Of Innovation, Collaboration, and Compassion

Learning from each other. I love education. One of the most important things that we in the university community do is facilitate learning. Knowledge is a privilege and the passing on of that knowledge is an important trust.

That is why I am inspired by the three stories in this quarter’s Impact Report. While they all are about delivering knowledge, they also emphasize that teaching is not just a classroom-based, top-down, professor-to-student process. Rather, they show the ways we can empower others to share the knowledge they possess.

The Pre-Veterinary Club not only gives students important skills and fun opportunities; it pairs them with practicing vets who can mentor them and bring them into the veterinary community. The new farmers, beekeeping, and agricultural projects on Moloka‘i’s look to the farmers themselves for lessons and improvements needed. And the Forest Stewards are offered opportunities to help their neighbors and peers work toward goals they all share.

I am always learning as I discuss issues and work with those in the CTAHR ‘ohana and in the community. I am excited about this evolution of peer knowledge transfer. It is a powerful multiplier that will have significant economic and social impacts for our state.

Aloha,

Maria Gallo
Dean and Director of CTAHR

www.ctahr.hawaii.edu
www.facebook/uhctahr

“Knowledge is a privilege and the passing on of that knowledge is an important trust.”
Learning from each other.

I love education. One of the most important things that we in the university community do is facilitate learning. Knowledge is a privilege and the passing on of that knowledge is an important trust. That is why I am inspired by the three stories in this quarter’s Impact Report. While they all are about delivering knowledge, they also emphasize that teaching is not just a classroom-based, top-down, professor-to-student process. Rather, they show the ways we can empower others to share the knowledge they possess.

The Pre-Veterinary Club not only gives students important skills and fun opportunities; it pairs them with practicing vets who can mentor them and bring them into the veterinary community. The new farmers, beekeeping, and agricultural projects on Moloka‘i look to the farmers themselves for lessons and improvements needed. And the Forest Stewards are offered opportunities to help their neighbors and peers work toward goals they all share.

I am always learning as I discuss issues and work with those in the CTAHR ‘ohana and in the community. I am excited about this evolution of peer knowledge transfer. It is a powerful multiplier that will have significant economic and social impacts for our state.

Aloha,

Maria Gallo
Dean and Director of CTAHR

COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES
University of Hawai‘i at Mānoa
3050 Maile Way, Gilmore Hall 202
Honolulu, HI 96822
www.ctahr.hawaii.edu

ADMINISTRATION
Maria Gallo, dean and director
Charles Kinoshita, associate dean for academic and student affairs
J. Kenneth Grace, interim associate dean and associate director for research
Carl Evensen, interim associate dean and associate director for Cooperative Extension
Russell Nagata, county administrator, Hawai‘i
Roy Yamakawa, county administrator, Kaua‘i
Harold Keyser, county administrator, Maui
Roy Ushida, county administrator, O‘ahu

DEPARTMENTS
Family and Consumer Sciences
Barbara Yee, chair
Human Nutrition, Food and Animal Sciences
Douglas Vincent, chair
Molecular Biosciences and Bioengineering
David Christopher, chair
Natural Resources and Environmental Management
Cathy Chan-Halbrendt, chair
Plant and Environmental Protection Sciences
Brent Sipes, chair
Tropical Plant and Soil Sciences
Robert E. Paull, chair

Impact Report Staff
Office of Communication Services
Frederika Bain, writer/editor
Miles Hakoda, director
Sharon Tasato, circulation services

The University of Hawai‘i is an equal opportunity, affirmative action institution.

The University of Hawai‘i trademarks are registered with the U.S. Patent and Trademark Office.
Master Stewards of the Forest

We all do it: “Wow, how do you get your tomatoes to grow so big?” “What do you do about whitefly?” Friends and neighbors are often the first ones we ask for advice on matters great and small. They’re right there, plus we might not know what professionals to ask or feel comfortable contacting them. “Master” programs such as Master Gardeners and Master Naturalists have taken this concept to the next level, training volunteers to much far more people than formal extension programs can. The Hawai‘i Forest Stewards program does this on a more expansive scale, training forest landowners to be a trusted source of information for their peers on managing their forests.

Make no mistake: forests need management. The first class of Hawai‘i Forest Stewards, which graduated in August in Volcano on the Big Island, was amazed by what goes into taking care of a forest. The program, led by CTAHR extension forester J.B. Friday, covered such topics as Hawaiian natural history, invasive species, silviculture, growing koa, and agroforestry, as well as financial planning, conservation easements, and taxes. Norm Benoza spoke about rainforests, Doug Cram taught landowners how to protect their forest lands from fire, Robette Parsons taught about soil and water protection, and Donna Hall presented on Hawai‘i’s native species. A program highlight was a presentation on Hawaiian cultural perspectives on the forest and the land by Kamakani Dancil and Keala Kana‘akekōle.

The class themselves showed they were already ready to start helping each other, bringing together an array of experiences and skills ranging from tree planting and coffee farming to bamboo culture and invasive species management. Now they’re planning outreach events including farm and forest tours, organization of invasive species control efforts, and articles in the local media. The goal is not to advocate for one specific type of forest management, but to help landowners make informed decisions about their land. And with the Forest Stewards program slated to be an annual course, held around the Islands, that information is on the move.

Get Vet?

Bringing pigs ears if possible. Not the commonest directive in a club meeting announcement—unless you’re talking about the campus Pre-Veterinary Medicine Club.

Members will be learning to suture, and pig ears—or feet—are the right texture to practice on. (Those who can’t find them in a local grocery store can bring a hand towel into class.)

The PVC offers the option of mentorship by a practicing veterinarian in the state, helping out and seeing what the daily business of caring for and healing animals entails. The club also offers tours and learning opportunities at farms and organizations such as the Hawaiian Humane Society, and hands-on activities at everything from sheep shearing and horse handling to the aforementioned suturing lab. It’s all not work, either; members ride horses, bond at beach parties, and make friends with others who have similar interests.

And the club is exceeding in all of its goals: membership has more than tripled, and more and more students are getting accepted into veterinary schools. And any pigs in the Island with ear-piercing emergencies can surely rest easier, knowing that there are plenty of aspiring veterinarians who will be able to suture them up.

For more information about the club, check out their whais at http://manoa.hawaii.edu/rio/prevet/ or email prevet@hawaii.edu.

For information about CTAHR’s pre-veterinary medicine program visit www.ctahr.hawaii.edu/hnfas/degrees/undergrad/preVet.html or email prevetprogram@ctate.hawaii.edu.
Master Stewards of the Forest

W e all do it. “Wow, how do you get your tomatoes to grow so big?” “What do you do about whitefly?” Friends and neighbors are often the first ones we ask for advice on matters great and small. They’re right there, plus we might not know what professionals to ask or feel comfortable contacting them. “Master” programs such as Master Gardeners and Master Naturalists have taken this concept to the next level, training volunteers to much far more people than formal extension programs can. The Hawai’i Forest Stewards program does this on an even more expansive scale, training forest landowners to be a trusted source of information for their peers on managing their forests. Make no mistake: forests need management. The first class of Hawai’i Forest Stewards, which graduated in August in Volcano on the Big Island, was amazed at what goes into taking care of a forest. The program, led by CTAHR extension forester J.B. Friday, covered such topics as Hawaiian natural history, invasive species, silviculture, growing koa, and agroforestry, as well as financial planning, conservation easements, and taxes. Norm Benoa spoke about reforestation. Doug Cram taught landowners how to protect their forest lands from fire. Robetka Parsons taught about soil and water protection, and Donna Hall presented on Hawai’i’s native species. A program highlight was a presentation on Hawaiian cultural perspectives on the forest and the land by Kamakani Duncan and Keula Hamakawa.

The class themselves showed they were already ready to start helping each other, bringing together an array of experiences and skills ranging from tree planting and coffee farming to bamboo culture and invasive species management. Now they’re planning outreach events including farm and forest tours, organization of invasive species control efforts, and articles in the local media. The goal is not to advocate for one specific type of forest management, but to help landowners make informed decisions about their land. And with the Forest Stewards program slated to be an annual course, held around the Islands, that information is on the move.

F or a small island, Moloka’i’s got a lot of arable land ready for farming—over 7,600 acres in Waihānu alone. And there’s no doubt the state needs all the farmers it can get. But farming can be tough and lonely, especially for those just starting out. Now CTAHR’s Moloka’i Extension office is offering three programs to help hopeful farmers get onto the land and working towards food sustainability.

The Moloka’i Native Hawaiian Beginning Farmer Program focuses on creating new family farms on Hawaiian Home Lands and also responds to the need for younger farmers to alter the aging farmer demographic. Participants have access to credit, irrigation water and a half-acre of land, and agents Alon Atakale, Glenn Teves, and Jennifer Hawkins offer field demonstrations, mentoring, and classes on such topics as windbreaks and plant diseases. The new farmers develop and implement a production map and deliver their product to market each week—everything from butterfly melons through eggs and strawberries to wing beans. The program’s getting toves: “Anyone who’s serious about farming should sign up,” says participant John Freeman.

Meanwhile, the Native Hawaiian Beginning Berkeepirng Class, initiated by Jennifer Hawkins, teaches farmers growing high-value, pollinator-dependent crops such as melons and squash to establish and maintain their own bee colonies. Moloka’i doesn’t have the varroa mite that’s been decimating hives on other islands, but the small hive beetle has recently arrived, so growers want to be able to monitor their own hives rather than depending on wild pollinators that might succumb to the pest.

The Moloka’i Hawaiian Homes Agricultural Program, begun in the ‘80s, continues to work on larger-scale infrastructure and other issues identified by the farmers. It includes water delivery improvements, harbor strengthening, a research and demonstration farm, a community processing kitchen for value-added products, a community tractor service, a livestock cooperative, and a community college farm program. The most recent initiatives include other equipment services and the production of fertilizer and compost.

Moloka’i’s been through some hard times in the past, including deforestation, erosion, and the loss of its water table. But now, with this renewed agricultural activity, people aren’t just growing crops in the island’s red soil; they’re growing hope.

Wouldn’t You Rather Be Riding a Tractor on Moloka’i?

Class I participant Micah Buchanan with parents Meka and Laurie Buchanan planting strawberry plants.

Class I participant John Freeman inspecting his field of butternut squash in Waihānu.

Get Vet?

B ring pig ears if possible. Not the commonest directive in a club meeting announcement—unless you’re talking about the campus Pre-Veterinary Medicine Club. Members will be learning to suture, and pig ears—or feet—are the right texture to practice on. (Those who can’t find them in a local grocery store can bring a hand towel instead.)

Practical, hands-on, and imaginative—these are hallmarks of club advisor Dr. Ashley Stokes’s mentorship style. Both a veterinarian and a professor in the department of Human Nutrition, Food and Animal Sciences, as well as last year’s Ke Puakeha (Mentor) Award winner, Dr. Stokes has also drawn a horse’s skeletal system on its skin to show how it looks in 2-D, as the horse trots, among other innovative and effective ways to get students interested and keep them learning.

Due to increased competition and only 28 US veterinary schools, getting accepted to a veterinary program has become far more difficult than getting into some of the other medical professions. When Dr. Stokes came to CTAHR in 2009, one of the first things the energetic professor did was revive and improve the languishing club, as a step towards positioning students to nab those highly prized spaces.

The PVC offers the option of mentorship by a practicing veterinarian in the state, helping out and seeing what the daily business of caring for and healing animals entails. The club also offers tours and learning opportunities at farms and organizations such as the Hawaiian Humane Society, and hands-on activities at everything from sheep shearing and horse handling to the aforementioned suturing lab. It’s not all work, either; members ride horses, bond at beach parties, and make friends with others who have similar interests.

And the club is exceeding in all of its goals: membership has more than tripled, and more and more students are getting accepted into veterinary schools. And any pigs in the Islands with ear-piercing emergencies can surely rest easier, knowing that there are plenty of aspiring veterinarians who will be able to suture them up.

For more information about the club, check out their whois at http://manoa.hawaii.edu/rio/prevet/ or email prevet@hawaii.edu.

For more information about CTAHR’s pre-veterinary medicine program visit www.ctahr.hawaii.edu/hfmas/degrees/undergrad/prevet.html or email prevetprogram@ctate.hawaii.edu.

CTAHR IMPACT 2012

CTAHR IMPACT 2012

CTAHR IMPACT 2012

For more information about Hawai’i Forestry Extension, visit their website at www.ctahr.hawaii.edu/forestry.

For more information about the club, check out their whois at http://manoa.hawaii.edu/rio/prevet/ or email prevet@hawaii.edu.

For more information about CTAHR’s pre-veterinary medicine program visit www.ctahr.hawaii.edu/hfmas/degrees/undergrad/prevet.html or email prevetprogram@ctate.hawaii.edu.
Master Stewards of the Forest

We all do it: "Wow, how do you get your tomatoes to grow so big?" "What do you do about whitefly?" Friends and neighbors are often the first ones we ask for advice on matters great and small. They’re right there, plus we might not know what professionals to ask or feel comfortable contacting them. "Master" programs such as Master Gardeners and Master Naturalists have taken this concept to the next level, training volunteers to much more than merely formal extension programs can. The Hawai‘i Forest Stewards program does this on an even more expansive scale, training forest landowners to be a trusted source of information for their peers on managing their forests.

Make no mistake: forests need management. The first class of Hawai‘i Forest Stewards, which graduated in August in Volcano on the Big Island, was amazed by what goes into taking care of a forest. The program, led by CTAHR extension forester J.B. Friday, covered such topics as Hawaiian natural history, invasive species, silviculture, growing koa, and agroforestry, as well as financial planning, conservation easements, and taxes. Norm Benoa spoke about conscientious, Doug Cram taught landowners how to protect their forest lands from fire, Bobette Parsons taught about soil and water protection, and Donna Hall presented on Hawai‘i’s native species. A program highlight was a presentation on Hawaiian cultural perspectives on the forest and the land by Kamakani Dancil and Keala Kanaka‘ole.

The class themselves showed they were already ready to start helping each other, bringing together an array of experiences and skills ranging from tree planting and coffee farming to bamboo culture and invasive species management. Now they’re planning outreach events including farm and forest tours, organization of invasive species control efforts, and articles in the local media. The goal is not to advocate for one specific type of forest management, but to help landowners make informed decisions about their land. And with the Forest Stewards program slated to be an annual course, held around the Islands, that information is on the move.

For more information about Hawai‘i Forestry Extension, visit their website at www.ctahr.hawaii.edu/forestry

Wouldn’t You Rather Be Riding a Tractor on Moloka‘i?

For a small island, Moloka‘i’s got a lot of arable land ready for farming—over 7,600 acres in Ho‘olehua alone. And there’s no doubt the state needs all the farmers it can get. But farming can be tough and lonely, especially for those just starting out. Now CTAHR’s Moloka‘i Extension office is offering three programs to help hopeful farmers get onto the land and working towards food sustainability.

The Moloka‘i Native Hawaiian Beginning Farmer Program focuses on creating new family farms on Hawaiian Home Lands and also responds to the need for younger farmers to alter the aging farmer demographic. Participants have access to irrigation water and a half-acre of land each, and agents Alton Arakaki, Glenn Teres, and Jennifer Hawkins offer field demonstrations, mentoring, and classes on such topics as windbreaks and plant diseases. The new farmers develop and implement a production map and deliver their product to market each week—everything from bittersweet and strawberries to wing beans. The program’s getting toves: “Anyone who’s serious about farming should sign up,” says participant John Freeman.

Meanwhile, the Native Hawaiian Beginning Beekeeping Class, initiated by Jennifer Hawkins, teaches farmers growing high-value, pollinator-dependent crops such as melons and squash to establish and maintain their own bee colonies. Moloka‘i doesn’t have the varroa mite that’s been decimating hives on other islands, but the small hive beetle has recently arrived, so growers want to be able to monitor their own hives rather than depending on wild pollinators that might succumb to the pest.

The Moloka‘i Hawaiian Homes Agricultural Program, begun in the ‘80s, continues to work on larger-scale infrastructure and other issues identified by the farmers. It includes water delivery improvements, harbor strengthening, a research and demonstration farm, a community processing kitchen for value-added products, a community tractor service, a livestock cooperative, and a community college farm program. The most recent initiatives include other equipment services and the production of fertilizer and compost.

Moloka‘i’s been through some hard times in the past, including deforestation, erosion, and the loss of its water table. But now, with this renewed agricultural activity, people aren’t just growing crops in the island’s red soil; they’re growing hope.

For more information about the club, check out their website at http://manoa.hawaii.edu/rio/prevet/ or email prevet@hawaii.edu

For information about CTAHR’s pre-veterinary medicine program visit www.ctahr.hawaii.edu/hnfas/degrees/undergrad/prevet.html or email prevetprogram@ctahr.hawaii.edu

Don’t see the club in your area? No problem. Almost any group—whether a club meeting announcement—unless you’re talking about the campus Pre-Veterinary Medicine Club. Members will be learning to suture, and pig ears—or feet—have the right texture to practice on. (Those who can’t find them in a local grocery store can bring a hand towel instead.)

Practical, hands-on, and imaginative—these are hallmarks of club advisor Dr. Ashley Stokes’ mentorship style. Both a veterinarian and a professor in the department of Human Nutrition, Food and Animal Sciences, as well as last year’s Ke Pu‘uhana (Mentor) Award winner, Dr. Stokes has also drawn a horse’s skeletal system on its skin to show how it looks in 2-D as the horse trots, among other innovative and effective ways to get students interested and keep them learning.

Due to increased competition and only 28 US veterinary schools, getting accepted to a veterinary program has become far more difficult than getting into some of the other medical professions. When Dr. Stokes came to CTAHR in 2009, one of the first things the energetic professor did was revive and improve the languishing club, as a step towards positioning students to nab those highly prized spaces.

The PVC offers the option of mentorship by a practicing veterinarian in the state, helping out and seeing what the daily business of caring for and healing animals entails. The club also offers tours and learning opportunities at farms and organizations such as the Hawaiian Humane Society, and hands-on activities at everything from sheep shearing and horse handling to the aforementioned suturing lab. It’s not all work, either; members ride horses, bond at beach parties, and make friends with others who have similar interests.

And the club is exceeding in all of its goals: membership has more than tripled, and more and more students are getting accepted into veterinary schools. And any pigs in the Islands with one-glancing emergencies can surely rest easier, knowing that there are plenty of aspiring veterinarians who will be able to suture them up.

For more information about Hawai‘i Forestry Extension, visit their website at www.ctahr.hawaii.edu/forestry

Photo: Bob Krauss

CTAHR extension forester J.B. Friday teaches volunteers in the Forest Stewards program how to measure the diameter of forest trees.

The class participant John Freeman inspecting his field of butternut squash in Ho‘olehua.
“Knowledge is a privilege and the passing on of that knowledge is an important trust.”

Maria Gallo
Dean and Director of CTAHR

www.ctahr.hawaii.edu
www.facebook/uhctahr

Learning from each other. I love education. One of the most important things that we in the university community do is facilitate learning. Knowledge is a privilege and the passing on of that knowledge is an important trust.

That is why I am inspired by the three stories in this quarter’s Impact Report. While they all are about delivering knowledge, they also emphasize that teaching is not just a classroom-based, top-down, professor-to-student process. Rather, they show the ways we can empower others to share the knowledge they possess.

The Pre-Veterinary Club not only gives students important skills and fun opportunities; it pairs them with practicing vets who can mentor them and bring them into the veterinary community. The new farmers, beekeeping, and agricultural projects on Moloka’i look to the farmers themselves for lessons and improvements needed. And the Forest Stewards are offered opportunities to help their neighbors and peers work toward goals they all share.

I am always learning as I discuss issues and work with those in the CTAHR ‘ohana and in the community. I am excited about this evolution of peer knowledge transfer. It is a powerful multiplier that will have significant economic and social impacts for our state.

Aloha,

Maria Gallo
Dean and Director of CTAHR

www.ctahr.hawaii.edu
www.facebook/uhctahr

Of Innovation, Collaboration, and Compassion

The University of Hawai‘i at Mānoa is an equal opportunity, affirmative action institution. The University of Hawai‘i trademarks are registered with the U.S. Patent and Trademark Office.

www.ctahr.hawaii.edu
www.facebook/uhctahr