon activities are to be relocated or the costs involved (possibly upwards of \$12 to 15M). The report does mention the difficulties in estimating the need for more faculty housing and the current management problems with faculty housing. Current faculty housing, that was to serve as transitional housing, has residents who have rented for more than fifteen years and some with salaries in excess of \$160,000. However, CTAHR is told that Manoa administration **believes**, without supporting data, that Magoon is the best site though in their commissioned 2007 report they greatly limited the area where new faculty housing should be built.

As Chairman and educator, I believe that student's need for good teaching facilities is paramount. More faculty housing maybe needed but there is no justification for destroying teaching facilities or placing more faculty housing adjacent to campus. I therefore strongly encourage you to support SCR 136 to allow CTAHR to continue to fulfill its important mandates of instruction, research, and outreach to the community.

Personal Testimony Presented Before:
Senate Committee on Agriculture

Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

by
Andrew Hashimoto

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

My name is Andrew Hashimoto. I am a Professor of Molecular Biosciences and Bioengineering at UH Manoa, and served as dean of the College of Tropical Agriculture and Human Resources (CTAHR) from 2000 to 2010. However, today I am providing personal testimony

I support Senate Continuing Resolution 136 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules. This proximity to campus saves students time, money and energy because they don't have to commute to our other experiment stations like those at Waimanalo and Pearl City.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering and small animal surgery.
- Because access to the UH Manoa campus is restricted due to parking limitations and congestion, the Magoon Facilities is a convenient location for visitors and faculty to interact on outreach and Extension activities.

I strongly encourage your support of SCR 136 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Mahalo for your serious consideration of Souse Continuing Resolution 136.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Senator Clarence Nishihara, Chair
Senator Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
by
Charles Kinoshita

Support for SCR 136, Urging the University of Hawaii to Designate the Magoon Research and Teaching Facility Site for the University of Hawaii at Manoa College of Tropical Agriculture and Human Resources

Dear Chair Nishihara and members of the Senate Committee on Agriculture:

My name is Charles Kinoshita. I serve as the Associate Dean for Academic and Student Affairs in the College of Tropical Agriculture and Human Resources (CTAHR), at the University of Hawaii at Manoa, and I am presenting testimony in support of SCR 136, which calls for the designation of CTAHR's Magoon Research and Teaching Facility at the University of Hawaii at Manoa as agricultural land to be protected for education and research purposes. Please understand that this is not official testimony from the University of Hawaii; rather, I am presenting this testimony as a private citizen.

As the chief administrator for academics in CTAHR, I know that the Magoon Facility is indispensable for CTAHR's curriculum, providing hands-on training to dozens of students in agriculture production and research. The Magoon Facility was established nearby the Manoa campus so that students would be able to receive training and conduct research without disrupting their schedules. Relocating the facility would be extremely disruptive for students and faculty alike.

I strongly urge you to support SCR 136 to help CTAHR train Hawaii's future generations of farmers, nurserymen, and agriculture and natural resource management scientists.

Thank you for the opportunity to present my views.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Barry Brennan. I am an Emeritus Professor at UH Manoa. I joined the faculty in 1975. Although I retired in 2004 I continue to work at UH. I am providing personal testimony.

I support Senate Concurrent Resolution 136 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes.

In 1984 I served as the Chair for the Department of Environmental Biochemistry. Recruiting new faculty, particularly at the assistant professor level, was hampered by low salaries and scarcity of housing. I know of which I speak. As a young faculty member I lived in dilapidated faculty housing on Dole Street from 1976-77. I signed a one year lease and I vacated it in one year.

Over the years, the policy establishing a one year lease has been extended, first to three years and then apparently to an unlimited period. UH Executive Policy E5.226 states that the purpose of faculty housing is to "help selected newly and recently appointed personnel of the University system obtain suitable housing..." Over the years that policy has been amended and now apparently includes anyone who is appointed by the BOR and anyone who the University considers "critical to a given academic unit". Junior faculty now find themselves at the back of the line and housing is again a problem, just like it was nearly 30 years ago.

The administration has two obvious options: (1) change the policy to address its original intentions, supporting new faculty who need financial housing assistance, or (2), build more housing. If the latter, UH should not displace Magoon Research and Teaching Facility of considerable value to its mission as a land grant institution. In spite of spending in excess of \$1 million dollars on site studies, I believe there are more suitable sites, e.g., the motor pool.

I strongly encourage you to support SCR 136 and to direct the University to either amend its housing policy or find a housing site which will not negatively impact agricultural research, education and extension programs.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by
Alex Lehman

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Alex Lehman, a student in the Department of Department Tropical Plant and Soil Sciences at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. My research on endemic Hawaiian cotton investigates the impacts of gene flow between Hawaiian and commercial cotton species. The Magoon Facility is within walking distance to the Mānoa campus, which allows me to work on my research between classes, meetings and lab work. My research requires daily monitoring and maintenance which would not be possible if Magoon were to be relocated to an off campus site. Magoon and its staff have proven invaluable to my graduate education and research at the University of Hawai'i.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt HCR 104.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 25, 2012 7:08 PM
To: AGL Testimony
Cc: suiso@aloha.net
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Mark Suiso
Organization: Individual
E-mail: suiso@aloha.net
Submitted on: 3/25/2012

Comments:

I am in support of this resolution. A facility like that at Magoon close to the campus is essential to the University Mission to tropical agriculture. I would also like the University to revisit their vision with regard to their role with regard to tropical agriculture. The legislature as the funding source should be expected the University to report on this and monitor progress. Mahalo- A tropical fruit farmer.

God's Country Waimanalo

From the Mountains to the Sea, Keeping Our Country Country

God's Country Waimanalo Youth Program encourages our children to keep up with the new, but respect, learn, and remember where they came from. Our program is rooted in cultural preservation, community partnerships, and connects the Hawaiian culture to other aspects of health and wellness.

Testimony Presented Before the Senate Committee on Agriculture

Sen. Clarence Nishihara, Chair

Sen. Gilbert Kahele, Vice Chair

Tuesday, March 27, 2012

TIME: 2:45 PM

PLACE: Conference Room 229
State Capitol 415 South Beretania Street

By: Heidi Ilima Ho-Lastimoso, Gods Country Waimanalo

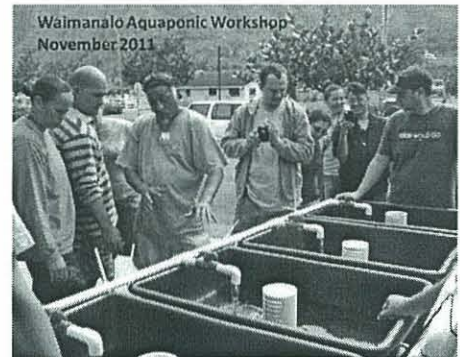
Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairmen Nishihara and Vice Chair Kahele: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Heidi Ilima Ho-Lastimoso and I am the Director of God's Country Waimanalo a private non-profit organization working towards empowering native Hawaiian families into becoming more self-reliant by producing their own food.

Since 2009 our families have been working with the College of Tropical Agriculture and Human Resources (CTAHR) Aquaculture/Aquaponic research and extension program in establishing aquaponic systems on Hawaiian Homesteads in Waimanalo and providing the hands on training necessary for the production of both fish and vegetable crops. From our humble beginnings of four homesteads, in 2009, being equipped and operating we are now working collaboratively on a project that should result in an additional 40 families being able to produce a substantial amount of their own produce. The Magoon Facility is the site of research and extension activities that directly supports Hawai'i's agricultural stakeholders and will house the new Hale Tuahine (Tuahine is the name of a misty rain famous in Manoa) aquaculture/aquaponics research and extension facility. It was very disappointing to hear that there are plans to place faculty housing on this very site and there are surely alternative locations that can be considered as this would greatly impact the capacity of CTAHR in providing the kinds of services that they have been, not just for our working group but for other agricultural stakeholders as well. Included with this testimony is a petition with 25 signatures by Hawaiian Homesteaders in Waimanalo that oppose the use of this land for faculty housing.

There are strong reasons for taking this position and historically, our ancestors were totally self-reliant prior to Western contact and the first arrivals noted "for industry of cultivation and agricultural improvements they



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could scarcely be exceeded in any country in the world”¹. Chief among their innovations to manage resources was the *ahupua'a* concept wherein Hawaiians believed that the land, sea, clouds and all of nature had a profound interconnectedness which is why they used ALL of the resources around them to reach the desired balance in life. Hale Tuahine will be a location where research, education and outreach can focus on the utilization of all available resources that will empower stakeholders in developing and disseminating means of increasing our self reliance in producing our own food. As important is that we are also working collaboratively with CTAHR at this facility in order to achieve a second desired outcome and that is to provide CTAHR the capacity to align itself with University of Hawaii at Manoa Strategic Outcome #1: Native Hawaiian Educational Attainment *To position the University of Hawai'i as one of the world's foremost indigenous-serving universities by supporting the access and success of Native Hawaiians.*² This is consistent with current efforts being undertaken by the aquaculture research and extension program utilizing aquaculture and aquaponic technology for developing STEM skills in schools and assist in improving the economic and health conditions in Hawaiian communities.

For all of these reasons and many more, I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

¹ Moeller, B.B. 1967. Some Eighteenth-Century Views on Hawaiian Agriculture *Agricultural History*. Vol. 41, No. 4 (Oct., 1967), pp. 397-404

² <http://rbpc.uhh.hawaii.edu/documents/strategicoutcomes.pdf>

God's Country Waimanalo

From the Mountains to the Sea, Keeping Our Country Country

God's Country Waimanalo Youth Program encourages our children to keep up with the new, but respect, learn, and remember where they came from. Our program is rooted in cultural preservation, community partnerships, and connects the Hawaiian culture to other aspects of health and wellness.

As a Native Hawaiian, I oppose the building of UH faculty housing in the Manoa area, which will take away our land for the University's purposes. Keep it Hawaiian! Malama 'Aina!

Mahalo!

Amel Neal

Mickel Kechelin

Christina Kaka

Dave Kefue

Dave Sam Mark R Soloman

M. O. A.

Alii Wai

Diana Lane

Mary Louise Thomas

Janet Acary

Janet F. KAO

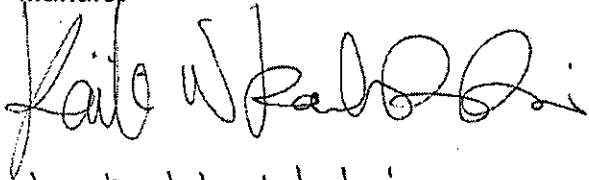
Delores K. Kapa

God's Country Waimanalo

From the Mountains to the Sea, Keeping Our Country Country

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Mahalo!



Kaili W. Kaulukukui
djevotv@yahoo.com

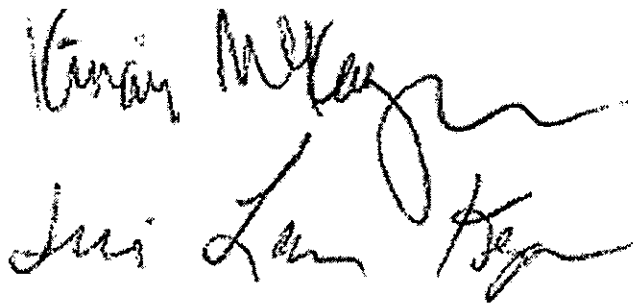
Mahalo!



Joseph K. Aipa

Cell 382-4142

Email - jkepa666@gmail.com



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Mahalo!

Gloria L Needs
41-198 Huli St
Waimanalo, HI 96795
808+2598746

Mahalo!

Ale O' Moana Mea Ai
Mina deMello
41-517 Iona St.
Waimanalo, Hawaii, 96795

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Mahalo!

Dalys L. Kepu

PH# 590-7427 } CELL
953-9395 }
259-5065 HOME

Mahalo!

Malia Scanlan

Malia Scanlan

53-356 G Kanehama Hwy

Hanalei, HI 96717

Tel.: (808) 853-9573

God's Country Waimanalo

From the Mountains to the Sea, Keeping Our Country Country

God's Country Waimanalo Youth Program encourages our children to keep up with the new, but respect, learn, and remember where they came from. Our program is rooted in cultural preservation, community partnerships, and connects the Hawaiian culture to other aspects of health and wellness.

Mahalo!

Aia alysa

41-709 Kakaina St.

(808) 282-1133

Mahalo!

Clyde Aikau 41-709 Kakaina St
Waimanalo, HI 96795

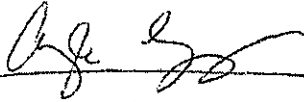
Mahalo!

William B. Au - 808 342 9621

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Angela Lopes

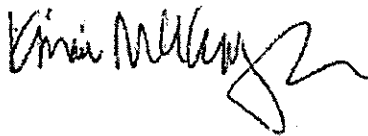
41-882 Kalaniana'ole Hwy
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WC 843-2502 ext 3009

email angela.kokoa@yahoo.com

Mahalo!



KINAI MCKEAGUE

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Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Yawadee Srimake

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify ~~in favor~~ of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Yawadee Srimake, a student in the Department of Tropical plant and soil sciences at CTAHR.

I am a Ph.D student and will graduate on the end of this spring semester. Magoon has played an irreplaceable roll in my research and professional growth. Being a teaching assistant for several years- I've learned that hands-on practice through greenhouse experiments are crucial for students not only in our department, but also all others in agricultural fields. Magoon has been serving students in a convenient, on campus location for decades in the ideal sunny and moist environment of Manoa Valley.

As a non-resident student, we almost have to pay a fortune to come to school. We only ask for a good education, so when we finish, we can be out there and survive. But what I have learned from the meeting with UH administrators (11/23/2011) is that, student needs appeared to be not as important as a close-to-campus resident, because some tenants can stay in the current faculty housing as long as they want. It takes me 50 minutes by bus to come to school, and I think distance should never be used as an excuse for not being efficient either for study or work. But it does not seem right if we have to take an hour commute to and from the greenhouse facility during the day, in the event that Magoon is replaced.

I understand that the convenient housing is needed, especially one that is operated properly. However, there are many better options than tearing down a well-functioning- not to mention newly renovated facility, without any realistic plan for when and where students can continue theirs basic studies.

I believe that university is the place where education of student is the first priority. Adoption of SCR 136 will keep these research opportunities, and value education for the students, present and in the future.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Gabriel Sachter-Smith

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

I am Gabriel Sachter-Smith, a student in the Department of Tropical Plant and Soil Sciences at CTAHR. I have been with the SOFT (Student Organic Farm Training) program since its foundation almost four years ago, and SOFT is currently based at Magoon. I have seen it grow and change and have taken on personal responsibility to see it reach the next level of development. We started with one acre at the Waimanalo Experiment Station, and actively maintained crops there for about three years. After a visit to student farms on the West coast in 2009, we saw the potential of what a student farm program can become and what it takes to make it happen. The two most critical components needed for a successful student farm program are centralized on-campus land, and a full time staff manager.

We already had a small vegetable plot at Magoon, but realized that if we wanted the program to grow and reach our vision of it, we would need to cut back our efforts at Waimanalo and expand our on-campus presence and capacity. Waimanalo is great for farming, but it is nearly impossible to get enough students out there at any given time to get much work done. Most of our students live on or near campus and our crops are sold on campus. We took the time spent at Waimanalo (every Saturday from 9AM to 5PM) at Waimanalo, and used it to develop our land at Magoon and expand our on-campus presence. With on-campus land, more students are able to get involved, and we are better able to care for our crops and other projects. Since re-vamping our presence at Magoon, we have seen a dramatic rise in student involvement in the program, and a much greater awareness of our program in the campus community.

There are many opportunities in the campus community which can support a student farm program, some of these include: students getting credit to learn by experience in the farm program, composting campus food wastes to use as fertilizer for crop production, utilizing the wide range of faculty expertise to implement best practices and cutting edge techniques, and sharing our produce and knowledge with the community of UH Manoa and Manoa valley

residents. In order to see any of it happen though, a significant, centralized, on-campus site with agricultural facilities is required, and Magoon is that site.

Please support SCR 136 and keep the Magoon facility in the control of CTAHR so that students continue to have the opportunity to gain hands on experience in agriculture and food production.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Bradley K. Fox

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Bradley “Kai” Fox, and I am an Assistant Extension Specialist at UH-Mānoa. However, today I am providing personal testimony.

I strongly support SCR 136, calling for the designation of CTAHR’s Magoon Research and Teaching Facility at UH-Mānoa as agricultural land to be protected for education and research purposes. As an Extension Specialist who conducts research in collaboration with a number of undergraduate and graduate students, as well as workshops at the Magoon Facility, I have direct knowledge of its value to the college, university, and greater community.

The Magoon Facility is vital for training students in practical, hands-on applications of agricultural production and research. Such hands-on research activities are at the core of agricultural experimentation, and it is impossible to understand practical agriculture and the underlying scientific principles without them. My research and extension activities are in the area of aquaculture and aquaponics, and it is necessary that these activities take place at Magoon because of the facility’s close proximity to our flagship Manoa campus.

Proximity and convenience in terms of a physical location where research can be conducted for students are key. Students often only have several minutes to get from one class to the next, and therefore it would be time prohibitive to conduct a class in any location further from the Mānoa campus than Magoon. The next closest location for fieldwork is the college’s Waimanalo station, which, is so far distant that travel there is so inconvenient and disrupting to academic schedules as to make it prohibitive as an alternate research location. Indeed, our department also maintains an additional satellite freshwater aquaculture and aquaponics laboratory at Windward Community College, however, due to its distance from campus we currently have no undergraduate or graduate experiments at the site.

As an educator, I deeply believe that the needs of the students are paramount. I therefore strongly encourage our legislators to support SCR 136 and thereby assist the founding Land Grant College of UH Manoa, CTAHR, in fulfilling its important mandates of instruction, research, and outreach to the community.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by
Peter Toves

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

I extend my gratitude to Chairman Nishihara and members of the Senate Committee on Agriculture for the opportunity to testify in favor of SCR 136, concerning the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

I am a member of the staff at CTAHR and a product of the University of Hawaii at Manoa. The entirety of my work duties are directly connected to the anthurium industry in the state of Hawaii. The Hawaii floriculture and nursery industry was valued at \$75.6 million in 2010, with cut flower anthuriums contributing \$3.4 million. The anthurium breeding program was initiated in 1950 by Dr. Haruyuki Kamemoto and is an integral part of the anthurium industry today as it was several decades ago. Our program develops new varieties for growers in the state to help them keep a competitive edge in the cut flower market. Development of new cultivars is a lengthy process (up to decade or more) and any interruptions to the program will further prolong the release of new material. Shutting down the Magoon facility to build faculty housing will have negative impacts on the important work CTAHR does for the local floriculture industry.

Furthermore, beyond the anthurium breeding program, the Magoon facility provides vital instructional space for students in CTAHR. The proximity of Magoon to the main campus allows students to learn practical horticultural knowledge in conjunction with classroom instruction. There is only so much a student can learn in the classroom. The Magoon facility allows the students to apply what they are learning in a practical, hands on environment. Removal of the Magoon facility will adversely affect the quality of education CTAHR is able to provide to students by making the practical aspect of horticultural education nearly impossible to achieve.

I call upon our legislators to support SCR 136 to protect the Magoon Facility.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Miles Hakoda

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Miles Hakoda. I am the director of the Office of Communication Services in the College of Tropical Agriculture and Human Resources at UH-Manoa. However, today I am providing personal testimony.

I support SCR 136, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH- Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouses, field plots, and small animal facility for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH- Manoa, that support research and instruction in plant genetic engineering and small animal surgery.
- Magoon is a site of community outreach and supports elementary students' STEM curriculum.

I strongly encourage our legislators to support SCR 136 and thereby assist CTAHR in training Hawai'i's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 26, 2012 9:00 AM
To: AGL Testimony
Cc: lum808@hawaii.edu
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM
Attachments: ~\$rsenal Testimony Presented Before senate.docx

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: Yes
Submitted by: Vanessa Lum
Organization: Individual
E-mail: lum808@hawaii.edu
Submitted on: 3/26/2012

Comments:

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Miki K. Tomita, Ph.D.

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture:

Thank you for this opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Miki K. Tomita. As a graduate of CTAHR and current Dean of Curriculum & Instruction and advisor of the ULS Project Pono environmental stewardship program at the University Laboratory School PCS, I am providing testimony as an interested member of the community.

Magoon Facility is the site of research that directly impacts and supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation endeavors. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon. Magoon is also the site of important instruction for numerous classes for undergraduates and grad students as well as school-age children, students who will be the next generation of Agriculture-related workers, researchers, and innovators for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience, and should be supported and developed to build the capacity of our islands to support its people and contribute to the global resource and knowledge base.

On behalf of the 30+ current students of ULS Project Pono who have learned at the side of the expert CTAHR faculty, and the many more I hope to introduce into that partnership for years to come, I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

House of Representatives
Twenty-Sixth Legislature, 2012
State of Hawaii

March 26, 2012

RE: SCR136

Gentlepeople:

Our company is in the process of building a 3-acre aquaponics farm on fallow land and the only real support we have received has been from the College of Tropical Agriculture and Human Resources. Without their help we would have no hope whatsoever of success. Now we hear that the UH administration is considering transforming the Magoon Research facility into faculty housing. This would be a disaster for CTAHR as well as all the small farmers who rely upon them so heavily. We do not doubt that faculty need housing but surely other property can be found for this purpose.

We are at a critical stage in our project development and were scheduled for a systems test by CTAHR this Wednesday. But that was cancelled because the CTAHR personnel have had to cancel all appointments in order to try and save their facility. This is insane. Hawaii needs much more locally grown food - surely there can be no doubt of this. And that means we need more farms and farmers. And we farmers desperately need CTAHR. It's that simple. Please, for the sake of us all, support SCR 136 and keep CTAHR alive.

Sincerely,

John Dobovan
VP and Secretary
EDK LLC
41-540 Makakalo St.
Waimanalo, HI 96795
808-955-0955

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
By
Reyn Horner

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Reyn Horner. I am an interested member of the community and have worked directly with members of the CTAHR faculty and staff for my business, Hapa Farms.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of stewards, scholars, enterpenuers, and a strong and diversified agricultural work force for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

We rely heavily on the research produced by CTAHR for our agriculture work and our involvement with working with public schools in Hawaii to integrate sustainable agricultural technologies into their curriculum as a platform for learning. The findings from CTAHR research guides our agricultural operations for most effective and profitable production. The schools that we work with to integrate agriculture as an inquiry-led, project-based element in their curriculum benefit from the CTAHR research publications and guest speakers that are performing research with CTAHR and can encourage students to become engaged in similar fields.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
By
Erin Nishimura Horner

~~Support~~ Support for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Erin Horner. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of stewards, scholars, enterpenuers, and a strong and diversified agricultural work force for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

March 26, 2012

Dear Chair Senator Clarence K. Nishihara,
Vice Chair Senator Gilbert Kahele,
And Members of the Senate Committee on Agriculture,

Dear Chair Senator Jill N. Tokuda,
Vice Chair Senator Michelle N. Kidani,
And Members of the Senate Committee on Education,

Thank you for this opportunity to provide written testimony in support of Senate Bill SCR 136, Relating to the Magoon Research and Teaching Facility. My name is Dr. Susan C. Miyasaka, and I am a professor in the Department of Tropical Plant and Soil Sciences at the University of Hawai'i's College of Tropical Agriculture & Human Resources (CTAHR).

I was born and raised in Honolulu, Hawai'i, and I have served as a professor at the University of Hawai'i for over 20 years. I support Senate Bill SCR 136 that requests that the Magoon Research and Teaching Facility continue to be used by CTAHR to teach future generations of students and to support agricultural industries in Hawai'i through research. I have used the Magoon Facility for both teaching and research purposes, because it is within easy walking distance for students from the Manoa campus.

While there is a need for affordable faculty housing, it would be short-sighted on the part of the University of Hawai'i's administration to use this facility for such purposes. The Magoon Facility should continue to be used for agricultural research and education that are critical to the Land Grant mission of the University of Hawai'i and for the benefit of Hawai'i's various agricultural industries.

I ask humbly that you vote in support of SCR 136 that requests the University of Hawai'i's Board of Regents to preserve and protect Magoon's Research and Teaching Facility for future generations. Please feel free to contact me if you have further questions.

Best wishes,

Susan C. Miyasaka
P.O. Box 203
Pepeekeo, HI 96783
(808) 217-1477

Personal Testimony to the Senate Committee on Agriculture
Tuesday March 27, 2012, 2:45 pm, State Capitol Conference Room 229

Senator Clarence K. Nishihara, Chair
Senator Gilbert Kahele, Vice Chair

Support for SCR 136, Relating to the CTAHR Magoon Research and Teaching Facility

My name is Barbara Yee, Chair of Family and Consumer Sciences at UH Manoa. Today I am providing personal testimony that supports faculty housing in principal, however, the CTAHR Magoon Agricultural research and Teaching Facility cannot be replaced and an alternate location must be found for faculty housing. The State of Hawaii and UHM has already invested millions of taxpayers dollars to upgrade this important Magoon agricultural research and science education facility. Magoon is ideally situated within walking distance for quick access by UHM scientists, faculty, staff, and students. As important, this facility cannot be duplicated in a cost-effective manner.

I support Senate Resolution SCR 136 which calls for the designation of CTAHR's Magoon Agricultural Research and Teaching Facility at UH Manoa as agricultural land to be preserved and protected for such education and research purposes.

- The Magoon Facility is indispensable for CTAHR's curriculum in the training of students for practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting our students' daily academic schedules.
- Magoon has unique research and teaching facilities, that is not available elsewhere at UH Manoa, such as plant genetic engineering and small animal surgery.
- It is used for Family Education, 4-H Science and STEM education youth activities, and Agricultural Education, by advancement and development of important life skills and positive youth development activities conducted by our faculty, undergraduate and graduate students

I strongly encourage our legislators to support Senate SCR 136 and thereby assist CTAHR to train Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural and behavioral/social scientists, as well as our future citizens to support the value of food sustainability and food security in our geographically isolated state.

Barbara Yee, dragonboomer@aol.com, 4460 Puu Panini Ave. Honolulu, HI 96816

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Joannie Dobbs

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

My name is Joannie Dobbs. I am an Assistant Specialist in Nutrition and Health at UH Manoa. I also teach a graduate class on Food Systems. However, today I am providing personal testimony.

I support SCR 136, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Mānoa as agricultural land to be protected for education and research purposes, for the following reasons:

1. The health of people in Hawaii is only as good as the source of their nutrition (Agriculture). This is especially important as the most isolated human community in the world.
2. Agriculture is changing rapidly and research in this area is critical for developing ways to increase production on less land without causing harm to the environment.
3. Training students in the area of Agriculture will affect the future of all individuals in Hawaii.
4. The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
5. Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
6. Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant genetic engineering and small animal surgery.

I strongly encourage our legislators to support SCR 136 and thereby assist CTAHR in training Hawai'i's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 26, 2012 2:15 PM
To: AGL Testimony
Cc: david.walfish@yahoo.com
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM
Attachments: SCR136Testimony_3_26_12.pdf

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: David Walfish
Organization: Individual
E-mail: david.walfish@yahoo.com
Submitted on: 3/26/2012

Comments:

Testimony in Favor of SCR 136

3/27/12

I recently competed in an international social enterprise business contest held at Harvard Business School. Competing teams represented research universities from all over the world, including Cambridge, USC, Harvard, and M.I.T.

Our team won the contest using aquaponics technology developed at the Magoon Research and Teaching Facility Site by College for Tropical Agriculture and Human Resources

The results of the contest affirm that CTAHR is doing world class research at Magoon. Please help this to continue.

Thank you!

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
By, C. Alan Titchenal, PhD

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture:
Thank you for the opportunity to testify in favor of SCR 136, which
designates the Magoon Research and Teaching Facility site for the
College of Tropical Agriculture and Human Resources (CTAHR).

My name is C. Alan Titchenal. I am an Associate Professor in Human Nutrition, Food, &
Animal Sciences at UH Manoa. However, today I am providing personal testimony.

I support SCR 136, calling for the designation of CTAHR's Magoon
Research and Teaching Facility at UH-Mānoa as agricultural land to be
protected for education and research purposes, for the following reasons:

1. The Magoon facility is an agricultural oasis in the midst of our urban Honolulu environment that serves as a very unique resource for agriculture related research and education.
2. As we increase our awareness of the importance of agricultural sustainability, we can't afford to lose a resource like the Magoon Research and Teaching Facility.
3. The facility is extremely important for CTAHR's curriculum to be able to train students in practical, hands-on applications of agricultural production and research.
4. Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant science and small animal surgery.

I strongly encourage our legislators to support SCR 136 and thereby assist CTAHR in training Hawai'i's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

2029 Nuuanu Ave. #1510
Honolulu, Hawaii 96817
March 26, 2012

Senator Clarence K. Nishihara, Chair
Senator Gilbert Kahele, Vice Chair
Senate Committee on Agriculture
415 S. Beretania St.
Honolulu, Hawaii 96813

Dear Chair Nishihara, Vice Chair Kahele, and Members of the Committee:

I am sending this testimony to express my **strong support for SCR 136**, which would urge the University of Hawaii (UH) to keep its Magoon facility as CTAHR's primary site for agricultural and aquacultural research, teaching, and outreach. Expanded faculty housing may be necessary, but it should not be constructed at the expense of the University's research and teaching facilities.

I graduated with a master's degree in oceanography from UH in 1978, and I have earned my living in aquaculture production and consulting ever since. Recently I have become involved in aquaponics, a relatively new and efficient form of agriculture that combines the production of fish and plants in a recirculating system. I have attended workshops on topics in aquaculture and aquaponics led by CTAHR faculty, and I am always interested in hearing the results of their research. I also rely on CTAHR extension for information and advice on how to deal with the various pests and parasites that can afflict the fish and plants I am trying to raise. If the Magoon facility remains in place, it will be the site of an expanded freshwater aquaculture and aquaponics research and extension center which will directly benefit my industry.

Modern agriculture is an increasingly technical field that must incorporate the latest developments in science and technology. The Magoon facility plays a major role in educating new generations of students who will become Hawaii's future farmers, managers, and teachers. I hope, therefore, that you will act to help preserve this important institution.

Thank you for the opportunity to state my opinion on this important matter.

Sincerely,



Frederick M. Mencher

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 26, 2012 2:28 PM
To: AGL Testimony
Cc: combsb001@hawaii.rr.com
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Bruce M. Combs
Organization: Individual
E-mail: combsb001@hawaii.rr.com
Submitted on: 3/26/2012

Comments:

I am a classified senior pursuing a degree in Tropical Plant and Soil Science within CTAHR. Almost every TPSS class I've taken has a weekly lab, and those labs use Magoon. The students are not only expected to go to Magoon for the regularly scheduled lab but also on their own time because the crops or ornamentals we grow there need constant care and management. Also, on our own time and outside of class, we have to check on the lab experiments we run there. All of the CTAHR agriculture students grow things and run experiments at Magoon, and it's easy to lose an entire semester's work if you don't keep close tabs on what you have going at Magoon. For these reasons, moving Magoon away from the Manoa campus isn't a practical solution. We can't commute to somewhere else on the island and attend our classes at Manoa too. Agriculture today is an applied science; having an easily accessible lab is absolutely essential to the education, which is why I urge you to support SCR136.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
March 27, 2012

Frederika Bain

~~Support~~ Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Frederika Bain. I am an employee of the College of Tropical Agriculture and Human Resources. I am offering personal testimony.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon. Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

The facility supports the STEM education of elementary students and provides the site for college students learning about sustainable and organic farming. It is the only place where pre-veterinary and other animal science students can receive hands-on learning about small animals. It is a vibrant place full of idealism and optimism combined with practical know-how. While faculty housing is an important issue, there is absolutely no compelling reason why it must be located at the Magoon site, whereas there are numerous reasons that the classes and research conducted there do need to remain there.

Though an alternate site has been proposed for the relocation of Magoon's programs and facilities, the motorpool on the UH-Manoa campus, there are many problems with this proposed site, including the smaller size of the proposed site (4 acres vs. almost 10), the need for HAZMAT evaluation and cleanup, the break in continuity of the data from the original site, the biocontainment needed for some of the research and instruction on the original site that cannot be confirmed for the motorpool site, and the disruption to the research, instruction, and outreach programs that Magoon fosters while the move would take place.

For all these and many other reasons I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.

Sincerely,
Frederika Bain

Personal Testimony Presented Before
the House Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Mark J. Hashem, Vice Chair
and
House Committee on Economic Revitalization & Business
Rep. Angus L.K. McKelvey, Chair
Rep. Isaac W. Choy, Vice Chair
Wednesday, March 21, 2012
by
John Hu

Support for HCR 104, Relating to the Magoon Research and Teaching Facility

My name is John Hu. I am a Professor at UH Manoa. However, today I am providing personal testimony.

I support House Concurrent Resolution 104 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in plant sciences and small animal surgery.

I strongly encourage our legislators to support HCR104 and thereby assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Yours truly,

John Hu Sipes

Personal Testimony Presented To

Senate Committee on Agriculture
Senator Clarence K. Nishihara, Chair
Senator Gilbert Kahele, Vice Chair

and

Senate Committee on Education
Senator Jill N. Tokuda, Chair
Senator Michelle N. Kidani, Vice Chair

Tuesday, March 27, 2012

Supports for SCR 136, Relating to the Magoon Research and Teaching Facility

Honorable Chairs Nishihara and Tokuda, and members of the Senate Committee on Agriculture and Committee on Education:

Thank you for the opportunity to testify in support of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Brent Sipes. I am a Professor and Department Chair at UH-Manoa. However, today I am providing personal testimony.

I support HCR 104, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Manoa as agricultural land to be protected for education and research purposes. As a professor who conducts 4 classes at the Magoon Facility, I have direct knowledge of its value to the college and to the university.

The Magoon Facility is core the academic mission of CTAHR and the University. Magoon is indispensable for providing students with hands-on experiences.

Proximity and convenience to campus are primary motivators for my students. Students have limited time between classes. It is entirely impracticable to conduct a class in any location further from the Manoa campus than Magoon. Loss of the Magoon facility is a loss to student educational opportunities.

As an educator, I deeply believe that we must understand that the needs of the students are paramount. I therefore strongly encourage your support of SCR 136 and thereby assisting CTAHR in fulfilling its important mandates of instruction, research, and outreach to the community.

Yours truly,

Brent Sipes

Senate Committee on Agriculture
Senator Clarence K. Nishihara, Chair
Senator Gilbert Kahele, Vice Chair

Senate Committee on Education
Senator Jill N. Tokuda, Chair
Senator Micelle Kidani, Vice Chair

Tuesday, March 27, 2012
2:45 PM, Conference Rm 229

Richard Manshardt, Personal Testimony
1477 Alencastre Street, Honolulu, HI

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Thank you, Chairs Nishihara and Tokuda, Vice Chairs Kahele and Kidani, and members of the Committees for Agriculture and for Education for this opportunity to provide testimony in support of SCR 136.

My name is Richard Manshardt. I am a Professor at UH Manoa with 30 years of teaching and research experience in the College of Tropical Agriculture and Human Resources. However, today I am providing personal testimony and not officially representing the University.

I think we all acknowledge the importance of housing for attracting and retaining new faculty, but my opinion is that that issue could be better resolved by other approaches than building more housing at the Magoon site. Alternatives include proper enforcement of rules for tenure at existing faculty housing and exploration of a mortgage subsidy program for newly recruited faculty.

I support Senate Resolution 136 calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH Manoa as agricultural land to be protected for education and research purposes, for the following reasons:

- The Magoon Facility is indispensable for CTAHR's curriculum for training students in practical, hands-on applications of agricultural production and research.
- Its location immediately adjacent to the Manoa campus and Noelani Elementary School is the only site that allows convenient access to greenhouse and field plots for instruction and research without disrupting students' daily academic schedules.
- Magoon has unique facilities, unavailable elsewhere at UH Manoa, that support research and instruction in small animal surgery and plant genetic engineering.

I want to elaborate on the latter special facility. Genetically engineered plants undergo a period of testing during which their benefits and potential risks are evaluated, and a USDA-approved bio-containment facility is required to isolate them during this interval. The only such bio-containment greenhouse for Manoa is at Magoon. To illustrate its importance for the state, I'd like to point out that this facility was used by a group of students and researchers in the early 1990s to produce the first papaya seeds with genetically engineered resistance to a very serious virus disease that was threatening the papaya industry. Those efforts resulted in the release of a disease-resistant papaya variety named the 'Rainbow' papaya in 1998. Since the first harvest of Rainbow fruit in the year 2000, the approximately 200 papaya growers in Hawaii have been able to continue producing crops worth an average of \$12.5 million annually. The cumulative total farm gate value over the 12 year period is in excess of \$150 million. That represents an average gross income for growers of more than \$60,000 annually, a very significant part of their income. That healthy productivity would have been impossible without the virus-resistant varieties, and their development depended very critically upon having the Magoon bio-containment facility available during the early stages of their evaluation.

For this reason, and the others cited above, I strongly encourage our senators to support SCR 136 and thereby assure that Magoon will continue to assist CTAHR in training Hawaii's future generations of farmers, nurserymen, landscape specialists, and agricultural scientists.

Thank you for your attention.

Personal Testimony Presented Before the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012
TIME: 2:45 PM
PLACE: Conference Room 229
State Capitol 415 South Beretania Street

By: Sharon Leina'ala Bright

~~Support~~ for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairmen Nishihara and Vice Chair Kahele: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR).

I am Sharon Leina'ala Bright, I am a native Hawaiian Health practitioner skilled in the arts of *lomilomi* and *lā'au lapa'au* agriculture and healing practices. I have returned to college and obtained by AA degree from Windward Community College and am now an undergraduate student in the Hawai'i inuiakea School of Hawaiian Knowledge, Kamakakūokalani Center for Hawaiian Studies. I am also a student intern in the Department of Molecular Biosciences and Bioengineering a department in CTAHR. I returned to college in order to achieve my goal of becoming a lifelong contributing team member as a teacher and learner within a positive, nurturing environment that shares Native Hawaiian values, *lā'au lapa'au* agriculture and healing practices that will serve families and communities towards wellness and prosperous sustainability. To achieve that goal I have engaged myself in both the culture and science of aquaponics an emerging technology that has proven to be a suitable option for allowing the production of fish and plants in locations that would otherwise not be possible to grow things. The science based research and extension work being conducted by CTAHR's aquaculture/aquaponics research and extension program has been instrumental in my current future development. The focus of their efforts are currently turning towards the establishment of a research and extension center appropriately named, Hale Tuahine (Tuahine refers to the misty rains of Mānoa) that is to be located at the decommissioned USDA Fruitfly facility. Such a center would increase the research and extension capacity of CTAHR and provide opportunities to assist a variety of stakeholders both in the private and public sectors. Likewise, the center becomes a resource for students like myself that can participate in hands on training, conduct research and participate in extension and outreach activities that ultimately serve the communities of Hawaii. I was very disappointed to hear that this same area is also being considered for faculty housing and am in principal not objecting to the need for



Figure 1. Myself with aquaponically grown *lā'au lapa'au*. Photo courtesy Han Hou Magazine.

such capital improvements. However, I am very concerned that the value of the current site to CTAHR is being overlooked as there are clearly a host of other locations that housing can be located. This is not true for the kinds of activities already taking place in the area as well as for what is being planned for the future. I know how I have benefitted from what has transpired to date and would like to see the next generation of scholars and practitioners also benefit with the planned expansion at Hale Tuahine. For these reasons I strongly urge for the passage of SCR 136 that will insure that CTAHR's vision and mission will be fulfilled.

Sincerely:

Sharon Leina'ala Bright

I believe the University should make students' education its highest priority. I urge you to adopt SCR 136.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Kawika Ordenstein

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Kawika Ordenstein. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
John Poggi

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is John Poggi. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Cassandra Poggi

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Cassandra Poggi. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
David McGuire

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is David McGuire. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 27, 2012 6:57 AM
To: AGL Testimony
Cc: Theodore@hawaii.edu
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: ~~e~~Support
Testifier will be present: Yes
Submitted by: Ted Radovich
Organization: Individual
E-mail: Theodore@hawaii.edu
Submitted on: 3/27/2012

Comments:

The Magoon Research facility is critical to the research, teaching and outreach mission of CTAHR, the founding college of UH. As an undergraduate ('94) and MSc. student ('00) in CTAHR, the Magoon facility gave me the only opportunity available on campus for hands on horticulture practicum. Since joining the college as faculty in 2006, Magoon has been an essential part of my research and teaching. The Magoon facility has supported hundreds of student credit hours in just the three classes I teach since 2006. When I multiply the value of the facility to my program by all the faculty and students who have and will continue to benefit from Magoon, it is clear to me that the past, present and future value of the facility is immense and immeasurable. The facility should be preserved for the college.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by

Brenda Lukas

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Brenda Lukas. I am an interested member of the community.

Magoon Facility is the site of research that directly supports Hawai'i's horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation. Hawai'i's agricultural businesses contribute millions of dollars to the state economy, and they rely on the contributions of CTAHR's researchers working at Magoon.

Magoon is also the site of important instruction for numerous classes for undergraduates and grad students, students who will be the next generation of ag workers for the state. Hawai'i needs to revitalize its agriculture systems, its food and fuel security, and this can only be done with an educated and experienced workforce. Magoon is a necessary part of providing that education and hands-on experience.

I strongly encourage our legislators to support SCR 136 and designate Magoon to CTAHR.

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012

by
Kauahi Perez

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Kauahi Perez, a student in the Department of Tropical Plant and Soil Sciences at CTAHR.

The Magoon site, on which the UH administration is currently considering to develop faculty housing, plays a pivotal role in student learning. This facility is used to hold laboratories through which students in Tropical Plant and Soil Sciences (TPSS) gain valuable hands-on experiences in the field, solidify an understanding of concepts discussed in lectures, and thus gain a deeper appreciation of horticultural and agricultural practices. Such practices include vegetable and flower crop production, plant breeding, plant propagation, weed management, sustainable crop production, plant identification, and other horticultural and agricultural practices. In short, this instructional facility allows students to connect theory to application by serving as an arena for hands-on learning.

In addition to hands-on experience, students also gain experience in conducting research by installing experiments, taking and analyzing data, and presenting their findings. As an undergraduate taking classes in TPSS, I was fortunate enough to have gotten exposure to conducting different kinds of experiments, including plant propagation methods, plant growth regulation, photoperiodism, variety trials, sustainable crop production, and methods of weed management. It is through research experiences such as these that students, like myself, gain a better understanding about how best to manage and produce different kinds of crops.

Magoon is also located in close proximity to the UH Manoa campus, which affords students the ease of access to the facility while alleviating the need for transportation and costs thereof. More importantly, this is the only site that students have available for them to learn.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority.

In closing, I urge you to adopt SCR 136 to prevent any further planning on developing faculty housing on Magoon, for it is a key component that plays a critical role in preparing our students for their futures in horticulture and agriculture.

Sincerely,

Kauahi Perez

Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Jeana Cadby

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Jeana Cadby, a student in the Department of Tropical Plant and Soil Sciences at CTAHR.

Having worked with SOFT for the past few years, I realize how lucky I have been to be involved in such a program. As an agriculture student, it is vital that we get our hands in the dirt and learn the basics of farming to compliment our official schooling as plant scientists. SOFT not only provides that possibility, but also fosters an education about our food resources and learning through doing and taking action.

Magoon is a site that I most associate with SOFT because it is so natural for SOFT to be there. As we work towards integrating the SOFT program into the university curriculum, we have already started using the site as a teaching tool and a student resource. University students in the classroom and out have a living system to study and research, first graders are inspired to explore science, and Soft volunteers can use work hours towards tangible goals such as joining the Peace Corps and Americorps.

The proximity to campus, the accessibility of resources and educators, and the practicality of the program relies heavily on the location. The program is important to me because it allows me to develop my goals of working on improving food systems and educating the public of the issues surrounding food sovereignty and local food production. I know that Soft is capable of much more, with increased support and presence. Other students too can explore their goals, developing an all inclusive college of agriculture.

This site has also prepared me very well as a candidate for a graduate degree. As a future well qualified graduate student, it is to the benefit of UH Manoa, as a prestigious option, to maintain this site.

Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt SCR 136.

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 26, 2012 8:46 PM
To: AGL Testimony
Cc: McGovernHopkins@hawaii.rr.com
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Kathleen McGovern-Hopkins
Organization: Individual
E-mail: McGovernHopkins@hawaii.rr.com
Submitted on: 3/26/2012

Comments:

nishihara1 - Danille

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 26, 2012 6:22 PM
To: AGL Testimony
Cc: pikcunas@hawaii.edu
Subject: Testimony for SCR136 on 3/27/2012 2:45:00 PM

Testimony for AGL 3/27/2012 2:45:00 PM SCR136

Conference room: 229
Testifier position: Support
Testifier will be present: No
Submitted by: Laurel Pikcunas
Organization: Individual
E-mail: pikcunas@hawaii.edu
Submitted on: 3/26/2012

Comments:
Personal Testimony Presented Before
the Senate Committee on Agriculture
Sen. Clarence Nishihara, Chair
Sen. Gilbert Kahele, Vice Chair

March 27, 2012
by
Laurel Pikcunas

Support for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairman Nishihara, and members of the Senate Committee on Agriculture: Thank you for the opportunity to testify in favor of SCR 136, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). I am Laurel Pikcunas, a student in the Department of TPSS at CTAHR.

The Magoon Facility is crucial to my education. Although some of CTAHR's classes are conducted in laboratories on campus, other classes have projects that depend on field trials or the small animal facilities at Magoon to give students actual hands-on experience. My research on hydroponic and aquaponic farming investigates the connection between food availability and individual nutrition. The Magoon Facility is within walking distance to the Mänoa campus, which allows me to work on my research between and after classes. This is very important, as I don't have a car and also work to support myself through school. It would not be possible for me to have this necessary field and research experience if I had to travel to a location farther away from campus.

There is presently a shortage of workers in agriculture. Taking the Magoon Facility away from CTAHR would make it harder for students like me to get the education we need to enter the agricultural field. Unlike faculty housing, which can be located anywhere on O'ahu, the Magoon site is the only possible and the best site for my education. I believe the University should make students' education its highest priority. I urge you to adopt SCR 136.

Personal Testimony Presented Before
The Senate Committee on Agriculture
Senator Clarence K. Nishihara, Chair
Senator Gilbert Kahele, Vice Chair
Tuesday, March 27, 2012

by
Tristan Martinez

~~Support~~ for SCR 136, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in favor of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Tristan Martinez. I am an interested member of the University of Hawaii undergraduate student body.

My involvement with the 2011 University of Hawaii Solar Decathlon team exposed me to the benefits of aquaponics and sustainable farming. It was through the research and instruction supported by the Magoon Facility where I was able to help design an aquaponics system that would be integrated into Hawaii's solar house that would be in competition for the Solar Decathlon. Without the ongoing instruction and research being conducted at the Magoon facility, I would not have been able to learn about aquaponics and the benefits it provides. I believe that it is critical to make every effort to pursue research in horticulture, biofuels, sustainable farming, aquaponics, crop protection, and bioremediation for the sake of Hawaii's future. The Magoon Research and Teaching facility is vital in providing the facilities necessary to conduct this research. It is also the site of important instruction for numerous classes for undergraduates and grad students. **Therefore, I strongly encourage our legislators to support HCR 104 and designate Magoon to CTAHR.**

UH Faculty Teaching at Magoon

Personal Testimony Presented Before
the House Committee on Agriculture

Rep. Clift Tsuji, Chair

Rep. Mark J. Hashem, Vice Chair

and

House Committee on Economic Revitalization & Business

Rep. Angus L.K. McKelvey, Chair

Rep. Isaac W. Choy, Vice Chair

Wednesday, March 21, 2012

by

Kheng T. Cheah

~~Support~~ for HCR 104, Relating to the Magoon Research and Teaching Facility

Chairmen Tsuji and McKelvey, and members of the House Committee on Agriculture and Committee on Economic Revitalization & Business: Thank you for the opportunity to testify in support of HCR 104, which designates the Magoon Research and Teaching Facility site for the College of Tropical Agriculture and Human Resources (CTAHR). My name is Kheng Cheah, I am an Associate Specialist at UH-Mānoa. However, today I am providing personal testimony.

I support HCR 104, calling for the designation of CTAHR's Magoon Research and Teaching Facility at UH-Mānoa as agricultural land to be protected for education and research purposes. As a professor who conducts Nursery Management classes at the Magoon Facility, I have direct knowledge of its value to the college and to the university.

The Magoon Facility is indispensable for training students in practical, hands-on applications of agricultural production and research. My classes are in the area of Nursery Management, and it is necessary that they be held at Magoon because of the facility's glasshouse and misting facilities which is essential for the study on Nursery Management.

Proximity and convenience are also key. Students often only have ten minutes to get from one class to the next, and therefore it would entirely impracticable to conduct a class in any location further from the Mānoa campus than Magoon. The next closest location for fieldwork is the college's Waimanalo station, which, besides the fact that it focuses on many different concerns than Magoon, is so far distant that to be obliged to travel there would entirely disrupt students' academic schedules.

As an educator, I deeply believe that we must understand that the needs of the students are paramount. I therefore strongly encourage our legislators to support HCR 104 and thereby assist CTAHR in fulfilling its important mandates of instruction, research, and outreach to the community.