

CTAHR RESEARCH NEWS

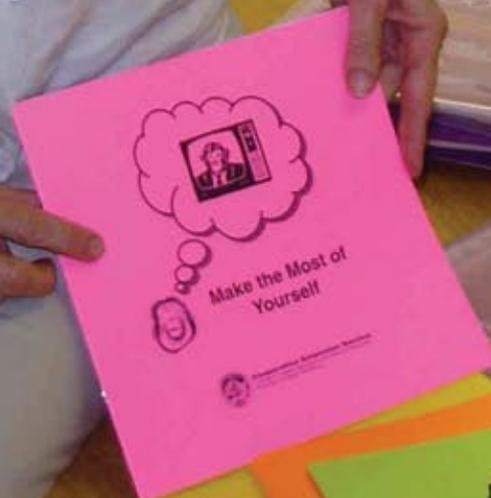
April 2007
Volume 3, Issue 4

Community
Development

A bulging
calabash

Land Grant
research
directors
meet in
Hawaii

Linda Cox displays a few of the many learning materials she's developed for young entrepreneurs.





C.Y. Hu
Associate Dean and
Associate Director for
Research

From the Associate Dean and Associate Director for Research

UH celebrated its centennial charter day on March 25th of this year. The UH Women’s Club organized a tea party in front of Hawaii Hall to mark the passing of the 100 years of the UH and our college. I enthusiastically recommend that you read *Malamalama* by Robert Kamins and Robert Potter, an excellent book about history of our college and our University. Speaking of the history, as you know the Agricultural Experiment Station (AES) system was established in 1887, and the Extension Service (ES) was established in 1914. Although AES and ES have been working closely together to serve our stakeholders, there has been a clear cultural division between the two systems, nationally and locally. Many people recognize this, and it subsequently led the USDA/CSREES to mandate spending a minimal 25% of our federal formula funding on “INTEGRATED” projects. The term “integrated” means integration of instruction, research and extension activities in our projects. We have gradually transitioned most of our research projects into integrated projects in the last two years, and will continue this trend of encouraging our researchers to incorporate extension activities in their work, and our extension staff to incorporate research in their extension programs. A good example of an integrated program can be found in our cover story of this issue: Dr. Linda Cox’s Community Economic Development Program. You will notice some characteristics of this program include multi-disciplinary, multi-state, and team oriented approaches, making Linda’s program a truly integrated program. As we move forward, we stress the need to apply the same model to most, if not all, of our projects.

This has been an extremely busy month for our office. We hosted a joint Western and North Central regional AES Directors’ spring meeting on March 19-22 in Kona. We submitted our annual plan of work accomplishment report and plan of work update to CSREES which were due on April 1. The annual student research symposium was successfully concluded on April 5, and our annual award banquet was another great event that saw more than 500 guests in attendance to celebrate this centennial event. We have provided some photos in the endnote section and Doug has provided additional information on several other important items for your consumption.

Andy, Doug and I were invited to a lunch meeting hosted by the senate executive committee and the research committee on April 5, to discuss facilitation of information sharing and communications between faculty and dean’s offices. Many good suggestions were made which we would like to implement in the coming months. As our listening sessions on specific issues have received positive feedback, it was suggested that we hold more listening sessions without specific issues. Stay tuned on the announcement of these sessions.

We have an open door policy in the Research Office. Please stop by, call, or email me whenever you feel you need to be heard, and any comments, suggestions, and encouragement will be gratefully accepted. BTW, I did not receive any publications this past month, which is hard to believe given the size of our faculty. So, please do send me your noteworthy accomplishments for the next issue of *CRN*.

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CTAHR's Community Economic Development Program: high impact research

By Linda J. Cox, Ph. D.
Specialist in Community Development
Department of Natural Resources and Environmental Management



Lauren Endo (Oahu, Hawaii), Linda Cox (Montana), and Katya Boehle (California) discuss data that has been collected on Spinner dolphins.

For nearly two decades, I have had the pleasure of being the leader of CTAHR's Community Economic Development Program (CEDP). Our program has been at the forefront of integrating extension and research to provide communities with up-to-date information to assist in planning and decision-making. The program focuses primarily on extending science-based content to clients (aka Extension work), but also supports research on resource management, looking at current practices and future uses. This close integration of the research and extension programs within CEDP makes up-to-date information available on a variety of topics to community members, at times when this information is critical to community, industry, and resource planning. The research agenda for the CEDP generally examines various aspects of market and non-market valuation, although the specific subject matter ranges broadly from landscaping to value-added beef products. Current efforts are concentrated

on five topics: Hawaii spinner dolphins, the Hawaii livestock industry, "Green roofs," ecotourism, and community-business matching. At this time, only one researcher in NREM is involved with CEDP, but a wealth of collaborative relationships has been forged with researchers across the campus, across the state, and across the nation. While challenges sometimes arise from the wide dispersion of these researchers, the program is significantly enhanced by the breadth of knowledge provided by these experts.

One of current research topics that CEDP is exploring is the susceptibility of Hawaii's spinner dolphins to human influence. Spinner dolphins are not considered an endangered species, and are therefore not protected the Endangered Species Act, and not under the protection or regulation of the NOAA's National Marine Fisheries Service (NOAA Fisheries). However, many community members feel that local tour boat operations that provide wild dolphins excursions have



Lauren Endo proofreads a draft of a publication to be put out by the Community Economic Development Program.

gone the past point of “Maximum Sustainable Yield” (MSY), resulting in damage to Hawaii’s wild dolphin populations. **MinLing Pan** (NOAA Fisheries and a graduate of CTAHR) and Wuyang Hu (University of Kentucky) lead the team that collected and analyzed data. NREM graduate students, **Lara Kozloff** (PhD candidate) and **Katya Boehle** (MS candidate), round out this research group. Ms. Kozloff will be evaluating

alternative management plans and Ms. Boehle will be estimating the market and non-market valuation of dolphin excursions.

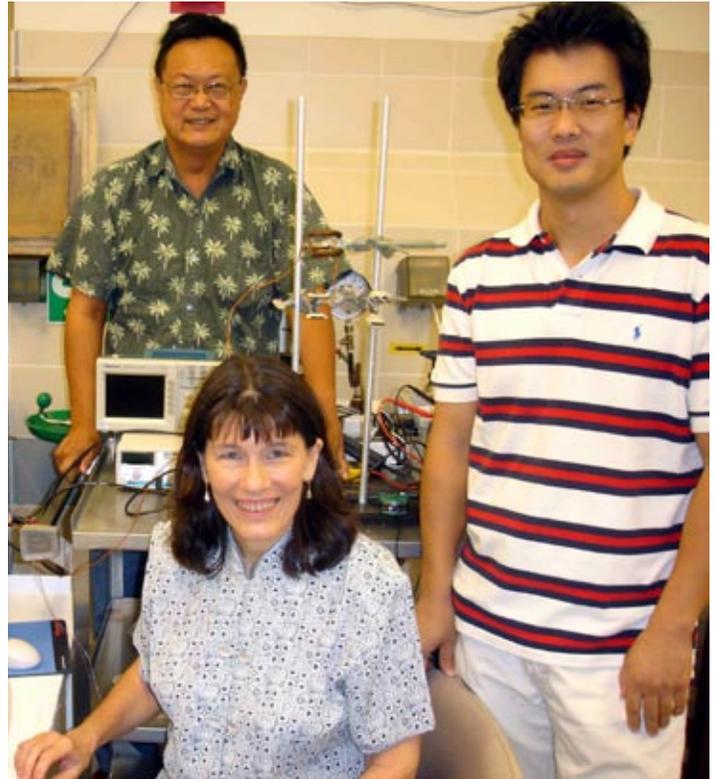
CEDP is also focusing on Hawaii’s livestock industry. The Hawaii livestock industry is facing many challenges as shipping calves to the US mainland – the industry’s predominate practice – becomes increasingly *less* cost-effective. The industry has made significant progress in the development of a market for local beef, particularly since the “CTAHR Beef Initiative” became operational a few years ago. Unfortunately, many challenges to fully develop this market still remain, and the CEDP has been an integral part of finding a solution. CEDP has organized two working groups to look at various aspects of this problem. **Mark Thorne** (HNFAS), **Jonathan Deenik** (TPSS), **Harold Keyser** (Maui County) and I are the team involved in pasture remediation research (featured in *CTAHR’s 2006 Impact Report*). In the second working group, I am joined by **Soojin Jun** (HNFAS) and **Alvin Huang** (HNFAS), and we are involved in a new effort to develop a value-added beef product from less desirable cuts of Hawaii beef. This new beef product can be set on the grocer’s shelf in a flexible retort pouch, like those that hold tuna and chicken. Using this design, visitors could easily take



Linda Cox and Katya Boehle practice a presentation of the market and non-market data they are collecting on Spinner dolphins in Hawaii.

home Hawaii beef, prepared as part of our delicious, and unique, island cuisine.

CEDP aims to be at the forefront of the “Green roofs” development project. Green roofs incorporate ecological or vegetative surfaces that are part of a human-made structure like roof gardens and new high-tech, thin profile options. Green roofs, common in many U.S. mainland and European cities, are rarely found in tropical areas. Six months ago, **Andrew Kaufman** (TPSS), **Tomoaki Muira** (NREM), Roxanne Adams (UH Landscaping), Dawn Easterday (Belt Collins), Leyla Cabugos (Botany graduate student) and I formed a team to investigate the possibilities for green roofs in Hawaii. The preliminary assessment indicated that green roofs have the potential to provide a host of benefits to Hawaii, including improved aesthetics, rainwater management, noise reduction, improved air quality, heat reduction and energy savings. The team is now working on the development of a long-term research agenda and pilot projects to gather data on tropical green roofs.



Alvin Huang, Linda Cox and Soojin Jun take 5 from their work on Hawaii beef-in-a-pouch.



Linda Cox is joined by the UH Environmental Center’s Scott Burch and John Cusick, and Harold Richins of UH’s Department of Travel Industry Management.

Ecotourism has long been a topic of interest for the CEDP and for our team of researchers: John Cusick (UH Environmental Center), Harold Richins and Juanita Liu (Travel Industry Management), and Shirley Daniels (Shidler College of Business Administration). In order to develop a long-term research agenda and gather preliminary data to begin work, a 2007 grant from the Center for International Business Education and Research was obtained. Work has just begun and the team is excited about the possibilities.

With the help of CEDP, the Community Business Matching (CBM) project involves helping a community define their development goals. The process first involves determining what assets are available to attract the desired development. Then, the requirements of various businesses are investigated and the CBM model pairs or matches the community's goals and assets with the businesses' requirements. Work in this area has been partially funded by the Western Rural Development Center and the team includes Tom Harris (University of Nevada at Reno), Wuyang Hu and Alison Davis (University of Kentucky). Our team has completed two pilot projects in Nevada and Montana, and is preparing a search for funding to develop a larger business database in order to fulfill requests from other communities.



Linda J. Cox

Hometown: Bozeman, Montana

Joined CTAHR: 1983

Educational History: Ph.D., Agricultural Economics, Texas A&M University, 1982; M.S., Economics, Montana State University, 1978; B.S., Magna Cum Laude, Business, Montana State University, 1976.

Specialization: Community Economic Development

Current Work: Develop curriculum and provide formal and informal education; conduct and extend applied research on topics including entrepreneurship, resource management, business management, sustainable development, and human resource development.

Languages spoken: English

The Community Economic Development Program demonstrates that integrated research-extension efforts are the best approach to helping Hawaii's communities. We are looking forward to many more years of research that makes a difference in Hawaii and elsewhere. If you would like to contribute your time or expertise to any of CEDP's ongoing research and extension projects, please contact me <<mailto:lcox@hawaii.edu>> for more information.

The research calabash

By Doug Vincent
Special Program Director for Grants and Contracts

Virginia Tech

Our hearts go out to the families of the victims, to the faculty, staff and students of Virginia Tech. The horrific events of April 16, 2007, leave a chasm that will be difficult to fill. As a sister Land-Grant University, with the similar mission of research, instruction and outreach as CTAHR, this tragedy hits very close to home. For example, one of the victims, Jocelyne Couture-Nowak, a French instructor, was the wife of Head of the Horticulture Department at Virginia Tech. Another victim, Emily Jane Hilscher was a pre-vet undergraduate in Animal and Poultry Sciences. From award winning faculty members to graduate students from foreign lands to freshmen from rural Virginia – all fell victim to the senseless acts perpetrated by this sad young man with demons in his head. The message to us all is that life is a precious gift and not to be taken lightly and loved ones can be gone without warning or anticipation. Continue to keep our colleagues at Virginia Tech in your thoughts and prayers as they begin the healing and recovery process. UH provides services should difficulties arise in your life or the lives of people around you, students, other faculty and staff. The UH Ombuds Office provides help to faculty, staff and students. <http://manoa.hawaii.edu/ombuds/>. The UH Counseling and Student Development Center provides counseling services for students at UH-Manoa. Go here for more information: <http://www2.hawaii.edu/~csdc/index.html>.

HDOA Moratorium on Organism Imports

The Hawaii Department of Agriculture (HDOA), effective March 30, 2007, has instituted a moratorium on any new or renewal of importation permits due to the failure of UH personnel to submit annual or semi-annual reports. Please check your HDOA permit conditions. If a report or reports is past due submit them directly to the HDOA on your letterhead (e-mail is not permitted). If you have permits, you should have been contacted by the UH Institutional Biosafety Committee. Please submit any delinquent reports as soon as possible. Go here for more information: http://www.hawaii.edu/ehso/bio/DOA_moratorium.html. All permits will be held until all reports have been received.

Update on Loss of Earmarks

Confidence is high in that the Congressional Earmarks, lost in the FY 2007 budget, will be restored in the FY 2008 federal budget. The Democrat leadership in the Appropriations Committee warns, however, that the number of earmarks and the amount of funding directed toward earmarks will be cut. The Congress and the President are currently at odds about the Supplemental spending bill for the war in Iraq and none of FY 2008 appropriations bills have yet to be introduced. However, we have provided our requests to our Congressional delegation and have asked that all of the previous earmarks be put back into the FY 2008 budget at FY 2006 levels. But there will be opposition, and we won't really know where we stand until the appropriations bills have been passed. The Democrats have promised that all appropriations bills will be passed by the end of the federal fiscal year, so we should know by the end of September at the latest whether we will have new funding in FY 2008. In addition to requesting that the earmarks be put back in the next federal fiscal year, we have been working with our Congressional delegation to take some of our larger programs, e.g. ADAP and TSTAR and re-authorizing them into specific programs that would have their own "line" in the USDA budget. Converting "projects" into "programs" appears to be critically important in continued funding. It is fortuitous that the "Farm Bill" is being renewed this year and that these new reauthorizations would be added to the new Farm Bill. If we can get these programs their own budget line in the USDA budget, then it will be much easier to have funds appropriated to these programs. Our delegation is working closely with the Florida and Alaska delegations in this effort to re-do TSTAR and ADAP, respectively.

Dean Hashimoto has begun several initiatives to help carry us through the period of limited funding. He has requested the Hawaii State Legislature provide CTAHR with an additional \$500,000 to our base budget in the first year of the Biennial budget. Also, he has asked that the legislature appropriate an additional \$1,000,000 to Farm Bureau for research grants. This would provide additional research funding for CTAHR to compete for in the next state

fiscal year. Within the UH system, Andy has asked both the system Vice President for Research and the UH-Manoa Vice Chancellor for Research for \$500,000 each to help replace funding lost. The response has been sympathetic and they are particularly sympathetic toward graduate students. They need to know how many personnel will be affected. Because the FY 2006 funding was given late in the federal fiscal year, the impacts of the loss of FY 2007 funding are just now being felt. We have asked for a spreadsheet outlining the loss of funding from those impacted by the loss of funding. If you've not turned in this spreadsheet, download it here: http://www.ctahr.hawaii.edu/vincent/CTAHR_earmark_budget_expenditure.xls

Western SARE RFA's released

The Western Region Sustainable Agriculture Research and Extension Program has released RFA's for various funding opportunities for both researchers, specialists, farmers and ranchers. SARE grants are used to increase knowledge about sustainable agricultural practices and to help farmers and ranchers adopt these practices. Two deadlines are approaching. **Pre-applications for Research and Education (R&E) grants are due June 14, 2007.** R&E grants average around \$150,000 and typically involve scientists, producers, non-profits, and ag support agencies in interdisciplinary research or education projects. For more information about this program see the Western Region SARE web site at <http://wsare.usu.edu/grants> or to download the RFA here: http://wsare.usu.edu/grants/docs/req_re_08.pdf. The other deadline looming soon is the request for applications for the WSARE Graduate Student Fellow Grants in Sustainable Agriculture. This program provides funding for up to \$20,000 for a graduate program. The deadline for application is **May 31, 2007.** You can download the RFA from with web site: http://wsare.usu.edu/grants/docs/req_gs_08.pdf. Another feature of the Western Regional SARE program are the Farmer/Rancher and Professional + Producer Grants. Farmer/Rancher grants. Both programs provide opportunities for producers to work with professionals on on-site projects. Applications for these projects are both due **December 7, 2007.** Information about these programs can be found here for Farmer/Rancher grants: http://wsare.usu.edu/grants/docs/req_fr_08.pdf and here for Professional+Producer grants: http://wsare.usu.edu/grants/docs/req_pp_08.pdf.

Finally, WSARE offers Professional Development Grants to educate agricultural professionals about sustainable agriculture so that they, in turn, can help educate and train farmers and ranchers. The long-term outcome of this program is to ensure that agricultural professionals are conversant in sustainable agriculture principles and systems, and have ready access to resources that can help producers make informed decisions about adopting sustainable approaches with greater certainty and less risk. These proposals are due November 1, 2007 and the RFA can be downloaded here: http://wsare.usu.edu/grants/docs/req_pd_08.pdf.

Foreign Agricultural Service Opportunities

The USDA Foreign Agriculture Service accepts proposals to support export of U.S. crops into foreign markets. Some programs that might be appropriate for CTAHR and/or our stakeholder groups are Technical Assistance for Specialty Crops Programs. These are generally small grants, <\$70,000, to provide funding to assist U.S. organizations that address sanitary, phytosanitary and technical barriers that prohibit or threaten exports of U.S. specialty crops. U.S. specialty crops, as defined for this program, are all cultivated plants, or the products thereof, produced in the U.S., except wheat, feed grains, oilseeds, cotton, rice, peanuts, sugar and tobacco. Projects should be designed to accomplish the following: 1) address a sanitary, phytosanitary, or related technical barrier that prohibits the export of a U.S. specialty crop; 2) benefit the represented industry and not a specific company or brand; and 3) address barriers to U.S. specialty crops that are currently available on a commercial basis and for which barrier removal would predominantly benefit U.S. Exports. The deadline is short: **May 14, 2007.** More information can be found here: <http://www.fas.usda.gov/info/fr/2007/033007TASCapps.asp>. There are other FAS programs, especially in market development, which might be appropriate. Go here for more information: <http://www.fas.usda.gov/mos/marketdev.asp>. Deadlines are also May 14, 2007.

CTAHR to Host 5th Graders for Agriculture and Environmental Awareness

On April 26, 2007, the Pearl City Urban Garden Center will host over 500 5th graders in its first Oahu Agriculture and Environmental Awareness Day. Students will be at the PCUGC from 8:00 am – 1:00 pm. Based upon the successful Kauai and Hilo

Agriculture and Environmental Awareness Days, the event is intended to create a greater awareness and understanding of agriculture and the environment and to introduce students to career opportunities in agriculture and environmental studies.

A Definite “Good Friday!”

On April 5th and 6th, anxious and eager CTAHR students faced their colleagues, their mentors and the judges at the 19th Annual CTAHR Research Symposium. Nearly 90 abstracts were presented in oral or poster sessions. The CTAHR Office of Academic and Student Affairs once again provided expert leadership and coordination for the Symposium. Charly Kinoshita was the overall coordinator; Traci Sylva managed the Program; Travis Idol, Anne Alvarez and Dulal Borthakur were responsible for the judging; Wayne Toma coordinated the equipment and facilities; Allene Chun managed the registration, and Susan Nakamura handled the refreshments. Others on the Symposium committee were Jonathan Deenik, C.N. Lee, Vera Kadomoto, Erica Oshiro, Beverly Pang and Lori Yancura. Thanks to all of them for their extraordinary efforts. The list of judges, room monitors, and computer monitors is too long to list here but they all deserve our thanks. Sandro Jube and Anupma Sharma, Ph.D. candidates from MBBE won the awards for best oral and poster presentations, respectively. Mandy Anhalt and Daniel Adamski, M.S. students from PEPS and MBBE, respectively, won the awards for best oral

and poster presentations done by Master’s students. Congratulations and well done to all of you. For a full list of all the award winners and a list of all the judges and participants in the Symposium, go here: <http://www.ctahr.hawaii.edu/symposium/awardees.asp>.

CTAHR at the 50th Hawaii State Science and Engineering Fair

Another event celebrated a significant milestone this year. The 50th Annual Hawaii State Science and Engineering Fair was held April 2 – 4, 2007, at the Neal Blaisdell Center Exhibition Hall. CTAHR has had a long history of participation in the science fair and this year was no exception. The following faculty, students and staff served as judges: Dian Dooley, Margaret Gentz, Travis Idol, Dan Jenkins, Aleksander Josue, Charly Kinoshita, Kent Kobayashi, Spencer Malecha, Ed Mersino, Michael Robothan, Josef Seifert, Brent Sipes, Traci Sylva, Glenn Taniguchi, Alan Titchenal, Jinzeng Yang, and Halina Zaleski. Besides serving as volunteer judges, CTAHR faculty and staff served as mentors to the high school and middle school students. Mentors included Arnold Hara, Daniel Jenkins, Kent Kobayashi, Richard Ogoshi, Robert Paull and Janice Uchida. Thanks to all of you for encouraging science education and research among our students.

GA/TA Allocations for the 2007-2008 Academic Year

The CTAHR Office of Academic and Student Affairs has announced the allocation of State-funded teaching and graduate assistants for the 2007-2008 Academic Year. The allocations to each Department are listed below. Allocations are based upon CTAHR receiving the same number of graduate assistantships as last year and are partly dependent on the total number of student semester credit hours offered by the Department and the number of student majors in the unit. Departments should use these positions to hire new graduate assistants or continue supporting

existing graduate students. Allocations of Graduate Research/Teaching Assistantships are below:

GA/TA Allocations

Department	2006	2007
FCS	5	5
HNFAS	6	6
MBBE	4	4
NREM	4	4
PEPS	2	2
TPSS*	3	3

* includes one position for Agribusiness Certificate Program

Foreign research opportunities

By Doug Vincent
Special Program Director for Grants and Contracts

Is there a Fulbright in your future? That was the title of a recent workshop sponsored by the UH Center for Teaching Excellence earlier this month. If you are looking for a summer project and are due for a sabbatical leave, you might consider applying to become a **Fulbright Scholar**. The deadline is **August 1, 2007**. Ronaele Whittington of the FCS Department was CTAHR's most recent Fulbright recipient. Ronaele spent 1999 in Kyrgyzstan. The traditional Fulbright Scholar Program is open to U.S. citizens only and provides funding for a variety of educational activities, primarily university lecturing and research. The Fulbright program is sponsored by the U.S. Department of State and is administered by the Council for International Exchange of Scholars. Beyond the longer term, more traditional Fulbright Scholarship is the program for **Fulbright Senior Specialists**. This program provides short-term academic opportunities for two to six weeks for U.S. faculty and professionals. Applications for this program are accepted on a rolling basis, and peer review of applications is conducted eight times a year. For more information about the wide varieties of needs, countries and opportunities, visit the CIES website. <http://www.cies.org/cies.htm>.

Another short-term opportunity for foreign research is the program sponsored by the **Organization for Economic Cooperation Development**. OECD sponsors 10 week travel fellowships to address gaps

in knowledge, deepen understanding and enhance the scientific base of policy. Of particular interest are three main areas: "The Natural Resource Challenge," "Sustainability in Practice," and "The Food Chain." Deadline for submitting application is **September 30, 2007** for travel starting February 15, 2008. More information can be found here: http://www.oecd.org/departement/0,2688,en_2649_33903_1_1_1_1_1,00.html and to register for on-line application can be found here: [http://webnet3.oecd.org/biofellows/\(gij3df55g2ucxai2lzcydw55\)/Public/Register.aspx](http://webnet3.oecd.org/biofellows/(gij3df55g2ucxai2lzcydw55)/Public/Register.aspx)

The United States Israel **Binational Agricultural Research and Development** Program will be seeking application in **mid-September 2007**. The BARD grant program is a competitive funding program for mutually beneficial, mission-oriented, strategic and applied research of agricultural problems, jointly conducted by American and Israeli scientists. Most projects focus on increasing agricultural productivity, particularly in hot and dry climates, emphasize plant and animal health, food quality, and safety and environmental issues. To learn more about the BARD program, see their web site here: <http://www.bard-isus.com/>.

These are but a few of the opportunities available for foreign study, research and teaching. If you are feeling adventurous, consider applying for these opportunities.

Each month new funding opportunities

By Doug Vincent
Special Program Director for Grants and Contracts

Every month new funding opportunities open and others close. Of note this month, USDA Economic Research Service is seeking proposals on the economics of invasive species, due very soon, May 7, 2007. As noted in the Calabash, there are several USDA Foreign Agriculture Service proposals due mid-May. These require partnering with commodity groups. The deadline for several USDA CSREES NRI programs is also coming soon, June 5, 2007. There are several opportunities to obtain graduate student support coming soon – Western SARE graduate student fellowships are due May 31, 2007, Edmund Muskie Graduate Fellowships are due June 1, and are USDA CSREES National Needs Graduate Fellowship Grants. With all the news about global climate change, proposals are being accepted by U.S. EPA on the Ecological Impacts from the Interactions of Climate Change, Land Use Change and Invasive Species. Proposals are due June 29, 2007. There are also several small foundation

grants available. Please note, however, that my list is far from exhaustive. Use www.grants.gov to seek out information on federal grants. The Hawaii Community Foundation has many listings of local grants at: <http://www.hawaiicommunityfoundation.org/>. The University of Hawaii subscribes to two other sites to find grant opportunities. The Illinois Researcher Information Service (IRIS) has a powerful search engine for grant opportunities (you have to use your @hawaii.edu e-mail address to access it here: <http://www.library.uiuc.edu/iris/>). The Community of Science can provide you with e-mail alerts for open grants: <http://www.cos.com/services/workbench.shtml>. There are many places to find funding opportunities. As the summer approaches, why not make that summer project, finding some new funding to support your research, outreach or other activities. Good luck and as always, if our office can provide support, don't hesitate to ask.

U.S. Department of Energy
Office of Basic Energy Sciences – Chicago Service Center
Experimental Program to Stimulate Competitive Research (EPSCoR) Building EPSCoR – State/National Laboratory Partnerships
Pre-Application due: April 30, 2007
Proposal Deadline: July 16, 2007
<https://e-center.doe.gov/iips/faopor.nsf/UNID/A616F4E02E82F5868525724A0071740C?OpenDocument>

U.S. Department of Agriculture
CSREES – Minor Crops Pest Management Program
Proposal Deadline: April 30, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonom=1682>
http://www.csrees.usda.gov/funding/rfas/pdfs/07_minor_crops.pdf

U.S. Department of Agriculture
CSREES – Expert Integrated Pest Management Decision Support System
Proposal Deadline: April 30, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonom=1681>
http://www.csrees.usda.gov/funding/rfas/pdfs/07_expert.pdf

U.S. Department of Agriculture
Risk Management Agency
Community Outreach and Assistance Partnership Program
Proposal Deadline: May 1, 2007
<http://www.rma.usda.gov/aboutrma/agreements/>

U.S. Environmental Protection Agency
Nutrients Benefits Valuation
Proposal Deadline: May 2, 2007
<http://www.epa.gov/waterscience/criteria/nutrient/grants/nutrients-rfp.pdf>

U.S. Department of Health and Human Services
Administration for Children and Families
Head Start Graduate Student Research Grants
Proposal Due: May 1, 2007
<http://www.acf.hhs.gov/grants/open/HHS-2007-ACF-OPRE-YR-0068.html>

U.S. Department of Agriculture
CSREES – Resident Instruction Grants Program for Institutions of Higher Education in Insular Areas
Proposal Deadline: May 2, 2007
http://www.csrees.usda.gov/funding/rfas/pdfs/07_resident_insular.doc
<http://www.csrees.usda.gov/fo/fundview.cfm?fonom=1401>

U.S. Department of Health and Human Services
Administration for Children and Families
Head Start University Partnership Research Grants:
English Language Learners (ELLs) in Head Start and Early
Head Start Programs
Proposal Deadline: May 3, 2007
<http://www.acf.hhs.gov/grants/open/HHS-2007-ACF-OPRE-YF-0070.html>

U.S. Department of Education
Native Hawaiian Education Program CFDA 84.362A
Request for new programs
Proposal Deadline: May 7, 2007
<http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/pdf/E7-5374.pdf>

U.S. Department of Health and Human Services
Administration for Children and Families
Refugee Agricultural Partnership Program
Proposal Deadline: May 7, 2007
<http://www.acf.hhs.gov/grants/open/HHS-2007-ACF-ORR-ZR-0118.html>

U.S. Department of Agriculture
Economic Research Service
Program of Research on the Economics of Invasive
Species Management
Proposal Deadline: May 7, 2007
<http://www.ers.usda.gov/Briefing/InvasiveSpecies/invasivespecies2007.pdf>
<http://www.ers.usda.gov/Briefing/InvasiveSpecies/whatis.htm>

U.S. Department of Health and Human Services
Centers for Disease Control and Prevention
Racial and Ethnic Approaches to Community Health
Across the U.S. (REACH US)
Proposal Deadline: May 7, 2007
<http://www.cdc.gov/od/pgo/funding/DP07-707.htm>

U.S. Department of Health and Human Services
Administration for Children and Families
Transitional Living Program and Maternity Group Homes
Proposal Deadline: May 8, 2007
<http://www.acf.hhs.gov/grants/open/HHS-2007-ACF-ACYF-CX-0111.html>

U.S. Department of Agriculture
Foreign Agriculture Service
Emerging Markets Program
Proposal Deadline: May 14, 2007
<http://www.fas.usda.gov/mos/em-markets/em-markets.asp>

U.S. Department of Agriculture
Foreign Agriculture Service
Quality Samples Program
Proposal Deadline: May 14, 2007
<http://www.fas.usda.gov/mos/programs/QSP.asp>

U.S. Department of Agriculture
Foreign Agriculture Service
Foreign Market Development Program
Proposal Deadline: May 14, 2007
<http://www.fas.usda.gov/mos/programs/fmdprogram.asp>

U.S. Department of Agriculture
Foreign Agriculture Service
Market Access Program
Proposal Deadline: May 14, 2007
<http://www.fas.usda.gov/mos/programs/map.asp>

U.S. Department of Agriculture
Foreign Agriculture Service
Technical Assistance for Specialty Crops Program
Proposal Deadline: May 14, 2007
<http://www.fas.usda.gov/mos/tasc/tasc.asp>

U.S. Department of Agriculture
Rural Business-Cooperative Service
Value Added Producer Grants
Proposal Deadline: May 16, 2007
<http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/E7-7110.htm>
<http://www.rurdev.usda.gov/rbs/coops/vadg.htm>

U.S. Department of Agriculture
CSREES – Agriculture Risk Management Education
Competitive Grants Program
Proposal Deadline: May 17, 2007
http://www.csrees.usda.gov/funding/rfas/pdfs/07_ag_risk_mgt.doc
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1260>

U.S. Department of Agriculture
Risk Management Agency
Non-Insurance Risk Management Program Partnerships
Proposal Deadline: May 17, 2007
<http://www.rma.usda.gov/aboutrma/agreements/>
<http://apply.grants.gov/opportunities/instructions/oppUSDA-RMA-NIP-2007-01-cfda10.456-cidUSDA-RMA-NIP-2007-01-instructions.doc>

U.S. Department of Agriculture
Rural Development Agency
Renewable Energy Systems and Energy Efficiency
Improvement Grants
Proposal Deadline: May 18, 2007
<http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/pdf/E7-5198.pdf>

U.S. Department of Homeland Security
University Research in Homeland Security Science and
Technology Mission Areas
Proposal Deadline: May 21, 2007
http://www.ctahr.hawaii.edu/vincent/DHS_University_Research_2007.pdf

U.S. Department of Housing and Urban Development
Alaska Native and Native Hawaiian Institutions Assisting
Communities.
Proposal Deadline: May 23, 2007
<http://www.grants.gov/search/search.do?oppld=12960&mode=VIEW>

U.S. Department of Agriculture
CSREES – Conservation Effects Assessment Project
(CEAP)
Proposal Deadline: May 22, 2007
http://www.csrees.usda.gov/funding/rfas/pdfs/07_conservation_effects.pdf

National Institutes of Health
Developing and Improving Institutional Animal Resources
(G20)
Proposal Deadline: May 25, 2007
<http://grants.nih.gov/grants/guide/pa-files/PAR-07-342.html>

U.S. Department of Health and Human Services
Health Resources and Services Administration
Regional Collaborative for the Pacific Basin
Proposal Deadline: May 31, 2007
<https://grants.hrsa.gov/webExternal/FundingOppDetails.asp?FundingCycleId=3030FC43-893A-415F-87DB-B55198D23E13&ViewMode=EU&GoBack=&PrintMode=&OnlineAvailabilityFlag=&pageNumber=&version=&NC=&Popup=>

U.S. Department of Agriculture
Western Regional Sustainable Agriculture Research and
Education
Graduate Student Fellow Grants in Sustainable Agriculture
Proposal Deadline: May 31, 2007
http://wsare.usu.edu/grants/docs/req_gs_08.pdf

U.S. Department of State
Bureau of Educational and Cultural Affairs
Edmund S. Muskie Graduate Fellowship Program
Proposal Deadline: June 1, 2007
<http://exchanges.state.gov/education/rfgps/junho1rfgp.htm>

U.S. Department of Agriculture
CSREES – National Needs Graduate Fellowship Grants
Program
Proposal Deadline: June 1, 2007
http://www.csrees.usda.gov/funding/rfas/pdfs/07_national_needs.doc
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1280>

U.S. Department of Agriculture
CSREES – Smith-Lever Special Needs Funding
Proposal Deadline: June 1, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1680>
http://www.csrees.usda.gov/funding/rfas/pdfs/07_smith_lever.pdf

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Microbial Genomics (B): Functional Genomics of
Microorganisms
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1091>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Arthropod and Nematode Biology and Management (B)
and (C): Suborganismic Biology and Tools, Resources and
Genomics
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1602>

U.S. Department of Health and Human Services
National Institutes of Health
Bioengineering and Obesity
Proposal Deadline: June 5, 2007, October 5, 2007
<http://grants1.nih.gov/grants/guide/pa-files/PA-07-354.html>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Agricultural Markets and Trade
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1106>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Animal Growth and Nutrient Utilization
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1067>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Animal Genome
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1066>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Air Quality
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1062>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Human Nutrition and Obesity
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1095>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Plant Biosecurity
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1521>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Agricultural Markets and Trade
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1106>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Arthropod and Nematode Biology and Management (B)
and (C): Suborganismal Biology and Tools, Resources and
Genomics.
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1602>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Animal Genome
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1066>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Animal Growth and Nutrient Utilization
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1067>

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants
Program
Air Quality
Proposal Deadline: June 5, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1062>

U.S. Department of Agriculture
Rural Development Agency
Rural Cooperative Development Grants
Proposal Deadline: June 8, 2007
[http://www.rurdev.usda.gov/rbs/coops/rcdg/
FY%202007%20RCDG%20NOSA.pdf](http://www.rurdev.usda.gov/rbs/coops/rcdg/FY%202007%20RCDG%20NOSA.pdf)

U.S. Department of Agriculture
Rural Development Agency
Distance Learning & Telemedicine Grant Program
Proposal Deadline: June 11, 2007
<http://www.usda.gov/rus/telecom/dlt/dlt.htm>

U.S. Environmental Protection Agency
Science to Achieve Results (STAR) Grants
Computational Toxicology Centers: Development of
Predictive Environmental and Biomedical Computer-Based
Simulations and Models
Proposal Deadline: June 12, 2007
http://es.epa.gov/ncer/rfa/2007/2007_comp_tox.html

U.S. Department of Agriculture
Western Regional Sustainable Agriculture Research and
Education
Research and Education Grants
Pre-proposals Due: June 14, 2007
http://wsare.usu.edu/grants/docs/req_re_08.pdf

U.S. Department of Health and Human Services
U.S. Administration on Aging
National Center on Elder Abuse
Proposal Deadline: June 22, 2007
[http://www.aoa.gov/doingbus/fundopp/
announcements/2007/NCEA.doc](http://www.aoa.gov/doingbus/fundopp/announcements/2007/NCEA.doc)

U.S. Environmental Protection Agency
National Center for Environmental Research
Ecological Impacts from the Interactions of Climate
Change, Land Use Change and Invasive Species: A
joint research solicitation: EPA, USDA – H1 Aquatic
Ecosystems
Proposal Deadline: June 26, 2007
[http://es.epa.gov/ncer/rfa/2007/2007_star_ecoimpacts.
html](http://es.epa.gov/ncer/rfa/2007/2007_star_ecoimpacts.html)

U.S. Environmental Protection Agency
National Center for Environmental Research
Ecological Impacts from the Interactions of Climate
Change, Land Use Change and Invasive Species: A
joint research solicitation: EPA, USDA – H2 Terrestrial
Ecosystems
Proposal Deadline: June 26, 2007
[http://es.epa.gov/ncer/rfa/2007/2007_star_ecoimpacts.
html](http://es.epa.gov/ncer/rfa/2007/2007_star_ecoimpacts.html)

U.S. Department of the Interior
U.S. Fish and Wildlife Service
National Coastal Wetlands Conservation Grant Program
Proposal Deadline: June 29, 2007
[http://www.ctahr.hawaii.edu/vincent/National_Coastal
Wetlands_Conservation_Grant_Program.pdf](http://www.ctahr.hawaii.edu/vincent/National_Coastal_Wetlands_Conservation_Grant_Program.pdf)

U.S. Department of Agriculture
CSREES – Higher Education Multicultural Scholars
Program
Proposal Deadline: June 29, 2007
http://www.csrees.usda.gov/funding/rfas/pdfs/07_multicultural_selg.doc
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1110>

Hawaii Community Foundation
Fred Baldwin Memorial Foundation (funds Maui projects)
Proposal Deadline: July 2, 2007
http://www.hawaiicommunityfoundation.org/doc_bin/grant_rfps/2007/Baldwin_2007_guidelines.pdf

Department of Health and Human Services
National Institute of Health
Long-Term Weight Maintenance: Basic and Clinical Studies (R01)
Proposal Deadline: July 5, 2007, November 5, 2007
<http://grants.nih.gov/grants/guide/pa-files/PA-07-053.html>

Department of Health and Human Services
National Institute of Health
Retirement Economics (R01)
Proposal Deadline: July 5, 2007, November 5, 2007
<http://grants.nih.gov/grants/guide/pa-files/PA-07-075.html>

Department of Health and Human Services
National Institute of Health
Parenting Capacities and Health Outcomes in Youth and Adolescents (R01)
Proposal Deadline: July 5, 2007, November 5, 2007
<http://grants.nih.gov/grants/guide/pa-files/PA-07-061.html>

U.S. Environmental Protection Agency
National Center for Environmental Research
Development and Evaluation of Innovative Approaches for the Quantitative Assessment of Pathogens and Cyanobacteria and their Toxins in Drinking Water
Proposal Deadline: July 10, 2007
http://es.epa.gov/ncer/rfa/2007/2007_star_drinkingwater.html

Hawaii Community Foundation
Annie Sinclair Knudsen Memorial Fund/Kauai Community Grants Program
Proposal Deadline: July 16, 2007
http://www.hawaiicommunityfoundation.org/doc_bin/grant_rfps/2007/Knudsen_2007_RFP.pdf

U.S. Department of Agriculture
CSREES – National Research Initiative-Competitive Grants Program
Animal Protection and Biosecurity (C): Animal Biosecurity Coordinated Agricultural Products (CAP)
Proposal Deadline: August 14, 2007
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1522>

Open Meadows Foundation
Projects Benefitting Women and Girls
Proposal Deadline: August 15, 2007
<http://www.openmeadows.org/>

National Science Foundation
Environmental Engineering
Proposal Deadlines: September 15, 2007
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501029

National Science Foundation
Environmental Sustainability
Proposal Deadlines: September 15, 2007
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027

National Science Foundation
Environmental Technology
Proposal Deadlines: September 15, 2007
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030

National Science Foundation
Energy for Sustainability
Proposal Deadlines: September 15, 2007
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501026

National Science Foundation
Biotechnology (BTEC)
Proposal Deadlines: September 15, 2007
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501029

U.S. Department of Defense
United States Army Medical Research & Materiel Command
Broad Agency Announcement
Proposal Deadline: September 30, 2007
<http://www.usamraa.army.mil/pages/index.cfm>

U.S. Department of Health and Human Services
National Institutes of Health
Improving Diet and Physical Activity Assessment (RO1)
Letters of Intent Due: September 5, 2007; May 5, 2008
Proposal Deadline: October 5, 2007; June 5, 2008
<http://grants.nih.gov/grants/guide/pa-files/PAR-07-259.html>

U.S. Department of Interior
U.S. Fish and Wildlife Service
Coastal Program
Proposal Deadline: September 30, 2007
<http://www.fws.gov/coastal/CoastalProgram/>
http://www.fws.gov/pacificislands/worg/orghc_coastal.html

U.S. Department of Defense
National Biodefense Analysis and Countermeasures Center
Broad Agency Announcement
Proposal Deadline: September 30, 2007
<http://www.usamraa.army.mil/pages/index.cfm>

U.S. Department of Agriculture
Agricultural Marketing Service
Specialty Crop Block Grant Program
Proposal Deadline: October 11, 2007
<http://www.ams.usda.gov/fv/scbgrp.html>

National Institutes of Health
Institutional Clinical and Translational Science Award (U54)
Letter of Intent due: September 24, 2007
Proposal Deadline: October 24, 2007
<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-07-007.html>

U.S. Department of Agriculture
Western Regional Sustainable Agriculture Research and
Education
Professional Development Grants
Proposal Deadline: November 1, 2007
http://wsare.usu.edu/grants/docs/req_pd_08.pdf

U.S. Department of Agriculture
Western Regional Sustainable Agriculture Research and
Education
Professional + Producer Grants
Proposal Deadline: December 7, 2007
http://wsare.usu.edu/grants/docs/req_pp_08.pdf

U.S. Department of Agriculture
Western Regional Sustainable Agriculture Research and
Education
Farmer-Rancher Grants
Proposal Deadline: December 7, 2007
http://wsare.usu.edu/grants/docs/req_fr_08.pdf

CTAHR faculty strike funding gold!

By Doug Vincent
Special Program Director for Grants and Contracts

Releases of carry over funds from USDA Agricultural Research Service are two of the grants received since the last issue of *CTAHR Research News*. The funding we receive from USDA ARS comes to CTAHR via 5-year Specific Cooperative Agreements. When one agreement ends, a new one must be written to take its place. Unspent funds from a previous agreement are held until the new one is enacted. Normally, the carry over funding is returned soon after the new agreements are approved and in place. However, in these two cases, the agreements ended in September, 2005 and the unspent funds have just been restored to CTAHR and added to the new Specific Cooperative Agreements. ARS is under no obligation to return unspent funds to us, so if you receive funding from these sources, it is wise to spend down these funds before agreements end. These two awards contributed to the 9 extramural grants and contracts received since we last published *CRN*. The \$704,383 received this past period adds to our FY 2007 total of \$20,734,856. We have exceeded last year's total by nearly \$1 million dollars and there are still over 2 months of funding that can still come in. CTAHR has had a good year in total grant funding but remember that we had 3 very large grants come in this year, each exceeding \$1 million dollars. If you factor out those grants, we're actually behind last year's total. The loss of TSTAR and other earmark funding will be reflected in the next state fiscal year, so next year's grant numbers will be dismal unless we all get busy. Note that your colleagues have done so and have sought out and received new grant funding. I encourage you to look for some funding opportunities, listed elsewhere in *CRN* and go after some new funding. Congratulations to those that have received funding to support their programs.

Anne M. Alvarez (PEPS)
Ralstonia Solanacearum Race 3 biovar 2: Detection, Exclusion, and Analysis of a Select Agent Pathogen.
Univ of Wisconsin- Madison (\$131,408)

Jon-Paul Bingham (MBBE)
Development of Isoform Specific Sensory Neuronal Sodium Channel Blockers
Indiana University (\$62,606)

Cerruti R. R. Hooks (PEPS)
Management of Banana Bunchy Top in Hawaii - Western Regional Sustainable Agriculture Research and Education (WSARE) Professional Development Program.
Utah State University (\$30,674)

Richard M. Manshardt (TPSS)
Characterization of East African Apple AAB/AB and 'Muraru' AA Groups of Banana Accessions Fellowship M. Onyango.
Univ of California- Davis (\$19,900)

Tomoaki Miura (NREM)
Multi-Sensor Translation of EOS Reflectance and Vegetation Index Products for Long Term Continuity with AVHRR.
Nat'l Aeronautics & Space Administration (\$75,156)

Daniel Rubinoff (PEPS)
Phylogeography, Conservation and Evolution of Northwest Hawaiian Islands Case-Bearing Moths (*Hyposmocoma: Cosmopteridgidae*).
Nat'l Geographic Society (\$20,060)

Douglas L. Vincent (Admin)
Hawaii Pineapple Improvement
Dept of Agriculture (\$117,866)

Douglas L. Vincent (Admin)
Protecting Papaya from Pests and Diseases
Dept of Agriculture (\$216,713)

Ping-Yi Yang (MBBE)
A Pilot Monitoring for On-Site PCB Removal from Waste Oil
Dawson Group, Inc (\$30,000)

Travelogue: CTAHR hosts visiting experiment station directors

By Doug Vincent
Special Program Director for Grants and Contracts

Like See Big Island Agriculture?

The joint meeting of the Western Association of Agricultural Experiment Station Directors and the North Central Regional Association of Agriculture Experiment Station Directors said *yes* to that question. As part of the meeting, a field trip to a variety of Hawaii island agricultural enterprises was organized. The itinerary had us leaving the hotel by bus at exactly 7:00 am, stopping at the Mealani Experiment Station in Waimea to pick up our tour “guides” Randy Hamasaki and Dwight Sato, and heading for our first farm visit, Hamakua Springs Country Farms. Richard Ha and his family grow bananas and hydroponic tomatoes and vegetables using the Mauna Kea Banana and Hamakua Springs labels.



Foliage plants at California Hawaii Foliage Growers in Kee’au, HI.

Next stop was Greenpoint Nurseries in Kurtistown, HI. Eric Tanouye of Greenpoint explain their anthurium and other tropical plants operation to our visitors from the mainland.



Greenpoint Nurseries’ Eric Tanouye explaining his operation while Dean Andy and Merle Hashimoto watch.



Richard Ha (under the yellow triangle) explains his banana processing operation to WAASED and NCRA visitors.

California – Hawaii Foliage Growers in Kee’au was the next stop on the tour. There we learned about the export tropical foliage business. Acres of foliage plants under shade cloth was an unusual sight for midwestern experiment station directors.



Large anthurium flowers grown for cut flowers at Greenpoint Nurseries.

We retraced our tracks, returning to the Mealani Station, where our visitors learned about the grass-fed beef, protea, blueberry and tea projects.



CTAHR's Range Specialist Mark Thorne explaining beef and forage projects at Mealani.



Randy Hamasaki describing the Mealani blueberry project.



Dwight Sato in the tea garden, helping our visitors understand the challenges of growing tea.



Milton Yamasaki, far left, explains tea processing, while others line up for a tea sample.

The final stop on the tour was Monty Richard's Kahua Ranch where we spent an "Evening at Kahua Ranch." There we learned about the ranch, had excellent food and drink, and relaxed after a long day of riding buses.



John Richards tells the story of Kahua Ranch and of life as a paniolo on the Big Island.

End notes . . .



Honolulu - Goro Uehara, above right, briefs the **CTAHR Board of Advisors** on college bioenergy initiatives at the April 12, 2007 meeting of the CTAHR Board of Advisors. Board of Advisors meet twice a year to provide guidance and input for our college. Meet our advisors here: <http://www.ctahr.hawaii.edu/ctahr2001/AboutUs/BoardOfAdvisors.html>



Honolulu - Ranjani Ranjan from the Department of Health briefs extension specialist and agents on Pandemic Influenza at the April 12-13, **2007 CTAHR Extension Conference** "Emergency Preparedness and the Role of Extension."



Honolulu - Dr. PingSun Leung (right) receives CTAHR's 2007 Excellence in Research Award at the **Centennial Homecoming and Awards Banquet** from Dean Andy Hashimoto (left), April 12, 2007 at the Hilton Hawaiian Village.



Dean Hashimoto talks termites with Outstanding Alumnus Dr. Nan-Yao Su and Jill Su.



Dr. Marlene Hapai, UH Regent, with Dean Hashimoto, Associate Dean Hu. Dr. Hapai is a CTAHR alumnus, classmate of Dr. Nan-Yao Su, and a former CTAHR associate dean.



Ka Lei Hano Heritage Awardee Mr. Dean Okimoto (Nalo Farms) sharing stories with Master of Ceremony, Mr. Derek Kurisu (KTA Supermarkets). Both are members of the CTAHR Board of Advisors.



Dr. Byron and Lois Bender (right), UH Regent and UH President Dr. and Mrs. David and Wendie McClain.



Dr. Ramon de la Pena, UH Regent and an emeritus CTAHR faculty was greeted by UHM interim Chancellor, Dr. Denise Konan, Dean Hashimoto, and Dr. Jim Brewbaker (TPSS faculty) and Ms. Nora Quebral (fiancée of Dr. B) .