

CORNELL Chronicle

Volume 26 Number 8 October 13, 1994

ONGOING INVESTIGATION

Investigations of Cornell's former radiation burial site in the town of Lansing continue following a preliminary evaluation.

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\$2 MILLION GRANT

An innovative science-education experiment has succeeded and will be expanded with a \$2 million, four-year grant from the Howard Hughes Medical Institute.

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Attorney General Janet Reno to speak here Oct. 20

By Linda Grace-Kobas

U.S. Attorney General Janet Reno is scheduled to return to her alma mater, Cornell, on Thursday, Oct. 20.

She is scheduled to present an address to the public in Barton Hall at 5 p.m.

A member of Cornell's class of 1960, Reno's appearance in Ithaca is part of Cornell's Trustee-Council annual meeting. This will be her first return to campus since she assumed the attorney general's post; she served as a member of the Cornell Council, a worldwide alumni group, from 1972 to 1975.

Tickets to Reno's speech are free but are required for admission because of limited seating. They will be distributed, with a limit of two per person, on a first-come, first-served basis beginning Oct. 18 at 10 a.m. at the Information and Referral Center in Day Hall, Willard Straight Hall ticket office, Robert Purcell Community Center on North Campus, Noyes



Reno

Community Center on West Campus and at the DeWitt Mall ticket office in Ithaca.

Reno's address also can be viewed on closed-circuit television feeds to be provided in Alice Staller Auditorium and Alumni Auditorium in Kennedy Hall. Time-Warner Cable Channel 7 in Tompkins County also plans to carry the attorney general's speech live.

Reno was appointed the nation's first female attorney general by President Clinton on March 12, 1993. From 1978 to the time of her appointment, she served as the state attorney in Dade County, Florida, a post to

which she had been elected five times.

Born and raised in Miami, Reno attended Dade County public schools. Originally planning to be a doctor, she studied chemistry at Cornell while working her way through college as a waitress. In her junior year, she was elected president of the Women's Student Government Association. After receiving her bachelor's degree in chemistry in 1960, she went on to earn her law degree from Harvard University in 1963.

After starting her legal career in private practice, Reno served as an assistant state

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King knocks bookstore chains' discounting policies

By Lisa Bennett

So this is what it is like when Stephen King, America's best-selling author, goes on a rare promotional tour that includes a stop at Cornell, where some will dismiss him with disdain or perhaps not a second thought; some will claim curiosity to see him only because he is an American phenomenon; and some 5,000-strong will jump to their feet when he takes to the stage at Alberding Field House.

The author of *The Shining*, *Pet Sematary* and *Misery*, to name just a few of his two dozen novels, King climbed on his motorcycle outside his home in Bangor, Maine, made a first of 10 stops in Manchester, N.H., and arrived in Ithaca on the evening of Oct. 5, half-a-day early. His Harley-Davidson Heritage Softail, a 1986, was stored in a campus hall to keep it warm until the next day when he climbed on it again to "arrive" at the Campus Store as originally planned.

The arrival was planned as a photo opportunity at the bookstore, which organized King's visit, and which he says he came to support.

Support of independent bookstores, and criticism of the megachains and discount clubs, is the theme King presented at his news conference and in his prepared talk at Alberding. But it is not the topic anyone cared to ask him more about at either of those events. Most of the questions, from reporters and fans alike (and they did often come as one and the same) were on the order of: When would his next book come out? And the next? And the next?

Clad in a brown leather jacket, T-shirt and blue jeans with a leather pouch sticking out of his back pocket, King walked into the A.D. White House for his news conference

at 3:30 p.m. last Thursday. His mouth tightly drawn, as if one of his villains were invisibly pulling on the corners, King projected himself as something of a reluctant celebrity. Or perhaps peeved. Or perhaps just cool.

He tossed up his hands and said in a deadpan tone, "I'm Steve King." He mentioned his new book, *Insomnia*, which runs about 800 pages, and about which *The New York Times* wrote in a review that day: The narrative holds but "the most elusive specter in this story is a fresh idea or an original turn of phrase."

The main reason for King's visit, how-

'I'm concerned about the effect that the price-cutters are having on American popular culture, and, God knows, the American popular culture is debased enough.'

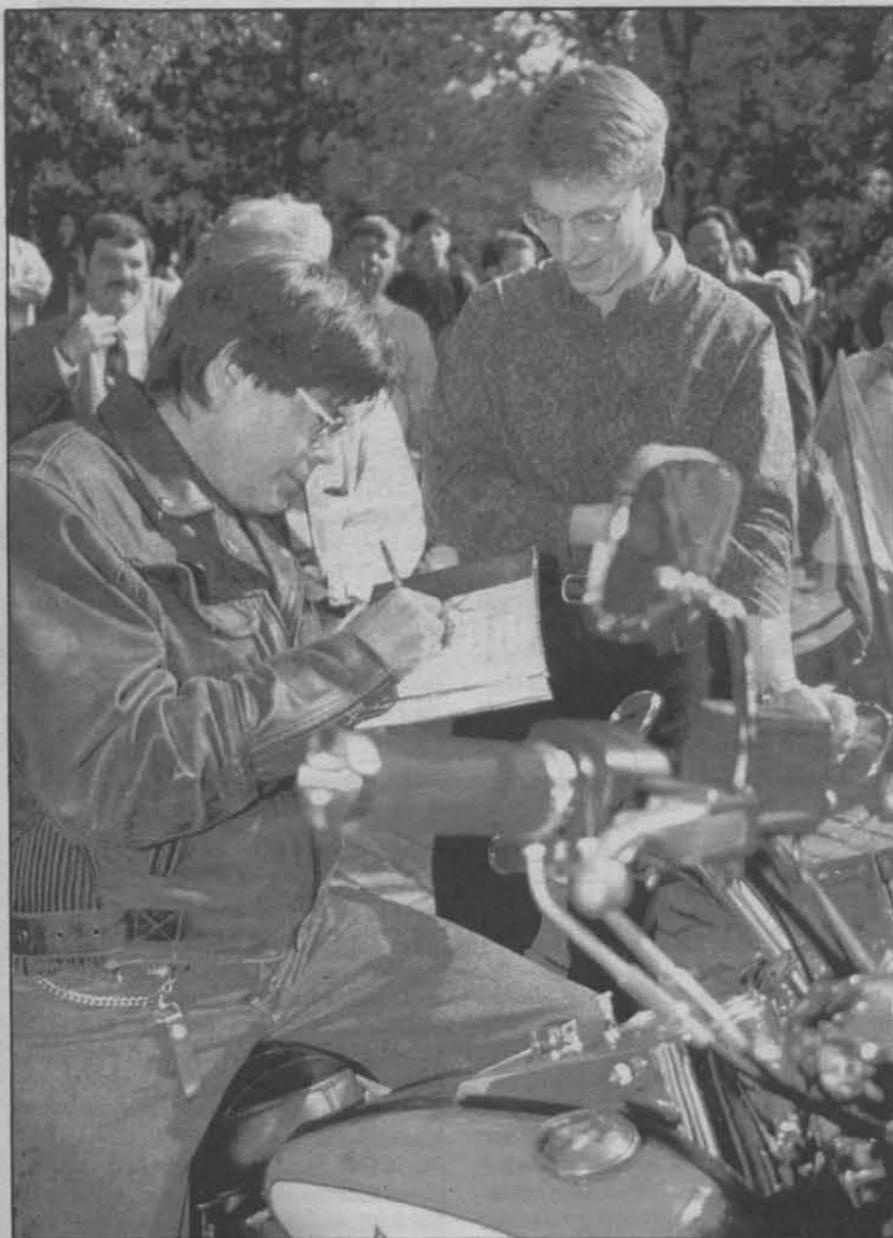
— Stephen King

ever, was not self-promotion, he said, but to support independent bookstores that are suffering from competition with the megachains that stock mainly best sellers — sure bets, like his own — and, thus, can cut prices.

"I'm concerned about the effect that the price-cutters are having on American popular culture, and, God knows, the American popular culture, is debased enough," said King, 47, who does not feign interest in writing great literature himself.

Then he invited questions to which he

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Sharron Bennett/University Photography

Horror writer Stephen King signs an autograph for senior Rob Kronzak in a Russian version of one of King's novels. King rode into Cornell on his 1986 Harley-Davidson motorcycle to promote his latest novel, "Insomnia."

Drinking orange juice each day may keep cancer away, study shows

By Susan Lang

Drinking plenty of orange juice a day may help keep cancer away, according to a new Cornell study.

Among rats given a highly potent carcinogen (aflatoxin), the rats fed an orange juice extract had 40 percent fewer pre-cancerous lesions than those in the control group, said Robert Parker, Cornell associate professor of nutritional sciences who did the study.

"The evidence suggests there is some-

thing in oranges that affects the process of carcinogenesis, thereby making them less potent and less likely to cause cancer," Parker said.

The rats ingested extracts equivalent for humans of one gallon of orange juice a day, based on body weight, for four months. Although drinking that amount is unrealistic for humans, the actual protective effect of ingesting even less juice is probably greater than this study indicates because the extracts studied contained only the fat-soluble portion of orange juice, and not

Vitamin C. Vitamin C is thought to help ward off cancer as well.

Parker, who worked with Martin Root, a research support specialist and doctoral candidate in nutrition, presented these findings Oct. 10 at the Second International Conference on Antioxidant Vitamins and Beta-Carotene in Disease Prevention in Berlin, Germany. Their study was funded by the Florida Department of Citrus.

The extract with the strongest cancer-protective effect contained the most fat-soluble portions of frozen orange juice con-

centrate purchased at an Ithaca market. This fraction was comprised primarily of colored substances called carotenoids (including small amounts of beta-carotene, a carotenoid thought to protect against cancer), aroma compounds known as terpenes and Vitamin E.

The researchers do not know which particular substance offered the protection against the carcinogen or whether other citrus fruits would exhibit similar protection. An earlier Cornell study, however,

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BRIEFS

■ **New street signs:** A new type of street sign is being tested on campus. On Oct. 11, new pedestrian crosswalk signs were placed at the crosswalk on East Avenue near Goldwin Smith Hall. The new fluorescent yellow-green signs are being placed as part of a survey by the state Department of Transportation under the guidance of the federal Highway Administration Office of Highway Safety. The survey is being conducted to determine what effect the signs have on traffic patterns, pedestrian and bicycle use and accident rates.

■ **Suicide prevention:** "Hearing the Pain: Understanding Hopelessness, Creativity, Impulsiveness and Neurobiology in Suicidal Teens and Adults," featuring renowned suicide and depression expert Dr. Andrew Slaby, will be presented by Suicide Prevention and Crisis Service on Oct. 21 at 7 p.m. at the Medical Office Building of the Tompkins Community Hospital. Slaby, author of *No One Saw My Pain: Why Teens Kill Themselves*, is offering his expertise to Ithaca as a memorial for his friend and colleague, Dr. Irving Rosen, who shared his knowledge of spirituality and mental health with the community. To register, contact Helen at 272-1505 between 8:30 a.m. and 4 p.m.

■ **Student jobs:** Looking for work? Student Employment Services (SES) can help. SES has a new employment referral service designed to aid students looking for temporary work. Students should go to the Office of Financial Aid & Student Employment, 203 Day Hall, and fill out a profile indicating their job interest, their background and when they are available to work. The information will be made available to employers, who will be able to contact students directly. Any employers who would like to contact SES about hiring a student or placing a job should call Student Employment at 255-9051. Questions should be directed to Dennis Chavez, director of the program.

■ **Nursery accredited:** University Cooperative Nursery School (UCNS) has been reaccredited by the National Academy of Early Childhood Programs. The academy recognizes outstanding early childhood programs which meet national quality standards. UCNS, located in Robert Purcell Community Center on North Campus, serves about 45 families, according to Director Sally Reimer.

Campaign trail



Peter Morenus/University Photography
Lynn Jelinski, director of the Center for Advanced Technology, gives state Sen. James Seward, R-Milford, a tour of a lab in the Biotechnology Building Oct. 4. Seward, who is running for re-election, was on campus for a luncheon with faculty and staff members. The lunches are being held to help inform members of the Cornell community about candidates and campaign issues.

Terzian receives honorary degree

Yervant Terzian, the James A. Weeks Professor of Physical Sciences and professor and chairman of Cornell's Astronomy and Space Sciences Department, this week received an honorary degree from Yerevan State University in Yerevan, Armenia.

Terzian, who is fluent in Armenian, received the honor Monday as part of that university's 75th anniversary celebration.

The award, an honorary doctor of science degree, was made "due to your exceptional scientific achievements," according to Radick M. Martirosian, presi-

dent of the university.

Terzian, a radio astronomer, recently returned from a mission to that university to help advise the administration about reforms after the breakup of the former Soviet Union. Terzian helped advise on how to change from a Soviet style of university to a liberal arts and sciences university.

He has been a member of the Cornell faculty since 1965.

Also receiving an honorary degree was Vartan Grigorian, president of Brown University.

Symposium for Sagan begins today

The Astronomy and Space Sciences Symposium in honor of Carl Sagan's 60th birthday begins 9 a.m. today, when Yervant Terzian, the James A. Weeks Professor of Physical Sciences and astronomy department chairman, welcomes participants to the Statler Auditorium.

Daniel Goldin, the head of NASA, will deliver the first talk at 9:30 a.m. in a session on planetary exploration. Other speakers will discuss the Russian planetary exploration program, explorations of Mars and highlights of America's program.



Sagan

Thursday afternoon, beginning at 2 p.m., speakers will address Life in the Cosmos, including discussions on extraterrestrial intelligence, the origins of life and the possibility of time travel.

Sagan, the David Duncan Professor of Astronomy and Space Sciences, will give a talk in Bailey Hall at 8:15 p.m. called "The Age of Exploration." It is open to the public at no charge.

On Friday, a session on Science Education begins at 9 a.m. with Ann Druyan speaking on the need for science to be popularized. Also speaking Friday morning are Stephen Jay Gould, James Randi and Philip Morrison. Walter Anderson, editor of *Parade* magazine, will address "Science and the Press" at 11:55 a.m.

Friday afternoon's session, beginning at 2 p.m., is devoted to Science, Environment and Public Policy, with talks on global climate, nuclear winter, nuclear arms and science and religion. Frank Press, former head of the National Academy of Sciences, will close the symposium with a talk at 4:30 p.m., "Science and the Social Conscience."

"This symposium is a fitting celebration of Carl Sagan's unique achievements in science, science education and science policy," Terzian said. "He has been the leading public teacher of science on this planet during the last 30 years."

Sagan received the 1994 Public Welfare Medal from the National Academy of Sciences, the academy's highest honor.

CORNELL Chronicle

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Published 40 times a year, Cornell Chronicle is distributed free of charge to Cornell University faculty, students and staff by the University News Service. Mail subscriptions, \$20 for six months; \$38 per year. Make checks payable to Cornell Chronicle and send to Village Green, 840 Hanshaw Road, Ithaca, N.Y. 14850. Telephone (607) 255-4206. E-mail: cunews@cornell.edu. Second-Class Postage Rates paid at Ithaca, N.Y.

POSTMASTER: Send address changes to the Cornell Chronicle (ISSN 0747-4628), Cornell University, 840 Hanshaw Road, Ithaca, N.Y. 14850.

It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, sexual orientation, age or handicap.

The university is committed to the maintenance of affirmative-action programs that will assure the continuation of such equality of opportunity. Sexual harassment is an act of discrimination and, as such, will not be tolerated. Inquiries concerning the application of Title IX may be referred to Cornell's title IX (Coordinator of Women's Services) at the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, N.Y. 14853-2801 (telephone 607 255-3976).

Cornell University is committed to assisting those persons with disabilities who have special needs. A brochure describing services for persons with disabilities may be obtained by writing to the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, N.Y. 14853-2801. Other questions or requests for special assistance may also be directed to that office.

LETTER

Faculty member protests State Department 'foot-dragging'

Mexican Senator-elect Heberto Castillo Martinez was invited to visit Cornell during the first week of October to give two lectures. His visit was being cosponsored by various Cornell groups, including the Rose Goldsen Fund: Images in Society, the Latin American Studies Program, CUSLAR (Committee on US/Latin American Relations), the Government Department, the Hispanic American Studies Program, the Peace Studies Program, the Biometrics Unit, the School of Industrial and Labor Relations and the Society of Mexican Students.

On Sept. 30, the date of his planned departure to the United States, Sen. Castillo Martinez was denied a visa by the U.S. embassy in Mexico City. He has faced such problems in the past (most recently in 1991), but has always been able to secure a waiver, so Sen. Castillo Martinez and his wife boarded a plane to Toronto. They expected no difficulties in receiving the waiver, because of his recent democratic election to public office, and also because of the passage of the North American Free Trade Agreement, the end of the Cold War, and the Clinton rhetoric on promoting democracy in the Western Hemisphere. Toronto put them at the closest international point to Ithaca.

To facilitate the waiver, we requested the

assistance of Cornell President Frank Rhodes, who in turned immediately contacted Vice President for University Relations Henrik Dullea, who contacted Congressman Maurice Hinchey (D-125th district) that Friday night. Later, again at our request, Vice President Dullea contacted the office of Sen. Daniel Patrick Moynihan. The staffs of both Congressman Hinchey and Senator Moynihan worked around the clock for four days and they were never given a reason for the denial of the senator's visa or for the delay in granting the waiver. Finally, Oct. 7, Congressman Hinchey's aide, Marsha Mosher, informed us that the waiver was going to be approved on Friday. Sen. Castillo Martinez was to depart from Toronto for Mexico on Sunday night, Oct. 9, as he could not afford to take any more time away from his work. By their foot-dragging tactics, the State Department succeeded in its goal of preventing Heberto Castillo Martinez's speech. He has promised, however, to come back.

The State Department has set up a mechanism to make it as difficult as possible for Sen. Castillo Martinez to return. We have been informed that whenever he applies for a visa, it will be denied, and that he will have to request a waiver—a complicated process.

There is a clear censorship issue involved. Senator-elect Heberto Castillo Martinez has been for 30 years the standard bearer for democracy and nonviolent change in Mexico, the only viable opposition to Mexico's ruling party, the PRI. By preventing him from addressing the Cornell and Ithaca communities, the State Department has kept us from learning from him and hearing his point of view. The State Department is also helping Mexico's ruling party maintain its stranglehold on the country, and is helping undermine the slow process of democratization in Mexico at a time when two politically motivated murders have scandalized the world.

The struggle for democracy in South Africa, in Mexico, in Haiti and in many other countries in the world is still vivid and ongoing. There is a more insidious struggle for democracy that needs to take place in our country, too. Government agencies like the State Department, the INS, the FBI, and the CIA, that with arrogance refuse to respond to legitimate requests for information on the part of elected officials, are undermining the democratic fabric of this society.

Carlos Castillo Chavez
Associate Professor of Biomathematics

Investigation of former radioactive burial site continues

By David Stewart

Investigations of Cornell's former radiation burial site in the town of Lansing will continue following a preliminary evaluation of environmental conditions. Two New York state regulatory agencies are now reviewing the preliminary report submitted in early October.

According to Thomas J. McGiff, radiation safety officer at Cornell, "Testing at and near the site indicates radiation levels in the air and surface water are generally consistent with naturally occurring levels. Radioactive parameters have been detected at slightly elevated levels in groundwater and some soil and vegetation samples, and will be the subject of further study."

McGiff added that results from a preliminary risk assessment, conducted using methodology accepted by the federal Environmental Protection Agency, indicate the levels detected present minimal current risk and pose no immediate risk to people or animals in the vicinity.

A newsletter explaining the findings has been mailed to property owners near the former radiation site off Snyder Road, north of Tompkins County Airport. The university's Equine Drug Testing and Toxicology Center, about one-third of a mile from the site, is the nearest inhabited building, while the closest commercial facilities are the Agway Technical Center and Tompkins County Airport. The nearest residences are four-tenths of a mile away on

Warren Drive.

From 1956 to 1978, Cornell disposed of low-level radioactive waste at the two-acre site, which was operated in accordance with regulations in effect at the time. Materials such as animal carcasses and laboratory waste were buried there, and the site was covered with soil, seeded and closed in 1978. It is fenced to control access, McGiff explained.

In addition to radioactive parameters, surface water and groundwater have been tested for a variety of chemical compounds. Paradoxane, a chemical used in radiological testing, has been detected in surface water up to 1,800 feet west of the site and in groundwater up to 600 feet southwest of the site. Paradoxane has been shown to cause

cancer in animals and is considered a probable human carcinogen. It is not commonly encountered in surface and groundwater, and drinking-water standards have not been established. Although results of the preliminary risk assessment indicated the levels detected at or near the site present minimal current risk, further evaluation of the site will be conducted.

Plans are being developed to define the extent of environmental contamination and to evaluate the need and options for cleanup at the site. Additional sampling will be conducted, with all investigation and cleanup activities overseen and regulated by the New York State Department of Environmental Conservation and the New York State Department of Health.

Author, scholar to give lectures

■ Rita Felski, author of the acclaimed study, *Beyond Feminist Aesthetics: Feminist Literature and Social Change*, will deliver a University Lecture at 4:30 p.m. on Nov. 3 in Kaufmann Auditorium, Goldwin Smith Hall.

Her lecture, entitled "Fin de Siecle, Fin de Sexe: Transsexuality and the Death of History," is free and open to the public.

Felski is a professor of English at the University of Virginia, where she teaches courses in feminist theory, cultural studies and modernity and postmodernity. She is the author of a forthcoming book on theory and cultural practices of the fin-de-siecle in Europe, entitled *The Gender of Modernity*.

In 1988, she was a fellow at the Society for the Humanities at Cornell.

■ Nara Araujo-Carruana, professor of literary studies at the University of Havana, Cuba, will deliver a University Lecture at 4:30 p.m. on Oct. 24 in Goldwin Smith Hall, Auditorium D.

Her lecture, entitled "Feminism and Women's Writing in Contemporary Cuba," is free and open to the public.

Araujo-Carruana is president of the National Commission for Literary Studies in Cuba, author of *The Romantic Vision of the Other: Comparative Study of Atala and Cumanda, Bug Jargal and Sab* and editor of *Women Travellers to the Caribbean*.

She currently is working on a book entitled *The Feminine Novel in the Caribbean*.

100 years for No. 9



Sharron Bennett/University Photography

Gene Welch, center, the longest-standing member of Fire Company No. 9, talks with Fire Chief Brian Wilbur, left, and Dan Maas, Cornell's fire protection and emergency services section manager, about his 72 years as a member of the Neriton Fire Company No. 9. The company, at 309 College Ave., celebrated its 100th anniversary Oct. 8.

CU support vital to Challenge Industries' success, director says

By Darryl Geddes

The relationship between Cornell and Challenge Industries is an example of how a university and local agency can work together to the betterment of the community.

Challenge Industries, which opened in 1968, provides vocational, rehabilitation and employment-related services for people with disabilities. The agency places clients in private-sector jobs and operates a custodial service and an on-site sheltered workshop. About 250 individuals participate in Challenge Industries' programs.

"The support Cornell has provided to Challenge Industries has been beneficial to our success," said Challenge Industries' Executive Director Milton Goldstein.

The links between Cornell and Challenge Industries are numerous and beneficial to both.

Challenge Industries' clients assist Cornell in processing its major mailings, and several Challenge clients are employed by Cornell in a variety of departments.

Several years ago Cornell brought its microfilming operations to Challenge Industries. "The move has provided our clients with increased employment opportunities and the ability to learn new skills," Goldstein said. Two university employees oversee the microfilming at Challenge.

A Challenge staff member, based in

Cornell's Human Resources Department, provides counseling for Cornell employees with disabilities and assists them in returning to work.

The special relationship is supported by the presence of several Cornell employees who serve on Challenge Industries' volunteer board of directors.

Among its members are Noel Desch, associate director of the materials science center, Henrik N. Dullea, vice president for university relations, and Joycelyn R. Hart, associate vice president for



human relations. The board sets policy and monitors agency performance.

Last year, the United Way of Tompkins County allocated more than \$29,000 to Challenge Industries, which also receives funding from the city, county and federal governments.

Financial support for Challenge Industries is a wise investment, according to Goldstein. "We pay big dividends," Goldstein said. "We enable people to become productive citizens. Every person who comes into our system requires about \$15,000 a year in public assistance. If we successfully rehabilitate them and put them back to work, they are able to earn a salary and pay taxes themselves. It's counterproductive to reduce our resources."

The Special Children's Center (SCC), which has been in operation for almost 50 years, offers a wide range of services for children and young adults with disabilities. The agency, which in 1994 received more than \$49,000 from the United Way, provides services and programs to more than 1,100 people annually.

The Early Intervention and Preschool Special Education program provides physical and psychological evaluations, education, therapy, preschool, day care and mental health services for children from birth to five years of age with developmental delays and disabilities. In addition, the organiza-

tion sponsors health clinics and an array of family services from counseling and assessment to respite programs. Day treatment programs for school-age children with emotional and behavioral difficulties that inhibit their ability to attend school also are offered. The SCC operates several group homes for children and young adults with developmental disabilities.

The Finger Lakes Independence Center is another United Way agency that provides services for people with disabilities. Established in 1987, the center received funding — \$3,900 — from the United Way for the first time last year. Despite its youth, the center has made quite an impact, serving more than 1,000 people so far this year in Tompkins, Cortland and Schuyler counties.

Advocacy, information and referral, peer counseling, library loans, independent living skills and American sign language classes are among the services provided. The center is noted for its advocacy and outreach work, which includes workshops and public information programming.

United Way pledge cards have been mailed to all Cornell faculty and staff. Cards may be returned directly to the United Way of Tompkins County or to the United Way volunteer in an individual's department. If one wishes to designate a particular agency to receive a contribution, contact a department volunteer for a designation card.

Orange juice *continued from page 1*

which served as a foundation for this research, did find that among rats that were given a carcinogen, those fed carrot, tomato or orange juice extract had 60 percent less pre-cancerous lesions, on average, than the control group.

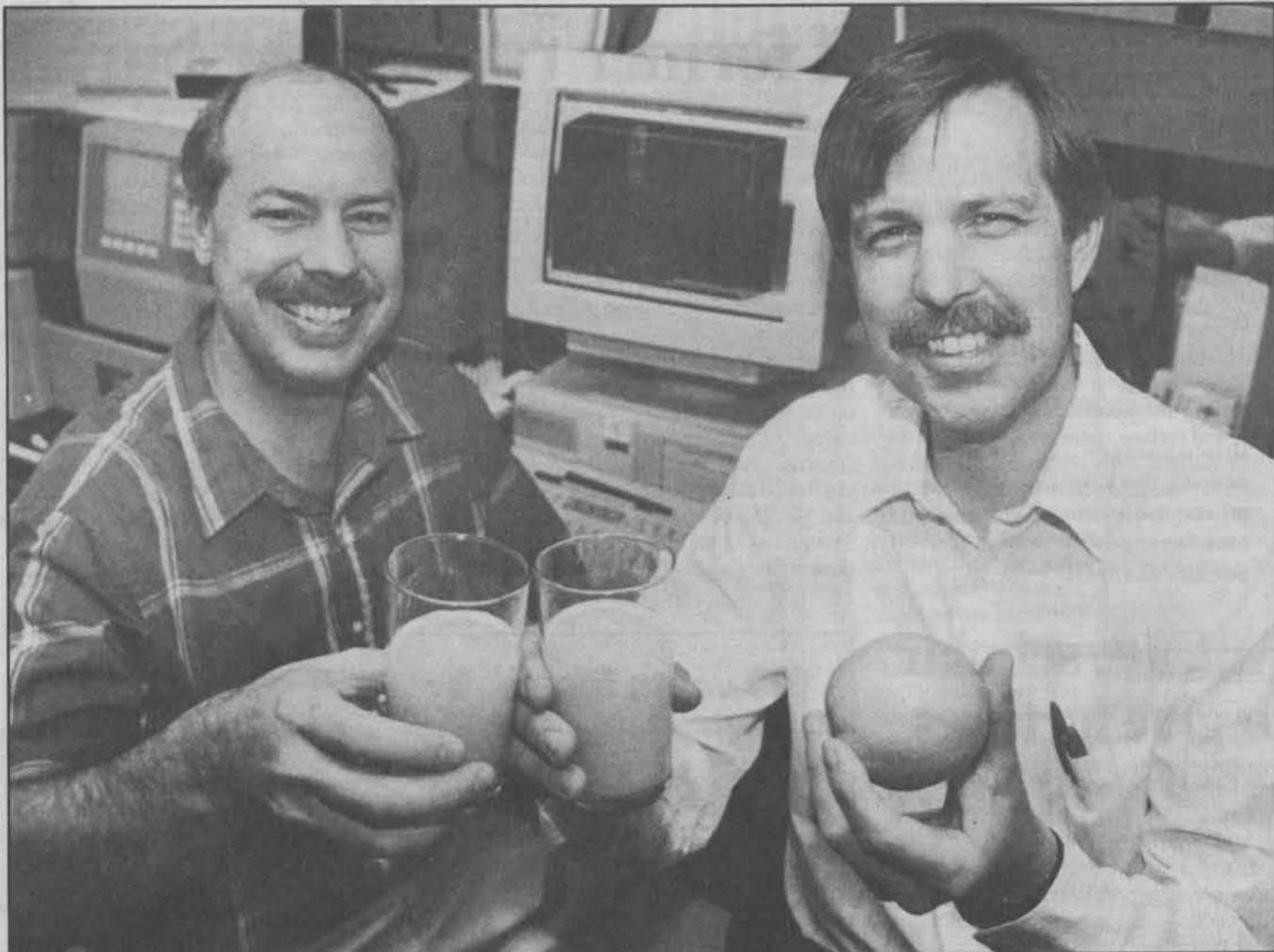
In the orange juice study, Parker and Root studied four groups of 20 rats each. They started feeding the rats orange juice extracts three days before they started feeding the carcinogen aflatoxin to the rats. The first group, the control, received daily doses of a clean edible oil and no juice extract; the second group was fed the full extract composed of all the fat-soluble portions of orange juice. That extract was then further fractionated into two parts which were fed to the third and fourth groups. The third group received an extract containing the flavonoids and the fourth group an extract containing the carotenoids.

While the group receiving the total fat-soluble extract had 40 percent fewer precancerous lesions in their livers than the control, the flavonoid-rich extract had no effect at all. The carotenoid-rich extract resulted in 20 percent fewer precancerous lesions than the control, but this difference was not large enough to be statistically significant. Why didn't the effects of the two subgroups add up to the total beneficial effect of the whole fat-soluble extract?

"One explanation could be that substances from both fractions are needed to produce the protective effect," said Parker, an expert in the metabolism of carotenoids and Vitamin A who teaches nutritional and physical aspects of food.

Such an explanation might explain why single, pure supplements, for example, may prove not to be always as effective as nutrients ingested as whole foods, as plant foods contain thousands of chemicals, many unidentified, which may work together in preventing disease.

"Another possibility is that we are alter-



Sharron Bennett/University Photography

Robert Parker, left, associate professor of nutritional sciences, and Martin Root, research support specialist and doctoral candidate in nutrition, toast orange juice which they have found may help prevent cancer.

ing or destroying the compounds in the process of separating them. In any event, this work supports the recommendation that we eat a diet rich in fruits and vegetables — at least five servings a day," Parker said.

"Furthermore, the data certainly suggest that the regular daily consumption of orange juice, which is widely available, may sig-

nificantly reduce our risk of some cancers," Root added.

Root is obtaining his Ph.D. through the employee degree program. Intrigued by the previous Cornell study on plant extracts and cancer, Root sought out a professor who would help him follow up on the research.

"It's important that Cornell employees realize that if they are interested in something, they can pursue it academically," Parker said. "If it weren't for Marty asking me to work with him on this research, we never would have looked more closely at orange juice and its role in reducing the risk of cancer."



Peter Morenus/University Photography

Novelist Stephen King fields a question during a press conference Oct. 6 at the A.D. White House.

Stephen King *continued from page 1*

gave answers laced with his self-described "terminal smart-ass disease." He knocked Hollywood as "full of emotionally retarded people." He knocked television as having few people "with any brain cells left." And he knocked critics as "sidewalk superintendents."

He said he just loves "to stick it to a reader," gesturing as if he were twisting a knife, and while he is not interested in horror per se, he is interested in "emotional binging" in fiction, and horror happens to work for that.

It works for something.

For when King walked into Alberding, his shoulders slightly hunched, a blue Cornell sweatshirt tossed over his T, the crowd jumped to its feet and applauded with an excitement that has welcomed few other authors who have visited this campus in recent years.

Looking out at the crowd, he said he knew some people probably had not read any of his books. And that would be alright.

"I'm here because independent bookstores made me, and I think they are in danger from the chains and superstores," King said, adding that chains such as "Sam's Club" offer his new book for \$15, though it is marked at \$27.50. "I urge you not to go there," he said.

"The only thing they buy are books by people whose last book was a best seller," he said. "You can get Danielle Steele there; you can get John Grisham; you can get King. But you couldn't get a gay and lesbian anthology; you couldn't get anything about the community's history."

And when you can't get a local poet, a local historian or what he called "guerilla literature" because all that is available are books by the best-selling authors like him, something is wrong.

The lifeblood of the community is threatened. And that, said the man with the \$40-million book contract, worries him.

CU News Service and Chronicle may be reached electronically

Cornell News Service, the university's primary contact for the public through the media, now may be reached electronically via Internet by a variety of means.

The News Service may be reached via electronic mail (e-mail) at this address: <cunews@cornell.edu> This is a new mailbox that serves as a repository of messages both for the News Service and the *Cornell Chronicle*.

Members of the News Service staff still may be reached at their individual e-mail addresses. On campus, those addresses may be found on the Ph Server via Eudora or NuPOP. Elsewhere they are available via Gopher under Worldwide Phone Books and Locators.

The News Service — a unit of the Division of University Relations — also maintains a home page on the World Wide Web, available via Internet at the URL (address) <http://www.news.cornell.edu>. Travelers of the information superhighway can access current and past Cornell news releases, science news and *Cornell Chronicle* stories via this site or via Cornell's CUinfo gopher under Campus/News.

"We are constantly looking at ways to

make it easier for faculty, staff and journalists around the world to contact us," said Linda Grace-Kobas, director of the Cornell News Service. "Now, any faculty member with a news item or story idea, but who is unsure of whom to contact, can reach this office electronically. Similarly, any journalist looking for information can contact us from anywhere in the world."

The News Service also may be reached on CompuServe Information Service, at the address <72650,565> maintained by Larry Bernard, News Service assistant director/senior science editor.

How to reach the Cornell News Service and Chronicle:

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 <http://www.news.cornell.edu>
 Gopher: <cit.cornell.edu> or World/North America/U.S./New York/CUINFO and select Campus/News
 CompuServe: 72650,565 (Larry Bernard)

Reno *continued from page 1*

attorney and as staff director of the Florida House of Representatives Judiciary Committee. She was a partner in the Miami-based law firm of Steel, Hector & Davis from 1976 to 1978, when she was named to the state attorney post.

Reno earned a reputation for integrity and easily won re-election as a Democrat five times in a mostly conservative Republican county.

Reno has remained involved in Cornell. In addition to serving on the Cornell Council from 1972 to 1975, she was on the

Steering Committee of Alumni Leaders from 1984 to 1990. In 1990, she was one of 120 original members of the President's Council of Cornell Women, an advisory group to President Frank H.T. Rhodes. Reno also provided opportunities for Cornell students to serve as externs while she held her Florida post.

Among the awards Reno has received are the Herbert Harley Award of the American Judicature Society in 1981 and the Medal of Honor Award from the Florida Bar Association in 1990.

Life Course Institute renamed in honor of Bronfenbrenner

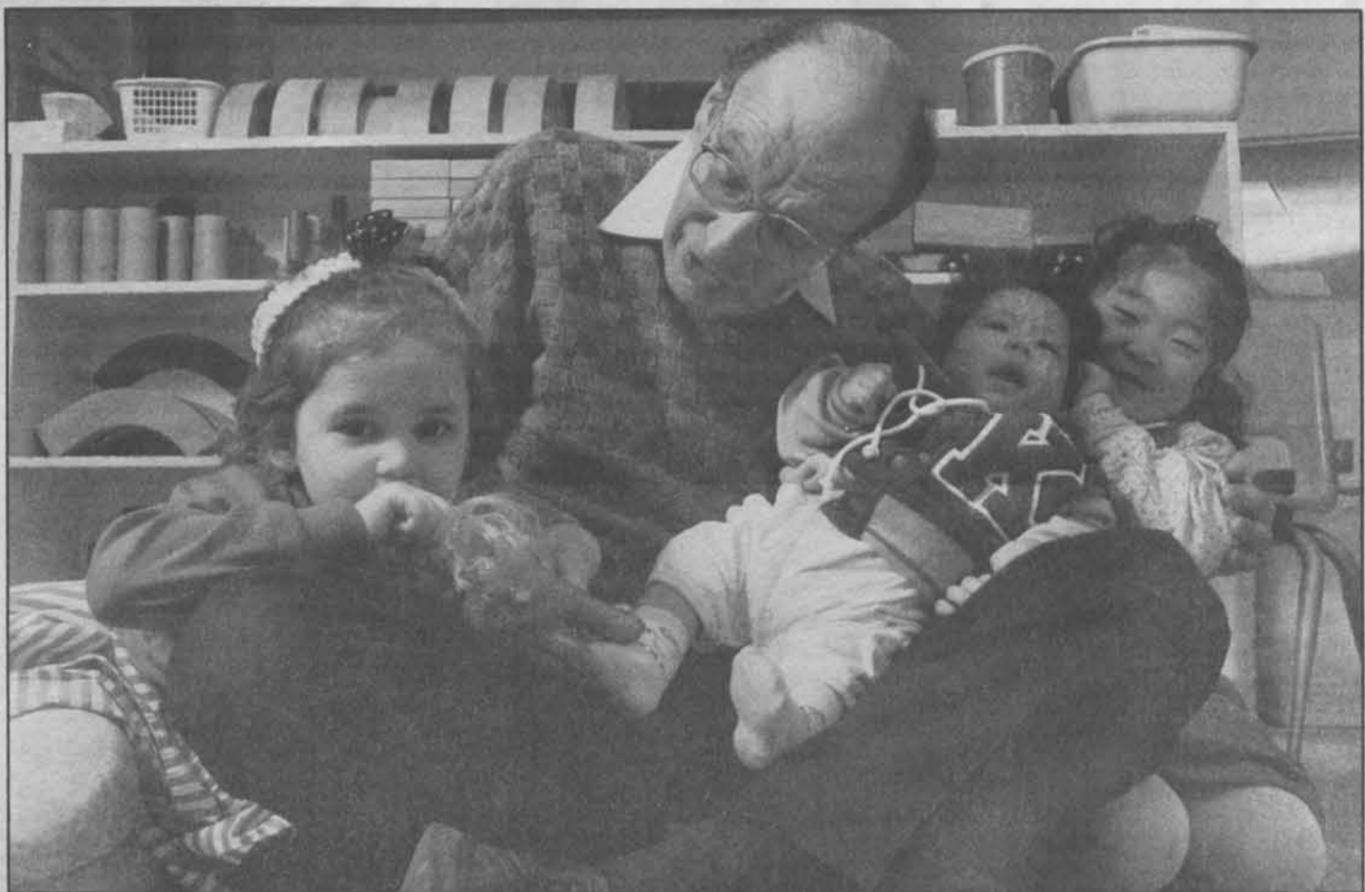
By Susan Lang

WASHINGTON, D.C. — To pay tribute to and embrace the thinking of Cornell developmental psychologist Urie Bronfenbrenner, the Life Course Institute in the College of Human Ecology at Cornell recently was renamed The Bronfenbrenner Life Course Center by the Board of Trustees.

Bronfenbrenner, the Jacob Gould Schurman Professor Emeritus of Human Develop-

'Urie's perspective transcends the traditional disciplinary boundaries of developmental psychology and social research.'

— Francille Firebaugh



University Photography

Urie Bronfenbrenner, the Jacob Gould Schurman Professor Emeritus of Human Development and Family Studies and of psychology, with nursery school children.

ment and Family Studies and of psychology at Cornell, revolutionized the field of development psychology in the late-1970s with his ground-breaking concept of the ecology of human development. In this perspective, the child, family, neighborhood, community, society and even political and economic structures are viewed as nested settings that influence the process of human development throughout the life course.

The Bronfenbrenner Life Course Center, directed by Phyllis Moen, the Ferris Family Professor of Life Course Studies, focuses on faculty-directed, multidisciplinary problem-solving research to help families and individuals cope with the staggering social, economic and demographic changes being experienced in this country. The center encourages and facilitates collaborative research, training and outreach about effective families and individual lives in terms of stability and change over time and across generations.

The center takes Bronfenbrenner's

broader view on the life course: Successful aging is a lifelong process in which decisions and experiences early in life have implications for life chances and choices later on. In addition, the decisions that adults make and how they live can directly affect the next generation.

"Urie's perspective transcends the traditional disciplinary boundaries of developmental psychology and social research," said Francille Firebaugh, dean of the College of Human Ecology. "It is a

model for how we view the life course and will shape our research to derive benefits for the functioning of individuals and families as they age."

A founder of the national Head Start Program, Bronfenbrenner is a member of the faculty in the College of Human Ecology and the College of Arts and Sciences. He is an expert on developmental psychology, child-rearing and the ecology of human development. His written work has been widely translated, and his students and

colleagues number among the most internationally influential psychologists today.

He is internationally renowned for his cross-cultural studies on families and their support systems, human development and the status of children. In numerous publications and testimony before Congress, Bronfenbrenner has warned that our wealthy country is failing its children and families: "The family is the most humane, most powerful and by far the most economical system known for making and keeping human beings human, for developing both competence and character. But in the absence of adequate support systems, external stresses can become so great that even strong families can fall apart. That is what has been happening over recent years in a number of advanced nations, but especially in our own."

Bronfenbrenner has received more than two dozen awards and honors, including the 1993 James McKeen Fellow Award from the American Psychological Society, election as a Foreign Member of the Russian Academy of Education, the Dolly Madison Award from the National Center for Clinical Infant Programs and six honorary degrees.

He is the author, co-author or editor of more than 300 articles and 13 books.

Bronfenbrenner, 77, earned an undergraduate degree in 1938 from Cornell, a master's degree in psychology in 1940 from Harvard University and a doctorate in developmental psychology in 1942 from the University of Michigan. He has been at Cornell since 1948.

About the Bronfenbrenner Life Course Center

The Bronfenbrenner Life Course Center is the outgrowth of the Life Course Institute, created by The College of Human Ecology in 1992.

"This initiative was in response to the need for new knowledge in light of major demographic and social changes and the resultant challenges we face as a society," said Phyllis Moen, the Ferris Family Professor of Life Course Studies and director of the center. These changes include transformations in gender roles, the age structure of the population, the workplace and the family.

"As a result, dramatic shifts have occurred in 'typical' life pathways, family patterns and individual development over the life course. By marshalling the interdisciplinary expertise of faculty across the Cornell campus, we hope to apply new knowledge in the social and behavioral sci-

ences that is relevant to the life course," Moen said.

The Bronfenbrenner Life Course Center supports innovative, collaborative research, service and educational efforts — which are consistent with Cornell's responsibilities as a land-grant and a research university — that are aimed at fostering effective families and lives throughout the life span. Current foci include gender and health, family policy and gerontology.

Current projects supported by the center include studies on neighboring and the physical health of older adults; promoting mental health in elder care; the menopause transition in poor rural women; how the reasons for and timing of retirement affect later well-being; mental health and families that adopt school-age children; how environmental lead affects children's intellectual development; and the long-term impact on

teens of the prenatal/early infancy intervention project.

Within the Bronfenbrenner Center is the Cornell Applied Gerontology Research Institute, a major research institute co-directed by Karl Pillemer and Moen and funded by the National Institute on Aging.

Throughout the year, The Bronfenbrenner Life Course Center also sponsors conferences, a "Distinguished Speakers" series, seminars, Cooperative Extension In-Service Programs, brown bag and works-in-progress colloquia, newsletters and policy briefs. Most recently, it is the sponsor of the symposium celebrating the International Year of the Family (Sept. 26); a conference on adoption (Oct. 7); a workshop with UNICEF and the Division of Nutritional Sciences on child care and nutrition (Oct. 12-16); and a conference on homeworking families (Oct. 20).

Cooperative extension agents find new Asian gypsy moth threat

By Roger Segelken

PLAINVIEW, N.Y. — Cornell Cooperative Extension agents on Long Island are credited with discovering what may be the first positively identified Asian gypsy moths in New York state.

The foliage-eating Asian insects, believed to have originated in the former Soviet Union, distinguish themselves from the more familiar North American variety in three important ways: They consume almost twice as much in one feeding, have a more varied diet and the adult females can fly.

Agents in the Cornell Cooperative Extension of Nassau County discovered the suspect moth's mobility last summer

when a specimen brought for examination to their Plainview office flew across the room. They requested assistance in identifying the moths from the U.S. Department of Agriculture's Animal Plant Health Inspection Service (APHIS) and the New York State Department of Agriculture and Markets.

A total of seven gypsy moth specimens collected on Long Island, on sites at Cornell Cooperative Extension, Planting Fields Arboretum, Bayard Cutting Arboretum, Westhampton Beach, Aqueboque and Montauk, now have been tentatively identified by molecular analysis as having an Asian genotype.

The molecular analysis technique used by APHIS was developed by Richard G.

Harrison, professor of ecology and systematics at Cornell.

Further molecular analysis using other genetic markers will be completed this winter before the Long Island specimens can be confirmed as evidence of an "exotic" introduction of the Asian gypsy moth here. The Asian genotype was first identified in Washington state in the 1980s and, more recently, by the USDA's nationwide Asian Gypsy Moth Port Survey, in nine other states: Connecticut, Delaware, Maryland, North Carolina, New Jersey, Rhode Island, South Carolina, Virginia and West Virginia.

The North American gypsy moth, which was introduced from Europe to Massachusetts in the 1800s, typically feeds

on about 250 trees and shrubs, principally on deciduous or hardwood trees, according to Donna Moramarco, a horticulture educator at the Nassau County Cornell Cooperative Extension office. The Asian moth, however, is known to eat evergreens, such as Douglas fir and hemlock, as well as oak and birch, she said.

"They attack a wider variety of shrubs and trees, they consume more foliage and they can spread farther and faster because the female [Asian gypsy moth] flies," Moramarco said.

The Long Island moths under study by the USDA all possess a genetic marker now believed to occur only in gypsy moth populations in Asia and portions of Europe, Moramarco reported.

\$2 million Hughes grant for science ed

By Roger Segelken

An innovative science-education experiment at Cornell has succeeded and will be expanded with a \$2 million, four-year grant from the Howard Hughes Medical Institute.

The Hughes biological sciences program at Cornell, under way since 1989, introduced high school students across New York to the principles of molecular biology and genetics by practicing DNA profiling. Their science teachers were computer-linked to Cornell faculty members and to other New York teachers with advanced summer training in biology well before life on the Internet became electronically correct.

Meanwhile, scores of undergraduates conducting hands-on research in laboratories of the university's leading scientists discovered that biology classes are more than tickets to punch on the way to medical school. Another Cornell program for undergraduates, initially funded by the Ford Foundation, sent thousands of freshman biology students to the laboratories and field work sites of faculty members to learn what all the excitement was about.

The Cornell grant is among 62, totaling \$86 million, awarded this year by the Howard Hughes Medical Institute to enhance the quality of life sciences education.

"We're seeing a profound change in the way many college students learn science," said Joseph G. Perpich, the Hughes Institute vice president for grants and special programs. "Literally hundreds of colleges and universities are quietly developing new approaches that attract more students to science while maintaining rigor and quality."

"We are gratified that the Hughes Institute recognizes the success of our multifaceted approach to improving science education at all levels," said Peter J. Bruns, director of the Cornell Division of Biological Sciences and principal investigator for the first five-year Hughes program at the university as well as for the next one. Noting that teaching materials developed in the first phase are now being used throughout New York and around the United States, Bruns said: "We were surprised how well many of these techniques were received, we have learned about things we can do better, and now we're ready to expand."

One new direction is the Cornell Biology Apprentice Program, which will open work-study opportunities for underrepresented minority students in their freshman and sophomore years while supporting independent research in the junior and senior years.

The apprentice program's objective of enhancing undergraduate access to research "is consistent with this office's objective to develop job-related research opportunities for underrepresented minority and educationally disadvantaged students," said May B. Hines, Cornell's executive director of Minority Educational Affairs, in commit-



Doug Hicks

Learning techniques that weren't invented when they attended college, participants in last summer's Cornell Institute for Biology Teachers time an enzyme assay in the molecular biology laboratory. From left are Tom Moser, Olean High School; Larry Hohl, L.C. Obourne High School, East Rochester; and Patricia Nolan, Scotia-Glenville High School.

ting \$200,000 in matching funds for the apprentices. The new program also will support a Minority Biology Club and travel to scientific meetings while bringing successful minority scientists to campus.

Another program for undergraduates, Explorations, has about 100 Cornell faculty members each semester introducing more than 1,000 students in introductory biology classes – in groups of six to 12 – to their latest research. Topics for the half-day,

with faculty scientists and conducting their own original research. By expanding the summer scholars opportunity to include college juniors, Hughes program planners at Cornell hope to influence younger students – who have not yet decided what to do after graduation – to consider a career in research.

Well before students enroll at Cornell or any other college, the outreach part of the university's Hughes program is improving high school science curricula in ways most

Hughes program travels from school to school helping to implement the new labs.

Among the footlockers in the lending library are kits to demonstrate DNA gel electrophoresis, the process for genetic fingerprinting, protein gel electrophoresis and stereo- and video-microscopes.

Teacher-graduates of the summer institutes keep in touch by way of computer network, exchanging information to improve biology instruction in the high schools and seeking assistance from Cornell faculty members. They return to campus twice a year to further update their knowledge, often bringing along interested students for a sampling of biology, college-style.

The new high school materials for molecular biology and genetics made such a difference that it revealed the need to update other aspects of biology, teachers told Rita Calvo, coordinator of the Cornell Institute for Biology Teachers. So the Cornell program will use part of the Hughes grant to develop new teaching modules – including hands-on laboratory exercises and readings on social and ethical issues – on additional topics: reproduction and development, human physiology and basic chemistry for biology.

"We found that students learn more and become more interested in science when it's presented by enthusiastic teachers and when opportunities for interesting hands-on labs are provided," said Calvo, associate director for outreach programs in the Division of Biological Sciences and a college-level instructor in genetics at Cornell. "CIBT revitalizes teachers, keeps them in contact with other professionals and equips them with the means to do exciting labs in their classrooms."

'Literally hundreds of colleges and universities are quietly developing new approaches that attract more students to science while maintaining rigor and quality.'

– Joseph G. Perpich

hands-on introductions range from equine behavior, video microscopy and sex differences in the brain to glow-in-the-dark bacteria, global climate change and the calming effect of mother's milk.

"The research community at a major university can be invisible to freshmen. Most have no sense of what motivates faculty-researchers, what turns us on to science, until they take advantage of something like the Explorations program," said Bruns, a geneticist, noting that the program has been suggested as a model for research universities.

Students who get turned on to science can apply to the Hughes Scholars Summer Research program at Cornell, spending the summer before their junior or senior year learning advanced techniques, working side-by-side

rural and urban districts with minority enrollments would find impossible. A summer residence program, the Cornell Institute for Biology Teachers has trained more than 100 teachers from New York and Ohio to lead their students through laboratory exercises in molecular biology and modern genetics – fields where much has changed since the teachers were in college.

The high school teachers also receive funds to buy the supplies their classes will need to conduct the laboratory exercises. An equipment-lending library, operated as a community service by the Cornell Biotechnology Program and supported by industry, circulates footlockers filled with specialized lab equipment to participating schools, and an extension associate from the Cornell-

Community Report is in the mail

More than 40,000 copies of the latest edition of Cornell's *Community Report* are being mailed to households in Tompkins County this week.

Community Report focuses on some of Cornell's many outreach programs involving local schools, youth and Cornell host communities, according to David I. Stewart, Cornell's director of community relations. The 16-page report also includes an eight-page calendar pull-out that lists cultural, athletic, performing-arts and other events during the 1994-95 academic year.

"Cornell students, staff and faculty are involved in a variety of programs that benefit our area schools, the city,

towns and villages and community agencies," Stewart said.

"They take part in community-service projects, feed the hungry and homeless, raise money for local social and service agencies, and provide a wealth of expertise to our host communities," Stewart said.

The 1994-95 *Community Report* includes information about a downtown development proposal for the village of Groton, the Hospicare Center in the town of Ithaca and the Sciencenter in the city of Ithaca.

Challenge Industries has prepared the mailing of *Community Report*, which should arrive in homes by Oct. 15.

Fish-farming workshop on Nov. 5

Hands-on instruction in fish-farming is offered at an Intensive Water Reuse Workshop, scheduled 8:30 a.m. to 5 p.m. Nov. 5 at the Cornell Animal Science Teaching and Research Center in Harford, N.Y.

The workshop is presented by Michael B. Timmons, professor of agricultural and biological engineering, and William D. Youngs, professor of natural resources, in the College of Agriculture and Life Sciences, and is designed to be an intensive, one-day session on water reuse system design and management. Information on prototype starter systems as well as commercial-scale units will be discussed, with hands-on laboratory experiences included at Cornell's aquaculture research facility.

The necessary equipment and materials to start a fish-farming system will be described. The \$95 fee includes lunch, a 200-

page textbook and hand-out materials. Pre-registration by Oct. 31 is required.

In addition, Cornell's Department of Agricultural and Biological Engineering is offering three-month internships in aquaculture. The internships are learning experiences in all areas of water reuse aquaculture with some exposure to traditional fish-farming systems. Interns will build and operate their own water reuse systems.

Students will be provided dormitory housing and kitchen facilities on site. Cost of the program is \$1,000, with enrollment limited to four interns per class.

For more information on the Nov. 5 workshop or the internship program, contact Carolyn Vander Weide, 304 Riley-Robb Hall, Cornell University, Ithaca, N.Y. 14853-5701, phone 255-2280, fax 255-4080, e-mail <cv12@cornell.edu>.

Utermohlen is teacher, adviser, friend, author, mother

faculty profile

At first glance, a tenured professor's security and flexible hours may seem like a soft life. But professors committed to their teaching and research can easily put in a grueling 80-plus hours a week. And amid the pressures of such a work load, they still maintain standards of professional excellence while being emotionally accessible to their students.

One such committed professor is Virginia Utermohlen, M.D., associate professor of nutritional sciences. In 1984 Utermohlen received the Distinguished Teaching Award in Human Ecology. She has carried out extensive research on polyunsaturates, including their effects on multiple sclerosis and on lymphocyte function. Currently, she is researching the relationship between emotions and eating patterns.

Utermohlen's day begins at 6 a.m. This Wednesday morning last spring her daughter, Evera, who was a high school junior, is sick with a cold, so Utermohlen doesn't have to make sure she is up and at the school bus stop by 7:26. When she arrives at the

tolerate ambiguity and are more confident in their ability to think through problems that may have a number of solutions, none of them perfect. It's exciting to see that third phase arrive."

A little before 10 Utermohlen takes a few minutes to finish her notes for a presentation at a meeting of deans and department chairs. She then rushes to this meeting where she and Kay Obendorf, professor of textiles and apparel, outline a potential curriculum initiative that would be unusually interdisciplinary.

At 11:15 the anatomy and physiology lecture begins, and Utermohlen has decided to change the format from straight lecture to more of a seminar, despite the fact that there are more than 80 students in the class.

"I pay a lot of attention to how the students react to my teaching. I want to know how I can improve what I'm doing. Last week a student mentioned that she'd like the class to be more interactive.

"In recent weeks I have mostly been lecturing, and that can get dull. I prefer a lively, give-and-take atmosphere. But some students prefer a structured teaching style, and I want to meet their needs too. For now, because of that student's comment, I'm going to concentrate on an interactive environment," she said.

The students are given a quiz on the body's major muscle groups. Later, there is a discussion with accompanying graphics on the oxygen needs of the heart and the metabolism of cells.

Next, it's on to a class on research design; Utermohlen has to leave a few minutes early to attend a meeting of the Educational Policy Committee, the collegewide group that decides the college's curricula.

Office hours are next, and several pre-med students come in to talk over how to handle time pressure. Utermohlen, whose medical specialty was pediatrics, values her role as an adviser and confidante and says that she could never do strictly research because she would miss listening to and guiding students.

The group of students leaves around 5 p.m., and Utermohlen's teaching assistant comes into the office to enter grades into the computer. Utermohlen gets home at 5:45 and has dinner with her daughter. They discuss the day's events and *The Grapes of Wrath*, which Evera was reading for class.

"We discussed how she felt about the hardships and ethical problems presented in the book. We're always talking about values, what's good or bad, what you should do in "X" circumstances. I'd say we spend 90 percent of our time talking about values and



David Lynch-Benjamin/University Photography

Utermohlen values her role as an adviser and confidante.

the other 10 percent discussing when I'm going to pick her up or drop her off."

At 8:30 Utermohlen drives back to her office to prepare for one of the labs she's teaching the next day, which will focus on EKGs, and to catch up on some paperwork. She calls the person who is supposed to pick up a cow's heart for the EKG demonstration but can't reach him, so has to be sure to get to the Veterinary College herself by 8 a.m. and back in time for the lab.

She arrives home at 11 p.m. and receives a call from a friend, an editor at a publishing house. They talk about Utermohlen's textbook on clinical nutrition slated to be published by another publishing company, MacMillan, this fall.

"I may yet have a book published in my

lifetime," Utermohlen says.

When she finally goes to bed around midnight, she's thinking about tomorrow's schedule, the Health Careers Evaluation committee interview she'll be doing for a student planning to attend medical school, the meeting of the Human Ecology Health Careers Program she'll be conducting with Alanna Coughlin, the undergraduate leader of the organization, and how her daughter won't be getting home from her away basketball game in Horseheads until 11 p.m.

"Another late night tomorrow," Utermohlen thinks to herself. "Ah, but the weekend is coming. Maybe this weekend I'll get caught up: the journals, the books, the garage cleanup. . . ."

Center for Hospitality Research names director

By Darryl Geddes

Leo M. Renaghan, associate professor of services marketing, has been appointed director of the Center for Hospitality Research at Cornell.

Renaghan succeeds John B. Corgel as the center's director. Corgel will return full time to his post as associate professor of hotel administration.

The Center for Hospitality Research, established in 1992, provides a forum for scholars and industry professionals to collaborate on research aimed at addressing industrywide issues. The center's partners and sponsors include Holiday Inns Worldwide, Medallion Hotels, Procter & Gamble, Cine-Little, ECOLABS, Banfi Vintners and NHV Hotels International. ARA Services provided assistance in meeting the center's start-up costs.

As director of the Center for Hospital-

ity Research, Renaghan will be responsible for recruiting corporations to become members. "This is an ideal time for organizations that have a major stake in the industry to be involved with the center," Renaghan said. "By doing so they will have a strong voice in shaping the center's priorities and research endeavors for the near- to medium-range future."

Results and updates on some of the center's research will be presented at the center's symposium Nov. 15 at the New York Hotel Show. Research projects to be discussed, all of which are being presented by Hotel School faculty, include:

- "Benchmarking General Managers' Performance In a Hotel Chain," by Richard Morey and David A. Dittman, Hotel School dean and E.M. Statler Professor;
- "How Corporations Make Decisions About Travel," by Associate Professor Russell Bell.

Renaghan, who joined the Cornell faculty in 1982, has authored reports on hospitality marketing, hotel development in Asia, data-base marketing and value-based pricing and has conducted and presented at international conferences, workshops and seminars on food and beverage marketing, hotel marketing, planning and service quality management strategies.

Renaghan has served as a consultant to Hilton International Hotels and Inter-Continental Hotels, among others.

Renaghan earned a bachelor's degree from the University of Massachusetts, a master's of business administration from Michigan State University and a doctorate from Pennsylvania State University.

For information on the Center for Hospitality Research, contact Renaghan, School of Hotel Administration, 448 Statler Hall, or call 255-4067.

D'Entremont takes new post

Robert d'Entremont, who has served as associate director of public affairs for the Cornell University Library since 1991, has been named director of public affairs for the School of Hotel Administration. The appointment was effective Aug. 18.

In his new post, d'Entremont will direct the school's \$55 million endowment campaign, which is expected to be completed by December 1995.

D'Entremont served as director of the Cornell Army ROTC program from 1989 to 1991. He came to Cornell from Canberra, Australia, where he was an adviser to the Australian Defense Forces. He retired from the U.S. Army after 24 years of service that included tours in Vietnam, Korea, Germany, Lebanon and at the Pentagon.

D'Entremont received a bachelor's degree from Campbell University and a master's of business administration from St. John's University.

Mycology symposium will honor career of Richard Korf

A symposium to honor the distinguished career of Richard P. Korf, emeritus professor of mycology, will be held Friday, Oct. 21, from 1:30 to 5:30 p.m. at the Boyce Thompson Institute auditorium.

The symposium is sponsored by the Whetzel-Westcott and Dimock funds administered by the Department of Plant Pathology. The topic of the symposium is "Mycology: Past, Present and Future." Speakers were selected to give a broad overview of the field of mycology, including traditional mycology, current research and future challenges.

Korf first came to Cornell as an under-

graduate in 1942. He received a B.S. in botany in 1946 and immediately began a Ph.D. program in the Department of Plant Pathology under the direction of H. M. Fitzpatrick. After completing the Ph.D. degree in 1950, Korf spent a year as a lecturer in Botany at Glasgow University in Scotland, before returning to Cornell as assistant professor of plant pathology in 1951. He was promoted to associate professor in 1955, to full professor in 1961, and has held a joint appointment in the L. H. Bailey Hortorium since 1982. Even after retirement, he continues to teach in the Department of Plant Pathology, and to guide graduate students.

Korf has become internationally recognized as an expert on discomycetes. He enriched the field of mycology by publishing almost 300 scientific articles and by training 21 Ph.D. and 12 M.Sc. students. Many of his former students have gone on to hold prominent positions as mycologists, both here and abroad. He is a past president of the Mycological Society of America, was managing editor of *Mycotaxon* and book review editor of *Mycologia* for many years and currently is on the editorial board of *Persoonia*. He was a Fulbright Scholar twice, at Yokohama National University and at the Universite Catholique de Louvain.

Korf will present a talk entitled, "Fifty Years of Fun with the Discomycetes, and What's Left to Do," at the symposium in his honor. Other speakers will include former Korf student Donald Pfister, of Harvard University, to speak on "Discomycetes, Nematodes and Life Cycles." The symposium is free and open to all.

Following the symposium, there will be a banquet in honor of Korf at the Ramada Inn near Pyramid Mall. There is a charge for the banquet, and advance reservations are required.

For more information contact Stewart Gray (255-7844 or smg3@cornell.edu).

Meakems give gift of directorship

"Early childhood is perhaps the most critical time in human development, the key stage of life when factors that affect the rest of life are set," says Diane Baillet Meakem '61 (Human Ecology) and John J. Meakem Jr. '58 (ILR).

The two have invested in the well-being of children and families by making a gift of \$1 million to establish an endowed position, the Jack and Diane Baillet Meakem Director of the Cornell Early Childhood Program in the College of Human Ecology. The Meakems were honored as foremost benefactors of Cornell for their gift by President Frank H.T. Rhodes and Human Ecology Dean Francille Firebaugh on Sept. 23 at Cornell.

The endowment will be used to enhance the work of the director of the program, which provides a combination nursery school and day care center for about 50 children from a wide range of ethnic, racial and socioeconomic backgrounds. Started in 1925, the program, which is an integral part of the Department of Human Development and Family Studies, also serves as an important resource for research, teaching and extension.

The gift will provide key funding for the director's position, thereby enhancing the stability of the entire program. Specifically, the funds will be used to provide income for the salary of the director, currently Elizabeth Stilwell, staff assistance, equipment, books, travel, membership in professional societies and related purposes that will add



President Frank H.T. Rhodes, left, and his wife, Rosa, chat with Diane and Jack Meakem at a dinner in their honor Sept. 23. Jon Reis

value to the director's work and ensure that the program achieves its full potential as a model program.

"With the increasing number of dual-career and single-parent households, programs for children and families have to be carefully thought out and evaluated so that young people have the best possible start in life," says Diane.

"The quality of parenting and family relationships is so important. Good family citi-

zenship leads to good national and world citizenship," adds Jack. "Diane and I feel strongly that the College of Human Ecology's commitment to finding better ways to help children and families has a positive influence on the development of national and worldwide policy helping families."

Jack Meakem is chair, CEO and president of Advanced Polymer Systems Inc., with offices in Greenwich, Conn., and Redwood City, Calif., and a manufacturing cen-

ter in Lafayette, La. The company specializes in patented drug delivery systems. Diane Meakem is a member of the Byram Hills Board of Education. The couple has five children, including two Cornellians: Bruce '90 (Arts) and Chip '93 (Arts).

In making the gift to Cornell, the Meakems said that they hope the Cornell Early Childhood Program will become even more of an international model of child care and counseling for the entire family.

Fuel for thought

- With only 4.7 percent of the world's population, America consumes approximately 25 percent of the total fossil fuel used each year.

- The United States now imports about one half of its oil at an annual cost of approximately \$65 billion. Proven U.S. oil reserves are projected to be exhausted in 15 to 20 years. Natural gas reserves are expected to last slightly longer.

- Coal reserves in the United States are projected to last 100 years, based on current use and available extraction processes unless the predicted depletion of oil and gas causes a switch to coal.

- The energy bill for the average American household would be \$424 higher a year, were it not for federal subsidies to the nuclear energy and fossil fuels industries.

- Although biomass is considered to be a renewable, solar-based energy source, burning trees or other plant material to make electricity has its problems. It takes as much land to grow the trees for the energy needs of a city of 100,000 as it does to grow their food.

- At present, production of electricity from photovoltaic cells costs about 30 cents per kWh (kilowatt hour). Improvements in materials and technology are expected to lower the cost to 10 cents per kWh by the end of the decade and as low as 4 cents by the year 2030. The target cost for making photovoltaic cells truly competitive with more traditional sources is 8 cents per kWh.

From "Renewable Energy: Economic and Environmental Issues," *BioScience*, September 1994.

Solar energy could serve most U.S. needs

By Roger Segelken

Advances in solar energy technologies should enable that renewable energy source to substitute for all but a fraction of this country's fossil fuel needs by the middle of the next century, an analysis by Cornell ecologists indicates.

But a secure future is possible only by reducing energy use to a level close to what Europe is using, the ecologists predicted, reporting in the September 1994 issue of *BioScience* magazine.

"If the United States does not commit itself to conservation and to the transition from fossil to solar energy during the next decade or two, the economy and national security will be adversely affected," said David Pimentel, a Cornell professor of ecology and systematics.

Today, only 7 quads (or 7,000,000,000,000,000 btu) of the 85 quads of energy used annually in the United States comes from solar sources, such as solar thermal, passive solar and photovoltaics, as well as biomass, hydroelectric and wind power. By the year 2050, solar sources could produce more than five times as much — 37 quads — the ecologists report in the article, "Renewable Energy: Economic and Environmental Issues." One quad equals 171.5 million barrels of oil.

The human energy needed to research and analyze the complex issue came from 11 students in the class, "Environmental Policy," led by Pimentel. Each year the class tackles a significant environmental question, such as the economic cost of pesticide use or the planet's capacity for

population growth. Their findings, published in major scientific journals, invariably make news and have influenced public policy.

The Cornell analysis of renewable energy sources took into consideration all kinds of costs: the amount of land needed for production or extraction of the fuels; the costs of production, transportation and consumption; and the direct and indirect cost to the environment.

That kind of analysis showed a promising future for some types of fuel, such as hydrogen, although they are not competitive in price at the present. Other renewable energy sources, such as ethanol and methanol, will probably always have serious economic and environmental liabilities, the analysis demonstrated.

Considering the energy return on investment, the clear "winner" is hydroelectric power, the analysis found. Costing only 2 cents per kWh (kilowatt hour) to produce, hydroelectric boasts a 48:1 return on investment.

By comparison, coal, at 8:1, produces \$8 worth of energy for every \$1 invested and nuclear energy has a 5:1 return on investment. Producing electricity with large-scale, centralized solar collectors yields the second best return, at 10:1, followed by photovoltaic production of electricity from the sun, at 9:1. Wind power yields 5:1; solar ponds, 4:1 and burning of biomass, such as trees, for electricity yields only 3:1.

Availability of suitable land will be the principle limiting factor in converting to solar energy sources, the analysis concluded. Some space can be saved — by planting crops beneath wind turbines, for example, or installing solar collectors atop buildings — but even dedicating 20 percent of the United States' land area to solar energy would yield only 43 percent of the energy currently consumed in the U.S.

Only conservation and population reduction will make up the difference, the student ecologists said.



Pimentel

FBI counsel Shapiro talks of agency's future

Howard M. Shapiro, who is on leave from the Cornell Law School to serve as general counsel for the FBI, will present "The FBI in the 21st Century" Oct. 18 at 6 p.m. in the MacDonald Moot Court Room of Myron Taylor Hall. The lecture, the first in the annual Cornell Law School Criminal Justice Society Speaker Series, is free and open to the public.



Shapiro

As general counsel, Shapiro advises the FBI director, Louis

Freeh, on legal matters such as ordering undercover activities and electronic surveillance, agency hiring and promotion practices, forfeitures and other legal and law enforcement matters.

Shapiro worked with Freeh as a federal prosecutor in New York and then on the prosecution of a Georgia man for the 1989 mail bombings that killed a federal judge and an African-American civil rights leader.

Shapiro taught criminal law and evidence at the Cornell Law School for one year before taking a leave of absence in 1993 to accept the FBI post.

A graduate of Yale Law School, Shapiro clerked for Federal Judge Pierre Leval, Southern District of New York, before becoming an assistant U.S. attorney.

Computers in physics



College of Arts and Sciences Dean Don M. Randall is shown his way around a new physics computer lab in Rockefeller Hall, made possible by an anonymous donor. Junior Philip Farese recently showed the dean a program available on a computer in the lab.

Peter Morenus/University Photography

New community service program available in New York City

By Susan Lang

After three years of prelims, papers and privilege in the pastoral hills of Cornell, undergraduate students now have the unique opportunity to put it all into practice in communities of the most diverse city of the world.

The new Community Service Project of the New York City Urban Semester Program: Multicultural Dimensions in Urban Affairs, allows students to forge lasting university-community bridges by taking on community service projects that are developed and delivered by the students themselves and then maintained by future students. The course is offered by the College of Human Ecology.

Many Cornell undergraduate students in the New York City Urban Semester work as interns in a job of their choice under the direction of a workplace supervisor. Students in the Community Service Project, however, work in autonomous teams on community service projects that benefit children and families yet also focus on supporting cultural diversity while generating unity.

"American cities are undergoing a dramatic demographic shift, in which so-called minorities are increasingly becoming majorities. Our students - tomorrow's professionals - need experience in how to manage diversity, promote unity and support self and group identity," said Sam Beck, an anthropologist who heads the Urban Semester and serves as mentor, faculty adviser and teacher to the 40 students that live and work for an average of 12 to 15 credits in New York with him each semester.

In a pilot program to be launched in January during intersession (winter session), six students will be recruited, for example, to work with the Banana Kelly Community Improvement Association in the South Bronx, a community development corporation founded in 1977 that has rehabilitated 2,000 living units, many in buildings that otherwise would have been demolished.

Now involved in family and youth programming, among other community initiatives, Banana Kelly has funded a project with Cornell in which students will work with children, some who were previously homeless, in an after-school photography project focused on creating community.

The children will photographically docu-

'Our students - tomorrow's professionals - need experience in how to manage diversity, promote unity and support self and group identity.'

- Sam Beck

ment places in their neighborhood where "people get along to create community." Its purpose is not only to explore the meaning of the community and to write about building harmony in diverse communities, but also to broaden the students' visions of their own personal futures.

Other Cornell students in the Community Service Program are involved in producing "Ouch! . . . Be Careful," a newsletter of the art and writings of burn patients at the Cornell Medical Burn Center. The newsletter not only serves as a therapeutic tool for the patients to reflect on their burn experience but also to enlighten those who work with the patients.

Students in the program also assist burn victims with physical therapy, participate in Grand Rounds, and may also work in a

laboratory and on research projects.

A third Community Service Program in place is at the Women's and Children's Health Center of Western Queens. Students help market the center's services to prospective patients by providing outreach and information on health care services, attending community meetings, nurturing relationships with some 22 agencies in the area; coordinating education services on sickle-cell anemia, lupus, cancer, HIV and other medical concerns; operating a community-based outreach van; designing and distributing surveys to targeted agencies and their populations and analyzing data from survey findings.

In each case, students identify future needs and help set the agenda for their successors. Each semester, each new group of students shapes its own programs of study.

"These programs provide a striking contrast to the education students have received on campus," Beck pointed out. "The best way to learn about diversity is to experience it and live in it and work in it. This program gives the students an intense immersion experience in which they do something meaningful and concrete while conducting 'participatory action research,' that is, learn about a community as full participants, not passive observers or distant outsiders and in partnership with the community itself."

Students in the Urban Semester, including those doing internships, live in Cornell Medical College dormitories and participate in guided lecture tours through ethnic neighborhoods, meetings with community leaders and seminars that encourage the students to express and flush out each others' assumptions, biases and preconceptions about race, class, ethnicity, assimilation, separatism, community, privilege, poverty, opportunity, human rights, public policy and the meaning of identity and being an American.

For information on the Community Service Project or the Urban Semester in general, call 255-1846 or visit N139 Martha Van Rensselaer Hall.

Lecture Oct. 18 on rise of the new South Bronx

To help launch the new Community Service Project of the New York City Urban Semester Program: Multicultural Dimensions in Urban Affairs, offered by the College of Human Ecology, Yolanda Rivera, chair and CEO of Banana Kelly Community Improvement Association, will deliver a university-wide and free lecture.

The lecture, "The Rise of the New South Bronx: From Demolition to Democracy," is scheduled for noon on Tuesday, Oct. 18, in Room 114, Martha Van Rensselaer Auditorium.

Rivera will discuss the development of Banana Kelly and its rise as the one of the most innovative and successful community improvement associations in the country. Banana Kelly began in 1977 when a group of South Bronx residents fought the

demolition of three abandoned buildings with the hopes of creating new housing.

Over the years, and largely under Rivera's direction, who has been with the organization since 1980, Banana Kelly has evolved into a powerful neighborhood movement that built or renovated 2,500 housing units, half of which are owned by residents as cooperatives.

Banana Kelly now manages 40 buildings of safe and affordable housing for more than 1,000 families; it has generated or helped develop a large vegetable garden, children's playground, a 7.9-acre park and ball field complex.

In addition, Banana Kelly spearheads numerous programs to boost the self-sufficiency of youth, families and individuals. Tenant and community services include walk-in information

and referral; assistance in housing, public entitlement, health care, immunization vaccines and lead screening, child care, job training and employment services; and technical assistance and loan packaging consultations for minority and women-owned businesses.

One such program under Rivera's direction, for example, trains youth in construction and maintenance skills and then helps place them in jobs or continued schooling.

Rivera has brought millions of dollars for the rehabilitation of housing in the South Bronx, helped minority businesses form and remain competitive in a declining business market, and has been the catalyst for leadership development to ensure that the "pueblo" she has helped create will never be destroyed.

CALENDAR

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Joint Ethnic Studies

"Exploitation and Dispossession: The American Indian and African-American Experience," Robert L. Harris Jr., Africana Studies & Research Center, and Kathryn Shanley, American Indian Program, Oct. 17, 4:30 p.m., A.D. White House.

Life Course Institute

"Strong Family, Strong Soldiers: Preventing Spouse and Child Abuse in the Military," Marney Thomas, Family Life Development Center, Oct. 18, noon, 114 MVR Hall

Professors at Large

"Can Scientists Provide Credible Advice in Washington?" Frank Press, Carnegie Institution, Oct. 18, 4:30 p.m., Room D, Goldwin Smith Hall.

Southeast Asia Program

"What Happened to Ahmad Kotot?" Hendrik Maier, State University of Leiden, The Netherlands, Oct. 13, 12:15 p.m., Kahin Center, 640 Stewart Ave.

"Subversion as Foreign Policy: Eisenhower's Indonesia Debacle," George McT. Kahin, International Studies, Oct. 20, 12:15 p.m., Kahin Center, 640 Stewart Ave.

University Lectures

"Further Thoughts on *The Journey to the West* as Religious Allegory," Anthony Yu, University of Chicago Divinity School, Oct. 13, 4:30 p.m., Hollis Cornell Auditorium, Goldwin Smith Hall.

Women's Studies Program

"Sexual Orientation in Animals," Elizabeth Adkins-Regan, Arts and Sciences, Oct. 14, 3:30 p.m., ILR Faculty Lounge, Ives Hall.

"Caste and Women: Dalits and the Woman's Body," Susie Tharu, series editor of *Gender Culture and Politics*, Oct. 17, 4 p.m., G08 Uris Hall.

MUSIC

Music Department

The *Ithaca Opera*, under the baton of its artistic director Edward Murray, and its stage director Patricia Heuerman, will perform Leonard Bernstein's "Candide," Oct. 14-16 at 8:15 p.m. in Barnes Hall. Tickets are available at Borealis Book-

store, Hickey's Music Center, or by calling the IOA: 272-0168 or Lincoln Hall: 255-4760. Tickets are: \$15/regular and \$12 for students/seniors.

• On Oct. 18 at 8:15 p.m. in Barnes Hall, Malcom Bilson will give a fortepiano recital of Beethoven's music, with Roy Howat on the piano. Bilson will perform on two different instruments: "Sonata in D Major, op. 10 no. 3" and "Sonata in D Minor, op. 31 no. 2" ("Tempest") on a 1991 Chris Maene copy of a 1785 Anton Walter fortepiano; and the "Sonata in E Major, op. 109," as well as the "Sonata in A Major, op. 101" on a 1830 Gottlieb Hafner original fortepiano restored in 1993 by Edwin Beunk and Johan Wennink. Free. 257-4760.

• On Oct. 20 at 8:15 p.m. in Barnes Hall, French music will be performed by Roy Howat from Scotland. Internationally known for his expertise in French music, this performance includes Gabriel Faure's "Nocturne no. 6, op. 63"; Claude Debussy's "Five Etudes"; Chabrier's "Ten pieces pittoresque" and Faure's "Barcarolle no. 5, op. 66." Free.

Chamber Music Series

The Juilliard String Quartet, considered America's premier string quartet, will open the 1994-95 season Oct. 14 at 8:15 p.m. in the Statler Auditorium. The Juilliard will perform Beethoven Quartets, op. 59, no. 1 and no. 3 and the Bartok Quartet no. 3. Tickets are \$11 to \$19 for students and \$14 to \$22 for the general public, and are on sale at the Lincoln Hall ticket office, Monday through Friday from 9 a.m. to 1 p.m. 255-5144.

Cornell Folk Song Club

On Oct. 15 at 8 p.m. in Kaufmann Auditorium in Goldwin Smith Hall, Priscilla Herdman will perform traditional and contemporary songs. Advance tickets at \$6 are available at Borealis Books, Rebob Records and the Commons Coffeehouse in Anabel Taylor Hall.

Johnson Museum

On Oct. 16, the Cornell Jazz Ensemble will perform at 3 p.m. Free.

Seth Kaufman Concert

On Oct. 15 at 8 p.m., Seth Kaufman '94, pianist and composer, will give a solo piano concert in the Statler Auditorium. The concert will feature works from "Cascadilla" and Kaufman's new album, "The Blue Light." Reserved seats are \$4 in advance, available at Willard Straight box office, and \$5 at the door.



Howat



Herdman

Bound for Glory

Oct. 16: Bound for Glory can be heard Sundays from 8 to 11 p.m. on WVBR-FM, 93.5.

readings

CRISP

Arthur Waskow, long-time social and political activist, will read from *Becoming Brothers*, his latest book, followed by a book signing, Oct. 14, 2:30 p.m., in the Founders Room, Anabel Taylor Hall. For more information call 255-4214.

CUSLAR

On Oct. 17, Gioconda Belli, a former Nicaraguan freedom fighter and one of Latin America's most acclaimed poets and authors, will read from her recently translated work *The Inhabited Woman*. 7 p.m. in Kaufmann Auditorium in Goldwin Smith Hall

religion

Sage Chapel

Arthur Waskow, president of The Reconstructionist Seminary in Philadelphia, will give the sermon on Oct. 16 at 11 a.m. Sage is a non-sectarian chapel that fosters dialogue and exploration with and among the major faith traditions.

African-American

Sundays, 5:30 p.m., Robert Purcell Union.

Baha'i Faith

Fridays, 7 p.m., firesides with speakers, open discussion and refreshments. Meet at the Balch Archway; held in Unit 4 lounge at Balch Hall. Sunday morning dawn prayers and breakfast, 7 a.m. For details, call 253-2401.

Catholic

Weekend Masses: Saturday, 5 p.m.; Sunday, 10 a.m., noon and 5 p.m., Anabel Taylor Auditorium. Daily Masses at 12:20 p.m. in Anabel Taylor Chapel. Sacrament of Reconciliation, Saturday, 3:30 p.m., G-22 Anabel Taylor Hall.

Christian Science

Testimony and discussion meeting every Thursday at 7 p.m., Founders Room, Anabel Taylor Hall.

Episcopal (Anglican)

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

Friends (Quakers)

Sundays, 10:30 a.m., meeting for worship at the Hector Meeting House on Pery City Road.

Jewish

Morning Minyan at Young Israel, 106 West Ave., call 272-5810.

Shabbat Services: Friday, 6 p.m., Anabel Taylor Hall: Conservative; Founders Room; Reform; Chapel; Orthodox, Young Israel, call 272-5810 for time.

Saturday Services: Orthodox, 9:15 a.m., Edwards Room, ATH; Conservative/Egalitarian, 9:45, Founders Room, ATH.

Korean Church

Sundays, 1 p.m., chapel, Anabel Taylor Hall.

Muslim

Friday Juma' prayer, 1:15 p.m., One World Room, Anabel Taylor Hall. Daily Zuhr, Asr, Maghreb and Isha' prayers at 218 Anabel Taylor Hall.

Protestant Cooperative Ministry

Sundays, 11 a.m., chapel, Anabel Taylor Hall.

Sri Satya Sai Baba

Sundays, 10:30 a.m., 319 N. Tioga St. For details call 273-4261 or 533-7172.

Zen Buddhist

Tuesdays, 5 p.m.; Thursdays, 6:45 p.m., chapel, Anabel Taylor Hall.

seminars

Animal Science

"Regulation of Prenatal and Postnatal Growth by Growth Hormone," Stuart McCutcheon, Massey University, Oct. 17, 12:20 p.m., 348 Morrison Hall.

Applied Mathematics

"Hidden Markov Models with Applications in Biological Sequence Data," Gary Churchill, plant breeding, Oct. 14, 1:15 p.m., 456 Theory Center. "Recent Results on the Kinematic Dynamo Problem," Carmen Chicone, University of Missouri, Oct. 14, 4 p.m., 456 Theory Center.

Astronomy & Space Sciences

No colloquium scheduled for Oct. 13.

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The dramatic dance of kagura, as performed by Yamabushi Kagura of Mt. Hayachine.

Traditional Japanese kagura dance to be performed Oct. 24 on campus

Yamabushi Kagura of Mt. Hayachine, the colorful and dynamic dance and music of kagura — one of Japan's oldest performing arts traditions — will be performed at Cornell Oct. 24 at 8 p.m. in Alice Statler Auditorium.

This is the only upstate New York performance the dance troupe will make in its 1994 North American tour. Tickets are \$8, \$6 for students and senior citizens, and are available in 140 Uris Hall, the ticket office on the first floor of Lincoln Hall and the New Alexandrian Bookstore, 110 N. Cayuga St., Ithaca. To reserve tickets, call the East Asia Program office at 255-6222. All reserved tickets must be picked up by 7:30 p.m. the day of the performance. Tickets will be sold at the door for \$10.

Vibrant and dramatic, kagura reveals the roots of Japanese performing arts. It gave Japan its first performance space: a square above which is suspended white strips of paper indicating a sacred space. A back curtain separates the world of the gods from the world of man. The male dancers wear the unusual headdresses, costumes and masks of the ancient yamabushi who roamed the sacred hills of Mt. Hayachine.

Dances to be performed include the *Torimai*, a bird dance symbolizing fertility and the origin of life; the black-masked *Sambaso*, a rapid stamping dance that is a prayer for purification and longevity; *Yama no Kami*, in which the dancer appears as the mountain god sacred to farmers, woodsmen and carpenters; and dances relating the stories of the Sun Goddess Amaterasu Omikami.

Earliest Japanese legends recount how a performance of kagura dance and music lured the ancestral deity of Japan, the Sun

Goddess Amaterasu Omikami, from her hiding place in a cave, thus restoring sunlight to the world. Translated literally, the written characters for kagura mean god and music. Kagura is the name given to various forms of the ancient dances linked to Shinto religious practice. Yamabushi Kagura originally was performed by ascetic mountain priests or yamabushi whose dances were a means of communicating with the gods to invoke their blessing and to revitalize and prolong life. Today villagers perform kagura, which has been handed down for generations.

Prior to the performance, Jane Marie Law, assistant professor of Asian studies, will present "Dancing with the Gods: The Ritual Performance of the Mt. Hayachine Yamabushi Kagura," at 4:30 p.m. in 122 Rockefeller Hall. Also planned is the screening of "Ode to Mt. Hayachine," to be shown Oct. 25 at 4:45 p.m. in Willard Straight Hall. The film and lecture are free and open to the public.

While in Ithaca, the 13-member troupe of kagura dancers and musicians will present several lectures and demonstrations at area schools and present two master classes to theatre arts students at Cornell.

Other 1994 North American tour stops are New York City (Oct. 18-20), Pittsburgh (Oct. 22), Charlotte, N.C. (Oct. 29), Carlisle, Pa. (Oct. 31) and Iowa City, Iowa (Nov. 4).

The tour is produced by the Japan Society and made possible in part by a grant from the Japan Foundation.

Sponsors of the performance are the East Asia Program, Council for the Arts and the Department of Theatre Arts.

For information on the performance, contact the East Asia Program at 255-6222.

CALENDAR

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Biochemistry

"Apoptosis: Safeguarding Phenotypic Fidelity," L. David Tomei, LXR Biotechnology, Oct. 14, 4 p.m., large conference room, Biotechnology Building.

Biogeochemistry

"Climate Change, Monsoons and Aridland Plants," James Ehleringer, University of Utah, Oct. 14, 4 p.m., Morison Room, Corson Hall.

Biophysics

"Forced Generation by the Microtubule-Based Motor Protein Kinesin," Joseph Howard, University of Washington, Oct. 19, 4:30 p.m., 700 Clark Hall.

Boyce Thompson Institute

Distinguished Lecture in the Life Sciences: "Mediating Photosynthesis and Transpiration: Evidence for a Set Point and Its Ecological Implication," James Ehleringer, University of Utah, Oct. 13, 3 p.m., Boyce Thompson Auditorium.

Chemical Engineering

"Fluid and Protein Motion in Monomolecular and Bilayer Films Overlaying Sublayers of Finite Depth," Howard Stone, Harvard University, Oct. 18, 3:45 p.m., 165 Olin Hall.

Chemistry

TBA, Albert Eschenmoser, Swiss Federal Institute of Technology, Zurich, Oct. 13, 4:40 p.m., 119 Baker.

Cognitive Studies Program

"Ethics Naturalized: Ethics as Human Ecology," Owen Flanagan, Duke University, Oct. 13, 8 p.m., 124 Goldwin Smith Hall.

"Dreams: The Spandrels of Sleep," Owen Flanagan, Duke University, Oct. 14, 3:30 p.m., 202 Uris Hall.

Ecology and Systematics

"Hawaiian Honeycreepers: A Model for Science, Management and Conservation," Patricia McGill, Shoals Marine Laboratory, Oct. 19, 4 p.m., A106 Corson Hall.

Energy Engineering

"Clean Coal Technologies," James Markowsky, American Electric Power Corp., Oct. 20, 12:20 p.m., 118 Ward Lab.

Engineering Library

"World Wide Web," Oct. 19, 4 p.m., Engineering Library Electronic Classroom. For more information call Jill Powell at 255-8701.

Entomology

"Neurotoxicology of Taste Perception in Insects: Avenues to Gustatory Control," Chris Mullin, Pennsylvania State University, Oct. 13, 4 p.m., A106 Corson Hall.

"Interspecific Mating in Ants and the Evolution of Sperm Parasitism: A Model of Natural Selection for Hybridization," Gary Umphrey, University of Western Ontario, Oct. 20, 4 p.m., A106 Corson.

Environmental Science

"The Role of Oceans (and Uncertainty) in Climate Change," Wally Broecker, Columbia University, Oct. 17, 4:30 p.m., 1120 Snee Hall.

European Studies

"Transformation and Continuity in Soviet Intelligence: Life and Culture Across the Revolution of 1917," Barbara Walker, visiting scholar, Oct. 17, 12:15 p.m., 153 Uris Hall.

Floriculture & Ornamental Horticulture

"Biocontrol of Turfgrass Weeds," Joseph Neal, undergraduate seminar, Oct. 13, 12:20 p.m., 37 Plant Science Building.

Food Science

"The Application of Ohmic Heating for Asptic Processing of Particulate Foods," David Parrott, APV Crepaco Inc., Oct. 18, 4:15 p.m., 204 Stocking Hall.

Fruit & Vegetable Science

"Breeding Mild, Pest-Resistant Onions," Tom Walters, fruit & vegetable science, Oct. 13, 4 p.m., 404 Plant Science Building.

"Non-chemical Weed Control—Moving Backwards or Forwards?," Johan Ascard, visiting fellow, Oct. 20, 4 p.m., 404 Plant Science Building.

Genetics & Development

"Analysis of *zyg-1*, a *C. elegans* gene Required During the First Embryonic Divisions and for Formation of a Functional Vulva," Cathy Caron, genetics & development, Oct. 19, 12:20 p.m., small seminar room, Biotechnology Building.

Geological Sciences

TBA, Frank Press, Carnegie Institution, Oct. 13, 4:30 p.m., 1120 Snee Hall.

Horticultural Sciences

"Transformation of plum (*Prunus domestica* L.) Potyvirus Coat Protein Genes," Ralph Scorza,

USDA/ARS, Appalachian Fruit Research Station, Oct. 18, 1:30 p.m., staff room, Jordan Hall, Geneva.

Hotel Administration

"Forms of Resistance by Temporary Hospital-ity Employees," Craig Lundberg, Oct. 17, 4 p.m., 165 Statler Hall.

Materials Science & Engineering

"New Theory for the Ductile-Brittle Transition in Crystalline Solids," David Pope, University of Pennsylvania, Oct. 13, 4:30 p.m., 140 Bard Hall.

"Supersonic Molecular Beam Scattering as a Probe of Thin Film Deposition Processes," Jim Engstrom, Oct. 20, 4:30 p.m., 140 Bard Hall.

Microbiology

"Pathogenesis of Lyme Disease in Dogs and Gross Inhibition Tests with *Borrelia burgdorferi*," Reinhard Straubinger, College of Veterinary Medicine, Oct. 14, 12:15 p.m., Boyce Thompson Institute Auditorium.

Neurobiology & Behavior

"Sexual Selection and Communication in the African Painted Reed Frog (*Hyperolius marmoratus*)," Ulmar Grafe, thesis seminar, Oct. 13, 12:30 p.m., A106 Corson Hall.

Ornithology

"Voices Across the Oceans: Whales and the Navy," Christopher Clark, Lab of Ornithology, Oct. 13, 7:30 p.m., Fuertes Room, Lab of Ornithology.

Peace Studies

"International Intervention in Ethnic Conflict: A Comparison of Lebanon and Yugoslavia," Barry Preisler, California State University at Hayward, Oct. 13, 12:15 p.m., G-08 Uris Hall.

Pharmacology

"Role of Palmitoylation in Visual Transduction," Greg Dewey, University of Denver, Oct. 17, 4:30 p.m., G-3 Veterinary Research Tower.

Physics

TBA, Barber Cooper, Oct. 17, 4:30 p.m., Schwartz Auditorium, Rockefeller Hall.

Physiology & Anatomy

"The Control of the Fetal Cardiovascular System During Hypoxia in Lowland and Highland Species," Dino Giussani, physiology, Oct. 18, 4 p.m., G-3 Veterinary Research Tower.

Plant Biology

"Genetic Regulation of Phase Change in Maize and *Arabidopsis*," Scott Poethig, University of Pennsylvania, Oct. 14, 11:15 a.m., 404 Plant Science Building.

Plant Breeding

"RICEGENES: An Internationally Accessible Data Base for Rice," Edyth Paul, plant breeding, Oct. 18, 12:20 p.m., 135 Emerson Hall.

Plant Pathology

"Gene Silencing and Virus Resistance in Transgenic Plants," David Baulcombe, Sainsbury Laboratory, Norwich, U.K., Oct. 13, 10 a.m., A133 Barton Laboratory, Geneva.

"Long Distance Dispersal Mechanisms of *Phytophthora infestans*," Kiyoshi Ishiguro, plant pathology, Oct. 19, 12:20 p.m., 404 Plant Science Building.

Science and Technology

"Science and Political Knowledge in Late 20th Century Democracies," Yaron Ezrahi, Israel Democracy Institute, Oct. 19, 4:30 p.m., Hollis Cornell Auditorium, Goldwin Smith Hall.

Society for the Humanities

"Lectures de Georges Bataille: *Le bleu du ciel* (Blue of Noon), I. Dirty," (in French) Lucette Finas, College de Philosophie, Paris, Oct. 13, 4:30 p.m., 281 Goldwin Smith Hall.

"Lectures de Georges Bataille: *Le bleu du ciel* (Blue of Noon), II Histoire et erotisme," (in French) Lucette Finas, College de Philosophie, Paris, Oct. 14, 4:30 p.m., 281 Goldwin Smith Hall.

Stability, Transition & Turbulence

"The Nature of Plasma Turbulence," Ravi Sudan, Oct. 18, 12:30 p.m., 178 Theory Center.

Textiles & Apparel

"Electrochemical Treatment of Acid Dyes," Ann Lemley, Oct. 13, 12:20 p.m., 317 Martha Van Rensselaer Hall.

"Spin Finishes for Nylon," Debra Hild, Monsanto, Oct. 20, 12:20 p.m., 317 MVR Hall.

Urban Studies and Planning

"Supporting Community-Based Development: A LISC Perspective," William Jones, Local Initiatives Support Corp., Oct. 14, 12:20 p.m., 115 Tjaden Hall.

SYMPOSIUMS

Astronomy and Space Science

A two-day Astronomy and Space Sciences Symposium will begin at 9 a.m. Oct. 13. Lectures

Calgene CEO to speak on genetically engineered food products Oct. 24

By Roger Segelken

Roger Salquist, chief executive officer of the company that developed the genetically engineered FlavrSavr tomato, will discuss his company and its products at 4 p.m. Monday, Oct. 24, in the Conference Room of the Biotechnology Building.

Free and open to the public, his visit is hosted by Cornell's Johnson Graduate School of Management and the Center for Advanced Technology in Biotechnology. His talk is called "How to Start a Biotechnology Business with Only \$250 Million."

Samples of the new, long-keeping tomato, which is marketed under the "MacGregor" name, will be available for tasting before the lecture. FlavrSavr is the first food crop derived

by genetic engineering to receive federal approval and reach the marketplace. The tomatoes are said to be much more flavorful because they can ripen naturally on the vine before picking and shipping — unlike normal commercially grown tomatoes that are picked when green, shipped long distances and turned red by treatment with ethylene gas.

Salquist is the chairman and CEO of Calgene Inc., the Davis, Calif., agribusiness biotechnology company that is developing a portfolio of proprietary, genetically engineered plants and plant products for the seed, food and oleochemical industries.

Salquist's visit to the Cornell campus, including presentations to business school classes, is underwritten by a gift from Robert Bossart of Arthur Anderson and Company.

will be held throughout Thursday and Friday, highlighted with a free, public lecture by Carl Sagan titled "The Age of Exploration" Oct. 13 at 8:15 p.m. in Bailey Hall. All other talks are in the Statler Auditorium and are free and open to the public.

Comparative and Environmental Toxicology

"Symposium: Plant/Soil Contaminant Interactions," Oct. 16-17, Sheraton Inn and Conference Center. Keynote speaker Barbara Walton will deliver a talk at 8:30 p.m. on "Plant/Soil/Microbiota Interactions in Contaminant Fate." Other speakers include: James Lassoie, James Gillett, Martin Alexander, John Peeverly, George Fries, Leonard Weinstein, Eugene Madsen, Craig McFarlane, Paul Hatzinger, Geraldo Rodrigues and Peter Woodbury. Call 257-2000, for registration information and schedule.

European Studies

"The Political Economy of the New Germany," Oct. 14-15, ILR Conference Center.

Human Ecology

"Homeworking Families: A Focus on Home Business" will feature an expert panel to represent the psychological, economic, sociological and physical/design perspectives on home-based work. Paul and Sarah Edwards, authors of *Working at Home*, will be the keynote speakers at the luncheon. Oct. 20, 8 a.m. to 3 p.m., Martha Van Rensselaer Auditorium. Free, but requires advance registration. For information call 255-2093.

Nutritional Sciences

"Care and Nutrition of the Young Child," a four-day colloquium that brings 40 experts from around the world together, will be held from Oct. 12-15 at the Aurora Inn in Aurora, N.Y. Sponsored by UNICEF and the Division of Nutritional Sciences, the meeting will focus on the links between care and nutrition and on developing appropriate strategies to promote care of children under 3 years of age in developing countries to improve their nutritional status. Contact Michael Latham (255-3041) or Usha Ramakrishnan (255-5803) for information.

theater

Theatre Arts Department

The Theatre Arts Department presents "The Glass Menagerie" on the following dates: Oct. 20, 21, 22, 23, 26, 27, 28, 29 at 8 p.m.; Oct. 23, 29, 30 at 2 p.m., in the Class of '56 Flexible Theatre. Tickets are \$6 and \$8. Celebrating its 50th anniversary, Tennessee Williams' *The Glass Menagerie* is a "memory play" about a family and regret.

miscellany

Advisory Committee on the Status of Women

The ACSW regularly holds brown bag luncheons open to the entire community on the fourth Tuesday of each month. For more information, contact Nina Cummings, sexuality/sexual assault educator, ACSW chair, at 255-4782.

Alcoholics Anonymous

Meetings are open to the public and will be held Monday through Friday at 12:15 p.m. and Saturday evenings 7 p.m. in Anabel Taylor Hall. For more information call 273-1541.

Arts and Sciences

Informational meeting for Harry Caplan Travel Fellowship for Juniors, Oct. 19, 4:30 p.m., 214 Lincoln Hall Application deadline is Nov. 1.

Gannett Health Center

Stress Busters: "Using the Body to Relax the Body/Mind" (Stretching, de-tensionizers, progressive relaxation.) Cutter Cramton, Cornell Wellness Program, Oct. 19, 12:15 p.m., North Room, Willard Straight Hall.

German Fellowship Applications

Applications for the following fellowships should include project outline and/or rationale for study abroad, Cornell transcript, two letters of recommendation from professors in the student's field, local address and telephone number. All applicants must have a good knowledge of the German language at the time of application.

Applications are solicited from all academic units of the university and should be sent to Professor Herbert Deinert, 188 Goldwin Smith Hall, 255-8356, or to Marguerite Mizelle, 183 Goldwin Smith Hall, 255-4047. The deadline is Oct. 17.

• DAAD Fellowships (German Academic Exchange Service): Graduating seniors, graduate students and Ph.D. candidates of high academic caliber who are currently enrolled full time and are not older than 32 are invited to apply. Canadian citizens attending Cornell and U.S. citizens are eligible. The fellowships carry tuition and fees, monthly stipend and roundtrip transportation.

• CU-Heidelberg and CU-Gottingen Exchange Fellowships: The Graduate Exchange Fellowships to Heidelberg and Gottingen carry tuition and fees plus monthly stipend. Students must arrange for their own transportation. The awards are restricted to graduate students interested in full-time study at either university.

Writing Workshop

Free tutorial instruction in writing is offered through the Writing Workshop Walk-in Service as follows:

• 175 Rockefeller Hall: Sunday, 2 to 8 p.m.; Monday through Thursday, 3:30 to 5:30 p.m. and 7 to 10 p.m.

• Robert Purcell Community Center, Conference Room 2: Sunday through Thursday, 8 to 11 p.m.

• 320 Noyes Center: Sunday through Thursday, 8 to 11 p.m.

sports

Home games are in ALL CAPS. Records are as of Monday.

Men's Cross Country (2-1)

Oct. 15, National Invit. at Penn State

Women's Cross Country (2-0)

Oct. 15, National Invit. at Penn State

Field Hockey (4-5-1)

Oct. 15, at Pennsylvania, 10 a.m.
Oct. 19, at Yale, 2:30 p.m.

Football (4-0)

Oct. 15, at Bucknell, 1 p.m.

Women's Soccer (5-2-2)

Oct. 16, HARTFORD, 1 p.m.

Women's Tennis (2-0)

Oct. 15-16, NYS Tourn. at Albany

Women's Volleyball (4-10)

Oct. 15, HARVARD, 4 p.m.
Oct. 19, at Syracuse, 7 p.m.

CALENDAR

October 13 through October 20

All items for the Chronicle Calendar should be submitted (typewritten, double spaced) by campus mail, U.S. mail or in person to Chronicle Calendar, Cornell News Service, Village Green, 840 Hanshaw Road.

Notices should be sent to arrive 10 days prior to publication and should include the name and telephone number of a person who can be called if there are questions.

Notices should also include the subheading of the calendar in which the item should appear.

dance

Cornell International Folkdancers

All events are open to the Cornell community and general public and are free unless otherwise noted. Beginners are welcome; partners are not necessary. For information, call 387-6547.

Oct. 16: 7:30 p.m., dance instruction, Croatian dances; 8:30 p.m., open dancing and requests, North Room, Willard Straight Hall.

CU Jitterbug Club

No partner needed. Call Bill for info at 273-0126 or 254-6483.

Survival Dance Series: Learn the basics of swing, Latin, waltzing and slow dancing. Six-week series starts Oct. 16, 8 p.m., CSMA Annex, 330 E. State St., \$36 in advance.

Beginning swing dance for couples of any persuasion: a six-week, non-gender-oriented dance series. Starts Oct. 13, 7:30 p.m., the Common Ground, 1230 Danby Road, \$30 in advance.

Israeli Folkdancing

Thursdays, 8 p.m., Edwards Room, Anabel Taylor Hall; instruction and request dancing, beginners welcome; free and open; info 255-4227.

South Asia Program

A Nepali festival will be held Oct. 15 at Telluride House on campus. 4-6:30 p.m., Dasai (Durga Puja); 6:30 p.m., Dinner; 8 p.m., Cultural Evening of Music and Dance. \$3.

exhibits

Johnson Art Museum

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.

• "A Revolution in Color: Chiaroscuro Woodcuts From the Permanent Collection, 1500-1800," through Oct. 23.

• "Buddhist Art in Asia," through Oct. 16.

• "The Mexican Muralists and Prints From the Collection of Reba and Dave Williams," through Oct. 30.

• "Mexican Influence: Works on Paper From the Johnson Collection," through Oct. 30.

• "Cultural Signs in Contemporary Native American Art," through Oct. 30.

• "Arts of New Guinea, New Ireland and Oceania," through Oct. 30.

• 12 O'Clock Sharp, Thursday Noontime Gallery Talks: Oct. 20, a tour of the "Mexican Prints" exhibition.

• Sunday Afternoon Artbreaks: Every Sunday

through Dec. 4 (except Nov. 27), the museum docents and curators will lead gallery talks focused on aspects of the permanent collection or special exhibitions.

Anthropology

"Voices From the Past: A Slave Cabin Excavation, Cumberland Island, Georgia," featuring materials gathered by Professor Robert Ascher, is on view in McGraw 215 through Dec. 21.

Plantations

"Herbs: Discover the Pleasures," an exhibit highlighting the Robison York State Herb Garden at Cornell Plantations and the diverse use of herbs, is on view in the lobby of Mann Library through Nov. 15.

films

Films listed are sponsored by Cornell Cinema unless otherwise noted and are open to the public. All films are \$4.50 (\$4 for students), except for Tuesday night Cinema Off-Center (\$2) and Sunday matinees (\$3.50). Films are held in Willard Straight Theatre except where noted. The deadline for proposals for spring co-sponsorship is October 17. Call 255-3522 for more information.

Thursday, 10/13

"Go Fish" (1994), directed by Rose Troche, with V.S. Brodie, Guinevere Turner and Wendy McMillan, 7:30 p.m.

"Blown Away" (1994), directed by Stephen Hopkins, with Jeff Bridges, Tommy Lee Jones and Lloyd Bridges, 9:30 p.m.

Friday, 10/14

"The Boys of St. Vincent" (1993), directed by John N. Smith, with Henry Czerny, Johnny Morina and Sebastian Spence, 7 p.m.

"La Chasse aux Papillons" (1993), directed by Otar Iosseliani, with Narda Blanchet, Pierrette Pompom Bailhache and Alexandre Tcherkassoff, 7:20 p.m., Uris.

"Go Fish," 9:55 p.m., Uris.

"The Howling" (1981), directed by Joe Dante, with Dee Wallace, Patrick Macnee and Dennis Duggan, 11 p.m.

"Blown Away," midnight, Uris.

Godard, with Anna Karina, Jean-Paul Belmondo and Dirk Sanders, 7 p.m.

"Blown Away," 9:30 p.m.

Tuesday, 10/18

"Go Fish," 7:30 p.m.

Set in Motion: Electronic Sketches, 7:30 p.m., CTA Film Forum, \$2.

"The Howling," 9:30 p.m.

Wednesday, 10/19

"A Man is Not a Bird" (1988), directed by Dusan Makavejev, with Camille Soeberg, Eric Stoltz and Aldred Molina, 7:30 p.m.

"Lines of Blood: The Drug War in Colombia" (1991), directed by Brian Moser, presented by CUSLAR, 8 p.m., Goldwin Smith Hall, lecture room D, free.

"The Bride with White Hair" (1993), directed by Ronnie Yu, with Leslie Cheung, Brigitte Lin and Elaine Lui, 9:45 p.m.

Thursday, 10/20

"The Eye of Vichy (L'Oeil de Vichy)" (1993), directed by Claude Chabrol, 4:30 p.m., free.

"White" (1993), directed by Krzysztof Kieslowski, with Zbigniew Zamachowski, Julie Delpy and Janusz Gajos, 7:30 p.m.

"The Shadow" (1994), directed by Russel Mulcahy, with Alec Baldwin, Penelope Ann Miller and John Lone, 9:45 p.m.

graduate bulletin

• **Dissertation and thesis seminars** will be held in the Morison Seminar Room, Corson/Mudd Hall, 2 p.m., Tuesday, Oct. 18, for master's theses and Tuesday, Oct. 25, for doctoral dissertations. The thesis adviser will discuss preparing and filing theses and dissertations; students, faculty and typists are encouraged to attend.

• **Course changes:** Add a course after Sept. 16: There is a \$10 charge for adding each course after Sept. 16. Instructor of course and student's chairperson must sign the drop/add form. Drop a course after Oct. 14: Instructor's and Chairperson's signatures required on drop/add form. A course dropped after Oct. 14 will appear on transcripts with a "W" (withdrawn) unless a petition is filed and approved. No course may be dropped or changed

Applications are available in Graduate Fellowship Office.

• **Degree requirement:** To receive a graduate degree, students must have the final transcript on file with the Graduate School showing the conferral date of their undergraduate degree. If your graduate application for admission was made before the conferral of your undergraduate degree and you have not had a later copy sent, check with the Graduate Records Office, Sage Graduate Center, to ensure that your final undergraduate transcript is in your file.

Lectures

Association of Cornell Emeritus Professors

"Evolution and Ethics," William Provine, Oct. 18, 2:45 p.m., Lecture Hall I, College of Veterinary Medicine.

Chemistry

Gerhard Wegner of the Max Planck-Institut fur Polymerforschung will present the fall semester's Baker Lectures at 11:15 a.m. in 119 Baker: "Direct Detection of Molecules at Surfaces by Tunneling Methods," Oct. 13; "Polymers in a State of Polarization ('Poled Polymers')," Oct. 18; and "The Structure of Electronically Conducting Polymers," Oct. 20.

Classics

Townsend Lecture: "Representation and Historical Reality in Ammianus Marcellinus: Learning and Mockery," Timothy D. Barnes, University of Toronto, Oct. 18, 4:30 p.m., 156 Goldwin Smith Hall.

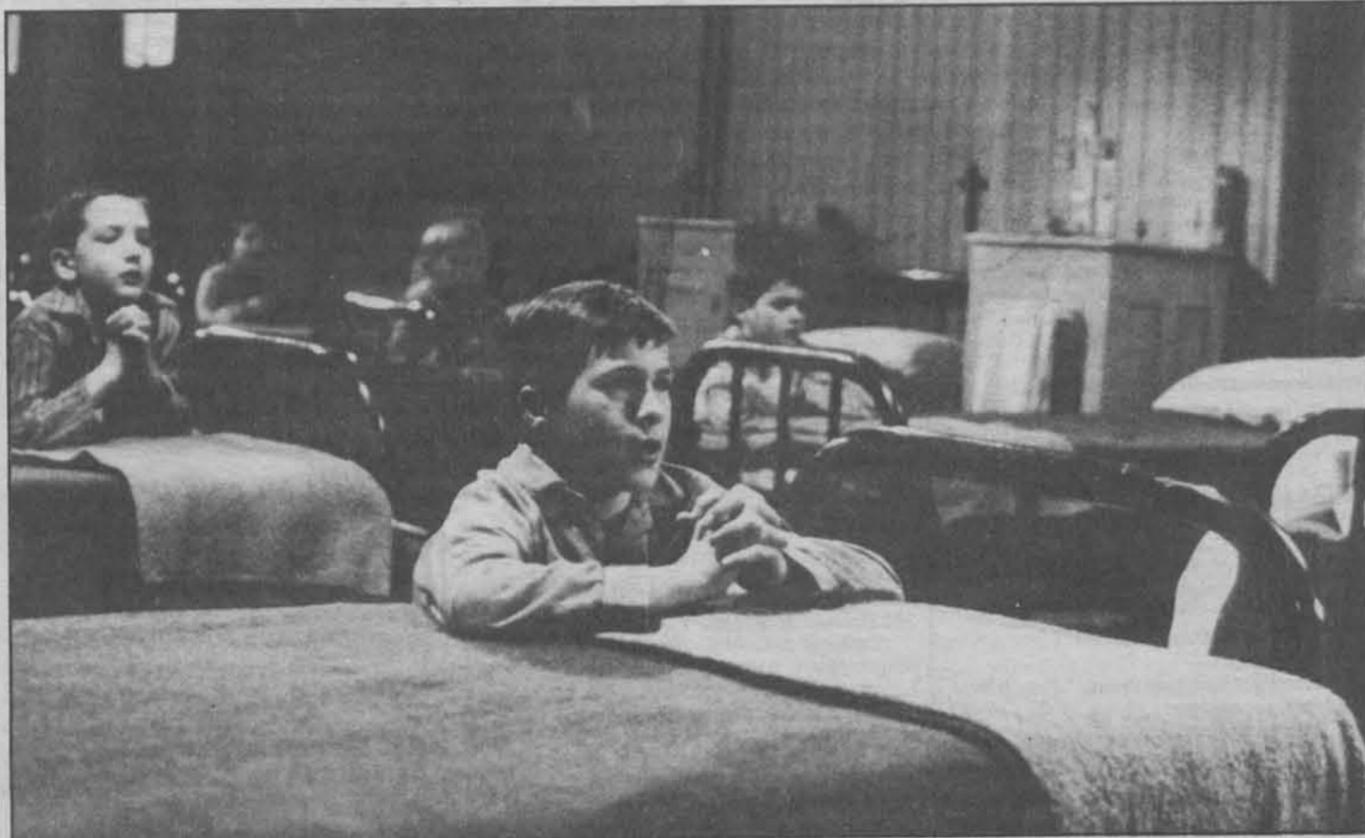
CRESP

"Freedom Seder Plus 25 Years," Arthur Waskow, long-time social and political activist and author, Oct. 14, 12:15 p.m., Founders Room, Anabel Taylor Hall.

"An Evening of Spirituality and Storytelling," Arthur Waskow and Phyllis Berman, Oct. 15, 8 p.m., One World Room, Anabel Taylor Hall.

East Asia Program

"Mon Japon: The Revue Theater as a Technology of Japanese Imperialism," Jennifer Robertson,



Brian Dodd as 10-year-old Steven Lunny, one of the sexually abused orphans in "The Boys of St. Vincent."

Saturday, 10/15

"The Boys of St. Vincent," 7 p.m.

"La Chasse aux Papillons," 7:20 p.m., Uris

"Go Fish," 9:55 p.m., Uris.

"Drunken Master II" (1994), directed by Lau Kar-Leung, with Jackie Chan, Anita Mui and Ti Lung, 9:30 p.m.

"Blown Away," midnight, Uris.

Sunday, 10/16

"The Boys of St. Vincent," 4 p.m.

"Young Werther (Le jeune Werther)," (1993), directed by Jacque Doillon, presented by Pentangle, 7:30 p.m., Uris, free.

"The Boys of St. Vincent," 8 p.m.

Monday, 10/17

"Contemporary Theater Arts of Myanmar," Southeast Asia Program Film Series, Kahin Center, 640 Stewart Ave., 4:30 p.m., free.

"Pierrot le Fou" (1965), directed by Jean Luc-

after Dec. 2. Change grading option or credit hours after Oct. 14: Instructor's and chairperson's signatures are required on drop/add form.

• **Pre-enrollment, spring '95:** Graduate student course pre-enrollment is Oct. 19-Nov. 2, Sage Hall. Forms are available at graduate field offices and Sage Graduate Center.

• **Fellowships:** Jacob K. Javits Fellowship. Maximum award of \$14,400 stipend and \$9,243 for tuition (Cornell provides remainder of tuition); renewable up to four years; for doctoral candidates in the fields of arts, humanities or social sciences. At application, may not have more than 30 semester hours of graduate study. U.S. citizens and permanent residents only. Deadline is Nov. 28.

Also: National Science Foundation Graduate Fellowships, NSF Minority Graduate Fellowships, Ford Foundation Predoctoral Fellowships for Minorities, Howard Hughes Medical Institute Predoctoral Fellowships in the Biological Sciences Fellowships, and Hertz Graduate Fellowships.

University of Michigan, Oct. 14, 3:30 p.m., 215 McGraw Hall.

History

Daniel Walker Howe of Oxford University is giving the Carl Becker Lectures on the theme, "The Construction of Self in Antebellum America," at 4:30 p.m. in 165 McGraw Hall: "Abraham Lincoln, Frederick Douglass and the Self-Made Man," Oct. 17; "Margaret Fuller and the Ideal of Heroic Womanhood," Oct. 18; "The Constructed Self Asserted Against the State," Oct. 19.

Jewish Studies Program

"Aspects of Jewish Life in East-Central Europe," Ruth Ellen Gruber, foreign correspondent and author of *Upon the Doorposts of Thy House: Jewish Life in East-Central Europe*, Oct. 13, 4:30 p.m., 374 Rockefeller Hall.

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