



PHOTO BY JESSICA TOMMASELLI

Dana Sarubbi, left, a freshman exploratory major, and her sister Lisa Sarubbi, a senior environmental engineering major, study together in Bookworms Cafe in Homer Babbidge Library.

Governor's budget reflects dire economy

BY RICHARD VEILLEUX

Budget recommendations announced Feb. 4 by Gov. M. Jodi Rell, if approved by the General Assembly, could cause a potential shortfall in state support for the Storrs-based programs of more than \$55 million over the next biennium.

The governor's recommendations, says Chief Financial Officer Richard Gray, equate to a 9.2 percent reduction in state support needed to maintain currently provided services in the 2010 fiscal year, and 13.1 percent in fiscal year 2011.

The governor's recommendation for the UConn Health Center – one of the few agencies to realize a budget increase in the governor's recommendation – still falls \$6.6 million and \$12 million short of the funding levels needed to maintain current services in the next two years.

The governor's budget recommendations "reflect the extremely severe economic conditions which pervade our nation and our state," said University President Michael Hogan in an e-mail to the University community. "But we also are compelled to meet the needs of our students, patients,

see Governor's budget page 8

CASE endorses hospital proposal in report to General Assembly

BY CAROLYN PENNINGTON

In a report to the General Assembly, the Connecticut Academy of Science and Engineering (CASE) has recommended that the General Assembly approve the clinical partnership being proposed by the UConn Health Center and Hartford Healthcare Corp., the parent company of Hartford Hospital.

During a Feb. 3 presentation at the Capitol to members of the legislature's higher education, appropriations, finance, and public health committees, CASE representatives also recommended that the state authorize the construction of a replacement hospital on the Farmington campus.

"It's clear that Connecticut is at a cross-

roads," says Dr. Myron Genel, chairman of the CASE study committee that prepared the report. "We can maintain the status quo or look to the future by supporting this proposed partnership and replacement hospital."

The partnership would form a new corporation called University Hospital Inc.

One hospital, two campuses

University President Michael Hogan told legislators during the hearing, "The partnership would create one university hospital that would have two campuses in Hartford and Farmington. With a combined total of 1,100 beds, it would create the clinical engine needed for us to achieve a top-tier

see Hospital proposal page 2

Winter Commencement to be discontinued

BY RICHARD VEILLEUX

Citing high costs and unpredictable weather, President Michael Hogan has announced that the University will no longer offer winter commencement exercises.

"Our primary reason for this change is to reduce the University's commencement expenses," Hogan said in an e-mail to the community. "We can achieve savings in several areas by not holding a December ceremony. These include the considerable staff support – much of it overtime – necessary for a December commencement ceremony, the facilities expenses, program printing, and other associated costs."

Hogan also cited unstable winter weather as a reason for dropping the ceremony, which was first held in 2003 in a light snow.

Four years later, when a snow and ice storm created hazardous conditions along the East Coast, the ceremony was canceled in deference to travel conditions faced by graduates' families.

Winter commencement was intended to ease pressure on the traditional May ceremony, as the number of graduates outgrew Gampel Pavilion. It also was hoped that more students who finished their studies in August and December would attend the ceremony, since few mid-term graduates were returning in May for commencement.

But when UConn's schools and colleges began holding individual ceremonies last year, the May commencement became less crowded. The College of Liberal Arts and

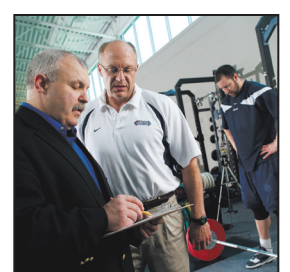
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PHOTO BY PETER MORENUS

Thomas Bontly, left, associate professor of philosophy and AAUP president, Denise Merrill, state House Majority Leader, Christopher Donovan, Speaker of the House, and Kevin Fahey, senior associate director of student activities and UCPEA president, at the UCPEA Legislative Luncheon held in conjunction with AAUP and AFSCME at the Student Union Ballroom Feb. 2.

Hospital proposal *continued from page 1*

status for our medical and dental schools, and build capacity for substantial economic development in biomedical technologies.”

The medical staff of University Hospital would consist of UConn School of Medicine faculty and Hartford Hospital full-time employed and voluntary physicians.

The partnership would also form a new faculty practice plan called University Physicians Inc. It would consist of two members – University Hospital Inc. and the UConn School of Medicine. This practice plan would combine the practices of the full-time employed clinical faculty at the Health Center and Hartford Hospital. New faculty hires would be dually employed by University Physicians Inc. for clinical purposes and by the School of Medicine for academic purposes. Current UConn School of Medicine faculty may remain exclusively employed by the School of Medicine.

Employee matters

During the hearing, Hogan told legislators that the most important and difficult decisions involved employee matters. Current non-unionized staff managers may remain state employees or choose to be employed directly by University Hospital. Newly hired non-unionized staff managers would be employed by the non-profit University Hospital. Current unionized staff supervisors and professional employees (UHP bargaining unit) would remain state employees, as would new hires within those categories. Current and new hires in other unions, including 1199, AFSCME, and CEUI, would remain state employees.

UConn and Hartford Healthcare Corp. would have cross-representation on governing boards. University Physicians Inc. would have its own board of directors.

Funding responsibilities

The financial risk for the operations of University Hospital and University Physicians would fall under Hartford Healthcare Corp., which means the state would no longer be responsible for the unpredictability of John Dempsey Hospital’s financial performance. Hartford Healthcare Corp. would also be responsible for other major funding commitments, including a new downtown patient care tower, academic support, funding for growth of clinical faculty, and biomedical technology investments. Over a 10-year period, the proposed Hartford Healthcare Corp. funding commitment would total between \$425 million and \$565 million.

The state would still be responsible for continued funding of the Health Center and the Schools of Medicine and Dental Medicine, the state employee fringe benefit differential, and a replacement hospital. Over a 10-year period, that would total nearly \$605 million. Most of that, \$475 million, would be for the replacement hospital and that funding would be needed incrementally, with the largest financial payout for actual construction costs several years down the road.

During his concluding remarks, Genel noted that failure to act would jeopardize the status and research capacity of UConn’s medical and dental schools and also continue the operation of an inefficient, obsolete John Dempsey Hospital or assure its eventual closure.

The original CASE report presented to the legislature last March was prepared at the direction of the General Assembly and in response to UConn’s proposal to replace the aging John Dempsey Hospital with a new, 352-bed

hospital. The report concluded that Dempsey Hospital is outdated and too small, and the cost to revitalize the current facility as a hospital cannot be justified. In response, UConn issued a Solicitation of Interest, which began a process of discussions with area hospitals. Hartford Healthcare Corp. and Hospital of Central Connecticut submitted the only comprehensive response to the Solicitation of Interest.

Hogan said he hoped the legislature would approve the proposal and authorize the bonding necessary for the construction of a replacement hospital during the current legislative session. Construction of the new hospital is expected to take six years.

Regional collaboration

Dr. Cato Laurencin, vice president for health affairs and dean of the School of Medicine, told legislators that efforts are underway with the other regional hospitals to develop the Connecticut Health Education and Research Collaborative. Participating hospitals would include Bristol Hospital, Connecticut Children’s Medical Center, St. Francis Hospital, Hospital of Central Connecticut, Hartford Hospital, and the Health Center.

The collaboration is designed to enhance the education and research missions of all participating partners. Laurencin says it would improve clinical care and patient safety, and help the Schools of Medicine and Dental Medicine achieve “top-tier” status.

Laurencin also outlined a proposed affiliation with Connecticut Children’s Medical Center that would turn the management and operation of the Health Center’s neonatal intensive care unit over to the Connecticut Children’s Medical Center.

UConn joins iTunes U

BY SHERRY FISHER

Students at UConn may soon tune into their iPods for more than just music: They might be listening to a course lecture or watching a lab demonstration.

Thanks to an agreement with the State and Apple, the University will be able to produce free audio and video podcasts of lectures, workshops, PowerPoint presentations, performances and more, and post them for easy access. The free technology will be offered through what is called iTunes U, accessed online through the iTunes Store.

Keith Barker, associate vice provost and director of the Institute for Teaching and Learning, says the podcasts will be easy for students to find, and can be downloaded to their computers and iPods. “Faculty can provide supplemental course materials for their students that can be accessed whenever or wherever they are.”

The Institute will provide training for faculty.

The UConn iTunes U will have a restricted-access section with content for the University community, and an unrestricted section for public access.

The partnership offers the University a platform to showcase its faculty, students, and research to the rest of the world, Barker says: “The public iTunes U section can be a tool to raise UConn’s visibility. We can post promotional material, including speeches from Commencement, and other important speakers. It will supplement what we already have on the web site.” The University will have control of what is available to the public.

Gary Hendrickson, director of technology in the Neag School of

Education, says the new podcasting agreement is “an opportunity to provide content to our students through a contemporary method that they’re all comfortable and familiar with. Ipods, iPhones, and other electronic gadgets are already a big part of their lives. Now they’ll be able to download audio and visual course content at their convenience.”

Content can be download to PCs, Macs, or other MP3 devices.

Students may subscribe to a professor’s class and automatically receive podcasts when they log into iTunes U.

A professor’s involvement may be as simple as making an audio recording of all class lectures, but it can make a big difference to a student.

“If a student misses a class, he or she can listen to it anywhere at any time,” Hendrickson says. “Some students, even if they came to class, might want to download a particular lecture to help prepare for a midterm or final. It helps different kinds of learners.”

Once the user has downloaded content, it may be kept in his or her iTunes library.

Hendrickson says the new system will make demonstrations – such as those presented in physical therapy courses – more accessible to students. In the past, certain demonstrations had to be videotaped and students had to get to a lab to watch them. Podcasts retrieved from iTunes U will allow students to view them at their leisure, without leaving their rooms.

UConn is currently creating its iTunes U site, which is expected to be up and running in a few months.

Winter Commencement *continued from page 1*

Sciences continues to host a large cohort, but is able to use Gampel Pavilion by holding dual ceremonies.

The May 2009 commencement schedule is available at <http://www commencement.uconn.edu/may/>

Hogan also has asked the University Senate to consider changing the academic calendar, moving the

ceremony later in the year. One of the advantages would be to allow for a reading day for students prior to final exams.

During the past few years, about 800 students have completed their studies in August or December. All mid-term graduates will continue to be invited to the May commencement.

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Advance
Elizabeth Omara-Otunnu
Editor

Contributing Writers	Sherry Fisher, Michael Kirk, Colin Poitras, Mark J. Roy, Richard Veilleux
Health Center Writers	Chris DeFrancesco, Kristina Goodnough, Maureen McGuire, Carolyn Pennington
Designer	Betsy J. Surprenant
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Student Photographers	Frank Dahlmeyer, Jessica Tommaselli
Manager, Media Communications	Karen A. Grava, APR
Manager, Media Relations.....	David Bauman
Proof Reader.....	Sheila Foran

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President announces program to boost fund-raising for scholarships

BY KAREN A. GRAVA

President Michael Hogan has announced a new President’s Challenge program to raise \$100 million in private funding for scholarships and graduate fellowships at UConn.

As an incentive to donors to participate in the program, Hogan said, the University will use \$50 million in existing scholarship funds to provide a match for funds given to the UConn Foundation by contributors.

The program has already attracted two major donors: a parent and an alumnus.

The parent, Margaret Keane of Ridgefield, is the chief executive officer of GE Retail Consumer Finance. GE has provided her with a performance award that allows her to make a gift of \$15,000 to a charity of her choice. She is also making a personal gift of \$10,000 to be matched by \$10,000 from the GE Foundation. This will create a \$35,000 endowed scholarship. Keane is the mother of Brian Hajdarovic, a UConn sophomore studying communications science.

“My son and I have been talking a lot about how students at UConn are really struggling financially in these very difficult times,” says Keane. “I have always been a strong believer in public higher education. So when GE gave me an award that has a side benefit of providing money from the GE Foundation to a charity of my choosing, coupled with my personal donation to UConn, it was a simple decision to make.

“The President’s Challenge match provides an even greater incentive to give now,” Keane adds, “because of the additional dollars that will be available to help deserving students complete their college studies.”

The alumnus, Doug Donaldson

of Manchester, Class of 1973, is vice president of Subway Development Corp. of New England. He has given \$35,000 to the program.

“The matching funds from the University were the deciding factor in our decision,” says Donaldson, a member of the School of Nursing’s Advisory Board, who, with his wife, Lynn, gave the gift for nursing scholarships.

“Nursing students graduate with the highest debt load of any undergraduate major at UConn,” Donaldson says. “With the President’s Challenge available to make our money go further, we felt now was the best time to make a gift that helps the School of Nursing, and may begin to address Connecticut’s growing shortage of nurses.”

Hogan says he is pleased to work with the UConn Foundation to put this new scholarship and fellowship fund into place, just as the need for financial aid is increasing.

“Students and their families, like everyone else, are being hit hard by the current economic challenges,” he says. “Given the important role of higher education in catalyzing economic development, we need to seek ways to protect access to UConn.”

Hogan says the donors’ generosity is appreciated.

“The gifts from both Doug and Margaret will make a real difference in the lives of several students,” he says. “And the generous match from General Electric for Margaret’s gift takes her generosity a major step further and demonstrates that UConn, private donors, and corporate philanthropy can all work together as partners to advance the interests of the UConn students in these most challenging times.”

The President’s Challenge Fund will use existing University scholarship funds to match dollar

for dollar the spending allocation of all newly established scholarship and fellowship endowments generated by private funds over the next four years.

An endowment is a permanent fund that preserves principal and uses a portion of earnings to annually support the scholarship.

The President’s Challenge Fund also matches contributions for non-endowed scholarship or fellowship funds with 50 cents for every dollar given. To qualify for the program, endowed gifts must be at least \$25,000, and non-endowed gifts must be at least \$10,000.

Robert McCarthy, dean of the School of Pharmacy, says, “The President’s Challenge demonstrates to prospective donors, alumni, and other friends that the University stands ready to partner with them by matching private donations that enable us to fulfill our academic mission. The University can’t meet its mission without private support. When that support is matched by an investment on our part, we are able to make a significant commitment to assisting our students.”

The cost of attending UConn for an in-state residential undergraduate is \$18,638 annually for tuition, fees, room, and board. The cost of graduate education at UConn is \$19,500.

M. Dolan Evanovich, vice president for enrollment planning, management, and institutional research, says, “With the demand for financial aid exceeding the supply of available support, and with challenging economic times looming, the need for private sources of student support will continue to grow. It is critically important to maintain strong university scholarship and fellowship opportunities, and that is the impetus for this program.”

Workflow project saves time, increases efficiency



PHOTO BY JESSICA TOMMASELLI

Glen O'Keefe, University bursar, at his office in Wilbur Cross Building.

BY RICHARD VEILLEUX

A project that began as an experiment in the controller’s office in 2003 – switching to electronic timecards – has led to the creation of more than a dozen other electronic programs that save time, money, and errors, while simultaneously increasing accountability and efficiency.

The workflow project takes labor-intensive, paper-based duties and puts them into an online system designed to move the job automatically from one worker to the next in a logical order, based on organizational charts and on who is authorized to perform which role. Like the timecard project, it increases speed and efficiency.

So far, workflow technology has changed the way nine processes work, including four in the bursar’s office. Also completed are projects to streamline budget submissions, requests for a dependent tuition waiver, and online transfer vouchers. Four other projects are in the works, and another five – so far – are in the planning stage.

“Somebody along the line realized that using a web-based e-mail type system, we could move processes along like a train, moving from station to station,” says Glen O’Keefe, University bursar, associate comptroller, and lead designer of the system for the finance division. He says the system can be initiated by a staff person or a student, depending on the task.

“It’s all about speed and awareness,” O’Keefe says. “Before, once you put something in a pink envelope, who knew where it went? Maybe it fell behind the desk, or under somebody’s chair.

“With workflow, everybody always knows exactly where it is,” he adds. “And it makes people more accountable if they are at all averse to embarrassment, because everybody who is in the loop for a particular job can see where the holdup is if things slow down.”

That feature also makes the system more efficient, because staff don’t have to waste time calling several people to find out where or why a certain job has been delayed. Instead, they can see where the job

is on their computer monitor.

O’Keefe’s office was the most recent beneficiary of the system, when several projects went online, allowing him to reassign two staff members. One of them was installed as a supervisor at the call center, a center that didn’t exist before workflow. Now, the hundreds of calls the office receives weekly go through the call center rather than directly to the main office, allowing staff to focus on their primary jobs rather than answering phones all day.

“It’s quite different from the old days, when there would be lines of students standing around waiting for service,” O’Keefe says. “Now you rarely see lines of any length at the bursar’s windows.”

O’Keefe says UConn is one of only a handful of schools in the nation making the transition to workflow systems. He is in the process of upgrading the software from Lotus Domino to a Kuali Enterprise Workflow system. The new system is open source software, eliminating an expense and easing fears about support in Domino in the future.

Meanwhile, programmers in the finance division and UITs are developing the Workflow Access Management program. This program sets up hierarchical flow charts that direct the process from one person to the next, in the proper order for approvals – or denials.

O’Keefe says this is the key to getting other systems to work well.

Currently, staff from several University departments are evaluating the Kuali Financial System, from which the Kuali Enterprise Workflow software originates. A workflow task force is also looking for more work, seeking suggestions from offices on campus.

“Workflow offers a lot of exciting possibilities for reengineering how we do business, and not just on this side of the enterprise,” O’Keefe says. “A department head or dean might not know what workflow is, but if they see it, they’re going to say ‘Ah, I know how I can use it on the academic side.’”

Beds to be added to on-campus housing

BY RICHARD VEILLEUX

Residential life officials have announced a plan to add more than 400 new on-campus beds for students, in response to increasing demand.

The plan involves turning single efficiency apartments into doubles, and some doubles into quads. The 800 students who take the newly configured apartments will save about \$4,000 per year compared with current rates.

The arrangement also will allow the University to discontinue a lottery that for the past eight years has been used to allocate space in on-campus housing. The lottery has been unpopular with students.

“UConn students want to live on campus,” says Steven Kremer, director of the Department of Residential Life, “but they dread the lottery. This will help us alleviate that concern.”

The apartments being converted are located in the Hilltop and Charter Oak apartment complexes, where some of the best and largest apartments on campus exist, and in the Northwood apartment complex just off campus on North Eagleville Road.

“Even after adding a student to the apartments, the square footage per resident will remain above average compared with other residence halls on campus,” Kremer says. “We expect strong student demand for these apartments.”

Residential life staff are working one-on-one with the students who currently live in one of the apartments scheduled for conversion and are eligible to return. They will have a choice of staying in the converted residence at the lower rate and choosing a new roommate, or moving into single rooms elsewhere on campus.

With the addition of the 400 beds, UConn will become fourth in the nation in terms of the total number of students housed on campus. It continues to house the largest percentage of enrolled students in on-campus housing among public universities in the nation.

When the plan takes effect in August, UConn will have 12,371 beds available for an anticipated enrollment of about 16,000 undergraduates on the Storrs campus. Those not housed on campus may choose either to live in off-campus housing in the Storrs area or to commute from further away.

The Department of Residential Life also has simplified the housing rate structure, consolidating 17 different rental rates into five.

Nutritional scientist studies impact of green tea on liver disease



PHOTO BY FRANK DAHLMMEYER

Nutritional scientist Richard Bruno works with green tea in his lab in the Jones Building.

BY ELIZABETH OMARA-OTUNNU

A study led by nutritional scientist Richard Bruno has found that green tea can help mitigate the impact of nonalcoholic fatty liver disease.

Bruno, an assistant professor of nutritional sciences in the College of Agriculture and Natural Resources, and his research team have found that the daily ingestion of green tea blocks the amount of fat stored in the livers of obese mice that otherwise develop severe fatty liver disease; improves liver function; and reverses declines in antioxidant defenses in the liver.

The researchers found these beneficial effects when genetically obese mice were fed green

tea extract for six weeks at doses equivalent to about three to seven cups of liquid green tea per day for humans.

Bruno says that although green tea had previously been found to have benefits for those with heart disease, and lowers cholesterol and triglycerides – risk factors in both heart and fatty liver disease, prior to his study “no one knew whether green tea could protect the liver against fatty liver disease.”

He describes nonalcoholic fatty liver disease as “a silent but potentially deadly disease.”

Two-thirds of Americans are currently overweight or obese, and the incidence of nonalcoholic fatty liver disease – which is very

common in people who are obese or diabetic – has risen in parallel with the rates of obesity. “About 40 million people in the U.S. are estimated to have fatty liver disease,” he says, “and unless the obesity epidemic that’s underway is corrected, or we develop new dietary strategies, we should expect the incidence of this disease to increase dramatically.”

Obesity often causes insulin resistance, which results in the alteration of the body’s fat metabolism and leads to excess storage of fat in the liver. The fat-engorged liver increases in size – possibly up to two or three times its normal size – resulting in liver injury or abnormally high liver function

tests. Eventually this may lead to liver failure or death.

“Nonalcoholic fatty liver disease is quite serious,” says Bruno, “yet there are currently no pharmacological therapies for it, only recommendations to lose weight and exercise more.”

Bruno and his team are looking at green tea and other dietary antioxidants that may mitigate the processes underlying the disease.

USDA grant

Their research, which has been underway for nearly four years, is currently funded by a two-year, \$458,000 grant from the U.S. Department of Agriculture.

The initial study, which was featured on the cover of the *Journal of Nutrition* in February 2008, showed clearly that green tea reduces fat accumulation in the liver and protects against liver injury, says Bruno. The USDA award is to support research into the mechanisms by which green tea protects against fatty liver disease, and how a reduction in liver fat content improves liver function.

Possible avenues the team is exploring are whether green tea interferes with fat absorption, whether it enhances the rate at which fat is used for energy by the liver, and whether it blocks fat synthesis in the liver.

“There are data to support all three,” says Bruno. “Possibly it affects all of these systems simultaneously.”

He says that although the beneficial impact of green tea is clear from the mouse model, it may not be possible to carry out a human trial, because that would require taking multiple liver biopsies from healthy people as well as those with liver disease, raising ethical issues.

Bruno says green tea is different from other types of tea, even

though they come from the same plant. When it is harvested, the leaves are immediately steamed and withered, and this preserves certain compounds known as catechins that are thought to exert beneficial effects on human health. In the processing of oolong and black tea, however, these compounds are largely destroyed.

Future research questions

In future research, he hopes to discover whether the catechins are indeed the part of green tea that is effective, and to analyze each of the four major catechins it contains.

For now, he is focusing on a whole food approach. “My philosophy is that food is a complex matrix,” he says, “and if one compound has an effect, it likely has synergistic effects in the presence of other bioactive food components.”

Bruno, a registered dietitian, says he would recommend green tea as part of a weight loss program, but its effects are limited. “Green tea could be a critical component of a lifestyle change, but it is not a magic bullet,” he says. “The number one recommendation for losing weight is to exercise, and work with a dietitian to develop a structured program to modify your lifestyle.”

He says he does not recommend taking green tea supplements, since these probably contain only one of the catechins found in green tea.

UConn collaborators include co-investigators Sun Koo, professor and head of nutritional sciences; Joan Smyth, an associate professor of pathobiology; post doctoral fellow Hea Jin Park; doctoral student Min-Yu Chung; and master’s student Dana Dinatale. Ji-Young Lee, a molecular biologist at the University of Nebraska-Lincoln, is also a co-investigator.

Radiologist’s work helps museums uncover paintings’ secrets

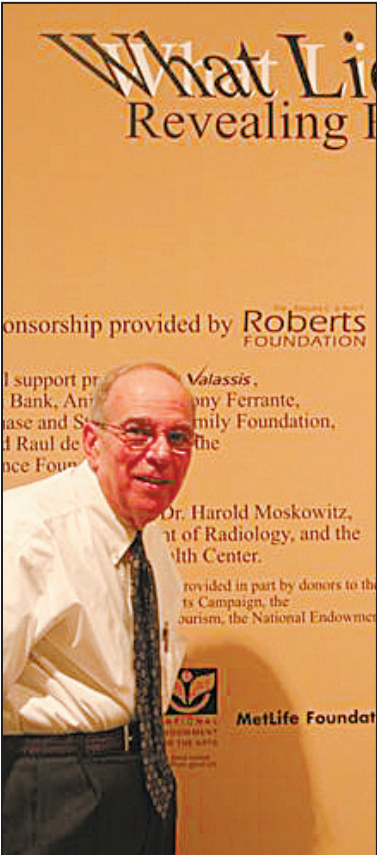


PHOTO SUPPLIED BY THE UCONN HEALTH CENTER

Dr. Harold Moskowitz, radiologist.

BY KRISTINA GOODNOUGH

It’s unlikely the brooding stare in van Gogh’s “Self-Portrait” reflects a premonition of nasty rumors that would circulate about the work nearly a century after his death.

More likely, the artist was simply experimenting with expression and technique.

Luckily for the Wadsworth Atheneum, which owns the painting, the staring face covers a shadowy figure of a woman museum officials believe van Gogh painted on the canvas before he used it for his self-portrait. The similarity of that figure to peasants and country scenes painted by van Gogh between 1882 and 1885 in Nuenen, the Netherlands, helps squelch charges of forgery that were leveled against the painting in the late 1980’s.

The figure was uncovered with an X-ray 20 years ago by Health Center radiologist Dr. Harold Moskowitz, when he was director of radiology at Mount Sinai

Hospital in Hartford. The painting is now part of an exhibition at the Atheneum, *What Lies Beneath: Revealing Painters’ Secrets*, that displays what the Atheneum calls a fairly common phenomenon: under-images of paintings.

Moskowitz says the opportunity to take an X-ray of the painting came along by chance: “I met the museum’s chief conservator, Stephen Kornhauser, at a gathering, and he said the museum could use my help. He wanted me to X-ray the painting because of charges by a famous art critic that it was a forgery.”

The painting was brought to the hospital, where it was carefully X-rayed. When the film was hung on the view box, Moskowitz says, “at first we didn’t know what we were looking at. Then we turned it around and there was a rush of excitement as museum experts recognized the Nuenen figure.”

The under-image helped authenticate the painting, says Moskowitz. That was important



An X-ray of van Gogh’s ‘Self-Portrait’ reveals a prior painting behind it.

for the museum, since the painting is a special part of the Atheneum’s holdings. Since then, he has helped the Atheneum and other museums examine other pictures, generally using X-ray equipment owned by the museums for the purpose.

X-rays penetrate objects de-

pending on the energy level of the X-ray beam. The image created on a piece of film depends on the density of the material, as well as the atomic number of the structures involved, says Moskowitz. Material with a high atomic number, or a high density, absorbs more of the X-ray beam, which will show on the film as a white area. Structures with less density, or a lower atomic number, permit more of the X-rays to strike the film, producing an area that is black.

“Because of its unique characteristics, X-ray can differentiate the different elements of a painting from support, canvas, paint, and varnish,” says Moskowitz. “A radiogram will reveal not only how a picture was built, but also whether its dimensions have been tampered with. It provides information that can be very helpful to conservators and restorers.”

The exhibition is on display at the Atheneum through the end of March.

New Neag institute to advance urban education reform

BY ROBERT A. FRAHM

The Neag School of Education's new Institute for Urban School Improvement received the formal endorsement of UConn's Board of Trustees recently, the latest step in the University's effort to become a national model for school reform.

The institute places UConn among a select group of universities making urban education a key part of their mission, says University President Michael Hogan.

UConn's intensified focus on urban education is consistent with its new Academic Plan, which serves as the University's guide for becoming one of the top 20 public universities in the nation and cites the importance of partnering to improve K-12 education.

The poor academic performance of many of America's urban schools "is a huge issue," Hogan says.

The creation of the institute signals an aggressive agenda "not only to advance urban school education reform but also to advance the research mission of Neag," he says. "It's such an important step for us."

Collaborative research

The institute grew out of a task force on urban education formed more than a year ago by Richard Schwab, dean of the Neag School of Education.

"Education schools at major universities have conducted research with limited collaboration with public schools, but we're changing that," Schwab says.

The institute serves as the vehicle for conducting research hand-in-hand with urban schools on practices that directly affect student achievement and then, Schwab adds. "We'll share our findings and best practices with

schools in Connecticut and across the nation."

One of the institute's key elements is the newly created CommPACT Schools project, supported by the state legislature and developed by an unusual alliance of state teacher unions and school administrators' organizations.

CommPACT is a five-year plan to redesign eight schools in Connecticut's largest urban school districts, attempting to stem a pattern of chronic low achievement that finds many low-income and minority schoolchildren lagging far behind their peers. That achievement gap is one of the nation's most perplexing educational problems.

"The urban achievement gap in Connecticut is as large as it is

anywhere in the United States," says Richard Lemons, assistant professor of educational leadership and director of the institute.

Students who fail academically are at risk of a host of other problems, he says. "They show up in mental health institutions, they receive social services more often, they are incarcerated more," Lemons says. "If we want to have a positive impact and invest in the future of the state, we have to invest in one of the most precious commodities we have – human capital."

Boosting school reform

The institute is the home for two other major school reform organizations: Accelerated Schools and ATLAS Learning Communities. ATLAS, with a 17-year track

record that includes promising results in places such as New York City and Detroit, recently moved its headquarters to UConn from Cambridge, Mass.

Accelerated Schools has been based at the Neag School for the past nine years.

Like the ATLAS and Accelerated Schools reform models, CommPACT focuses on strengthening schools from within by promoting collaboration among teachers, principals, parents, unions, local civic leaders, and others.

The focus on urban education, including direct involvement with the eight CommPACT schools, is in keeping with UConn's land grant mission to reach out into the community, Lemons says.

"Urban education is so en-

twined with other issues we have facing our state," he says. "The vast majority of our students go to schools in these metropolitan areas."

Across the nation, public schools have sought new ways to address the achievement gap, especially since the creation in 2002 of the No Child Left Behind Act.

UConn joins a growing number of colleges and universities forging partnerships with urban public schools, says Michael Casserly, executive director of the Council of the Great City Schools, a nonprofit organization representing the nation's largest school districts.

"These partnerships look very different from place to place, but they are much stronger than they used to be," he says. "Where you see good ones, they can be enormously helpful to the schools and the universities."

The schools benefit from "the expertise the universities have and from an outside objective perspective," he adds. "On the university side, what they're getting is a grounding, a connection with the real world that textbooks at the university can't provide."

Support for the urban institute is coming from both the public and private sectors. In addition to a \$480,000 appropriation from the state legislature to establish the first round of CommPACT schools, the institute has received \$250,000 from The NEA Foundation to support research and \$55,000 in grants from the Fairfield County Community Foundation, JPMorgan Chase, and the Near & Far Aid Association to support the institute's efforts at Bridgeport's two CommPACT schools.



PHOTO BY JANICE PALMER

Richard Lemons, assistant professor of educational leadership and director of the Institute for Urban School Improvement, conducts a leadership training session for school superintendents.

Pharmacy faculty to develop medication information database

BY COLIN POITRAS

The School of Pharmacy has received a \$781,000 grant to build an electronic medication information exchange for the state that proponents hope will be a major step forward in improving the delivery of health care in Connecticut.

Pharmacy faculty, the Connecticut Pharmacists Association, and a newly-created network of Connecticut pharmacists will use the funds to develop comprehensive medication profiles for 1,000 Connecticut Medicaid patients, and medication therapy management and adherence pilot programs for 200 Medicaid patients.

The database will contain all of a patient's pharmacy insurance claims, their medication prescription record, their lab test data and notes about potential medication allergies, over-the-counter medications, herbal supplements, and their past medication adherence rates. This electronic health information will then be available to any licensed health care professional seeing the patient at a hospital, emergency room, clinic,

pharmacy, or other health care location.

The pilot program was funded to determine how well pharmacist-led medication management and adherence programs would work in Connecticut and how pharmacists can assist the state in developing a comprehensive electronic health and medication information exchange database.

The overall goal of the pilot is to improve patient health and quality of care for Medicaid patients, as well as reduce overall health care costs, says Professor Marie Smith, head of the Department of Pharmacy Practice.

"The ability to have timely, comprehensive, and accurate information about a patient's medications through the creation of an electronic medication information exchange is vital to the delivery of health care," says Smith, principal investigator for the project. "Here at the School of Pharmacy, we believe that pharmacist-led medication management and adherence programs would be beneficial not just to the 200 Medicaid patients

in the pilot project but to all residents of Connecticut."

The pilot was funded as part of a \$5 million grant the Connecticut Department of Social Services received from the federal Centers for Medicare & Medicaid Services. The UConn School of Pharmacy will report its findings in 2010.

Margherita Giuliano, executive vice-president of the Connecticut Pharmacists Association, says the association is excited about the possibilities for pharmacists and patients the pilot program may have.

"This project is a great opportunity for pharmacists to improve patients' quality of care and ultimately save the health care system a great deal of money," Giuliano says. "This project will enable pharmacists to access and triage patient health information, thereby identifying medication-related problems.

"Also importantly," she adds, "this project will highlight the value of pharmacists as trained medication experts in the management of patient health care."

Medication therapy management

is a relatively new concept that has been proven successful in other areas where it has been implemented. In the late 1990's, two employers in Asheville, N.C. – the municipal government and Mission-St. Joseph's Health System – started a pilot program where specially-trained pharmacists held face-to-

face meetings with employees with diabetes to educate and motivate them to better manage their condition and medications.

As a result, participating employees visited local hospital emergency departments at a rate one-third the national average. Their employers' direct medical costs declined by between \$1,622 and \$3,356 per participant, and one employer had an average reduction in program participant sick days of 41 percent.

In a separate project dealing with employees with hypertension (high blood pressure) and dyslipidemia (disruption in the amount of fat molecules in the blood, including high cholesterol levels), those participating in medication therapy management saw their blood pressures drop and the percentage of patients meeting their blood pressure goals increased from 40.2 percent to 67.4 percent. Employees also saw reductions in their so-called bad cholesterol. Medication use increased three-fold, while related medical costs decreased by 46.5 percent.



PHOTO BY DANIEL BUTTREY

Marie Smith, head of the pharmacy practice department.



GRANTS

The following grants were received through the Office for Sponsored Programs (OSP) in October 2008. The list represents only new proposals awarded, and excludes continuations. The list is supplied to the *Advance* each month by OSP.

P.I.	Department	Sponsor	Amount	Award Period
Federal Grants				
Anderson, S.	Human Dev./Family Studies Instr. & Research	Nat'l. Inst. of Health/ Substance Abuse & Mental Health Svs. Admin./ Center for Mental Health Svs./Wheeler Clinic Inc.	\$4,560	8/08-3/09
<i>Subcontract Between UConn and Wheeler Clinic Inc.</i>				
Anderson, S.	Human Dev./Family Studies Instr. & Research	Conn. Office of Policy & Management	\$29,062	8/08-5/09
<i>OPM Internship</i>				
Arnold, C.	Dept. of Extension	U.S. Dept. of Agriculture /Univ. of Rhode Island	\$343,473	9/08-8/12
<i>Regional Water Quality Project: Connecticut Portion</i>				
Auer, C.	Plant Science	U.S. Dept. of Agriculture	\$300,000	9/08-8/11
<i>Predicting Ecological Risk from Perennial Grasses Engineered for Biofuels and Turf</i>				
Babb, I.	National Undersea Research Center	Conn. Dept. of Environmental Protection/Long Island Sound	\$24,601	10/08-6/09
<i>An Underwater Tour of Long Island Sound – Phase Two – The Movies</i>				
Bagtzoglou, A.	Civil & Environmental Engineering	Native Nano LLC	\$177,795	9/08-6/09
<i>Fluid-Structure Interaction Analysis and Testing of an Innovative Small-Scale, Environmentally Friendly, Low-Head Hydropower Concept</i>				
Barber, T.	Mechanical Engineering	United Technologies/ UTC Power/UTC Fuel Cells	\$6,000	9/08-6/09
Bartholomew, C.	Dept. of Extension	U.S. Dept. of Agriculture/ Univ. of Maine	\$5,000	1/08-3/09
<i>2008 Pro New England Post Management Network State Network Project</i>				
Benson, D.	Molecular & Cell Biology	Pfizer Inc.	\$168,745	10/08-10/10
<i>New Technologies for Extracting, Characterizing, Amplifying and Detecting Nucleic Acids Supporting the Development of Rapid Microbiological Methods (RMMs)</i>				
Bucklin, A.	Marine Sciences	Woods Hole Oceanographic Institution	\$17,400	10/08-10/08
<i>Charter of R/V Connecticut by WHOI/Packard</i>				
Bucklin, A.	Marine Sciences	Woods Hole Oceanographic Institution	\$11,600	10/08-10/08
<i>R/V Connecticut Charter by WHOI for Track Cruise</i>				
Bucklin, A.	Marine Sciences	Woods Hole Group Inc.	\$23,200	10/08-10/08
<i>Charter of R/V Connecticut by Woods Hole Group/Catalano</i>				
Burgess, D.	Pharmaceutical Sciences	Nat'l. Insts. of Health/ Food & Drug Admin.	\$90,917	9/08-9/09
<i>Development of Quality by Design (QbD) Case Studies and Guidance Elements on Parenteral Dosage Forms</i>				
Bushey, J.	Civil & Environmental Engineering	Entex Technologies Inc.	\$12,279	10/08-4/09
<i>Technical and Operational Support for Entex Pilot Plant at the Stafford Connecticut Water Pollution Control Facility</i>				
Cao, C.	Mechanical Engineering	Nat'l. Aeronautics & Space Admin./Univ. of Illinois	\$288,369	9/08-9/11
<i>Adaptive Control with a priori Guaranteed Performance Bounds and Robustness/Stability Margins</i>				
Carter, M.	Center for Regenerative Biology	Conn. Dept. of Public Health	\$200,000	9/08-9/10
<i>Early Differentiation Markers in Human ES Cells: Identification and Characterization of Candidates</i>				
Chrobak, J.	Psychology	Pfizer Inc./Yale Univ.	\$14,568	2/08-5/08
<i>Neurophysiology of Receptor Actions in Prefrontal Cortex</i>				
Chrobak, J.	Psychology	Pfizer Inc./Yale Univ.	\$22,949	9/07-2/08
<i>Neurophysiology of Receptor Actions in Prefrontal Cortex</i>				
Chrysochoou, M.	Civil & Environmental Engineering	Schnabel Engineering North LLC	\$2,000	9/08-12/08
<i>Analysis of Soil-Cement Samples</i>				
De Guise, S.	Sea Grant College Program	Environmental Protection Agency/Long Island Sound Office	\$450,000	10/08-9/12
<i>Research to Fulfill the Long Island Sound 2008 Agreement</i>				

Donahue, A.	Public Policy	Dept. of Homeland Security/Univ. of North Carolina	\$566,026	7/08-6/14
<i>Risk Perception, Preferences, and Preparedness</i>				
Duffy, V.	Allied Health Sciences	Nat'l. Inst. of Health/ Nat'l. Inst. of Child Health & Human Development/ Univ. of Florida	\$7,348	9/08-8/09
<i>University of Florida Chemosensory Research Program</i>				
Enderle, J.	Electrical & Computer Engineering	Veterans Admin./ Providence Medical Center	\$29,031	10/08-5/09
<i>Clinical Engineering Internship Program at the Providence VA Hospital</i>				
Getchis, T.	Sea Grant College Program	U.S. Dept. of Agric./ Northeastern Regional Aquaculture Center	\$254,145	7/08-9/10
<i>Northeast Aquaculture Dept. of Extension Network</i>				
Havens, C.	School of Social Work Instr. & Research	Nat'l. Inst. of Health/ Substance Abuse & Mental Health Svs. Admin./ Center for Mental Health Svs./Wheeler Clinic Inc.	\$12,160	8/08-3/09
<i>Conn. Mental Health Transformation State Incentive Grant</i>				
Jain, F.	Electrical & Computer Engineering	Dept. of Defense/ Defense Advanced Research Projects Agency/ Alcatel-Lucent	\$65,700	8/08-2/09
<i>Growth and Characterization of InGaAs-InP Devices and Optoelectronic Systems</i>				
Jeffery, S.	Pharmacy Practice	Veterans Admin./ Providence Medical Center/Health Services Research & Development	\$47,634	8/08-7/12
<i>Group Intervention for DM Guideline Implementation</i>				
Kaminski, J.	Plant Science	U.S. Dept. of Agriculture/Cornell Univ.	\$32,500	7/08-6/09
<i>Northeast Plant Diagnostic Network</i>				
Kraus, C.	Ctr. for Svy. Rsch. & Analysis	Foodshare	\$11,000	9/08-1/09
<i>Foodshare Public Opinion Survey</i>				
Lownes, N.	Civil & Environmental Engineering	Conn. Dept. of Transportation/Conn. Acad. of Science & Engineering	\$19,000	11/07-1/09
<i>Connecticut Transportation Asset Management and Pavement Life-Cycle Cost Analysis</i>				
Luh, P.	Electrical & Computer Engineering	EnvaPower Inc.	\$57,375	8/08-8/09
<i>Wavelet Decomposition for Short-Term Load Forecasting of Mid-West ISO</i>				
Mack, F.	Dramatic Arts	Conn. Commission on Culture & Tourism	\$24,716	7/08-6/09
<i>Support for CRT's Production of Pericles</i>				
Morris, T.	Plant Science	U.S. Dept. of Agriculture/ Univ. of Vermont	\$171,032	10/08-9/10
<i>Regional Coordinator of Northeast USDA SARE Professional Development Program</i>				
O'Donnell, J.	Marine Sciences	Conn. Dept. of Environmental Protection/Long Island Sound	\$24,866	9/08-12/09
<i>The Expansion of the Long Island Sound Integrated Coastal System to the Connecticut River for Environmental Education and Research</i>				
Olderman, N.	CCS – Master's in Professional Studies	U.S. Dept. of Education/ Office of Safe and Drug-Free Schools	\$500,000	10/08-3/10
<i>UConn Emergency Management for Higher Education</i>				
Papke, R.	Molecular & Cell Biology	U.S.-Israel Binational Science Foundation	\$45,000	10/08-9/10
<i>Mechanisms of Gene Exchange in Halophilic Archaea</i>				
Pattipati, K.	Electrical & Computer Engineering	Dept. of Defense/ Defense Advanced Research Projects Agency/Aptima Inc.	\$50,000	8/08-6/09
<i>Algorithms for Organizational Identification and Automated Development of Action Plans for Adaptive Forces</i>				
Perusse, R.	Educational Psychology	Suffield Public Schools, Suffield, Conn.	\$21,577	8/08-6/09
<i>School Counseling Internship – Casey Conrod</i>				
Ranjeet, B.	ISS-Academic Programs Center	U.S. Dept. of Education/ Conn. Dept. of Higher Education	\$99,360	6/08-8/08
<i>Gear Up Transition to College Summer Program</i>				
Rasmussen, T.	Animal Science	Conn. Public Health Dept.	\$634,818	9/08-9/11
<i>Production and Validation of Patient-Matched Pluripotent Cells for Improved Cutaneous Repair</i>				
Reis Renzulli, S.	Educational Psychology	U.S. Dept. of Education/ Office of Elementary & Secondary Education	\$2,250,000	10/08-9/13
<i>Schoolwide Enrichment Model-Reading (SEM-R) in the Middle Grades</i>				
Shelton, D.	Nursing Instruction & Research	Nat'l. Insts. of Health/ Nat'l. Inst. of Nursing Research	\$136,358	9/08-7/10
<i>Formalizing a Research Partnership in Corrections</i>				
Singer, M.	Center for Health, Intervention & Prevention	Nat'l. Insts. of Health/ Nat'l. Inst. of Mental Health/Yale Univ.	\$45,051	9/08-6/13
<i>Center for Interdisciplinary Research on AIDS</i>				
Sosis, R.	Anthropology	Univ. of Oxford	\$18,647	5/09-8/10
<i>Finding Minds in the Natural World: Agency Attribution & the Sacralization of Land in Tyva Republic</i>				
Suib, S.	Chemistry	Dept. of Defense/Air Force Office of Scientific Research/Yardney Technical Products Inc.	\$6,120	7/08-12/08
<i>Material Studies and Testing</i>				
Vokoun, J.	Natural Rsrcs. Mgmt. & Engineering	Conn. Department of Environmental Protection	\$101,240	9/08-8/11
<i>Identification of Important Habitat Characteristics of Horseshoe Crab Spawning Beaches in CT</i>				
Zhang, B.	Mechanical Engineering	Conn. Center for Advanced Technology Inc.	\$67,172	6/07-3/09
<i>Software-Supported High Efficiency Grinding</i>				
Zheng, Y.	Political Science	Smith Richardson Foundation/Univ. of California, San Diego	\$3,000	1/08-2/08
<i>The Grand Strategy of China's Military Technological Ascendancy</i>				
Zhu, L.	Chemical, Materials & Biomolecular Engineering	National Science Foundation	\$4,000	12/08-11/09
<i>Travel Support Proposal for an ACS PMSE Symposium "Functional Polymer Nanocomposites for Energy Storage and Conversion"</i>				

CALENDAR

Monday, February 9, to Tuesday, February 17

Items for the weekly *Advance* Calendar are downloaded from the University's online Events Calendar. Please enter your Calendar items at: <http://events.uconn.edu/> Items must be in the database by 4 p.m. on Monday for inclusion in the issue published the following Monday. **Note:** The next Calendar will include events taking place from Tuesday, Feb. 17 through Monday, Feb. 23. Those items must be in the database by 4 p.m. on Monday, Feb. 9. If you need special accommodations to participate in events, call 860-486-2943 (Storrs), or 860-679-3563 (Farmington), or 860-570-5130 (Law School).

Academics

Monday, 2/9 – Last day for students to make up incomplete or absence grades.
Tuesday, 2/10 through Monday, 2/16 – Examinations for course credit by examination.
Tuesday, 2/17 – Dean's signature required to add courses.

Libraries

Homer Babbidge Library. Monday–Thursday, 7:30 a.m.–2 a.m.; Friday, 7:30 a.m.–10 p.m.; Saturday, 10 a.m.–10 p.m.; Sunday, 10 a.m.–2 a.m.
Dodd Center. Monday, 10 a.m.–7 p.m.; Tuesday–Friday, 10 a.m.–4 p.m.; Saturday, noon–4 p.m.; closed Sunday.
Pharmacy Library. Monday–Thursday, 8:30 a.m.–10 p.m.; Friday, 8:30 a.m.–4:30 p.m.; Saturday, 10 a.m.–5 p.m.; Sunday, 1–9 p.m.
Music & Dramatic Arts Library. Monday–Thursday, 9 a.m.–10 p.m.; Friday, 9 a.m.–5 p.m.; Saturday, noon–5 p.m.; Sunday, noon–10 p.m.
Health Center Library. Monday–Thursday, 7 a.m.–11 p.m.; Friday, 7 a.m.–7 p.m.; Saturday, 9 a.m.–5 p.m.; Sunday, noon–10 p.m.
Law Library. Monday–Thursday, 8 a.m.–11 p.m.; Friday, 8 a.m.–9 p.m.; Saturday, 9 a.m.–5 p.m.; Sunday, 1–9 p.m.
Avery Point Campus Library. Monday–Thursday, 8:30 a.m.–7 p.m.; Friday, 8:30 a.m.–5 p.m.; closed weekends.
Greater Hartford Campus Library. Monday–Thursday, 9 a.m.–9 p.m.; Friday & Saturday, 10 a.m.–5 p.m.; closed Sunday.
Stamford Campus Library. Monday–Thursday, 8 a.m.–9 p.m.; Friday, 8:30 a.m.–4 p.m.; Saturday, 11 a.m.–4 p.m.; closed Sunday
Torrington Campus Library. Monday–Thursday, 9:30 a.m.–6:30 p.m.; closed Friday–Sunday.
Waterbury Campus Library. Monday–Thursday, 8:30 a.m.–7 p.m.; Friday, 9 a.m.–4 p.m.; closed weekends.

University ITS

Help Desk: Call 860-486-4357, Monday–Friday, 8 a.m.–5 p.m.

Ph. D. Defenses

Friday, 2/13 – Oceanography. *Gene expression in the Toxic Dinoflagellate, Alexandrium fundyense: Emphasis on Cell Cycle and Growth Regulatory Genes*, by Lilibeth Miranda (adv.: Lin). 10 a.m., Room 103, Marine Sciences Building, Avery Point Campus.

Meetings

Tuesday, 2/10 – Board of Trustees. 1 p.m., Rome Commons Ballroom.
Tuesday, 2/17 – Parking Advisory Committee. 2 p.m., Room 321, School of Business.

Lectures & Seminars

Monday, 2/9 – India Studies Faculty Book Colloquium. “Understanding Indian Movies: Culture, Cognition, and Cinematic Imagination.” Betty Hanson, moderator; Rini Cobbey, Josef Gugler, Kathryn Myers, panelists; Patrick Hogan, respondent. 4 p.m., Class of ’47 Room, Babbidge Library.

Monday, 2/9 – Panel Discussion. “A 100 Day Retrospective on Marriage Equality in Connecticut.” Panel. 6:30 p.m., Hogan Lecture Hall, Eads Classroom, Torrington Campus.
Tuesday, 2/10 – Coastal Perspectives Lecture. “The Legacy of Charles Darwin,” by Constance Clark, Worcester Polytechnic Institute, Michael Robinson, University of Hartford, Les Kaufman, Boston University, and Jennifer Tucker, Wesleyan University. 6:30 p.m., Branford House, Avery Point Campus.
Wednesday, 2/11 – Rainbow Center Lecture. “Cyber Queer in Turkey: Globalization, New Media, and the Formation of Queer Identities and Communities.” Noon, Room 403, Student Union.
Thursday, 2/12 – Comparative Pathology Seminar. “Brain and Behavior in Autism: Current Understandings and Future Strategies,” by Robert Schultz, University of Pennsylvania. 11 a.m., Room A001, Atwater Laboratories.
Thursday, 2/12 – Stamford Campus Faculty Colloquium. “I Did the Best I Could: Mothering within the Context of Domestic Abuse,” by Ingrid Semaan. Noon, GE Global Classroom, Stamford Campus.
Thursday, 2/12 – Year of Science Lecture. “President Lincoln’s Text Message: The Second Inaugural Address, March 4, 1865.” Harry Stout, Yale University, and John Stauffer, Harvard University, will lead a panel of UConn faculty. 3 p.m., Great Hall, Alumni Center.
Thursday, 2/12 – Ecology & Evolution Biology Seminar. “Catastrophic Extinction of the Dinosaurs at the Cretaceous–Tertiary Boundary.” 4 p.m. Room 130, Biology/Physics Building.
Thursday, 2/12 – Benton Museum Lecture. “Documenting Peruvian History and the Visual Arts,” panel discussion with Jose Falconi and Kimberly Theidon, Harvard University, and Michael Orwicz. 4 p.m., Benton Museum.
Friday, 2/13 – Migration Seminar. “Defining Migration: America’s Great Debate and the History of U.S. Immigration Policy,” by Marc Rosenblum, University of New Orleans. Noon, Room 438, Student Union.

Friday, 2/13 – Linguistics Colloquium. “Who Did What to Whom: A Cross-Linguistics Investigation,” by Karen Stromswold, Rutgers University. 4:30 p.m., Room 311, Arjona Building.
Tuesday, 2/17 – Something’s Happening Workshop. For UCPEA members. 9 a.m., Rome Commons Ballroom. For more information call Cara Workman at 860-486-4077.
Tuesday, 2/17 – Stamford Faculty Colloquium. “The Role of Respective Kings in Cambodia’s Genocide and Today’s Chaos in Thailand,” Benny Widyono. Noon, GE Global Classroom, Stamford Campus.

Exhibits

Through mid-February – Jorgensen Gallery. *We’re Always Looking, But Not Always Seeing*, photographs by Robert Thiesfield. Monday–Friday, 11 a.m.–4 p.m.
Through Sunday, 2/22 – Alexey von Schlippe Gallery. *The Veil: Visible and Invisible Spaces.* Wednesday–Sunday, noon–4 p.m. Members and students free, all others \$3 donation. Avery Point Campus.
Through Friday, 3/6 – Benton Museum. *¡Merengue! Visual Rhythms/Ritmos Visuales*, works spanning the 20th century; *Yuyanapaq: To Remember*, photographs from Peru; *Rhythms in Design*, exhibition highlighting music in the visual arts. Tuesday–Friday, 10 a.m.–4:30 p.m.; Saturday & Sunday, 1–4:30 p.m.
Through Friday, 3/6 – Babbidge Library. *An Accidental Artist*, hooked rugs by Lida Skilton Ives, Gallery on the Plaza; *Familiar Terrain*, prints by Joan

Jacobson–Zamore, Stevens Gallery. For hours, see Libraries section.
Through Friday, 3/6 – Dodd Center. *Charles Darwin, 1809–1882, the Legacy of a Naturalist.* For hours, see Libraries section.
Through Wednesday, 4/15 – Health Center. *Art as a Healing Process*, pastels by Rozanne Hauser, and *Moments in Time*, pastels by James Sheehy. Daily, 8 a.m.–9 p.m., Celeste LeWitt Gallery. Through Wednesday, 3/25, *As Always Jean*, collage, assemblage, and handmade paper by Jean Roberts. Daily, 8 a.m.–9 p.m., Main and Mezzanine Lobbies.
Through Friday, 4/17 – Contemporary Art Galleries. *The Super City.* Monday–Friday, 8:30 a.m.–4:30 p.m., Fine Arts Building. Free admission.
Ongoing – State Museum of Natural History & Connecticut Archaeology Center. *Human’s Nature: Looking Closer at the Relationships between People and the Environment.* Tuesday–Saturday, 10 a.m.–4 p.m.; Sunday & Monday, closed. Free admission, donations welcome.

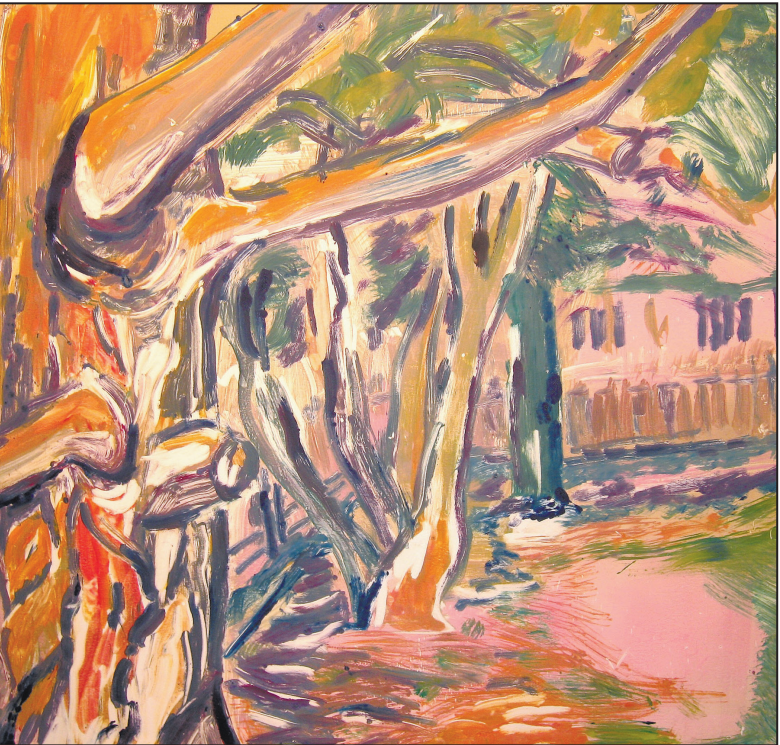


PHOTO SUPPLIED BY THE DODD CENTER

“Summer Evening,” a print by Joan Jacobson-Zamore, part of the *Familiar Terrain* exhibit in Homer Babbidge Library.

Performing Arts

Thursday, 2/12 – Bicentennial Concert. “Darwin’s Meditation for the People of Lincoln,” narrated by Daniel Beaty, with chamber ensemble. Tickets \$28, \$30. 8 p.m., Jorgensen Center for the Performing Arts.
Saturday, 2/14 – Student Recital. Mary McCue, soprano. 7p.m., von der Mehden Recital Hall.
Sunday, 2/15 – Student Recital. Kelly Allison Davis and Kristen Smith, sopranos. 3p.m., von der Mehden Recital Hall.
Tuesday, 2/17 – Orion String Quartet. With guest artists Theodore Arm, violin, and Kangho Lee, cello. Tickets \$28, \$30. 7:30 p.m., Jorgensen Center for the Performing Arts. Concert talk at 6:45 p.m.

Film

Tuesday, 2/17 – Film Screening and Discussion. *Kick Like a Girl. Lead Like a Woman.* Followed by a discussion led by Jenny Mackenzie, documentary filmmaker. 7 p.m. Student Union Theatre. Free admission.

Athletics

Wednesday, 2/11 – Men’s Basketball vs. Syracuse. 7 p.m., Gampel

Pavilion.
Friday, 2/13 – Men’s Ice Hockey vs. Mercyhurst. 7:05 p.m., Freitas Ice Forum.
Saturday, 2/14 – Men’s Ice Hockey vs. Mercyhurst. 7:05 p.m., Freitas Ice Forum.
Sunday, 2/15 – Women’s Basketball vs. Pittsburgh. 3:30 p.m., Gampel Pavilion.
Monday, 2/16 – Men’s Basketball vs. Pittsburgh. 7 p.m., XL Center, Hartford.

Potpourri

Tuesday, 2/10 – Radio Interview. Wayne Norman interviews Rigoberto Lopez. 7:15 a.m., WILI Radio, 98.3 FM.
Tuesday, 2/10 – Year of Science Book Discussion. *Rebel Giants: The Revolutionary Lives of Lincoln and Darwin*, by David Contosta, historian. 4 p.m., Jorgensen Gallery.
Tuesday, 2/10 – Poetry Reading. C.D. Wright, Aetna Writer-in-Residence. 7 p.m., Konover Auditorium.
Tuesday, 2/10 – Conversations on Great American Books. *Walden*, by Henry David Thoreau. Discussion led by Robert Gross. 7 p.m., Graduate Business Learning Center, Constitution Plaza, Hartford. Admission: \$5 Alumni Association members/\$10 non-members.
Thursday, 2/12 – Poetry Reading. *Strange Attractions: Poems of Love and Mathematics*, by Sarah Glaz. 4 p.m., UConn Co-op.
Thursday, 2/12 – Lesbian, Gay, Bisexual, Transgender Faculty/Staff Group. 5:30 p.m., Nathan Hale Inn, Storrs. For more information contact doug.bradway@uconn.edu.
Saturday, 2/14 – Greenhouse Tour. *Sugar and Spice and Chocolate!* Adults and children 8 and above, children must be accompanied by an adult. Admission: \$15 non-members, \$10 members. 10 a.m., Ecology and Evolutionary Biology Greenhouse. Advance registration required, call 860-486-4460.
Saturday, 2/14 – Saturday Afternoons at the Museum. 1 p.m., Connecticut State Museum of Natural History. Free admission.
Monday, 2/16 – Author Event. *Dating Jesus, A Story of Fundamentalism, Feminism, and the American Girl*, with Susan Campbell, *Hartford Courant* reporter and columnist. 6:30 p.m., UConn Co-op.
Tuesday, 2/17 – Author Event. *Making Freedom: The Extraordinary Life of Venture Smith*, by Chandler Saint. 4 p.m., UConn Co-op.

Plant physiology professor William Kennard dies

BY SHERRY FISHER

William Kennard, professor emeritus of plant physiology in the College of Agriculture and Natural Resources, died Jan. 11. He was 87.

Kennard, who lived in Storrs, joined the University in 1962 and retired in 1991.

He received his doctorate from Pennsylvania State University and his post-doctoral diplomate from the Oakridge Institute of Nuclear Science. He managed the Institute of Tropical Agriculture in Puerto Rico for five years, and was principal investigator and research administrator for the Office of Experiment Stations in Washington D.C. for five years before joining the UConn faculty.

Kennard founded the Connecticut Institute of Water Resources at UConn and was involved in the early mapping of the Landsat satellite images.

“Bill Kennard was my advisor, my mentor, my colleague, and my inspiration,” says Daniel Civco, professor of natural resources management and engineering. “He was a visionary, having been an early adopter of remote sensing technology some 35 years ago. It’s an area in which this University excels today because of his efforts.”

Civco adds, “Without question, Bill was a scholar. But more importantly, he was compassionate, understanding, and caring. I will miss him.”

Patricia Bresnahan, associate director of the Connecticut Institute of Water Resources says, “I appreciate what a good job he did in setting up the Institute. He set a standard that we’re trying to live up to.”

The William C. Kennard Seminar Series sponsored by the Institute was named in his honor several years ago.

Kennard was a Special Forces paratrooper in World War II, and carried the discipline and values he learned in the army over to his life. He was a perfectionist, holding himself, his students, and his family to the highest standards. He loved gardening, architecture, and sailing. He was a voracious reader, a consummate wood carver, and a talented painter.

Kennard is survived by his wife, Leslie, two daughters, a son, grandchildren, and great-grandchildren. He was predeceased by his first wife and a daughter.

Donations in his memory may be made to the Storrs Congregational Church, 2 North Eagleville Road, Storrs, CT 06268 and designated to the “Welcoming All” accessibility campaign. Donations may also be made to AmeriCares, 88 Hamilton Ave, Stamford, CT 06902.

UConn’s contributions to health, environment, showcased



PHOTO BY PAUL HORTON

William Kraemer, professor of kinesiology, left, and Gerard Martin, strength and conditioning coach, meet in the strength and conditioning facility at The Burton Family Football Complex and Mark R. Shenkman Training Center.

For the next several weeks, the *Advance* will continue presenting sections of a report produced by University Communications in conjunction with a study by Stanley McMillen, chief economist at the Connecticut Department of Economic and Community Development. The *UConnomy* report outlines the many ways the University contributes to the state’s economic well being.

Part of the report discusses how preserving the environment and promoting the health of Connecticut’s citizens are equally crucial in sustaining the state’s economy. It says outstanding health care services and advanced research are generating a healthier, more productive workforce. It also says that UConn integrates eco-friendly policies into its daily operations,

and tackles conservation challenges confronting the region.

Examples include:

- UConn has implemented a range of policies integrating “green” thinking into campus building construction, buying local produce, and raising bees for honey production. Faculty members are investigating solar energy, biodiesel production, and fuel cells, while student groups promote environmental awareness.
- The Ergonomics Center at the Health Center provides workplace ergonomics evaluation and training for private firms, as well as for state employees, keeping Connecticut workers healthy and productive.
- Within the College of Agriculture and Natural Resources, scientists study animal diseases that have an impact on public health

in Connecticut. At the Center of Excellence for Vaccine Research, vaccines and diagnostic tools developed to identify and treat diseases affecting poultry, cattle, and swine improve the agricultural economy and enhance the retail food industry.

- Discoveries by UConn faculty are valuable in keeping the natural world clean. Board of Trustees Distinguished Professor of Chemistry Steven Suib and his research group in the College of Liberal Arts and Sciences developed a membrane that can absorb up to 20 times its weight in oil and can be recycled many times. This could have a major environmental impact with its potential for cleaning oil spills and filtering water.
- The School of Nursing is dedicated to educating tomorrow’s

nursing scholars and clinicians, while supporting patients across the state with public health services. Each week, more than 300 nursing students provide some 5,000 hours of care to patients and residents at area health care agencies, and this has an economic impact of more than \$3.5 million annually.

- Striving to improve the well being of at-risk populations, experts at UConn’s Center for Health, Intervention, and Prevention (CHIP) conduct international research in areas including cancer prevention, diabetes management, and substance abuse. The Center’s director, psychology professor Jeffrey Fisher, alone has received more than \$22 million in federal grants since 1989 to help reduce the incidence of HIV and AIDS.
- The Neag School of Education develops future leaders in fields such as athletic training, exercise science, and physical therapy. The School is home to the nation’s #1 kinesiology doctoral program, as ranked by the American Academy of Kinesiology and Physical Therapy.
- Connecticut’s Latinos endure health problems at levels disproportionate to the rest of the population. Through the Connecticut Center for Eliminating Health Disparities among Latinos, UConn engages in outreach and research projects to reduce or prevent these disparities.
- Together with UConn’s schools of Dental Medicine, Medicine, and Nursing, the School of Pharmacy takes part in the Urban Service Track Program, preparing health care professionals who provide health care to the underserved in Connecticut’s inner cities.
- The University prepares the

students who will serve as leaders in Connecticut’s health care organizations. For 30 years, the Center for Healthcare and Insurance Studies, in the School of Business, has been a resource for students interested in health care management careers, offering degree programs in the field.

- Correctional Managed Health Care, a partnership between the Health Center and the state Department of Correction, provides comprehensive health care to inmates in the state’s correctional facilities. This program includes clinical services and case management in medicine, surgery, dentistry, and mental health and specialty care for 19,000 state inmates.
- The Connecticut Poison Control Center at the Health Center provides free advice about poison exposure. Each year, staff members give immediate medical advice to more than 30,000 callers and prevent more than 20,000 needless emergency room visits, saving the state’s citizens nearly \$4.1 million.
- Physicians in the Pat and Jim Calhoun Cardiology Center at the Health Center incorporate the latest scientific knowledge into their diagnoses and treatment of diseases of the heart and blood vessels, using sophisticated imaging techniques to identify problem areas and the latest medical and surgical strategies to repair them. Cardiologist Michael Azrin has perfected the technique of accessing the heart for angioplasty through a small artery in the wrist, which reduces risk of bleeding and speeds recovery. Director Bruce Liang has identified a protein that is a marker of heart failure, which could help improve clinical decision making.

Governor’s budget *continued from page 1*

and faculty. UConn is a critical state asset that can be employed to address our economic crisis in the short term and ensure Connecticut’s economic vitality in the long term.”

Hogan and UConn officials also are concerned about two other aspects of Rell’s address: a proposal to require public colleges and universities to obtain the approval of the Office of Policy and Management prior to filling positions, and a move to defer bonding for UConn 2000/21st Century UConn projects for one year.

“For more than 15 years the University has had the authority to fill positions in accordance with our priorities,” Hogan said. “A return to this past practice would remove local decision-making, add to the state’s bureaucracy, and impair operating efficiency.”

University administrators, at press time, were still analyzing details of the proposal to delay capital projects for a year and

trying to determine how it would affect the UConn 2000 program.

The governor’s budget now goes to the full legislature for debate.

“We will highlight to our state’s elected leadership how critical UConn is to Connecticut’s future,” Hogan said, “and the value of continued investment, even in these difficult economic times.”

Hogan added that every effort would be made to maintain the University’s commitment to financial aid.

“As we work through strategies to address these dramatic cuts, to the extent possible, we are committed to continuing to protect financial aid to ensure access to our outstanding programs and to those students with the greatest need for assistance,” Hogan said. “As a general principle, protecting program quality and accessibility are foremost. Yet we recognize that cuts of this magnitude would necessitate sacrifices

Grad fellowship established in psychologist’s memory

BY LESLIE LOVELESS

Carolina Herfkens, widow of the late psychology professor J. Conrad Schwarz, has established a new graduate fellowship endowment in his memory.

J. Conrad Schwarz joined UConn’s psychology department in 1972, serving in the clinical division. Much of his research examined the effects of family dynamics on personality development in children. He is remembered for his commitment to graduate education, in particular, and was also largely responsible for founding the on-campus Psychology Services Clinic, a training facility for graduate students in clinical psychology that provides campus-based mental health services.

Schwarz died in 2003.

Herfkens’ initial gift of \$25,000 allocates \$5,000 directly to a spending account for immediate use. An additional gift to the fund of \$125,000 is pledged in her estate plan. Herfkens says that she feels very grateful to be able to make a gift like this to honor her husband’s lifelong work as a researcher, teacher, and mentor.

Psychology department head

Charles “Skip” Lowe remembers Schwarz’s accomplishments in both research and training.

“Usually people focus on one or the other, but he really found a way to balance both in his work,” says Lowe.

Schwarz published more than 100 papers during the course of his career. He also served as a consulting editor for *Developmental Psychology*, one of the top journals in the field, and maintained a private clinical practice while advising many students, some of

whom went on to highly successful careers in psychology. In the 1980s, Schwarz and Herfkens (an educational psychologist) co-developed a computer software program to help teach reading skills to children with dyslexia. Schwarz also was in charge of the psychology department’s ethics committee for many years, a position that he took seriously, according to Lowe.

“This was before there were Institutional Review Boards to make sure that research with human subjects was done ethically,” says Lowe.

The endowment will support graduate training in clinical psychology, with priority given to students with an interest in studying the effects of family dynamics or childhood disorders on personality development in children.

Lowe says the first fellowships were awarded in the fall.

Herfkens wants her gift to honor the psychology department as well as her late husband. She says she and Schwarz formed many close friendships with members of the department faculty during their three decades living in Storrs.



PHOTO SUPPLIED BY UCONN FOUNDATION

The late Prof. J. Conrad Schwarz