

Chronicle

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Speakers address future of the humanities in the corporate university

By Franklin Crawford

Universities are undergoing rapid changes in response to dynamic and even contradictory forces that pose special challenges to the humanities and social sciences. In a candid effort to address these complex issues, the Cornell Institute for German Cultural Studies and the Institute for European Studies, in cooperation with the Cornell administration, have organized a symposium titled "The Future of the Humanities in the Corporate University: A Report from Berlin and an Invitation to a Cornell Dialogue," from 4 to 6 p.m., Tues-



Rawlings



Martin



Cohen



Lewis

day, April 3, in 155 Olin Hall. It is free and open to the public.

Guest speakers at the symposium will

include: President Hunter Rawlings; Provost Biddy Martin; Walter Cohen, vice provost and dean of the Graduate School; and

Philip Lewis, the Harold Tanner Dean of the College of Arts and Sciences. Conveners will be: Peter Hohendahl, the Jacob Gould Schurman Professor of German and Comparative Literature and director of the Institute for German Cultural Studies, and Davydd Greenwood, Goldwin Smith Professor of Anthropology and director of the Institute for European Studies.

The symposium's presentations will be renderings of key topics previously addressed in detail by members of a Cornell delegation – including Rawlings, Martin, Cohen, Lewis and Hohendahl – at a conference
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Signs of spring



Frank DiMeo/University Photography

Jeffrey Wagemaker, a visiting fellow from the Netherlands, examines some of the tulips in the Kenneth Post Greenhouses on campus last week. Wagemaker is doing research in the Department of Horticulture through funding from Dutch Bulb Exporters.

AFL-CIO president will speak April 4 at ILR's Union Days

By Franklin Crawford

AFL-CIO President John Sweeney is the keynote speaker for Union Days 2001, a three-day event hosted by Cornell's School of Industrial and Labor Relations, April 4, 5 and 6.

Sweeney's address launches the annual event April 4 at 1 p.m. in 305 Ives Hall. All Union Days events are open to the public and are free, except where noted below.

The theme of Union Days 2001 is "Organizing for the Future," focusing on the expansion of unionizing across the broad spectrum of job categories, from low-wage jobs to high-tech employment.

"As AFL-CIO president, John Sweeney personifies a new American labor movement—a movement committed to defending workers' rights and to restoring organizing as the centerpiece of trade-union activism," said Risa Lieberwitz, Cornell associate professor of labor law and Union Days committee chair.

Sweeney, who had been an AFL-CIO vice president since 1980, was elected president of the organization at the federation's biennial convention in October of 1995. At the time of his election, he was serving his fourth, four-year term as president of SEIU (Service Employees International Union), which grew from 625,000 to 1.1 million members
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Sweeney

CU-developed milk product makes its big e-Moo-ve

By Blaine P. Friedlander Jr.

Got e-Moo?

Taking direct aim at the youth sports drink and carbonated soft drink industry, a carbonated, milk-based beverage has been developed by food science researchers at Cornell. It is anticipated that e-Moo, made by Mac Farms Inc. of Burlington, Mass., will be in supermarket dairy cases this summer.

"The carbonation does the same thing in soft drinks as in e-Moo. It provides a carbonated sensation. Also, it extends the shelf life of what you would expect from milk," said Joseph Hotchkiss, Cornell professor of food science and one of the researchers who worked with Mac Farms on the product's development. "With refrigeration, we believe that e-Moo can last six weeks."

But unlike carbonated soft drinks, supercharged with sugar, flavoring and little – if any – nutrition, e-Moo is good for children. "The time might be right for e-Moo," said

'They wanted folks with experience – and we helped turn this concept into a product.'

– Joseph Hotchkiss, professor of food science, talking about Mac Farms coming to CU for food science expertise to develop e-Moo.

Hotchkiss. "The nutrition base is right. If you are 5 or 6 years old, you might like this. It has the nutrition profile of milk and could be made better than milk."

On March 20, the media came to campus to see how this carbonated milk beverage is made and bottled at Cornell's food science pilot plant. As a result, the Associated Press carried an article about the agricultural implications of e-Moo on its news wire as did

United Press International. CNN features reporter Jeanne Moos produced a long, and humorous, story on e-Moo that aired March 20-21 on that TV network, and another report on the new drink was shown on Fox News over the March 24-25 weekend. Locally, television stations WIXT of Syracuse, WICZ of Vestal, WETM of Elmira and Time Warner's Newscenter 7 carried the story.

The fluid idea of the e-Moo beverage began when George and Mary Ann Clark of Mac Farms noticed that children, teens and young adults were drinking large amounts of sports beverages and soft drinks. "At the same time, we also noticed that sales growth in the fluid dairy industry was flat," said Mary Ann Clark, vice president of marketing at Mac Farms. "There had been no recent technical innovations that were of any direct benefit to the consumer."

Mac Farms turned to Cornell's food science expertise to produce a formula and to
Continued on page 8



Frank DiMeo/University Photography
Bottles of e-Moo are filled in the CU food science department's pilot plant.

BRIEFS

■ **Hear about creative careers:** A "Careers for Creative People" program for current students will be held Friday, March 30, from 4 to 5:30 p.m. in 103 Rockefeller Hall. Panelists joining in the discussion will be Cornell alumni from the colleges of Architecture, Art and Planning, Arts and Sciences, Engineering and Human Ecology, who have made their way in the employment world while maintaining creativity as a primary part of their careers. Panelists will include: artist Elsie Dismore Popkin, AAP '58; Hollywood-based entertainment writer Nancy Mills, HE '64; composer, songwriter and inventor Brad Ross, A&S '79; creative developer, systems architect and multimedia designer Michael Tamburro, Eng. '97; and magazine features editor Jessica Rodriguez, A&S '99. "Careers for Creative People" is sponsored by Cornell Career Services, Engineering Career Services and Arts and Sciences Career Services. For further information, contact Irene Komor at 255-3559.

■ **TAC public hearing:** The Transportation Advisory Committee (TAC) of the University Assembly and Transportation Services invite the Cornell community to a public hearing. Transportation Services will present – and invite feedback on – its "program document," which outlines its accomplishments from 2000-01 and goals for 2001-02. The hearing is scheduled for Wednesday, April 4, from noon to 1 p.m. in Room G-10 of the Biotechnology Building. Transportation Services staff will be available to discuss Cornell's commuting and parking programs. Any Tompkins Consolidated Area Transit (TCAT) related questions should be addressed to the TCAT board of directors. TCAT's next board meeting is scheduled for April 26 at the TCAT facility, 737 Willow Ave.

■ **Alcohol Screening Day:** The Employee Assistance Program is offering a free, anonymous screening for alcohol problems as part of National Alcohol Screening Day, Thursday, April 5. The screening will be held in Room B16 of Day Hall at 11:30 a.m., and it is open to Cornell staff and faculty. Participants will hear an educational presentation on

alcohol problems, complete a written self-test and have the opportunity to talk privately with a health professional. Pamphlets and brochures will be available, as well as referrals to local treatment and support resources for those who need further evaluation. The program is designed to educate the public about alcohol problems and offer those who may be struggling a way to seek help. The focus of National Alcohol Screening Day is on teaching participants how to recognize if they or a loved one is abusing alcohol and how to get the help they need. For more information contact Ann Cutler at 255-1531 or at <ac100@cornell.edu>.

■ **Goethe Prize 2001:** Submissions for the 2001 Goethe Prize, open to all students, are now being sought. Junior, senior or graduate students can win up to \$250 with an essay (10 to 20 pages in German or English) and freshmen and sophomores can win up to \$100 with an essay (five to 10 pages in German or English) on any topic connected with German literature. The Goethe Prize, endowed in 1935 by Ludwig Vogelstein, is awarded annually for the best essay. The committee may award a first prize and, possibly, a second prize in each competition. Essays should be submit-

ted under an assumed name, but the author must indicate class (freshman, sophomore, etc.) on the essay and submit a sealed envelope containing his/her identity, student ID number and local address and telephone. Each student may enter only one essay; former prize winners are not eligible, except that winners in the freshman-sophomore competition may enter the junior-graduate competition when they have advanced to that status. The deadline is noon, April 16. Submit entries to the Dean of the University Faculty, 315 Day Hall. For more information, contact Peter Gilgen, 192 Goldwin Smith Hall, 255-3312 or <pg33@cornell.edu>.

■ **Women's Studies fellowship:** The Women's Studies Program announces a dissertation fellowship for 2001-02. Cornell graduate students whose dissertation will focus on women or gender issues are invited to apply for a fellowship to support their dissertation research. The fellowship will provide tuition and fees for the 2001-2001 academic year, along with a stipend. The application deadline is April 25. Further information on application requirements is available in the Women's Studies Program office, 391 Uris Hall.

NOTABLE

■ **Diann Sams,** a program coordinator for the Cornell-Ithaca Partnership (C-IP), is a recipient of the First Annual Harriet Tubman Humanitarian Achievement Award. She received the award on March 10 in Albany. Sams was cited for her "tireless service and dedication to the community." A member of the Ithaca Common Council for seven years, acting mayor for two years and a school board member for six years, Sams has been with C-IP for about a year. The C-IP, which is funded by the U.S. Department of Housing and Urban Development, addresses the concerns of neighborhoods and works to enhance the quality of life in the city in Ithaca in concert with Cornell faculty, staff and students. Sams' work at Cornell has included organizing children in summer camp at the Southside Community Center to visit a series of sites and events at Cornell during the summer and coordinating a group of 60 women (including middle and high school students, their teachers, local government officials, community agency staff and Cornell students, faculty and staff) between ages 15 and 86 to take a chartered bus to Auburn to attend "A Roomful of Sisters," a daylong gathering and sharing of experiences for Women's History Month.

LETTER

To the editor:

I have read with interest the article "Faculty Senate votes to keep Ward Center for Nuclear Sciences in operation" (Chronicle, March 22, 2001). Though Ms. Powers no doubt intended an impartial view, a few additional points should be made. First, the resolution adopted by the senate is appended [below] for comparison to the "failed" resolution printed in the article. Secondly, while opinions both in favor of and opposed to the adopted resolution were included, perhaps the most important information provided in favor of the resolution was omitted. Professor Joseph Ballantyne stated his view that the reason for the "disconnect" between the LAC report and the conclusion of the "Friends of the Ward Center" rests in the difference in the criteria used in the evaluation. The LAC presumably based its report on criteria contained in the charge given it by the VP for research, criteria that must be quite different from those contained in the Charter of the Ward Center, which is the basis of its operational philosophy. The center is admirably meeting the goals con-

tained in the charter. Thirdly the remark of Professor Arms (quoted in the article) is curious. I assume that the "issue" he considers "too complex for those not familiar with the center" embraces the scientific, technological and academic value of the Ward Center. Since the senators had sufficient understanding of the "issue" to create the Ward Center, including its charter, in 1996, I am persuaded that they would continue to have sufficient understanding to make a recommendation now on its future, as they did at the meeting on March 14.

– **Francis A. Kallfelz,**
the James Law Professor of Medicine

Resolution

Whereas the WCNS is accomplishing and expanding its mission to provide safe analytical and testing facilities for the education and research activities of faculty, staff and students at Cornell,

Whereas the WCNS is an open center available to users from all departments and colleges,

Whereas its resources are also available

to users outside Cornell as part of the public service functions of the University symbolized by its status as the Land Grant University of the State of New York,

Whereas the WCNS has an increasing financial base and proposes to reduce its University subsidy from \$200,000 per year to zero effective July 1, 2001,

Whereas there is an expectation that additional operating revenues for the Center will be forthcoming from the U.S. Department of Energy and NSF,

Whereas the cost to Cornell University's endowment is estimated to be at least 4.01 million dollars if the TRIGA reactor were to be decommissioned,

Whereas the Gamma Facility of the WCNS is also heavily used by Cornell researchers, and would cost approximately an additional 3.0 to 4.0 million dollars to relocate;

Therefore be it resolved

That the Faculty Senate reaffirms its 1996 recommendation that Cornell University operate the nuclear reactor, gamma cell, and associated analytical facilities as the Ward Center for Nuclear Sciences.

MEMORIAL

The Cornell Department of English is planning a memorial service in honor of **A.R. Ammons**, the Goldwin Smith Professor of Poetry emeritus, who died Feb. 25 of this year. The memorial service will be Sunday, April 29, at 2 p.m. in Sage Chapel. Further details are forthcoming.

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Union Days *continued from page 1*

under his leadership.

The labor leaders who will participate in the panel discussion and strategy sessions, Thursday, April 5, beginning at 3 p.m. in 105 ILR Conference Center, have been involved in dramatic organizing work. The Rev. James Orange, AFL-CIO field representative at-large and religious and community coordinator, has been active in the Jobs With Justice campaign and he worked with the Rev. Martin Luther King Jr. in the Southern Christian Leadership Conference; Julie Kushner, sub-regional director of UAW Region 9-A, led the UAW's successful organizing campaign to unionize New York University graduate-student employees; and Marcus Courtney is a co-founder and organizer of WashTech/Communications Workers Association, which led an organizing campaign among Microsoft "permatemp" technical employees in Seattle.

The Union Days schedule is:

Wednesday, April 4: 1–2:15 p.m., 305 Ives Hall; Welcome: Dean Edward J. Lawler, School of Industrial Labor Relations; Keynote address: AFL-CIO President John Sweeney.

Thursday, April 5: 3–4:30 p.m., 105 ILR Conference Center, Topic: "Organizing for the Future: Unionizing in all jobs – from

service work to university graduate student employees to high tech employment," with the Rev. James Orange, Julie Kushner and Marcus Courtney; 4:45–5:45 p.m., 105 ILR Conference Center, Strategy Workshops: Brainstorming with labor leaders about organizing broadly across all job categories; 7 p.m. Willard Straight Theater, movie: *Harlan County U.S.A.*, \$4.50/\$4 for students and seniors. Discussion topic follows the movie on "Organizing Strategies and Tactics: Is Violence Ever Appropriate?"

Friday, April 6: 10 a.m.–1 p.m., Ives Hall Smithers Lobby and Cleary & AFL-CIO Lobby, Social Justice Career Fair: Explore careers in social justice with Cornell alumni and other representatives from labor and non-profit organizations; 1:30–3 p.m., ILR Faculty Lounge: Reception honoring Cornell labor alumni.

Union Days is sponsored by the School of Industrial and Labor Relations, with co-sponsors: Cornell Organization for Labor Action; Minority ILR Student Organization; ILR Institute for Women and Work; ILR Office of Career Services; ILR Office of Student Services; Cornell Cinema; and the Center for Religion, Ethics and Social Policy.

For more information, contact Lieberwitz at 255-3289 or e-mail <rl15@cornell.edu>.

Humanities *continued from page 1*

ence on the same topic held at the Humboldt University of Berlin this past October. Independently, the Institute for European Studies began a yearlong seminar in the fall on the future of universities.

"With globalization and corporatization, universities are being transformed in profound ways," said Greenwood. "While diatribes abound, academic inquiry about trends of change in the academy is rare, as if the university itself were not a legitimate subject for humanistic and social scientific study. Sustained analysis of these complex issues is essential to our collective future, and it is greatly to the administration's credit that they willingly take this on in a public format."

The symposium is organized as follows:
4:05-4:15 p.m. Introductions: Peter Hohendahl and Davydd Greenwood open the session with a brief history of this event and its goals, followed by brief introductions of all the speakers, who will present in the following order:

4:15-4:35 p.m. President Hunter Rawlings

4:35-4:55 p.m. Dean Philip Lewis

4:55-5:10 p.m. Discussion

5:10-5:30 p.m. Vice Provost Walter Cohen

5:30-5:50 p.m. Provost Biddy Martin

5:50-6 p.m. Discussion

CSE conference looks at 'post-bubble environment' technology investments

With the stock market recently in a free fall, particularly for technology issues, what entrepreneurs need more than ever is advice on what works and what doesn't. This year's annual conference of the Cornell Society of Engineers (CSE) April 5-7 on the Cornell campus will attempt to produce some answers, with the theme "Creating Successful Technology-Based Businesses."

Topics to be discussed include funding of venture-backed start-ups, the end of the Internet era, and the latest view from Silicon Valley. Among the speakers will be Cabot Corp. executive Samuel W. Bodman, a Cornell graduate who has been picked by President Bush to be U.S. deputy secretary of commerce.

Sessions are open to the public. Individual sessions are free, but there will be a fee to attend the entire conference. Advance registration is appreciated.

The conference's opening speaker is David Welch (Cornell Ph.D. '85, electrical engineering), chief technical officer of SDL Inc., the Silicon Valley pioneer in semiconductor laser and optoelectronic technology. His talk, "The

emergence of the fiber optic communication system," will be April 5 at 4:30 p.m. in B17 Upson Hall. It will be part of the graduate Engineering Manufacturing Seminars.

Cornell President Hunter Rawlings will welcome conference speakers April 6 at 8:45 a.m. in Barnes Hall. The day's speakers will include James Ricotta ('81 electrical engineering), chief executive of SightPath, on "Founding and funding a venture-backed start-up"; Bodman ('60 chemical engineering), who recently stepped down as chief executive of Cabot and will relinquish his chairmanship in May, on "Engaging the entrepreneurial spirit in a traditional organization"; and Dan Simpkins ('80 electrical engineering), founder of Salix Technologies.

At 1 p.m. in Sage B08, attendees can watch, remotely, John Nesheim ('67 MBA) president of Strategic Enterprise Consulting, giving a talk titled "The Internet era is over: what should we do about that?" broadcast from Stanford University. The talk also will be broadcast to alumni at the Cornell Club in Manhattan. There is limited seating available to watch the talk in Sage Hall.

Panel sessions on April 7, starting at 9:15 a.m. in 101 Phillips Hall, will be preceded by a "state of the college" talk by John Hopcroft, the Joseph Silbert Dean of the Cornell College of Engineering.

Speakers in the morning sessions will include Leila Heckman Robinson ('68 M.S.), managing director at Smith Barney, and Philip Young ('62 M.E.), general partner at US Venture Partners, on "A view from Silicon Valley in the post-bubble environment."

Special events during the conference will include a "Showcase of Technology" in B17 Upson Hall April 6 at 2:30 p.m. Students, alumni and faculty will present their ideas and inventions, followed by a reception.

Registration information is available online at <www.alumni.cornell.edu/cseconf>. The conference is free for students and faculty, but a registration fee is required of alumni and others who plan to participate in the meals and the entire conference.

For further information, contact the CSE office on campus at 255-9920 or at <enr_cse@cornell.edu>.

Nobel Laureate Erwin Neher to give colloquium at CU, March 30

By David Brand

German scientist Erwin Neher, joint winner of the 1991 Nobel Prize in physiology or medicine, will present a special colloquium at Cornell Friday, March 30. It will take place at 12:30 p.m. in Room G10 of the Biotechnology Building, and it is free and open to the public.

The colloquium, jointly sponsored by Cornell's School of Applied and Engineering Physics, the Department of Molecular Biology and Genetics and the graduate field of biophysics, is titled "Exploring the Functional Role of Synaptic Proteins with Rapid Techniques." It will be hosted by Manfred Lindau, Cornell associate professor of applied and engineering physics.

Neher won the Nobel Prize with Bert Sakmann of the Max-Planck-Institute for medical biology in Heidelberg, Germany, for discoveries concerning the function of single ion channels in cells.

Since 1983, Neher has been director of the membrane biophysics department at the Max-Planck-Institute for biophysical chemistry in Göttingen, Germany. He and Sakmann were awarded the Nobel for developing a technique that allows the registration of the incredibly small electrical currents that pass through a single ion channel. The technique is unique in that it records how a single-channel molecule alters its shape and, in that way, controls the flow of current across the membrane of a cell, within a time frame of a few millionths of a second.

Neher and Sakmann conclusively established with their technique that ion channels do exist and how they function. They demonstrated what happens during the opening or closure of an ion channel with a diameter corresponding to that of a single sodium or chloride ion. Many ion channels are regulated by a protein spanning the cell membrane that upon activation alters its shape and forms a transmembrane channel for inorganic ions.

Neher and Sakmann showed which parts of the molecule constitute the "sensor" and the interior wall of the channel. They also showed how the channel regulates the passage of positively or negatively charged ions. This new analytical tool has revolutionized modern biology in the past two decades. It also has contributed to the understanding of how brain cells communicate and of the cellular mechanisms underlying several diseases, including diabetes and cystic fibrosis.

Neher's current research concentrates on presynaptic aspects of neural information flow.



Neher

Flowering of Daffodil Days



Robert Barker/University Photography

From left, at Alpha Tau Omega (ATO) fraternity March 26, President Hunter Rawlings; Paulette Manos, acting Ithaca mayor and member of the Common Council; and Daffodil Days co-chairs from ATO Imad Baggar '01 and Mark Snyder '01 help kick off this week's annual benefit for the American Cancer Society. The local distribution and sale of daffodils for the fund-raiser continues through the weekend.

ILR symposium honors memory of William F. Whyte, April 6

By Franklin Crawford

Cornell's School of Industrial and Labor Relations will hold a symposium in the memory of noted Cornell sociologist William Foote Whyte, Friday, April 6, beginning at 2 p.m. in Room 115 of Ives Hall.

Whyte, a Cornell faculty member from 1948 until his retirement in 1979, died July 16, 2000. The seminar is free and open to the public.

Several Cornell faculty members and visiting scholars will discuss Whyte's influence on the fields of sociology, anthropology and the practice of participatory action research. ILR Dean Edward J. Lawler will provide introductory remarks along with Ann W. Martin, ILR associate dean for extension. Other Cornell speakers will include: Davydd Greenwood, Goldwin Smith Professor of Anthropology; Susanne Bruyere of ILR Extension's Program on Employment and Disability; and Kenneth Reardon, associate professor of city and regional planning, among others. Guest speakers include William Kornblum, professor of sociology at the Graduate Center, City University of New York (CUNY) and chair of the Center for Urban Research; Mel Kohn, professor of



Whyte

sociology at Johns Hopkins University; and Stephen L. Schensul, associate professor in the Department of Community Medicine at the University of Connecticut School of Medicine; The symposium will focus on three themes: "A Mind with No Boundaries," which addresses Whyte's contributions and influence; "Learning from the Field"; and "The Triple Threat Professor," which focuses on the dilemmas of integrating research, teaching and service. These will be followed by discussions to be archived for future dialogue.

Whyte was a specialist in organizational behavior and was regarded, during his career, as America's foremost expert in employee-owned firms. His hands-on research in diverse workplaces—from the oil fields of Oklahoma and the dining rooms of Stouffers to the rural villages of Peru and the Mondragon cooperative complex in Spain—was documented in 17 books.

It was Whyte's career-long, and still-controversial, assertion, that social scientists can maintain objectivity while immersed in the societies they study. Dubbed the "story telling sociologist" by some professional peers who felt his work was not scientific, Whyte's work influenced methodologies in a range of disciplines from anthropology, social psychology and industrial relations to organizational behavior, agricultural development and sociology. His how-to-do-it text was titled *Learning From the Field: A Guide From Experience*. He told his own story and

those of many others in *Participant Observer: An Autobiography*, published in 1994 by the ILR Press at Cornell.

Whyte was born in 1914 in Springfield, Mass., and earned an A.B. in economics from Swarthmore College in 1936, before his research in the Society of Fellows at Harvard University, 1936-40, took him to the streets of Boston. His experience while hanging with Boston's North End gangs as a college student was published in 1943 as *Street Corner Society*. Whyte earned his Ph.D. in sociology in 1943 at the University of Chicago and taught there from 1944 to 1948. Whyte also taught at the University of Oklahoma from 1942 to 1943.

After 1943, Whyte contracted polio and he conducted all of his field research with the aid of braces, crutches and canes. He was not expected to walk, but recovered some use of his legs, thanks in part to an experimental treatment offered in a Boston hospital. His first book, after a year of rehabilitation at the Georgia Warm Springs Foundation, was *Human Relations in the Restaurant Industry* (McGraw Hill, 1948).

As an emeritus professor, Whyte devoted his attention to the extension division of ILR and was a co-founder and later research director of Programs for Employment and Workplace Systems (PEWS).

For more information, contact Theresa Woodhouse, ILR dean's office, 255-5028, or e-mail: <thw3@cornell.edu>.

NAMED PROFESSORSHIPS

The following elections to named positions in the College of Engineering became effective Feb. 1 of this year.

W. Mark Saltzman, professor with indefinite tenure, School of Chemical Engineering, has been named the BP Amoco/H. Laurance Fuller Professor of Chemical Engineering.

Saltzman is a leader in biomedical engineering, noted for developing polymers that can serve as carriers of large organic molecules, including DNA and proteins, to deliver drugs or vaccines with "timed release" over a period of weeks or months. Most recently his research group developed a method of incorporating a protein known as nerve growth factor into tiny particles that can be implanted in the brain as a possible treatment for Alzheimer's disease, along with soluble polymer "scaffolds" on which new cells can grow. He has worked on similar techniques for the delivery of cancer-fighting drugs to tumor sites. Meanwhile, he has developed laboratory methods to simulate living tissue in order to study the mechanisms of drug transport at release sites. The work is described in his book, *Drug Delivery*, which was published in February 2001 by Oxford University Press.

Saltzman graduated from Iowa State University in 1981, received his M.S. degree at Massachusetts Institute of Technology in 1984 and his Ph.D. from MIT and Harvard University, Division of Health Sciences and Technology, in 1987. He is a member of Sigma Xi and a fellow of the American Institute of Medical and Biological Engineers. In 2000, he was presented with the Professional Progress in Engineering Award by Iowa State University.

He has received the Camille and Henry Dreyfus Foundation Teacher-Scholar Award, Distinguished Faculty Award for Excellence in Undergraduate Education, Allan C. Davis Medal as Maryland's outstanding young engineer and the Controlled Release Society Young Investigator Award.

The BP Amoco/H. Laurance Fuller Professorship was established in June 2000 to enable the School of Chemical Engineering to extend its performance in research, teaching and scholarship into new areas. This professorship may be awarded for a set term, or the tenure of the holder, to recognize current faculty or attract new faculty. In this case it is awarded for Saltzman's full tenure.



Saltzman

Harold G. Craighead, professor with indefinite tenure, School of Applied and Engineering Physics, has been named to the Charles W. Lake Jr. Professorship in Productivity.

Craighead received his B.S. degree from the University of Maryland in 1974 and his Ph.D. from Cornell in 1980. He then joined Bell Laboratories as a member of the technical staff, working in device physics research. In 1984 he transferred to Bell Communications Research, where he established and became manager of the Microstructure Science Research Group. He returned to Cornell in 1989 as a professor in applied and engineering physics and as director of the National Nanofabrication Facility (now the Cornell Nanofabrication Facility), until 1995. He served as director of the School of Applied and Engineering Physics from 1998 through 2000 and has been director of the Nanobiotechnology Center since its founding early last year. He is a member of the American Physical Society, the Optical Society of America and the American Vacuum Society.

Craighead's research group focuses on the new science and applications of nanometer-scale devices and structures. Making use of the fact that nanotechnology can create devices with features similar in size to large biological molecules, they have fabricated devices that can measure and manipulate DNA, proteins and other molecules of life. They also study the physics of ultra-small structures and the application of these advances to the fields of optics, magnetism and biology.

The Charles W. Lake Jr. Professorship in Productivity was established in the College of Engineering in 1983 with gifts from Charles W. Lake Jr. and R.R. Donnelly & Sons Corp. to be dedicated to the teaching and development of methods for increasing the quantity and quality of jobs and services available to people. The professorship is to be held by an individual of recognized stature in an area or areas of knowledge that directly relate to modern manufacturing or process engineering. An overriding objective of the Lake Professorship is that the individual educate a continuing flow of Cornell engineers who are both conversant in and committed to the enhancement of manufacturing or process technology.

The incumbent to this chair is Herbert B. Voelcker, who retired on Jan. 1, 2000.



Craighead

Christopher K. Ober, professor with indefinite tenure, Department of Materials Science and Engineering, has been

named the Francis Norwood Bard Professor of Metallurgical Engineering.

Ober earned his B.Sc. degree at the University of Waterloo, Canada, in 1978 and his Ph.D. at the University of Massachusetts-Amherst in 1982. He joined the College of Engineering at Cornell in 1986. He currently is director of the Department of Materials Science and Engineering and is one of the founding faculty members of the Nanobiotechnology Center.

He is recognized internationally as an expert on polymers – substances in which identical molecules join in long repeating macromolecular structures to form useful solid or semi-solid materials. Ober and his group are working on "self-organizing" polymers that arrange themselves into structures using processes similar to those used by living systems. The uses of these materials range from biomedical to microelectronics. For example, he has invented a fluorinated liquid crystal polymer with a surface more water repellent than Teflon. These materials are intended for non-toxic, non-fouling coatings for marine environments. Other studies involve the creation of ordered polymers that are electrically conductive, also known as synthetic metals.

The Francis Norwood Bard Professorship of Metallurgical Engineering was established in 1944 by Francis Norwood Bard '04. Enriching Cornell's metallurgical engineering program was one of Bard's primary goals. His early connection with the steel industry and his experience as an engineering student made him acutely aware of the need for more scientific research and better instruction in the field of metallurgy. His appreciation for this need inspired him to endow this professorship. Bard was president of Barco Manufacturing Co. of Barrington, Ill., for more than 50 years. He also gave the engineering college Bard Hall, dedicated in 1963, in which, incidentally, Ober has his office.

Michael C. Kelley, professor with indefinite tenure, School of Electrical and Computer Engineering, has been named the James A. Friend Family Distinguished Professor of Engineering.

Kelley received his B.S. degree from Kent State University, where he held an athletic scholarship, and his Ph.D. in physics from the University of California-Berkeley. After postdoctoral research at Berkeley, he held a joint appointment with Gerhard Haerendel as a Von Humboldt fellow at the Max-Planck-Institute in Garching, Germany, then came to Cornell in 1975. He was appointed associate dean for professional development in the College of Engineering for a three-year period, beginning in January 1999. He is a fellow of the American Geophysical Union, and in 1979 he won that society's James B. Macelwane Award. Kelley has been a member of the National Academy of Science's Committee on Solar and Space Plasmas; the Management Working Group on Solar Space Plasmas of the NASA Office of Space Science; and the National Science Foundation Advisory Committee on the Atmospheric Research Program. In 1981 he won the Tau Beta Pi-Cornell Society of Engineers award as the outstanding teacher in the Cornell College of Engineering. In 1998 he was named a Stephen H. Weiss Presidential Fellow at Cornell.

Kelley studies the upper atmosphere and near-space regions, using sounding rockets and ground-based radars, including the facilities of the Arecibo Observatory in Puerto Rico, to measure wind and wave patterns from 30 to several hundred kilometers above the surface of the earth. In 1983 he led the NASA Condor project that launched sounding rockets off the coast of Peru, while Cornell personnel manned the Jicamarca radar facility east of Lima to compare radar and rocket measurements. Similar projects were carried out in Greenland, the South Pacific and Puerto Rico. Currently Kelley is chairing a 10-year National Academy of Sciences study of the upper atmosphere from 60 kilometers out to the solar wind.

He also is one of the founders of Academic Excellence Workshops at Cornell, in which students attack problems in physics and mathematics in small collaborative groups.

The James A. Friend Family Distinguished Professorship of Engineering was established in 1980 to be used for the general support of a professorship in the College of Engineering. This professorship is intended to be a senior position in the college.

Kenneth E. Torrance, professor with indefinite tenure, Sibley School of Mechanical and Aerospace Engineering, has been named the Joseph C. Ford Professor.

After receiving his undergraduate, masters and doctoral

degrees from the University of Minnesota, finishing in 1966, Torrance held a joint appointment with the Fire Research Section of the National Bureau of Standards and the Factory Mutual Engineering Corp. in Norwood, Mass. He joined the Cornell faculty in 1968, working both in Mechanical and Aerospace Engineering and the Program of Computer Graphics. During 1974-75, he held a fellowship in the Advanced Study Program at the National Center for Atmospheric Research in Boulder, Colo.

His research focuses on heat transfer, fluid mechanics and computer graphics. Past activities at Cornell include collaborative work in several fields, including combustion, geology, atmospheric sciences, food science, and agricultural, civil and electrical engineering. Current activities focus on the development of highly-realistic synthetic images in computer graphics. The resulting methodology (known as "radiosity") is widely used in computer graphics and remote sensing. Torrance has established a measurement laboratory to study the radiometric properties of surfaces and light sources, testing synthetic computer-generated images against actual photographs.

He is a fellow of the American Society of Mechanical Engineers, a fellow of the American Association for the Advancement of Science and a member of the American Physical Society and the Association for Computing Machinery (ACM). In 1994 he received the ACM SIGGRAPH Computer Graphics Achievement Award. He has been recognized for his teaching with the Engineering Co-op Excellence in Teaching Award, the Dennis G. Shepherd Teaching Prize and the J.P. and Mary Barger '50 Teaching Award from the College of Engineering.

In 1958 the Joseph C. Ford Professorship was established through a bequest under the will of Vera Veerhusen Ford. The endowment provides a distinguished professorship in mechanical engineering, which Mrs. Ford requested be awarded to "persons of the highest competence." The Ford Professorship is dedicated to the memory of Mrs. Ford's husband, a 1911 graduate of Cornell. Joseph Curtis Ford was a manufacturing executive who served as director of Wisconsin Telephone, the First National Bank (Madison) and Ray-O-Vac Co. and was the founder and chairman of the Madison Community Trust.

Wilfried H. Brutsaert, professor with indefinite tenure, School of Civil and Environmental Engineering, has been named the William L. Lewis Professor in Engineering.

Brutsaert received his B.Eng. degree in 1958 at the State University of Ghent, Belgium, and M.S. and Ph.D. at the University of California-Davis in 1960 and 1962, respectively. During sabbaticals and short-term leaves, he has worked at government and university laboratories in New York City, Israel, the Netherlands, Switzerland, Belgium and Japan. He was director of graduate studies of civil engineering at Cornell for several years and currently is a member of the Faculty Senate.

Brutsaert studies hydrology and fluid mechanics in the environment. He has been developing methods to calculate regional evaporation and turbulent heat exchange from natural land surfaces with different types of land cover, using measurements made in the upper atmosphere by balloon-borne radiosondes, radar and sodar and observations from aircraft and satellites. The work is applied in watershed hydrology, climate dynamics with global circulation modeling and environmental monitoring from satellites. He also studies the interaction between rivers and adjacent underground aquifers to predict available water supply and water quality.

Brutsaert is a member of Phi Kappa Phi, a fellow of the American Meteorological Society, a member the National Academy of Engineering, the American Society of Civil Engineers and the International Association of Hydrologic Sciences. He is a fellow of the American Geophysical Union and was president of its Hydrology Section in 1992-1994. He received the Ray K. Linsley Award from the American Institute of Hydrology in 1993 and the American Geophysical Union's Robert E. Horton Award in 1988 and Robert E. Horton Medal in 1999. He was awarded an honorary doctorate by the University of Ghent in 1995 and received the Distinguished Engineering Alumnus Award from the University of California-Davis in 1995.

The William L. Lewis Professorship in Engineering was established in 1979 as a result of a residuary trust created by the will of William L. Lewis, ME '22. Lewis was a longtime employee of IBM, where he rose to the position of vice president for purchasing. In the late 1950s and early 1960s, he was deeply involved with the Cornell Fund and served as National Chairman of Leadership Gifts. He died in 1973.



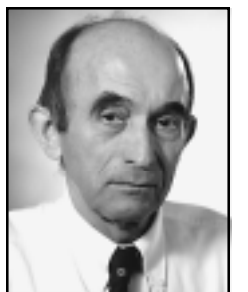
Ober



Torrance



Kelley



Brutsaert

Retirement & Well-Being Study examines transition for older Americans

By Susan Lang

A new publication from the Cornell Retirement and Well-Being Study provides an in-depth look at how older Americans fare through the transition to – and in – retirement.

“Our focus was on the pathways in and out of paid work and unpaid community service, as well as their implications for well-being,” said Phyllis Moen, the principal investigator and a professor of sociology and human development at Cornell. She is the Ferris Family Professor of Life Course Studies and co-director of the Cornell Gerontology Research Institute, which funded the study.



Moen

Unlike most other studies that view retirement as a one-way, one-time exit and have primarily looked at the experiences of men, the study, which has generated more than three dozen scholarly publications, focused on both genders and looked at the retirement process over time. Three waves of interviews with 664 workers and retirees, ages 50 to 72, from six major upstate New York corporations, were conducted every two years over a five-year period, beginning in 1994 and ending in 1999.

The 36-page report, which is free and available to the public, examines the process of retirement from various angles, including the retirement transition, planning for retirement, post-retirement employment, volunteer service and health and well-being. The report includes almost three dozen graphs and tables.

Among its numerous findings:

- Women still tend to have different career patterns from men’s typical continuous, full-time, upwardly mobile career paths. However, women who follow the typical male path are the most likely to experience marital instability.

- The careers of husbands and wives are intertwined. However, men married to “homemaker” wives are more likely to have upwardly mobile careers, while men married to women who have worked full time throughout adulthood are more likely to have downwardly mobile careers.

- The transition to retirement is particularly stressful and tends to have a negative impact on marriages. When only one spouse retires, marital conflict is the greatest. Once both are settled into retirement, however, marital quality rebounds.

- Retirees who volunteer are more likely to have volunteered before retirement. How-

ever, the benefits of volunteering become particularly pronounced in retirement.

- Most retirees wish they had planned more for retirement. Women tend to begin planning later and tend to plan less than men do.

- Retirees report they are “completely satisfied” with life more often than workers still in their primary career jobs.

The study was funded in part by the Cornell Gerontology Research Institute, an Edward R. Roybal Center for Research on Applied Gerontology.

A more detailed publication on older Americans is *Social Integration in the Second Half of Life* (2000, Johns Hopkins University Press), a scholarly book edited by the researchers of the Cornell Gerontology Research Institute.

To obtain a copy of the report, contact Sarah Demo at <sjj4@cornell.edu> or 255-8039, or by fax at 254-2903.

New Kroch Library exhibit shows history of home economics

Experimenting with quick cake mixes, designing a dress, learning to care for babies: These stereotypical images of home economics don’t tell the whole story. In fact, research is showing that home economics was a progressive field that brought science to the farm home and brought women into higher education and leadership positions in public education, academia, government and industry.

In celebration of the centennial of Cornell’s New York State College of Human Ecology, the exhibition “From Domesticity to Modernity: What Was Home Economics?” shows the intellectual history of home economics.

In the university’s Carl A. Kroch Library, from March 30 to Aug. 17, the exhibition examines the historical roots of Cornell’s College of Home Economics from 1900 to 1969, when it was renamed the College of Human Ecology.

The opening reception for the exhibit, which is part of the College of Human Ecology’s centennial weekend, March 30-31, is 4:15 p.m. Friday, March 30, in the Kroch Library. The weekend celebration includes lectures, panel discussions, receptions and much more.

The exhibition is the result of a collaborative effort between Cornell’s Division of Rare and Manuscript Collections and the students in the human development course Archival Research: Exploring the History of Home Economics, taught by Professor Joan Jacobs Brumberg. The students investigated the history of home economics, did extensive hands-on research in the university archives and provided the text for the exhibit. Their reports and recommendations on visual material were instrumental in generating the exhibition web site, <<http://rnc.library.cornell.edu/homeEc/>>.

The exhibit shows how the home economics program at Cornell provided women with access to higher education in such fields as consumer economics, textiles, nutrition, child development and institution management.

The early 20th century home economists were pioneers and reformers who opened up new professional paths for women, brought science to the American home and elevated the standard of living, according to Eileen Keating, curator for the exhibit and the university records manager at the



Nicola Kountoupes/University Photography

Preparing the home economics exhibit in Kroch Library last week are, from left, Joan Jacobs Brumberg, professor of human development and Stephen Weiss Presidential Fellow; Eileen Keating, curator for the exhibit and the university records manager in the Division of Rare and Manuscript Collections; and undergraduates Alison Louie ’01 and Chris Payne ’02.

Division of Rare and Manuscript Collections, who worked with the students researching the project.

The exhibit depicts how at the turn of the 20th century, home economics was a critical pathway into higher education for American women, largely associated with co-educational land-grant institutions such as Cornell. From its inception, collegiate home economics was multidisciplinary and integrative, with an emphasis on science applied to the real world of the home, families and communities, said Brumberg.

The exhibit also shows how in the early decades of the 20th century, home economists had links to the revitalization of agriculture and rural communities, but also to Progressive Era programs in cities. By the 1920s, home

economists at Cornell were best known for research in human nutrition and child development, but their work in fields such as fiber science, design and consumer economics made them central to the growth of the consumer economy, as well.

Many of the early photographs of the home economics program at Cornell may be viewed on the web at: <<http://rnc.library.cornell.edu/eDB-HEphotos/>>.

The college’s centennial celebration begins at noon on Friday, March 30, and concludes at 12:15 p.m. Saturday, March 31. For more details about the celebration weekend, see <<http://www.news.cornell.edu/releases/March01/HE.centenn.ssl.html>> or contact Gret Atkin at <gla2@cornell.edu>.

Human Ecology celebration includes exhibitions focusing on clothing, art

By Susan Lang

Four clothing, textile and art exhibits are coinciding with the centennial celebration for Cornell’s College of Human Ecology this coming weekend, March 30-31.

One exhibit, which focuses on fashions of the 20th century and their interactions with art, is paired with a show of contemporary works of art in which clothing and dress are the subject matter; both are in the university’s Herbert F. Johnson Museum of Art. The third exhibit, featuring children’s clothing, is in the Cornell Costume and Textile Collection Gallery (on the third floor of Martha Van Rensselaer Hall). All three exhibits coincide with the centennial celebration this week but will remain up until June 17.

“Common Threads: Dress, Identity and Art in the Twentieth Century” is curated by

Charlotte Jirousek, associate professor of textiles and apparel and the curator of the Cornell Costume and Textile Collection. “This show focuses on how dress has reflected social and cultural changes over the course of the past century and how fashion has been influenced by the world of art,” said Jirousek.

She has included selections from the collections of the Johnson Art Museum to show how changes in fashion and art interacted and reflected transformations in gender roles and social identity throughout the 20th century. Jirousek will give a gallery talk on the exhibit from 3 to 4 p.m. Saturday, March 31, at the Johnson Museum.

The second exhibition, “Uncommon Threads: Contemporary Artists and Clothing,” curated by Sean Ulmer, the Johnson Museum of Art’s curator for paintings and

Continued on page 6



Charles Harrington/University Photography

Charlotte Jirousek, professor of textiles and apparel, shows part of the “Common Threads: Dress, Identity and Art in the Twentieth Century” exhibit in the Johnson Museum. Jirousek curated the exhibit, which will be on display through June 17.

Show and tell in D.C.



Esther Baker

From left, Betsy Bihn, Cornell extension support specialist in food science; Barbara Cowdery, Cornell CARET (Council on Agriculture, Research, Extension and Teaching) delegate; Dianne Miller, legislative director in the office of U.S. Rep. Maurice D. Hinchey; and Rui-Hai Liu, Cornell assistant professor of food science, stand in front of Liu's exhibit at the National Association of State Universities and Land Grant Colleges' Agriculture Science Exhibition in the Rayburn House Office Building in Washington, D.C., March 6. The exhibit was titled "An Apple a Day May Keep Cancer at Bay," based on Liu's and Cornell Professor Chang Yong Lee's research on the dietary health benefits of apples.

Analysis links welfare reform and family violence

By Susan Lang

One of the hidden costs of welfare reform, both at the federal and state levels, is addressed in a new study by a Cornell researcher. The study found that the marginally employed – people whose low pay makes them eligible for welfare payments – are almost four times more likely to be violent with their families than workers not on welfare or even than other unemployed workers.

The study also found that unemployed individuals who use alcohol to excess are at greater risk of committing family violence than the employed who abuse alcohol or nondrinkers, with the greatest risk among employed welfare recipients.

Race and ethnicity were not found to be significant in predicting family violence, when other factors were controlled in the analysis. Partnership stability, having a physical or mental limitation which could restrict the ability to hold a job or a previous history of alcohol abuse were also not significant.

In a paper published in the March issue of the *Journal of Epidemiology and Community Health* (Vol. 55, No. 3), Eunice Rodriguez, an assistant professor in Cornell's Department of Policy Analysis and Management, said her analysis indicates that marginal employment coupled with welfare are a very significant factor in family violence. However, she said, unemployment on its own, appears to have no effect on the likelihood of family violence, when alcohol abuse, income, education, age and other factors are taken into account.

The research article was selected as one of the best papers from the BMJ Publishing Group journals and will be reprinted in the *Western Journal of Medicine* in May. Rodriguez, an epidemiologist who studies the role of social supports on unemployment and marginal employment, previously presented her research at the International Conference on Research for Social Work Practice in Miami in 1998.

Welfare reform, passed by Congress in 1996, instituted

policies that emphasize job placement and requirements that welfare recipients work in many cases. Rodriguez said that evidence indicates that welfare reform accounts for 44 percent of the employment rate gain from 1992 to 1996.

Rodriguez collaborated with Kathryn Lash and Jennifer Lee of the New England Medical Center and Pinky Chandra, now a consultant with the Cornell Institute for Social and Economic Research. They analyzed data on 4,780 married or cohabiting individuals who were in both the 1987 and the 1992 National Survey of Families and Households. In 1987 the subjects were older than 16, and still working. By 1992 they were still in a relationship.

Rodriguez said the study sought to disentangle the effects of employment, unemployment, partnership instability and alcohol use/abuse in the risk of domestic violence.

One explanation for the increased risk of family violence among working welfare recipients is the additional stress of working in low-skill jobs while coping with poverty and childcare, Rodriguez speculates. Job conditions, low job security and the stigma of receiving welfare could also contribute to this relationship, she said. The number of children in a family also increases the likelihood of violent family arguments, the study found.

She notes that an increase in female employment tends to foster different forms of relationships for women, which may generate tensions that could increase the likelihood of marital violence. "This is particularly relevant given our fast-changing economy and increasing employment demands on young parents, including those receiving welfare benefits," she said.

"In any event, we have identified a group that is particularly at risk for family violence. As a result, we think it is critical to monitor the impact of welfare reform on family violence," Rodriguez said.

The study was supported, in part, by the Cornell Agricultural Experiment Station via a Hatch Grant from the U.S. Department of Agriculture.

Textiles exhibit *continued from page 5*

sculpture, is an invitational exhibition of contemporary artists who incorporate clothing in their conception and/or construction of works of art.

"Clothing and its reference to the absent body have been a topic of increasing artistic interest over the last quarter century," said Ulmer. "In the past decade, however, it has seen new and innovative dimensions. This exhibition will present approximately 40 objects dating from the 1990s and will give a general overview of the ideas that surfaced during this decade." Ulmer will give a gallery talk on the exhibit from 4 to 5 p.m. Saturday, March 31, at the Johnson Museum. A reception for both Johnson Museum exhibits is at 5 p.m.

The third exhibition is "Little Threads: Children's Costume in the Cornell Costume and Textile Collection." This

exhibition, which is located at the east end of the third floor of MVR Hall, traces the relationship of children's dress to our culture's expectations for children's lives, from infancy through the various passages and activities of childhood. The exhibition, conceived and designed by Susan Greene, a visiting fellow in the Department of Textiles and Apparel, was a learning opportunity for students in the course, Human Development 241, History of Childhood, who participated in an interdepartmental research project based on, and incorporated into, the exhibition.

A fourth exhibit is "American Dresses 1780-1900: Identification and Significance of 148 Extant Dresses." This photograph exhibit is on display in 114 MVR Hall at the east end of the old wing of the building.

CU expert: Carpets in schools benefit indoor air quality

By Susan Lang

Carpets in schools can help the quality of indoor air by trapping contaminants and allergens, says a Cornell indoor environmental expert.

The findings run counter to growing concerns of some doctors, parents and schools that carpeting might be affecting some children's health by compromising schools' indoor air quality (IAQ).

"Concerns that carpeting in schools is contributing to an increase in respiratory problems, allergies and asthma in schools are unfounded," said Alan Hedge, professor of



Hedge

design and environmental analysis at Cornell. "As long as schools keep floors clean and use high-efficiency microfiltration vacuum bags, carpets can be a healthy, safe and economical floor covering in schools and day-care centers. Microfiltration bags will trap very small particles, such as dust mites and feces, so that these will not become airborne."

Exposure to dust-mite allergens, mainly from mite feces, can trigger asthma attacks in about 40 percent of asthmatic children, but this allergen is rare in schools. Asthma afflicts about 4 million American children and is one of the leading causes of childhood hospitalization and school absenteeism.

Hedge presented his findings at the annual meeting of the Council of Education Facility Planners International in Orlando, Fla., recently.

Carpeting, he reports, can improve IAQ because it captures and holds dirt, contaminants and allergens that would otherwise become airborne. These substances are readily and effectively removed by vacuuming with the high-efficiency bags. Synthetic carpets are better than wool, Hedge says, because their fibers' electrical charges attract potential contaminants.

"Also, modern carpeting that sports the green IAQ testing label can help to improve air quality because these carpets emit less chemical contamination into the air than many types of vinyl-based floor products do," said Hedge. Carpeting, he said, also can improve classroom acoustics and promote child safety by protecting against slips and falls.

Hedge researched the health effects of carpets in the wake of proposals by some school districts to ban carpets in schools. In Florida and Vermont, for example, some allergists advised school districts that carpets were contributing to asthma and other respiratory problems in children. Mite-allergen exposure, Hedge said, is most likely to occur not from carpets but from pillows, bedding, mattresses, sofas and clothing, all of which come into closer contact with the face for longer periods of time. A typical mattress has at least twice as many mites per gram of dust than does a heavily contaminated carpet. Keeping the humidity level around 50 percent, keeping the carpet regularly vacuumed and, as an added precaution, occasionally using an acaricide (mite-killing) powder, controls mites in carpets.

"Although there can be thousands of dust mites and their droppings in a carpet, these allergens do not become airborne as easily as they do over smooth floors or from mattresses and bedding, except during vacuuming, if the vacuum doesn't have a good filter bag. However, even within 20 minutes after regular vacuuming of a contaminated carpet, dust-mite allergens cannot be detected in the air because they are so heavy, they have sunk to the ground. And if microfiltration bags are used, the best of which also have electrostatic liners, or if a vacuum cleaner with a HEPA filter is used, the allergens are efficiently removed before becoming airborne even during vacuuming," Hedge said.

He points out that Sweden, which banned carpeting in schools in the late 1980s, has experienced skyrocketing childhood asthma rates ever since, contrary to expectations. Research studies suggest many reasons for this, including children who are genetically predisposed to developing asthma becoming allergic to other allergens, especially from cats and dogs.

In addition, Hedge said, "Carpets eliminate slip hazards, reduce the severity of falls and provide a more comfortable surface to stand, walk and sit on. Carpeting improves the acoustics in a classroom by minimizing impact noise and reducing reverberating sounds, and this reduces background noise that can interfere with children's learning and increase stress."

The best design solution for classrooms, Hedge said, is to combine the strengths and benefits of carpeting for areas under desks and where sitting and teaching activities occur but to use smooth floorings around wet sink areas and boot/shoe storage.

But, said Hedge, "Whatever the floor covering, it's critical that it be kept clean and dry to eliminate any IAQ risks from biological contaminants such as bacteria, fungi and dust mites."

William Fry is named senior associate dean in Ag and Life Sciences

William E. Fry, Cornell professor of plant pathology, has been named senior associate dean in the university's New York State College of Agriculture and Life Sciences. The appointment will take effect in June.



Fry

Fry succeeds Associate Dean Brian L.

Chabot, who will return to teaching. Chabot, a faculty member of the Department of Ecology and Evolutionary Biology, will establish a new research program in agricultural ecosystems and invasive plant species, in addition to teaching courses on the environment.

Fry graduated with a bachelor's degree in chemistry, with high honors, from Nebraska Wesleyan University, Lincoln, Neb., in 1966. He earned his doctorate in plant pathology from Cornell in 1970. Fry became an assistant professor in the biology department at

Central Connecticut State University, New Britain, Conn., in 1970. He joined the Cornell faculty in 1971 as an assistant professor of plant pathology and became an associate professor in 1977 and a professor in 1984. He chaired Cornell's plant pathology department from 1981 to 1995.

Fry has been a member of the American Phytopathological Society, a group devoted to the study of plant pathology, for more than 30 years, and he was elected a fellow in 1990. In 1995-96, he served as president

of the society. He currently is a member of the American Association for the Advancement of Science, the British Society of Plant Pathologists and the Potato Association of America.

He will continue to conduct research into potato late blight. For nearly his entire professional career, he has been tracking the virulent *Phytophthora infestans*, the fungal-like pathogen that caused the Irish potato famine.

Fry also is a faculty-elected member of the Cornell Board of Trustees.

Facility dedicated at Vet College



Robert Barker/University Photography

The new Core Transgenic Mouse Facility at the College of Veterinary Medicine, a 12,000-square-foot universitywide center for the breeding of transgenic mice for research, was dedicated March 26. Flanked by Vet College Dean Donald F. Smith, left, and President Hunter Rawlings, Michael Kotlikoff, chair of the Department of Biomedical Sciences and director of the mouse facility, speaks about the benefits the new facility will bring for groundbreaking research at Cornell and for providing the best undergraduate, graduate and professional training in biology.

BTI virologist leaves for Mississippi State biotechnology institute

Insect virologist H. Alan Wood, for three decades a researcher at the Boyce Thompson Institute (BTI) for Plant Research Inc., located at Cornell, has been named the director of the new Life Sciences and Biotechnology Institute at Mississippi State University.



Wood

"Alan has had a productive and distinctive career at BTI for more than 32 years, with his research spanning several areas from fungal and insect viruses to fundamental studies of glycosylation by insect cells," said Daniel F. Klessig, president and chief executive of BTI. "He has contributed to the institute in many ways, including through his service on numerous committees, such as the original building committee responsible for designing our facility, and several search committees that have helped to shape our research directions."

The organizational structure for the new institute at Mississippi State originated from a report written by Ralph Hardy, a former BTI president, and Allan Eaglesham, a former BTI plant physiologist.

In addition to being a senior scientist at BTI, Wood served as an adjunct professor of entomology at Cornell. He participated in the planning of the Cornell Biotechnology Institute, the Cornell Center for the Environment and the university Recombinant DNA Committee, which he had chaired. During his career at BTI, Wood conducted genetic research for use in agriculture and was appointed by Dan Glickman, the former U.S. secretary of agriculture, to serve on the U.S. Department of Agriculture's Agricultural Biotechnology Research Advisory Committee. His work at BTI yielded several patents and more than 100 publications.

Conference to honor late professor of Russian and comparative literature

By Franklin Crawford

George Gibian, the Goldwin Smith Professor of Russian Literature and Comparative Literature, was still an active member of the Cornell faculty when he died in October 1999. In April, former students and colleagues will honor Gibian's memory with a conference titled "Cosmopolitan Crossings: Contacts and Connections Across Cultures and Disciplines," sponsored by the departments of Russian and of Comparative Literature at Cornell.

Events will be held April 6-7, beginning at 2 p.m. Friday, April 6, in the A.D. White House and continuing there Saturday, April 7, at 10 a.m., before shifting to the Carl A. Kroch Library at 1:30 p.m. and concluding at 3:30 p.m. with a concert in Lincoln Hall. All events are free and open to the public.

Gibian joined the Department of Russian Literature at Cornell in 1961. He was chair of the department from 1963 to 1973, acting chair from 1978 to 1982 and chair of the Committee on Soviet Studies from 1966 to

1969 and again from 1981 to 1982. Gibian wrote several books, including: *Tolstoy and Shakespeare (1957)*; *The Interval of Freedom: Soviet Literature During the Thaw, 1954 to 1957 (1960)*; and *Russia's Lost Literature of the Absurd: A Literary Discovery (1971)*. In addition, he edited several Russian classics for the W.W. Norton series, among them these critical editions: *Dostoevsky's Crime and Punishment*, *Tolstoy's War and Peace* and *Anna Karenina* and Gogol's *Dead Souls*. In all, he edited 20 books and published 90 articles, was a major translator of Russian dramatists of the absurd and also of the works of Jaroslav Seifert, the Czech Nobel Prize-winning poet.

Conference speakers will be former students of Gibian who went on to distinguish themselves in various academic fields. They will include guest University Lecturer Thomas Seifrid, Ph.D. '84 (see accompanying article below).

Here is a complete conference program:

- Friday, April 6, Guerlac Room, A.D. White House:

- 2 p.m.: Peter Gibian, associate professor of English, McGill University: "A Traveling Culture": Cosmopolitanism in Nineteenth-Century American Literature."

- 3 p.m.: University Lecture (see accompanying article for full details) by Thomas Seifrid, associate professor of Slavic languages and literatures, University of Southern California, on "Roman Jakobson's Sculptural Myth."

- 4:30 p.m.: Reception.

- Saturday, April 7, Guerlac Room, A.D. White House:

- 10 a.m.: Richard Weisberg, the Walter Floersheimer Professor of Constitutional Law, Cardozo School of Law, "More on the Examining Magistrate in Dostoevski and Malamud."

- 11:15 a.m.: Caryl Emerson, A. Watson Armour III Professor of Slavic Languages and Literatures and Comparative Literature, Princeton University, "Again on Shakespeare, Pushkin, Boris Godunov, and Measure for Measure."

- 12:30 p.m.: Buffet lunch

- 1:30 p.m.: Exhibit in the Kroch Library Rare and Manuscript Collections, Level B.

- 2 p.m.: Lecture in 2B Kroch Library: Louise Shelley, director of the Transnational Crime and Corruption Center, American University, "Trafficking in Human Beings: Russian Organized Crime in Comparative Perspective."

- 3:30 p.m.: Musical performance in rehearsal hall B-20, Lincoln Hall: Caryl Emerson, Princeton University: Musorgsky, *Three Songs and Dances of Death*; Sterling Beckwith, professor of music and humanities, York University, with Graeme Bailey, professor of computer science, Cornell, piano accompaniment, Shostakovich's *Four Pushkin Monologues*, opus 91.

Co-sponsors for the conference include the European Studies Program, the Einaudi Center for International Studies, the Society for the Humanities, the John S. Knight Institute for Writing in the Disciplines, the University Lectures Committee and the Kroch Library Rare and Manuscript Collections.

Expert on Russian literature and cultural studies will give lecture on April 6

Thomas Seifrid, a leading scholar of Russian literature and cultural studies, will present a University Lecture April 6 at 3 p.m. in the Guerlac Room in the A.D. White House.

The title of Seifrid's lecture will be "Roman Jakobson's Structural Myth," and it is free and open to the public. It is part of a two-day conference at Cornell in memory of Seifrid's mentor, George Gibian, the late professor of Russian and comparative literature, who died in 1999. Seifrid, associate professor of Slavic languages and literatures at the University of Southern California, received his doctorate in Russian literature at Cornell in 1984, with a dissertation

written under Gibian's direction.

Having studied at Cornell in the fields of Russian literature and history and Slavic linguistics, his dissertation on the fiction of a master of socialist realism, Andrei Platonov, was subsequently published in revised and augmented form in 1992 by Cambridge University Press as *Andrei Platonov: Uncertainties of Spirit*. It was one of five finalists for the annual Scholarly Book Award of the American Association of Teachers of Slavic and East European Languages.

Seifrid's current major book-length project focuses on Russian philosophies of language from 1850 to 1950 and

particularly on ways in which the latter stimulated other broader concerns in philosophy, theology, linguistics and poetry. One of the key figures in Seifrid's project is Jakobson (1896-1982), the highly influential theorist of the Prague Linguistic Circle.

A graduate of the University of Montana (1978) with a B.S., Seifrid earned his both his M.A. (in 1981 in Slavic studies) and his Ph.D. at Cornell.

University Lecturers are selected from nominations made to the University Lectures Committee, which is composed of faculty and students.

CU researchers' study shows Americans aren't as nice as they think

By Roger Segelken

Most people are better judges of other people's moral character than they are of their own.

Experiments conducted at Cornell and reported in the *Journal of Personality and Social Psychology* (Vol. 79, No. 6) found many people making an error in self-assessment. Participants in the survey consistently tended to overestimate their own generosity, but actually were quite accurate when predicting the generous behavior of others, according to Nicholas Epley, a graduate student of psychology, and David Dunning, a professor of psychology in the College of Arts and Sciences.

"Most people are overly optimistic about themselves," Dunning said. "As it turns out, we don't know as much about our own moral nature as we know about others'."

It has long been known – both in psychological research and in everyday life – that people commonly feel "holier than thou," believing that they are more moral, kind and altruistic than the typical person, the psychology professor said.

"We knew something had to be wrong when the average person thinks he or she's a better person than the average person, when the majority of Americans consider themselves to be members of an elite moral minority," said Epley, who conducted a series of revealing experiments about subjects' perception versus the reality of their moral behavior. "We wanted to know whether people feel holier than thou because they underestimate others' moral goodness, or because they overestimate their own." (See brief descriptions of the experiments, below).

Each experiment asked college students at Cornell to predict how they would behave when faced with one of several moral dilemmas, and to make the same predictions for their peers. Again and again, people predicted that they would be more generous and kind than others. Yet when the time came to put their money where their mouths were, most kept their wallet in their pockets.

This inaccuracy in self-prediction was matched by an impressive ability in predicting how other people would respond to the same morality moments. In psychological terms, the experimental subjects were successfully anticipating the base rate of moral behavior and accurately predicting how often others, in general, would be self-sacrificing.

The problem is that people don't use their wisdom about others to successfully predict their own actions, Dunning noted. "Even when we know that other people will be selfish, we think we're special, that the rules don't apply to us," Dunning explained.

For example, in one study students said they would donate roughly half of their \$5 fee for participating in the experiment to charity, if given a chance, but that other students on average would donate only about \$1.80. When students were actually given a chance to donate



Dunning

'We wanted to know whether people feel holier than thou because they underestimate others' moral goodness, or because they overestimate their own.'

— David Dunning, professor of psychology

their fee, the average donation was only \$1.53.

In another particularly telling experiment, students were given the choice of performing an onerous, time-consuming task themselves or assigning the work to someone else. The "someone" in some cases was another college student and, in others, a 10-year-old girl who presumably would have great difficulty with the task.

Many students predicted they would take on the onerous task themselves, particularly when the other person was a little girl. However, most students facing an actual decision chose the easier job for themselves and were just as likely to do so whether they were assigning the difficult task to another college student or to the youngster.

"The only thing they were responding to was self-interest," Epley said. "Whether they were dealing with another college student or a little girl made no difference."

The "holier than thou" experiment was supported by a grant from the U.S. National Institute of Mental Health for studies of human capacity for self-insight.

A total of \$19.89 was actually donated to charities from the experiment asking subjects to predict how much of their participation fee they would give to the needy. Had the subjects followed through with their good intentions, the charities would have received \$31.72.

Brief descriptions of experiments

• **Daffodil Days:** How many daffodils would you buy to help the American Cancer Society? What percentage of your peers will buy flowers for charity and how many, on average, will each buy? These questions were asked of some 250 students in a psychology course five weeks before the annual Daffodil Days on campus.

More than eight out of 10 students polled said they would buy flowers (on average, two flowers each) but they expected that their peers would not be as generous, predicting 56 percent would buy (an average of 1.5 flowers apiece). Three days after the daffodil sale, the same students were asked: How many charity flowers did you actually buy? Only 43 percent had helped the cancer society, buying, on average, 1.2 flowers each. The students had greatly overestimated their own kindness, but they were reasonably good at predicting the kindness of others.

• **A Saint's Dilemma:** Playing the "prisoner's dilemma" game, 97 Cornell undergraduates were told the rules and asked to predict how each of them and how a

fellow (but unseen) "prisoner" would respond. In the game, undergraduates could choose to cooperate with another person, in which case both would receive equal amounts of money, or choose to "defect," giving them a chance to gain a lot of money, while the other person would receive nothing.

Despite the potential big payoff for a selfish decision, 84 percent of the students predicted they would cooperate so that they and their partners could receive equal amounts of money. The same students expected only 64 percent of their peers would be as cooperative. Again, they were wrong about themselves and nearly right about their peers. Sixty-one percent of an equivalent group actually cooperated when playing the game for real.

• **Can You Spare a Dime?** Thirty-eight high school and college students attending Cornell's summer session were paid five \$1 bills each for participating in a fictitious psychology experiment, but the psychologists were more interested in the students' generosity with their payments. Students were asked to predict how much of their payment they and their peers would donate to charity. An equivalent group of subjects were given a real opportunity to donate their money to charity, anonymously, by placing money in sealed envelopes.

If all the well-intentioned experimental subjects had lived up to their plans, charities would have received \$2.44, on average, from each student. If the predictions of peer generosity had come true, each student would have donated an average of \$1.83. When the envelopes were opened, they contained, on average, \$1.53 per subject.

• **Can You Spare the Time?** In a more complicated study designed to see how well people anticipate the impact of self-interest and moral concerns on their behavior versus that of others, a total of 61 Cornell undergraduates were offered several options: They could selflessly accept a time-consuming task themselves and assign a less burdensome job to another person, or they could selfishly choose the short task for themselves. To examine how much self-interest influenced their choices, the onerous task in one condition was only slightly longer than the alternative, but in the other condition it was substantially longer. To make moral concerns either more or less salient, participants in one condition believed the other person was a random college student and in another condition that the person was a 10-year-old.

Once again, the participants erroneously thought they would behave more admirably than they actually did, and again were reasonably close when predicting the behavior of others. Participants predicted that they would be less influenced by self-interest and more by moral concerns than others. Indeed, for self-predictions, subjects stated that they would be influenced only by moral concerns (for example, if the other person was a college student or a little girl). In fact, when given an actual choice, only self-interest mattered. Only the length of the onerous task made any difference in people's actual choice.

e-Moo *continued from page 1*

provide data on product stability, nutritional efficacy and the modifications to standard milk processing equipment for production. "They wanted folks with experience – and we helped turn this concept into a product," said Hotchkiss, who has been working with the company and Eric Hallstead, manager of the Cornell food science department's pilot plant, for about a year.

St. Albans Cooperative Creamery Inc. of St. Albans, Vt., a consortium of nearly 600 dairy farmers from Vermont, New York, New Hampshire and Massachusetts, provided the initial funding for the development of e-Moo. In addition to the carbonation, Cornell and Mac Farms tested a variety of flavors to add to the product. Initially e-Moo will come to the market in three flavors: Orange Cremecicle, Cookies and Cream and Fudge Brownie. The product contains all the nutrition of non-fat milk with added calcium and only half the sodium found in other flavored milks. Named for the Internet world that children live in, said Clark, e-Moo is sweetened with fructose instead of refined sugar.

Said Hotchkiss: "If there is a salvation for the fluid milk business, which has been on an economic downslide, it is making a beverage with milk components. And this could be one successful product."



Mary Ann Clark, of Mac Farms, who worked with Cornell food scientists on the development of e-Moo, talks with Associated Press writer Bill Kates and *Cornell Magazine's* Diane Lloyd in the food science department's pilot plant March 20.

Frank DiMeo/University Photography

Schwartz Center announces its 2001-2002 seasons

The Sheila W. and Richard J. Schwartz Center for the Performing Arts, formerly the Cornell Center for Theatre Arts, has announced its dynamic new theater and dance seasons.

The 2001-2002 theater season starts off steamy and ends up side-splittingly silly as the center's talented actors embody the works of Tennessee Williams, William Shakespeare and Thornton Wilder, among others.

Season subscriptions are now on sale at the Schwartz Center Box Office (open weekdays 12:30-5:30 p.m.) or by calling 254-ARTS. Prices are \$35 for students and seniors and \$45 for the general public.

The fall 2001 opener brings the South alive on the proscenium stage with Tennessee Williams' *Cat on a Hot Tin Roof*. This play is a Pulitzer Prize-winning portrait of a family's frantic battle to claim money and power. *Cat on a Hot Tin Roof* runs September 20-29 in the Kiplinger Theatre.

Cornell theater is hosting the regional premiere of *The Rez Sisters*, Oct. 24-Nov. 4. Native American playwright Tomson Highway provides a powerful portrayal of seven "rez sisters" who attempt to beat all the odds by winning at bingo. Native American director and Cornell alumnus Randy Reinholz will direct this honest look into the lives of contemporary Indian women.

Next, the exquisite late romance by Shakespeare, *The Winter's Tale*, claims the stage. This magical play sparkles with the Bard's eloquence. This winter's tale appropriately is being performed Nov. 15-Dec. 1.

The center's Black Box Theatre will be the setting for Samuel Beckett's *Waiting for Godot*. The innovative classic that stunned theatregoers when it first was staged in 1953, follows two tramps/clowns who sing, dance, joke and argue their way toward the ultimate meaning (or meaninglessness) of human existence. Renowned director Richard Schechner lends his expertise to this play to be performed Jan. 30-Feb. 10, 2002.

The Schwartz Center continues its theatre season with a play that helped define the rebellious counterculture of the 1960s. Based on the celebrated Ken Kesey novel and made popular by a movie starring Jack Nicholson, *One Flew Over the Cuckoo's Nest* will delight audiences Feb. 13-23, 2002.

Concluding the season, April 25-May 4, 2002, is Thornton Wilder's *The Matchmaker*. The story, which served as the inspi-



Robert Whitman

Dancers from the much-sought-after Bill T. Jones/Arnie Zane Dance Company perform one of their athletic and graceful dance pieces. The troupe will perform at the Schwartz Center March 26-27, 2002, as part of next season's Cornell Dance Series, which has subscriptions available now.

ration for the musical *Hello, Dolly!*, is a hilarious and complicated farce based on the pursuit of the perfect love match.

Early season subscribers will receive a free Cornell tote bag while supplies last. Pick up season subscription forms at the Schwartz Center or call 254-ARTS to have one mailed. Online subscriptions also are available at <www.arts.cornell.edu/theatrearts>.

2001-2002 Dance Series opens Oct. 4

Dance from different cultures and varying styles will be highlighted on the Cornell stage next season. The Schwartz Center will be the site for traditional Indian dance as well as magnificent modern performances.

The 2001-2002 Dance Series opens Oct. 4 with a one-evening-only opportunity to see the American Indian Dance Theatre. An integrated company of dancers, singers, and musicians from various tribes, the American Indian Dance Theatre has received international acclaim for its spectacular staging of traditional Native American dance and ritual ceremonies, as well as contemporary pieces reflecting the spirituality of Native peoples.

The Cornell Dance Series continues with

Dance Concert 2002 and the chance to see original choreography by the talented dance students and faculty at Cornell. Rich costumes and settings, fresh and flawless dancing, and ingenious music and movement combine for an exuberant evening of dance. Performances are March 7-10, 2002.

The Cornell Department of Theatre, Film and Dance teams up with the Department of Music to host performances by the Bill T. Jones/Arnie Zane Dance Company March 26-27, 2002. One of the world's most sought-after dance troupes, Bill T. Jones/Arnie Zane's choreography has been termed a "glory of American dance."

Discounts are available for dance events by purchasing early through subscription sales. Dance season subscriptions are on sale at the Schwartz Center Box Office, weekdays, 12:30-5:30 p.m. A subscription for all three dance events is \$57 for the general public and \$48 for students and seniors. A subscription for Dance Concert 2002 and one of the visiting companies is \$35 for the general public and \$28 for students and seniors. For season subscriptions, call the box office at 254-ARTS or subscribe online at <www.arts.cornell.edu/theatrearts>.

Conservationist Norman Myers will give six April lectures

Norman Myers, noted conservationist and consultant on environment and development, will present six Cornell Messenger Lectures in April, under the general title "Environmental and Conservation: Issues for the New Millennium."

Known for his pioneering research and political activism as well as being an engaging speaker, Myers has lectured at more than 100 universities across North America. He holds several visiting professorships at universities in Europe and in the United States. He was a distinguished lecturer in natural resources at Cornell in 1988 and an A.D. White Professor-at-Large from 1990 to 1996.

An interdisciplinary analyst, he is credited as being among the first scientists to alert the global community to environmental security, tropical deforestation, economics of wildlife and mass extinction of species. He has served as a consultant on projects for research organizations, governments and development agencies, such as the U.S. National Academy of Sciences, the Soviet Academy of Sciences, the White House and the U.S. departments of State and Energy, the World Bank, the United Nations, NASA, the European Commission and the Rockefeller and Ford foundations.

The titles and dates of Myers' lectures are:

- "Our Environmental Crisis: The Roles of Population and Consumption," Tuesday, April 3, 4:45 p.m. in 135 Emerson Hall.
- "Our Environmental Challenges: Some Action Responses," April 4, 4 p.m. in Kaufmann Auditorium of Goldwin Smith Hall.
- "Biodiversity Hotspots and Tropical Forests," April 5, noon, 135 Emerson.
- "Future Evolution," April 10, 4 p.m., B45 Warren Hall.
- "Perverse Subsidies," April 11, 2 p.m., 135 Emerson.
- "Institutional Roadblocks," April 12, 2 p.m., B45 Warren Hall.

The Cornell Messenger Lecture series was established in 1924 by a gift from Hiram Messenger, an 1880 graduate and longtime teacher of mathematics. The series brings to Cornell some of the world's leading scholars and public figures.

Reza Pahlavi to speak on campus April 4

Reza Pahlavi, the elder son of Mohammad Reza Pahlavi, the late Shah of Iran, will give a talk titled "Human Rights, Democratization and the Secular Movement in Iran," at 6 p.m. Wednesday, April 4, in Schwartz Auditorium of Rockefeller Hall. The talk is sponsored by the Cornell Institute for Public Affairs (CIPA) and is free and open to the public.

A graduate in political science of the University of Southern California, Pahlavi left Iran in the summer of 1978 to complete his Air Force training at the former Reese Air Force base in Lubbock, Texas. He has lived in Egypt and Morocco and, since 1984, he has resided in the United States.

Pahlavi is an outspoken critic of the fundamentalist Islamic regime in Iran that forced his father from the throne in 1979. In comments to the French Press Club in Paris earlier this month, Pahlavi called for an end to the 22-year-long rule of his homeland by Islamic clerics, whose regime, he said, has "brutally suppressed fundamental human rights within Iran" and turned the country into "the leading exporter of hate and terror beyond its borders."

The talk is co-sponsored by the Iranian Students Organization, the Department of Near Eastern Studies, the International Students Programming Board, the office of Professor Theodore Lowi, the departments of Government and of Sociology, and the committee for Comparative Muslim Societies.

Rail dreams



Nicola Kountoupes/University Photography

Seth Newton, 2, has his eye on the Lionel train layout at the Cornell Railroad Historical Society's Railfair, March 24, at the New York State Armory on Hanshaw Road. Seth attended the annual event with his dad, Tim Newton '00, and hundreds of other area railroad buffs.

CALENDAR

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Computer Science

"Lower Bounds on Quantum Computing," Andris Ambainis, University of California-Berkeley, April 5, 4:15 p.m., B11 Kimball Hall.

Cornell Institute for Public Affairs

"Human Rights, Democratization and the Secular Movement in Iran," Reza Pahlavi, son of the late shah of Iran, April 4, 6:15 p.m., Schwartz Auditorium, Rockefeller Hall.

East Asia Program

"Confrontation or Compromise Across the Taiwan Strait," David Dean, Chiang Ching-kuo Foundation for International Scholarly Exchange, April 3, 4:30 p.m., 122 Rockefeller Hall.

German Studies

"Was Kommt? Zur neuen Aufbruchsstimmung und Zum Mentalitätswandel in Der Deutschsprachigen Gegenwartsliteratur," Martin Hielscher, Lektor, Kiepenheuer & Witsch Verlag, April 2, 4:30 p.m., Guerlac Room, A.D. White House. The lecture will be in German.

International Facilities Management Association (IFMA)

"Work Naked: Eight Principles for Peak Performance in the Virtual Workplace," Cynthia Froggatt, author, March 29, 5 p.m., B10 Sage Hall.

Johnson Museum

Sue Coe will discuss her print series "The Tragedy of War" March 29 at 5:15 p.m. in the museum. Photographer Ernesto Pujol discusses his work "Visual History of the Human Body" April 3 at 5:15 p.m. in the museum.

Johnson School

The Durland Memorial Lecture will be given by Kenneth Chenault, American Express Co., March 29, 1 p.m., Statler Ballroom, Statler Hotel.

Law School

"Left Legalism/Left Critique," Wendy Brown, University of California-Berkeley, and Janet Halley, Harvard Law School, March 29, 4:15 p.m., G90 Myron Taylor Hall.

Mind & Memory

"Connecting Voices Across Time," Sheila Danko, design and environmental analysis, April 2, 2:55 p.m., 155 Olin Hall.

Near Eastern Studies

"The Misanthrope From Malaga: Translating Solomon Ibn Gabirol," Peter Cole, author, April 5, 4:30 p.m., 103 Rockefeller Hall.

Public Lecture

"The Main Characteristics of the Armenian Genocide as Revealed in Official German and Ottoman Documents," Vahakn Dadrian, a scholar of the Armenian Genocide, April 3, 4:30 p.m., 700 Clark Hall.

South Asia Program

"Bhakti," Bhikhi Caru Swami, March 30, 5 p.m., 115 Rockefeller Hall.

Southeast Asia Program

"Reading as Gift and Writing as Theft," Fenella Cannell, Southeast Asia Program, March 29, 12:20 p.m., Kahin Center, 640 Stewart Ave.
"Thai State Transformation in the Global Structure," Kullada Kesboonchoo Mead, visiting professor of Asian studies, April 5, 12:20 p.m., Kahin Center, 640 Stewart Ave.

University Lecture

The Messenger Lectures will be given by Norman Myers, consultant in Environment and Development: "Our Environmental Crisis: The Roles of Population and Consumption," April 3, 4:45 p.m., 135 Emerson Hall; "Our Environmental Challenges: Some Action Responses," April 4, 4 p.m., Kaufmann Auditorium, Goldwin Smith Hall; and "Biodiversity Hotspots and Tropical Forests," April 5, noon, 135 Emerson Hall. See story, Page 9.

Veterinary Medicine

"Primates on the Brink," Karl Amman, DVM '74, activist and author, April 2, 12:30 p.m., James Law Auditorium, Schurman Hall.

Wellness Program

"Atkins Diet But Better ... Not Butter," Nancy Peckenpaugh, MS, RD, CDE, March 29, noon, G01 Biotechnology Building.

readings

South Asia Program

A poetry reading by Fahmida Riaz will be April 3 at 9:30 p.m. in the International Lounge, Willard Straight Hall.

music

Department of Music

• **March 29, 8 p.m., Anabel Taylor Chapel:** Vicedomini Organ Series: Hans Davidsson, Sweden's Göteborg Organ Art Center, will present works by Weckmann, Frescobaldi and Froberger.
• **April 1, 8 p.m., Barnes Hall:** Guest recital: Carol Lieberman, classical violin, and Mark Kroll, fortepiano, will perform an all-Beethoven program.
• **April 2, 8 p.m., Barnes Hall:** Senior recital: Pianist Victor Kam will perform works by Debussy, Beethoven and Brahms.
• **April 3, 8 p.m., Barnes Hall:** Student chamber music recital.
• **April 4, 8 p.m., Barnes Hall:** Student piano recital: Cornell piano students will present "Celebration of American Piano Music," organized by Blasia Bryski.
• **April 5, 8 p.m., Barnes Hall:** Senior honors project: Joseph Gregorio, composer and arranger, with assisting musicians, will perform music inspired by the people and countryside of France.

Cornell Concert Series

Stephen Hough is in concert March 30, at 8 p.m. in Statler Auditorium. Hough will play some of the most virtuosic piano music of the 19th and 20th centuries. Tickets range from \$12 to \$20 for the public and \$7 to \$12 for students and are on sale at the Willard Straight Hall ticket office, Monday-Friday, 9 a.m.-5 p.m., Saturday, noon-5 p.m., and at the Clinton House ticket office, 116 N. Cayuga St., Monday-Friday, 10 a.m.-5:30 p.m.

Chabad

Andy Statman is in concert April 2 at 7:30 p.m. in Statler Auditorium, Statler Hall. Statman's music is a dynamic blend of jazz and klezmer music. Tickets are \$6 in advance, \$7 at the door, and are on sale at the Willard Straight Hall ticket office, Borealis Books and Then and Now Records in Collegetown. The concert is co-sponsored with SAFC, ISPB and the Ithaca Area United Jewish Community. For more information contact Rabbi Eli Silberstein at 257-7379.

Bound for Glory

April 1: Small Potatoes will perform. Bound for Glory is broadcast Sundays on WVBR-93.5 FM, 8 to 11 p.m., from the Anabel Taylor Hall Café.

seminars

Africana Studies & Research Center

"Political and Juridical Viability of Black Reparations," Adrienne Davis, Law School, April 4, noon, Hoyt Fuller Room, 310 Triphammer Road.

Applied & Engineering Physics

"Exploring the Functional Role of Synaptic Proteins With Rapid Techniques," Erwin Neher, Nobel Prize winner, Max-Planck-Institut for Biophysical Chemistry, March 30, 12:30 p.m., G10 Biotechnology Building.

Astronomy

"Contemplating Original Spin," David Helfand, Columbia Astronomy Lab, March 29, 4:30 p.m., 105 Space Sciences Building.
"The Infrared Background," Ned Wright, UCLA, April 5, 4:30 p.m., 105 Space Sciences Building.

Biogeochemistry & Environmental Change

"Carbon Monoxide Biogeochemistry: New Insights About Soils and Plants, Land Use and Volcanoes," Gary King, University of Maine, March 30, 4 p.m., A106 Corson Hall.

Chemical Engineering

"Engineering Antibody Therapeutics: Approaches to Neutralizing Anthrax Toxin," Jennifer Maynard, University of Texas at Austin, April 2, 4 p.m., 165 Olin Hall.

Chemistry & Chemical Biology

"Studying Gas-Surface Chemistry With State-Selected Reagents," Arthur Utz, Tufts University, March 29, 4:40 p.m., 119 Baker Lab.

Civil & Environmental Engineering

"Seismic Isolation of an Internet Service Exchange Facility, Above Net ISX-SF1 Project," P. Lee, SOM, April 3, 4:30 p.m., 366 Hollister Hall.

Cornell Institute for Public Affairs

"What Is the Role of Journals in a Multicultural Society: Educator or Maker," Anne Marie O'Connor, the Los Angeles Times, March 29, 4:30 p.m., 101 Phillips Hall.

Earth & Atmospheric Sciences

TBA, Leigh Royden, Massachusetts Institute of Technology, April 3, 4:30 p.m., 2146 Sneek Hall.

religion

Sage Chapel

James Morton of the Interfaith Center in New York City will lead the service April 1 at 11 a.m.

African-American

Sundays, 5:30 p.m., Anabel Taylor Chapel.

Baha'i Faith

Fridays, 7:30 p.m., meet in the lobby of Willard Straight Hall, speakers, open discussion, games and service-oriented activities. Classes, speakers, prayers, celebrations at alternating locations. For more information, call 272-3037 or send e-mail to <bahai@cornell.edu>.

Buddhist

• Zen Meditation is offered Mondays and Wednesdays, 5:30-6:30 p.m., in the Founders Room, Anabel Taylor Hall. For information call Anne Marie at 273-4906.
• Tenzin Gephel leads Tibetan Buddhist meditation Mondays, Wednesdays and Thursdays at 12:15 p.m., in the Founders Room, ATH.
• "A Guide to the Bodhisattva's Way of Life, Chapter 6 - The Patience of a Bodhisattva: Working With Anger" is taught by Tenzin Gephel on Mondays from 5:30 to 6:30 p.m. in 314 ATH.

Catholic

Weekend Mass schedule: Sunday, 10 a.m., noon and 5 p.m., Anabel Taylor Hall Auditorium.
Daily Masses: Monday-Friday, 12:20 p.m., ATH Chapel.
Sacrament of Reconciliation: Sundays, 4 p.m., G-22 ATH.

Christian Science

Testimony meetings: Tuesday, 7 p.m., G-20 Anabel Taylor Hall. Church services: Sundays, 10:30 a.m., and Wednesdays, 7:30 p.m., First Church of Christ, Scientist, 101 University Ave., Ithaca.

Cornell Christian Fellowship

Meets every Friday at 7:30 p.m. in the One World Room, Anabel Taylor Hall.

Episcopal (Anglican)

Wednesdays, worship and Eucharist, 5 p.m., Anabel Taylor Chapel.

Sundays, worship and Eucharist, 9:30 a.m., Anabel Taylor Chapel.

For more information, call 255-4219 or send e-mail to <eccu@cornell.edu>.

Friends (Quakers)

Meeting for Worship, Sundays 11 a.m. in the Edwards Room, Anabel Taylor Hall. Child care provided. For rides or directions, call 273-5421.

Jewish

• Conservative and Reform: Fridays, 5:30 p.m., Welcoming in Shabbat with Song, in the lobby of Anabel Taylor Hall, followed by Shabbat services. Saturdays, 9:45 a.m., Conservative services in the Founder's Room, Anabel Taylor Hall. Call the Hillel office at 255-4227 for more information.
• Orthodox: Friday, Young Israel House, call 272-5810 for weekly times; Saturday, 9:15 a.m., Edwards Room, Anabel Taylor Hall. For daily service times, call 272-5810; all daily services are at the Young Israel House.
• Community Shabbat dinner, 6:45 p.m., Kosher Dining Hall; call 272-6907 for reservations.

Korean Church

Sundays, 11 a.m., One World Room (in English), and 1 p.m., chapel (in Korean), Anabel Taylor Hall. Call 255-2250 for more information.

Latter-Day Saints (Mormon)

Cornell student branch: Sundays, 9 a.m. Call 272-4520 or 257-6835 for directions and transportation. Basketball on Wednesdays, 8 p.m.

Muslim

Daily congregational prayer at 218 Anabel Taylor Hall.
Weekly Friday prayer, 1:15-1:45 p.m., One World Room, ATH. Weekly Halaqa, Friday, 6:30-7:30 p.m., 218 ATH.

Pagan

For information about United Pagan Ministries, call Cornell United Religious Work at 255-4214.

Protestant Cooperative Ministry

Sunday service at 11 a.m. in Anabel Taylor Chapel.

Ecology & Evolutionary Biology

"First Complete mtDNA Genomes of Extinct Birds: Evidence for the Monophyly of Ratites and Evaluation of the Vicariance Biogeography Hypothesis," Allan Baker, Royal Ontario Museum, April 2, 12:30 p.m., A106 Corson Hall.

Food Science

"Sensory Evaluation and Oropharyngeal Dysphagia in the Elderly," Cathy Pelletier, food science, April 3, 4 p.m., 204 Stocking Hall.

Horticulture

TBA, Nathan Rudgers, NYS Dept. of Agriculture and Markets, March 29, 4 p.m., 404 Plant Science Building.
"Mechanisms and Efficacy of Suppression of Plant Diseases With Compost," Harry Hoitink, Ohio State University, April 5, 4 p.m., 404 Plant Science Building.

Immunology

"Discovery and Detection of Intracellular Pathogens in Dog Blood," Edward Breitschwerdt, North Carolina State University, March 30, 12:15 p.m., Boyce Thompson Auditorium.

International Studies in Planning

"International Aid, Local Partners and the Challenge of Rebuilding Wartorn Cities and Societies," Sultan Barakat, University of Trent, March 30, 12:10 p.m., 157 Sibley Hall.

Latin American Studies Program

"How Did Chavez Come to Lead Venezuela?" Janet Kelly, Instituto de Estudios Superiores de Administracion, April 3, 12:15 p.m., 153 Uris Hall.

Manufacturing Engineering

"Negotiating Strategic Alliances in the Wireless Communications Industries," Liz Altman, Motorola Internet Software and Content Group, March 29, 4:30 p.m., B17 Upson Hall.
"The Emergence of the Fiber Optic Communication System," David Welch, SDL Inc., April 5, 4:30 p.m., B17 Upson Hall.

Materials Science and Engineering

"Internal Stress Studies Using Diffraction," Ersan Ustundag, California Institute of Technology, March 29, 4:30 p.m., 140 Bard Hall.
"From Microencapsulating Cells to Growing a

Whole Heart," Michael Sefton, University of Toronto, April 5, 4 p.m., 140 Bard Hall.

Mechanical & Aerospace Engineering

TBA, Mark Tilden, Los Alamos National Laboratories, April 3, 4:40 p.m., B17 Upson Hall.

Microbiology

"Evolution of Protists: What Can Genomics Tell Us About the First Eucaryotes," Mitchell Sogin, Marine Biological Lab., March 29, 3 p.m., G10 Biotechnology Building.
"Research Update on the Biosynthesis and Structure of Cellulose: the Most Abundant Macromolecule," R. Malcolm Brown Jr., University of Texas at Austin, April 5, 4 p.m., 105 Riley-Robb Hall.

Molecular Biology & Genetics

TBA, Peter Holland, University of Reading, United Kingdom, March 30, 4 p.m., G10 Biotechnology Building.
TBA, Claudio Mello, April 2, 4 p.m., G10 Biotechnology Building.

Molecular Medicine

"Where Do Little Goigi Stacks Come From?" Benjamin Glick, University of Chicago, April 2, 4 p.m., Lecture Hall III, Veterinary Research Tower.

Peace Studies Program

"The End of America's Unipolar Moment," Charles Kupchan, Council on Foreign Relations, March 29, 12:15 p.m., 560 Statler Hall.

Plant Biology

"Gene Expression in the Epidermis: Guard Cell Differentiation and Drought Tolerance," Larry Smart, Syracuse University, March 30, 11:15 p.m., 404 Plant Science Building.

Plant Breeding

"Proteomics: Tools and Possibilities," Klaas van Wijk, plant biology, April 3, 12:20 p.m., 135 Emerson Hall.

Plant Pathology

"Black Rot of Grape: Management Strategies Based on Epidemiology, Fungicide Sensitivity and Host Resistance," Lisa Hoffman, plant pathology, April 4, 12:20 p.m., 404 Plant Science Building.

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CALENDAR

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Psychology

"Something's Coming, Something Good: Bridging Research on Positive Affect, Optimism and the Self," Lisa Aspinwall, University of Utah, March 30, 3:30 p.m., 202 Uris Hall.

Science & Technology Studies

Science and Citizenship: Statebuilding and the Development of Modern Science in Great Britain and the United States, 1860-1940," Kelly Moore, Columbia University/Barnard College, March 30, 4:30 p.m., 609 Clark Hall.

South Asia Program

"Subcontinental Muslim Women: Reflections in Literature," Fahmida Riaz, April 2, 12:15 p.m., G08 Uris Hall.

Textiles & Apparel

"New Strategies for the Synthesis of Biodegradable Polyesters and Polycarbonates," Geoffrey Coates, chemistry and chemical biology, March 29, 12:20 p.m., 317 Martha Van Rensselaer Hall.
"Influence of Polypropylene Characteristics on Spunbond Process," C.Y. Cheng, ExxonMobile Chemical Co., April 5, 12:20 p.m., 317 MVR Hall.

Women's Studies Program

"In Search of the Healthy Home: Home Economists and the Making of the Modern American Household," Nancy Tomes, SUNY Stony Brook, March 30, 1:30 p.m., Martha Van Rensselaer Auditorium.

SYMPOSIUMS

Cornell Undergrad Consulting Club

The Undergraduate Consulting Club is holding its first symposium March 30, 4:30-7:30 p.m., in 255 Olin Hall. The symposium is open to all undergraduate students and includes senior managers from top-tier consulting firms speaking on "Consulting in the New Economy." For information the club's web site at <www.rso.cornell.edu/cucc>.

Engineering Graduate Research

The 2001 Engineering Graduate Research Symposium will be held March 31, beginning at 2:15 p.m., in the Biotechnology Building. For more information visit the symposium web site at <http://www.engr.cornell.edu/symposium>.

Human Ecology

A weekend of lectures, exhibits, receptions and more will celebrate the College of Human Ecology Centennial, March 30-31. The weekend's events are open to the public, but a registration fee of \$45 is required. The fee includes a March 31 continental breakfast and all lectures and receptions. Optional March 30 dinner and March 31 lunch are available at an additional fee. For further information, contact Gret Atkin, College of Human Ecology at <gla2@cornell.edu>.

Institute for German Cultural Studies

"The Future of the Humanities in the Corporate University: A Report From Berlin and an Invitation to a Cornell Dialogue," April 3 from 4 to 6 p.m. in 155 Olin Hall. Speakers include Hunter Rawlings, president; Biddy Martin, provost; Walter Cohen, vice provost and dean of the Graduate School; and Philip Lewis, dean of the College of Arts and Sciences. See story, Page 1.

Johnson School

The Johnson Graduate School of Management hosts Leadership Week March 29-April 1. Leadership Week continues with two major events: a corporate conference and a graduate-student business conference:

- The corporate conference continues through 4:30 p.m. March 29, in the Statler Hotel Ballroom, which includes the Durland Lecture by Kenneth I. Chenault, American Express Co., March 29, 1 p.m., in the Statler Ballroom, Statler Hotel.
- The 22nd annual Graduate Business Conference, 8 a.m. March 30 through 11 a.m. April 1 in the Statler Ballroom, Statler Hotel.

For more information, visit the web site at <http://www.johnson.cornell.edu/leadershipweek/JGSM_Leadership_Center.html> or contact Rhonda Velazquez at 254-8828 or <rhv2@cornell.edu>.

Law School

The International Law Journal will host its annual symposium March 30-31. The topic is "The UN's Global Compact: Responsibility for Human Rights, Labor and the Environment in Developing Nations." The keynote address will be given by Ambassador Betty E. King March 30 at 5 p.m. in the Moot Court Room of Myron Taylor Hall. There will be two panels of distinguished guests March 31, starting at 9:30 a.m. and running until 6 p.m. For more information visit the web site: <http://lawschool.cornell.edu/ilj/home.html>.

miscellany

Alcoholics Anonymous

Meetings are open to the public and will be held Monday through Friday at 12:15 p.m. in Anabel Taylor Hall. For more information, call 273-1541.

Alcohol Screening Day

The Employee Assistance Program is offering a free, anonymous screening for alcohol problems as part of National Alcohol Screening Day, Thursday, April 5. The screening will be held in Room B16 of Day Hall at 11:30 a.m., and it is open to Cornell staff and faculty. Participants will hear an educational presentation on alcohol problems, complete a written self-test, and have the opportunity to talk privately with a health professional. For more information about alcohol or the screening program, contact Ann Cutler at 255-1531 or at <ac100@cornell.edu>.

Cornell Christian Faculty/Staff Forum

The Cornell Christian Faculty/Staff Forum will meet March 29 at 12:20 p.m. in the Shirley Harper Conference Room, 6th Floor, ILR Library Building (Ives Hall). For more information e-mail <ccfsf@cornell.edu> or visit the web site at <http://www.curw.cornell.edu/cchristff/ccff.htm>.

Cornell Store

- The Cornell Store will hold a public forum April 4 from 2:30 to 3:30 p.m. in 700 Clark Hall. The forum is to solicit input as part of its planning process. Feedback also can be sent by e-mail to <store@cornell.edu>.

- The Cornell Store is having a used computer sale April 4-6. Store hours are Monday-Friday, 8:30 a.m.-5:30 p.m., and Saturday, noon-5 p.m.

Emotions Anonymous

Emotions Anonymous, a 12-step program for those dealing with emotional problems, meets Sundays at 7:30 p.m. and Tuesdays at 8 p.m. at St. Luke's Lutheran Church, 109 Oak Ave. For information, call Ed at 387-8257.

Walk-in Writing Service

Free tutorial assistance in writing.
• 178 Rockefeller, Sunday, 2-8 p.m., Monday-Thursday, 3:30-5:30 p.m. and 7-10 p.m.
• 222 Robert Purcell, Sunday-Thursday, 7-10 p.m.
• 320 Noyes Center, Sunday-Thursday, 7-10 p.m.
For information, visit <www.arts.cornell.edu/writing/>.

sports

Baseball (4-5)

March 31, Brown, 11:30 a.m.
April 1, Yale, noon
April 4, Penn State

Equestrian

March 31, Regional Championship at Skidmore

Golf

March 30-April 1, at Towson Tournament

Men's Lacrosse (3-2, 1-0 Ivy)

March 31, Penn at New Canaan, 2 p.m.

Women's Lacrosse (6-2, 2-0 Ivy)

March 31, Princeton, 1 p.m.
April 4, Colgate, 7 p.m.

Men's Polo (12-1-1)

March 31, Giant Valley, 8:15 p.m.
April 2-5, National Championships at Cornell

Women's Polo (16-1-2)

March 30, Maryland, 7:30 p.m.
April 2-5, National Championships at Cornell

Men's Hwt. Rowing

March 31, Michigan

Men's Ltwt. Rowing

March 31, Navy

Women's Rowing

March 31, Georgetown

Softball (12-9)

March 31, at Fairfield (DH), noon
April 1, at Columbia (DH), noon
April 5, Siena (DH), 3 p.m.

Men's Tennis (11-2)

March 31, at Columbia, noon

Women's Tennis (10-4)

March 30, Columbia, 2 p.m.
March 31, Army, noon

Department of Music concludes its Vicedomini Organ Series tonight

The Vicedomini Organ Series concludes tonight, March 29, at 8 in Anabel Taylor Chapel, with a recital by acclaimed Swedish organist Hans Davidsson. The concert is free and open to the public.

This past summer Cornell acquired a historic Neapolitan organ at auction in San Francisco. Built by Augustus Vicedomini in 1746, the instrument is one of only a few to have been removed from Italy before the passage of that country's historic landmark legislation. Now housed in Anabel Taylor Chapel, Vicedomini's organ is an excellent example of the long traditions of Italian organ building.

The last of the three dedicatory recitals, tonight's program includes works by Matthias Weckmann, Girolamo Frescobaldi and Johann Jakob Froberger.

Davidsson received his soloist diploma from the Conservatory of Göteborg, Sweden in 1985. A special interest in early music led to three years of study at the Sweelinck Conservatorium in Amsterdam and post-graduate research on North German Baroque organ music, focused on Weckmann for the University of Göteborg. In September 1991 Davidsson earned the first doctorate in music performance in Sweden, following the defense of his thesis on the interpretation of Weckmann's organ music.

In 1986 Davidsson was appointed organ teacher at the Conservatory of Göteborg and in 1988 was promoted to organ professor. A year later he was directed to establish an organ center for research in performance practice, including the acquisition of organ instruments built according to historical principles. As a result, in 1995 Davidsson co-founded and was named director of the Göteborg Organ Art Center, GOArt, an international center for interdisciplinary organ research. Recently, he was appointed associate professor of organ at the Eastman School of Music in Rochester.

Also in concert this week, the husband-wife duo of Carol Lieberman (classical violin) and Mark Kroll (fortepiano) presents a recital in Barnes Hall on Sunday, April 1, at 8 p.m. The all-Beethoven program features three sonatas for violin and piano, including those in D Major and A Major (Nos. 1 and 2 from opus 12) and the "Spring" Sonata from

Visual artist Sharon Lockhart will screen two of her films on April 3

Cornell Cinema welcomes visual artist Sharon Lockhart at a screening of her films "Goshogaoka" and "Teatro Amazonas" on Tuesday, April 3, at 7 p.m. in Willard Straight Theatre. Admission is \$4.50 general/\$4 students and seniors.

A Massachusetts native, Lockhart received her MFA from the Art Center College of Design, and her photographs have been exhibited internationally.

In 1996 she was awarded a grant from the Asian Cultural Council to spend three months in Japan. While there, she made her first feature film, "Goshogaoka" (1997, 63 minutes). Goshogaoka is a suburban junior high school outside of Tokyo with a girl's basketball team, and Lockhart's film records the systematic, artful, athletic drills enacted by the girls, revealing issues of corporeal discipline, masculinity/femininity and the individual versus the group.

"Goshogaoka" will be shown with "Teatro Amazonas" (1999, 40 minutes), which was featured in last fall's Views from the Avant-Garde section of the New York Film Festival. Set in the Amazonas Theater in Manaus, Brazil, an emblem of the region's history as a European colony, the cast is made up of



Mark Kroll and Carol Lieberman give an all-Beethoven recital April 1 at 8 p.m. in Barnes Hall.

opus 24 in F major. Kroll also presents Variations for Piano on "God Save the King."

Lieberman has been one of the leading exponents of Baroque violin performance for three decades and is equally well-known for her performances of 19th- and 20th-century violin repertoire. She has concertized throughout Europe and North and South America and frequently performs for radio and television.

Lieberman received her D.M.A. degree from Yale University, and her awards include a fellowship at the Mary Ingraham Bunting Institute of Radcliffe College. She currently is associate professor of music at the College of the Holy Cross, where she is director of the Holy Cross Chamber Players. She also serves on the faculty of the Boston University Department of Historical Performance, where she teaches Baroque violin and chamber music. Lieberman performs as violinist of the Lieberman-Kroll Duo, the Early Music Ensemble of Boston and is first violinist and founder of the Quartetto Tomasini, a period-instrument string quartet.

Kroll has been acclaimed as one of the world's leading harpsichordists and fortepianists. During a career spanning three decades, he has performed throughout North and South America and Europe, winning critical praise for his expressive playing and virtuosity. Equally active in the solo, chamber music and concerto repertoire, Kroll collaborates frequently with noted musicians and ensembles in the United States and abroad and has appeared as concerto soloist with some of the world's major orchestras. He also has served as the harpsichordist for the Boston Symphony since 1979 and can be heard on the orchestra's recordings of Vivaldi's *The Four Seasons* with Seiji Ozawa and Joseph Silverstein.



A scene from Sharon Lockhart's "Goshogaoka."

residents from Manaus who sit in the theater's auditorium. The audience was chosen based on local demographics and represents all the cultural and ethnic variations of the city. The camera was placed on the stage and filmed in one continuous take, without cuts, for approximately 30 minutes. The soundtrack was performed live by a chorus of 60 and was composed using the mathematical model of a cone, beginning with all the voices and ending with one. Lockhart also incorporates the sound of the audience moving in their seats, their conversations with each other, even a baby's cry. The result is both an anthropological and artistic tour de force.

CALENDAR

March 29
through
April 5

TO SUBMIT A NOTICE:

Items for the calendar should be submitted by campus mail, U.S. mail or in person to Chronicle Calendar, Cornell News Service, Surge 3, Ithaca, N.Y. 14853. Notices should be sent to arrive 10 days prior to publication and should include the name and telephone numbers of a person who can be called if there are questions.

dance

Israeli Folk Dancing

A free dance honoring instructor Danny Uziel will be held tonight, March 29, at 8 p.m. in the One World Room of Anabel Taylor Hall. Everyone is welcome; no experience is necessary.

emeritus/retired

CAPE Lecture

"Creativity at Cornell," James McConkey, English, March 29, 10:30 a.m., Boyce Thompson Institute Auditorium.

exhibits

Johnson Museum of Art

The Herbert F. Johnson Museum of Art, on the corner of University and Central avenues, is open Tuesday through Sunday from 10 a.m. to 5 p.m. Admission is free. Telephone: 255-6464.

- "Kathryn Spence," through May 27.
- "War and Peace," through June 10.
- "Common Threads: Art, Identity and Fashion in the 20th Century," March 31 through June 17.
- "Uncommon Threads: Contemporary Artists and Clothing," March 31-June 17.
- "Something Old/Something New: Print Acquisitions From the Class of 1951," through June 17.
- A tour of "Common Threads," led by Professor Charlotte Jirousek, curator of Cornell's Costume and Textile Collection, will be March 31 at 3 p.m. A tour of "Uncommon Threads," led by curator Sean Ulmer, will begin at 4 p.m. Both tours are free.
- An free, public opening reception for new exhibitions will be March 31 from 5 to 7 p.m.
- Art for Lunch: April 5 at noon, tour the exhibition "Kathryn Spence," with assistant curator Sean Ulmer.

Clark Hall Physical Sciences Library (M-Th, 8 a.m.-11 p.m.; F, 8 a.m.-9 p.m.; Sat, 10 a.m.-9 p.m.; and S, 10 a.m.-11 p.m.)
"Humor in the Sciences"; for more information contact Pat Viele at <ptv1@cornell.edu>.

Comstock Library of Entomology (M-F, 10 a.m.-6 p.m.)
"Butterflies of the Finger Lakes," photographs by Akito Kawahara and Robert Dirig. An opening reception is April 2 at 4:30 p.m. in 2114 Comstock Hall.

Kroch Library

"From Domesticity to Modernity: What Was Home Economics?" an exhibition showing the intellectual history of home economics, March 30-Aug. 17. See story, Page 5.

films

Films listed are sponsored by Cornell Cinema and held in Willard Straight Theatre, except where noted, and are open to the public. All films are \$4.50 (\$4 for students, kids 12 and under and seniors).

Thursday, 3/29

"Consuming Spirits," an evening with animator Chris Sullivan, 7:15 p.m.

"Strictly Ballroom" (1992), directed by Baz Luhrmann, with Paul Mercurio and Tara Morice, 9:45 p.m.

Friday, 3/30

"Aimée and Jaguar" (1999), directed by Max Färberböck, with Maria Schrader and Juliane Kohler, 7 p.m.

"You Can Count on Me" (2000), directed by Ken Lonergan, with Jon Tenney, Laura Linney and Matthew Broderick, 7:15 p.m., Uris.

"Live Story" (1997), directed by Catrine Clay, with Lilly Wust, Ulla Schaaf and Gerd Ehrlich, 9:20 p.m., free with admission to "Aimée and Jaguar."

"Strictly Ballroom," 9:45 p.m., Uris.
"Pulp Fiction" (1994), directed by Quentin Tarantino, with John Travolta, Uma Thurman and Samuel L. Jackson, 10:45 p.m.

Saturday, 3/31

"Live Story," 5 p.m.
"Aimée and Jaguar," 7:15 p.m.
"Wonder Boys" (2000), directed by Curtis Hanson, with Michael Douglas, Tobey Maguire and Frances McDormand, 7:15 p.m., Uris.
"Live Nude Girls Unite!" (2000), directed by Julia Query and Vicky Funari, 9:45 p.m.
"You Can Count on Me," 9:45 p.m., Uris.

Sunday, 4/1

"The Eye Above the Well" (1988), directed by Johan van der Keuken, 5 p.m.
"You Can Count on Me," 7:30 p.m.

Monday, 4/2

"The Kiss" (1929), directed by Jacques Feyder, with Greta Garbo and Lew Ayres, with live musical accompaniment by David Borden, 7 p.m.
"Aimée and Jaguar," 8:45 p.m.

Tuesday, 4/3

"Goshogaoka" and "Teatro Amazonas" (1997/1999), directed by Sharon Lockhart, 7 p.m.
"Gordon Matta-Clark: Program 1," directed by Gordon Matta-Clark, 7:30 p.m., Film Forum, Schwartz Center.
"You Can Count on Me," 10 p.m.

Wednesday, 4/4

"Life Is Beautiful" (1998), directed by Roberto Benigni, with Roberto Benigni and Nicoletta Braschi, 7 p.m.
"Bridget Jones' Diary" (2001), directed by Sharon Maguire, with Renée Zellweger and Hugh Grant, 9:30 p.m.

Thursday, 4/5

"Harlan County, U.S.A.," (1976), directed by Barbara Kopple, 7 p.m.
"Bittersweet Motel" (2000), directed by Todd Phillips, with Trey Anastasio, Jon Fishman and Page McConnell, 10 p.m.

graduate bulletin

Registration

• **CoursEnroll:** Course pre-enrollment for fall '01 is online April 2-27; see <www.sws.cornell.edu/OUR/student/coursenroll.html>. Obtain consent from your committee chairperson for pre-enrollment course selections and then receive an electronic "adviser key" (password). If you do not pre-enroll or you make changes later, you must submit a form during the first three weeks of the fall semester. Graduate students have a five-course pre-enrollment limit on courses of three or four credits. One- and two-credit-hour courses are unlimited for pre-enrollment. All graduate students no longer taking courses must be registered in thesis/dissertation research. Register electronically through precourse enrollment. For fall 2001, the Graduate School's doctoral dissertation research course is 750-912; the master's thesis research course is 750-970, both 0 (zero) credits. Students can register for these courses or for a departmental research course.

Financial

• **Income tax for 2000:** See the web site by Cornell's Tax Department <www.univco.cornell.edu/accounting/tax/>.
• **Tax seminars for international students:** See the ISSO web site for tax information and times for the tax seminars for international students <http://www.issocornell.edu/>.
• **Travel grants:** Conference transportation grant applications are due at the Graduate Fellowship Office, Caldwell Hall, by April 1 for May conferences. Grants for transportation are awarded to registered graduate students invited to present papers or posters. Forms are available at graduate field offices and on the web <www.gradschool.cornell.edu/grad/fellowships/forms.html>.

Fellowships

Information on the following scholarships is available at <http://www.career.cornell.edu/students/grad/fellowships/prestigious.html> or by contacting Beth Fiori, fellowship coordinator, at <bt1@cornell.edu> or 255-6923:
• **Luce Scholarship:** One-year internship in Asia open to all career fields. Applications wanted from

those under 30 years old who have made a significant contribution to their career fields. Those familiar with Asian culture and language are not eligible. Info session is April 10 at 6 p.m. in 103 Barnes Hall.

• **Rhodes Scholarship:** Two years of support at Oxford University in any field. Grad students who are U.S. citizens under 24 years of age are eligible. Citizens of Commonwealth Caribbean, Zimbabwe, Bangladesh, Bermuda, Hong Kong, Jamaica, Kenya, Malaysia, Pakistan, Singapore, Uganda and Zambia also are eligible. Info session: April 6, 4:30 p.m., 122 Rockefeller Hall.

• **Marshall Scholarship:** Two years of support at any British university in any field. Grad students who are U.S. citizens and received their bachelor's degree after April 1999 are eligible. Info session: April 6, 4:30 p.m., 122 Rockefeller Hall.

• **Churchill Scholarship:** One year of graduate support at Cambridge University in the natural sciences, mathematics or engineering. Applications wanted from those under 26 years of age with a bachelor's or master's but not a doctoral degree. Info session: April 17, 4:30 p.m., A.D. White House.

Degrees

• **May degree:** All requirements for a May degree must be completed by May 18, including submitting the dissertation/thesis to the Graduate School. Professional master's candidates should check with their fields regarding specific deadlines.
• **Commencement** is Sunday, May 27.
• **Ph.D. ceremony:** A ceremony to recognize Ph.D. candidates is Saturday, May 26, at 5 p.m. in Barton Hall; family, friends and faculty are invited. A reception follows the ceremony.
• **Commencement information packets:** These are mailed to August 2000 and January 2001 degree recipients. Candidates for May 2001 degrees: Professional master's degree candidates can obtain packets in graduate field offices; M.A., M.S. and Ph.D. degree candidates can pick up packets at the Graduate School, Caldwell Hall.

Meetings and Workshops

• **Lunch with the dean:** Grad students can join the dean for lunch Wednesdays from noon to 1 p.m., Big Red Barn (table near piano).

lectures

Chemistry & Chemical Biology

Roessler Lectures: Klaus Möbius of Free University Berlin will give the following lectures, all at 4:40 p.m. in 119 Baker Lab:
• "Millimeter and Submillimeter High-Field EPR on Bioorganic Systems: The FU Berlin Approach," April 2;
• "Structure and Dynamics of Cofactors in Primary Photosynthesis: What Do We Learn From High-Field/High-Frequency EPR and ENDOR?" April 4;
• "Light-Induced Proton Transfer Characteristics of Bacteriorhodopsin: A Site-Specific Spin-Label/High-Field EPR Study," April 5.

Classics

"Plato on Non-Rational Motivations," Chris Bobonich, Stanford University, March 30, 3:30 p.m., 124 Goldwin Smith Hall.

Computer Science

"Time-Space Tradeoffs for Satisfiability," Dieter van Melkebeek, Institute for Advanced Study, March 29, 4:15 p.m., B11 Kimball Hall.
"Creating a Global Knowledge Network," Paul Ginsparg, Los Alamos National Laboratory, April 3, 4:30 p.m., B11 Kimball Hall.

Continued on page 10



Michiko Kōns' "Shrimp and Boot" (gelatin silver print) is part of the "Uncommon Threads" exhibition.

Johnson Museum to hold reception for new exhibits

A wedding dress made from underwear, a straitjacket built for two, bears made of mud and birds of trash and a Matisse print are just some of the works of art now on view at the Herbert F. Johnson Museum of Art at Cornell.

"There is an amazing range of art from the 20th century for people to see in the museum now," said Frank Robinson, the Richard J. Schwartz Director of the museum. "There is something to please everyone, something to make us laugh and something to move us. It is very exciting."

A free public reception to celebrate these new exhibitions will be held Saturday, March 31, from 5 to 7 p.m. A shuttle bus from Cornell's "A" parking lot to the museum

will run from 4:30 to 7:30 p.m. Limited parking also is available in the lots next to the museum.

The new exhibitions include:

• "Uncommon Threads: Contemporary Artists and Clothing" assembles work by 40 artists who use clothing in one form or another to express concerns about the body, about issues of race and gender, about history, memory and craft.
• "Common Threads: Art, Identity and Fashion in the 20th Century," an exhibition held in honor of the centennial of Cornell's College of Human Ecology, pairs dresses from Cornell's Costume and Textile Collection with art from the museum's collection to illustrate the cultural connections. (See

story, Page 5.)

• "Kathryn Spence: Leavings" displays the works of the San Francisco artist who makes art from discarded and devalued materials, such as trash, mud, string and fabric scraps.

• "War and Peace," organized by a group of Cornell undergraduate art history students, is a collection of prints and photographs from the museum's collection reflecting these intertwined and connected themes.

• "Something Old/Something New: Print Acquisitions from the Class of 1951" is a collection of mostly 20th century prints and photographs generously given to Cornell by members of this class, assembled in honor of their 50th reunion in June.

For more information, call 255-6464.