

CORNELL Chronicle

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Harry Wu's talk focuses on abuses

By Dennis Shin '96

Harry Wu must have felt a sense of irony coming to speak at Cornell this past weekend. Besides sharing his personal account of Chinese human rights abuses to an overflow crowd in David L. Call Alumni Auditorium, the noted activist also pointed out the relationship between his recent ordeal and a more controversial visit to Cornell this summer.

Wu was arrested in June while trying to enter the People's Republic of China, three days after China's ambassador to Washington left the United States in protest over Taiwanese President Lee Teng-hui's visit to Cornell for Reunion Weekend, June 8-10.

"Maybe Cornell has to invite me here because [I deserve] to be paid back for the problem they caused me by inviting

Lee Teng-hui," Wu joked at a press conference before his Nov. 5 lecture. Lee's visit had heightened tensions between the United States and China, and Wu said his captors referred to the impact that visit had on his situation.

Wu made international headlines when Chinese officials stopped him at a border crossing on June 19, charged him with passing state secrets and placed him in a detention facility for more than nine weeks. He had been attempting to enter the country to secretly film, as he had in the past, human rights abuses. Finally sentenced to 15 years in prison, Wu instead was expelled from China on Aug. 24 after much American diplomatic negotiation and pressure.

Wu reminded his audience, however, that it wasn't his first experience as a prisoner in China.

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Frank DiMeo/University Photography
During his Nov. 5 press conference, Harry Wu holds up a picture of a Catholic priest he says was kept for years in forced detention by the Chinese government.



Robert Barker/University Photography
Taking in the Ithaca Farmers' Market on Oct. 28 are, from left: Duncan Hilchey, agricultural development specialist with the Farming Alternatives Program; Gilbert Gillespie Jr., senior research associate in rural sociology; and Tom Lyson, professor of rural sociology and director of the Farming Alternatives Program.

Farmers' markets help grow rural economic health

By Blaine P. Friedlander Jr.

Farmers' markets are serving as inexpensive business incubators that hatch home-grown jobs and breed significant, new economic wealth in rural areas, Cornell researchers have found.

"Most research and popular press articles about farmers' markets have focused on consumers' and communities' points of view," said Duncan Hilchey, agricultural development specialist with Cornell's Farming Alternatives Program and lead investigator of the project. "Little attention has been paid to the vendors themselves. Until now, we have known very little about their background, enterprise strategies or their plans for the future."

The study, "Farmers' Markets and Rural Economic Development: Entrepreneurship, Business Incubation and Job Creation in the Northeast," was published in July by the Farming Alternatives

'Though they are not a . . . panacea, farmer's markets could be an important component of comprehensive, local economic development strategy.'

— Thomas Lyson

Program. Hilchey's co-authors include Thomas A. Lyson, professor of rural sociology and director of the Farming Alternatives Program, and Gilbert W. Gillespie Jr., senior research associate in rural sociology.

Their data clearly show that farmers' markets provide a rich entrepreneurial environment for starting new businesses. Almost 70 percent of the surveyed ven-

dors reported an increased customer base and direct feedback from customers. About 64 percent said their volume of sales increased, while 65 percent said that these markets provided a stable facility for product sales. Eighty-one percent of the vendors reported that the ability to test-market new products at their farmers' markets was beneficial.

"Our survey showed that 86 percent of the vendors either did not have a business before they started selling at a farmers' market or they had started on a small-scale business at their residence," Hilchey said. "Likely, they did not have the capital to open a retail outlet or they perceived they had few other marketing options available."

Is the money made at farmers' markets significant? Yes, for most vendors. Almost 66 percent of the vendors' farmers' market income made a moderate contribu-

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NASA to test survivability of apples in space

By Roger Segelken

NASA space shuttles have carried aloft all sorts of university memorabilia — from microchips and bumper stickers to Ezra Cornell's wedding socks — that were meaningful mainly to astronaut-alumni and Cornellians on the ground.

Sometime next year, if all goes well, a shuttle will transport items of potential value to space travelers who crave a crisp, juicy taste of the home planet: Cornell-grown apples.

The experiment to test the survivability of apples in a space-travel environment came about because a university scientist, who is now the dean of freshmen in the College of Arts and Sciences, entered a contest 10 years ago in hope of winning "a really neat telescope."

"I would have been happy with the second prize," John J. Chiment said of the 1985 *Popular Mechanics* magazine contest to design a NASA "Getaway Special" experiment to fly, all expenses paid, aboard a space shuttle. Chiment, a paleobiologist who worked as a high school science teacher and an editor in the Mathematical Sciences Institute and Cornell Plantations before assuming his current post in the College of Arts and Sciences, was a researcher at Boyce Thompson Institute at the time. Most Getaway Specials were being sold, for a fee, to corporations for research-and-development experiments in the shuttles' microgravity environment. The contest was a chance to acquire several thousand dollars worth of space in space, however briefly.

Together with Scott H. Wetthauer, another environmental biology researcher at the on-campus institute, Chiment designed an experiment to measure levels of a stress-indicator chemical called glutathione in plants — sprouting soybeans, in particular. The two proposed a self-contained growth chamber about the size of a small garbage can with soybean seeds in soil-filled pots. Computer-controlled timers were to turn on water and lights during the shuttle flight and landing, and even "smother" certain sprouting plants with a silica gel drying agent.

The contest judges loved the idea. So Chiment didn't get his telescope; he got a mission.

However, between the contest entry and the announcement of the contest winner, the

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BRIEFS

■ **Learning Web needs mentors:** Attention all computer-friendly staff, faculty and students. The Learning Web is looking for people with a good knowledge of programming, graphics, the Internet, networking, repair or any other computer-related skills to be mentors to area high school students interested in these fields. If you have a few hours per week to spend with an eager, motivated young person wishing to learn more about computers, please call The Learning Web at 255-5206. The Learning Web provides hands-on, experiential education through the age-old mentor-apprentice model. All young people, ages 11 to 21 in Tompkins County, are eligible for Learning Web programs. Certain programs, such as the Homeless Youth Outreach program and On Top, do have more specific eligibility requirements.

■ **Cornell Press awards:** The following awards have been won by Cornell University Press over the past several months:

- The National Museum of Art, Smithsonian Institution, awarded the Charles C. Eldredge Prize for Distinguished Scholarship in American Art to *Empire of the Eye: Landscape Representation and American Cultural Politics, 1825-1875*, by Angela Miller.

- The Modern Language Association awarded the 1994 Scaglione Prize for French and Francophone Studies to Janet Beizer for *Ventriloquized Bodies: Narratives of Hysteria in Nineteenth-Century France*.

- The 1995 Book Award, sponsored by the Pacific Coast Branch of the American Historical Association, was given to Yuri Slezkine for *Arctic Mirrors: Russia and the Small Peoples of the North*.

- *Portraits in Steel*, by Milton Rogovin and Michael Frisch, was chosen as the recipient of the first Oral History Association Book Award.

- Alisa Klaus was awarded the 1994 Gilbert Chinard Prize, given by the Society for French Historical Studies for her book *Every Child a Lion: The Origins of Maternal and Infant Health Policy in the United States and France, 1890-1920*.

- The Old Sturbridge Village Book Prize Committee presented a Special Recognition Award to *Contraception and Abortion in Nineteenth-Century America*, by Janet Farrell Brodie.

- *Radical Realism: Direct Knowing in Science and Philosophy*, by Edward Pols, won the 1995 John Findlay Award from the Metaphysical Society of America.

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Having a little talk



Elizabeth Rawlings joined husband President Hunter Rawlings in a visit to the University Cooperative Nursery School Nov. 2. Above, Mrs. Rawlings talks in French with Ehouarn Champenois. Ehouarn's father, Yann, is a visiting scientist in the Department of Food Science at Geneva and Agricultural and Biological Engineering on campus.

Adriana Rovers/University Photography

Harry Wu continued from page 1

"This is the second time I have regained my freedom. This time was after only 66 days. The first time was after 19 years," he said during an emotionally charged speech.

As a recently naturalized U.S. citizen, Wu said his American status restrained Chinese police from physically abusing him after his June arrest. He had no such protection as a Chinese national in 1960, however, when he was sent to a prison camp as a university student for subversive behavior. Living for 19 years under the forced labor system known as *laogai* (education through labor), Wu claimed he experienced first-hand the abuses of the Chinese communist regime.

"I hope that President Clinton becomes the first leader in the world to publicly denounce Chinese *laogai*," he told his audience.

Describing his release in 1979 and his arrival six years later in the United States as a visiting scholar, Wu recounted his reawakening to freedom, but added, "I couldn't turn my back to my homeland. I couldn't forget about my former inmates."

He returned to China in 1991 with a film crew to secretly document evidence of human rights abuses and to raise international awareness about the Chinese *laogai*.

"Some people ask me what am I fighting for," Wu said. "My answer is very simple. I wish one day that *laogai* will appear in the English dictionary. . . I hope that China will some day have a *laogai* museum. . . We have to remember these things and then China can have a new future."

In the middle of his presentation, he showed two documentary videos. Frequently laughing in disbelief, the audience viewed a segment from *60 Minutes* that demonstrated how Wu and CBS journalist Ed Bradley went undercover in 1991 to expose the Chinese policy of secretly exporting forced-labor products to the United States.

Following that, a BBC production focused on the disturbing correlation between the growing number of death sentences handed down in China and the growing number of organs extracted from executed prisoners for apparently unethical medical transplants.

"These are the so-called 'state secrets' I revealed and were used as evidence of my crime in my trial and verdict," Wu said. "I have lost many years of freedom, but I . . . will not be defeated. Today, I bear witness to the ugly truth of Chinese communism."

Sponsored by Cornell's Third World Stu-

dent Programming Board, Wu's visit attracted diverse questions and comments. One Chinese student spoke out against Wu's efforts to expose human-rights abuses, stating that Wu's tactics employed the same deception for which he criticized the Chinese government.

Wu responded by arguing that communist China's survival depends on systematically lying to its people and the world. Applauding Wu with a standing ovation, a majority of the audience seemed to support his views.

"I felt the question and answer period was the best part because he really seemed to speak from the heart," said Kristen Wolfe '98. "I read his autobiography and I wish he would have spoken more about the first 20 years in order to give people a clearer picture of what he really went through. His recent detention was nothing like that."

Although Wu's answers, at times, specifically addressed fellow Chinese countrymen, his message found supporters among other groups.

"As an African-American, I found his words inspiring. The struggle for human rights is something most minorities can relate to," said Roxanne Ryan '98.

United Way needs your help

The Cornell Employee United Way Campaign for 1995 is at a critical point.

We are more than \$150,000 from our goal of \$510,000, and more than 1,200 people who donated to the effort last year have not yet responded.

If you have:

- lost your card
- would like a designation card
- have any questions,

please contact either your local volunteer or Rhonda Velazquez at 255-6418, or rhw2@cornell.edu.

Remember: The United Way of Tompkins County supports 39 local agencies and 100 programs through its annual campaign, and it depends on the generosity of the Cornell community, and other large organizations, for much of its success. Many of those who benefit are your friends and neighbors. Every gift to the United Way means so much to so many in our community.



Thank you for your support of the United Way!

Clothing drive helps area needy

Beginning on Nov. 20 and continuing after Thanksgiving, a clothing drive called Share the Warmth will take place on the Cornell campus. Co-sponsored by Alpha Phi Omega, Campus Life, Ecology House and the Ithaca Rotary Club, the project asks students, faculty and staff to sort through their clothing over Thanksgiving break and deposit any items they no longer use — particularly winter coats, sweaters, mittens, boots and other warm clothing — in boxes located around campus.

Donated clothing will be collected by Campus Life Housekeeping Services, under the supervision of Dale Walter, and delivered to Ecology House, where it will be sorted by volunteers from Alpha Phi Omega, Ecology House and the Ithaca Rotary Club. Rotarians will then deliver the bags of clothing to various community agencies in Tompkins County.

Last year, the drive recycled almost 6,000 items of clothing.

Researcher: Time may reduce impact of toxic compounds in soil

By Blaine P. Friedlander Jr.

Some toxic chemicals buried in soil may not be as hazardous as once thought because their toxicity decreases over time, according to a Cornell scientist.

During the long time many toxic organic chemicals remain in soil, some seem to slowly become hidden within the soil structure. In this hidden form, they are less available to living organisms, according to Martin Alexander, the Liberty Hyde Bailey professor of soil science.

The result: some soil may be less hazardous than originally believed.

"Assessments of the hazards from those sites have not taken into account the slow processes that may take place and possibly reduce the impact of toxic compounds deposited in the soil, particularly those compounds which do not leach out to contaminate underlying aquifers," Alexander said. "In recent years, evidence has accumulated that the availability of certain organic compounds changes as the compounds reside in soil for some time—a process that has

been termed 'aging.'"

His research, "How Toxic Are Toxic Chemicals in Soils," was published in the current issue of the American Chemical Society's journal *Environmental Science & Technology*.

Soil scientists have long examined what happens when chemicals—such as chlorinated hydrocarbons once widely used as insecticides—get into the soil. Alexander and his colleagues began looking into the behavior of organic pollutants in soil about four years ago, examining why and how some of these toxic compounds became hidden and unavailable in the soil.

The problem is monitoring such chemicals. Scientists were puzzled by why bioremediation of some chemicals slowed and possibly stopped when microbes responsible for the bioremediation were still present in the soil. What process could account for this strange behavior?

"From day zero, many compounds are broken down by microbes," Alexander said. "Then in time the chemical is hidden and becomes unavailable within the soil structure where it may no longer present a problem. That's why we

believe the soil containing some compounds may not be as hazardous as once thought."

Researchers studied which chemicals dissipated at what rates. Compounds such as DDT become less available to microbes over time. Alexander believes that microbial activity then contributes to a compound's effective disappearance.

"Even with single compounds, the times and percentages of chemicals that become unavailable may vary greatly," Alexander said. "A relationship to soil type or climate is not evident from the available data, but a systematic study was never conducted to establish such a relationship."

"These investigations show that some abiotic processes make organic compounds less readily available to microorganisms and probably to animals and plants as well," he said.

Thus, the aging of compounds may naturally reduce toxicity problems. "The very fact that the organic compounds in Superfund and most hazardous waste sites have been in the contaminated soils for long periods of time emphasizes the need for assessing the significance of aging to toxicity," Alexander said.

Speaker tells of infiltrating neo-Nazi sects

By Gaston Ceron '96

The neo-Nazi movement in Germany isn't just beer-drinking "skinheads," as many in Germany believe, said Yaron Svoray. The movement is broader, deeper and potentially more dangerous, he argued Sunday.

Svoray should know, because the Israeli journalist spent nine months, undercover, infiltrating the neo-Nazi movement.

His lecture, titled "In Hitler's Shadow: Neo-Nazis in the 1990s," drew a packed house at Statler Auditorium on Nov. 5.

Svoray said his interest in infiltrating the neo-Nazi movement began when he was introduced to the leader of a small band of neo-Nazis operating on the France-Germany border. The son of Holocaust survivors and an Israeli war veteran, Svoray said he was intrigued and repelled by what the neo-Nazis told and showed him. That encounter led him to contact the Simon Wiesenthal Center in California, which helped him organize his undercover investigation.

Posing as the editor of an American far-right-wing magazine, Svoray said he was able to infiltrate several neo-Nazi groups and was eventually accepted as one of them, by claiming he was representing rich American arch-conservatives interested in donating to neo-Nazi organizations. He was able, he said, to penetrate the upper echelons of the movement and meet its leaders, and also make secret recordings and photographs.

During that time, Svoray said he witnessed many acts of brutality and senseless violence by members of the movement. He told the audience how, early on, he was invited to a gathering by some neo-Nazis who gained great pleasure from watching a videotape of a young girl being raped and murdered.

During his time undercover, Svoray said he also had a few dangerously close calls. On one occasion, he was introduced to an ex-Gestapo member who suddenly, and publicly, accused him of being Jewish, and held a gun to his head.

Eventually, Svoray became so sickened by the inhumanity of the movement, he ended his undercover investigation, he said. But he quickly went public with his findings. His research was compiled into a best-selling book and was made into an HBO movie.

But even though his findings brought personal recognition, Svoray said he is disappointed with the inaction by the German government. He has met with high-ranking German officials and even testified before the U.S. Congress, he said, but little has been done.

Svoray's appearance was sponsored by Cornell Hillel, the University Program Board and the International Students Programming Board.

Following the lecture, Svoray attended a candlelight vigil held outside Willard Straight Hall in memory of slain Israeli Prime Minister Yitzhak Rabin.

President meets with emeritus profs



On Oct. 31 at the Moakley House, President Hunter Rawlings spoke at the fall gathering of the Association of Cornell Emeritus Professors. After the meeting, above, Rawlings speaks with Frank Saul, left, emeritus professor in the architecture department, while E. Scott Maynes, emeritus professor in human ecology, stands by.

ILR's NYC office wins \$100,000 grant for project

By Darryl Geddes

The School of Industrial and Labor Relations extension office in New York City has been awarded a \$100,000 grant from the Federal Mediation and Conciliation Service to work with the League of Voluntary Hospitals and 1199 National Health and Human Service Union in developing a systematic joint labor-management process to restructure and improve patient care in light of the current reimbursement and cost

reduction problems that face New York City hospitals.

Potentially 52 hospitals, 18,500 patient beds and over 40,000 health care workers could be affected by this joint labor-management project which has the support of both labor and management.

This grant is one of 18 awarded this year by the Federal Mediation and Conciliation Service (FMCS), a unit of the U.S. government that provides support grants to labor-management groups to help improve the

effectiveness of organizations in the private sector. There were 119 original applicants and a total of \$1.3 million was awarded. In past years most awards have been given to industrial and manufacturing plants and regional projects. Cornell's proposal was one of two health-care grants awarded this year.

The project was developed by Peter Lazes, director of Programs for Economic Transitions, an education, research and organizational change unit in Cornell's New York City office.

Karel Husa wins Czech Republic's highest honor

Composer Karel Husa, the Kappa Alpha Professor of Music Emeritus, has been honored with the Czech Republic's highest civilian recognition, the State Medal Award of Merit, First Class.



Husa

The Czechoslovakian-born Husa, who won the 1969 Pulitzer Prize in music for *String Quartet No. 3*, was presented with

the Award of Merit by Czech Republic President Vaclav Havel Oct. 28 at a Prague Castle ceremony. The presentation coincided with the celebration of a national holiday marking the 50th anniversary of the end of World War II.

Husa is best-known for his Pulitzer-winning piece and for *Music for Prague, 1968*, which has received more than 7,000 performances worldwide. In February 1990, Husa conducted the *Music for Prague, 1968* for its first performance ever in Prague. The piece, written in response to the Soviet and Warsaw Pact

invasion of Czechoslovakia, had been banned by the communist government.

Other noteworthy compositions include *Concerto for Orchestra* (1986), commissioned by the New York Philharmonic and Zubin Mehta; the *Concerto for Trumpet and Orchestra*, commissioned by the Chicago Symphony for Adolph Herseth and Sir Georg Solti; and a *Concerto for Violin and Orchestra*, commissioned by Mehta for the New York Philharmonic's concertmaster, Glen Dicterow.

Husa began teaching at Cornell in 1954 and was named professor emeritus in 1992.

We must understand, universities are our responsibility

By William H. Danforth

Even in our skeptical technology-driven era, universities are monuments to the hope that through education and deeper understanding we can create better lives for ourselves and our children. In this respect they are, like the great Gothic cathedrals, symbols of the aspirations of an age. Those of us who work in these national treasures have a responsibility to understand the requirements of a changing environment and to act so as to keep universities alive and well.

After World War II, the modern research university evolved as a new institutional species. The environment was favorable; education had proved its worth, and policy-makers wanted knowledgeable, technically skilled citizens. Families were willing to sacrifice to educate their children. Scientific opportunities abounded, and Americans had faith that science (based largely in the universities) would produce a steady supply of boons. Support for research universities flowed generously from federal and state governments, foundations, corporations and public-spirited citizens. Budgets grew and programs multiplied.

Today, opportunities are outrunning re-

COMMENTARY

sources. Increased knowledge holds no less promise, but science and scholarship are expensive, the rewards are often long delayed, and other societal needs press on policy-makers. When nutrients are in short supply, an institution (like any living organism) must gather them more effectively, survive on less, or pursue both strategies simultaneously.

The hunting and gathering skills of universities are already highly developed, for during the long growth period, success depended on an increasing supply of financial resources. Today, university presidents and faculty, as well as officers of associations representing them, ply the halls of Congress and state legislatures and work closely with executive branches. Ever-larger fundraising campaigns are successfully executed, tuitions rise, and grant requests become more elaborate. Further improvement is possible, but large gains are unlikely.

On the other hand, the skills universities need to do well with limited resources have

atrophied from disuse. Most institutions are working to remedy this situation, and one hears terms borrowed from business, such as "restructuring," "downsizing" and "prioritizing." Such efforts can yield results, but success in the long run will depend less on these strategies than on the foresight, commitment and will of faculty and staff.

The duty of presidents, chancellors and deans to promote the well-being of their institutions is clear, but in recent decades, many faculty, especially scientists, have given their primary loyalty to disciplines and to national and international professional groups. This tendency is not new, but it has been magnified by the focus on outside resources and on an international reputation as a criterion for tenure.

If it was ever true that faculty members' pursuit of individual interests automatically created a great university, it is certainly not so now. Rather, the loosening of institutional ties has become a major risk, for today's successful university requires effective internal operations aimed at agreed-upon goals. Because faculty do the essential work of teaching and research, their participation and leadership are key. Also, faculty must embody and serve as guardians of the values that

should permeate the institutional culture, including at a minimum, freedom of exploration and expression, commitment to excellence in scholarship and teaching, and tolerance for differences. Promotion of such values requires time, effort and devotion.

Some in business foresee a work force with loose, and even temporary, ties to organizations. Universities spring from a different culture. Faculty are citizens of their institutions as well as employees, citizens who deserve the loyalty of the institution even as the institution asks for theirs.

Whether universities adapt successfully to the present environment will, in my view, depend on whether individual faculty members correctly read the needs of the era and take personal responsibility for the success of their institutions. I can think of nothing more important or rewarding than to help preserve our research universities for the next generations, so that they may continue to represent the highest aspirations of the American people.

William H. Danforth is chairman of the board of Washington University in St. Louis. This piece was published as an editorial in the Sept. 22, 1995, issue of Science.

Apples in space *continued from page 1*

Challenger disaster happened, setting back all phases of the space shuttle program. It wasn't until this year that NASA notified Chiment: Get your Getaway Special ready.

In the meantime, editors at the science magazine had apparently forgotten their decade-old obligation, but some insistent prompting from Chiment got the magazine back on board. And university-government paperwork had become more complex over the years, so all the necessary documents were prepared by Amy Henderson-Harr, a grants and contracts officer in Cornell's Office of Sponsored Programs.

The experiment won't be Sprouts in Space anymore, Chiment said, because NASA changed the rules, in the wake of the Challenger explosion, to encourage "passive" experiments without lots of moving parts. Whereas another university's experiment had booted a volleyball-sized satellite into space, Cornell's apple study will be "high tech at the micro level" in the design of plastic films and membranes, with all the fruit-preserving atmospheres preloaded into the appropriate containers.

Another difference is that the apple experiment will be largely student-based, said Leroy L. Creasy, professor of fruit and vegetable science, whose students will try to adapt existing technologies for long-term storage and intercontinental shipping of fruit to the special requirements of space travel.

"The students will design our container to fit inside a NASA capsule. We have to protect the apples against the G-forces of take-off, the lack of atmosphere in space and the intense heat or cold," Creasy said, noting that the experiments travel in an unpressurized section of the shuttle that may be alternately open to the blazing rays of the sun or the dark cold of space.

These latest bits of Cornelliana won't be under the stewardship of the university's astronaut-alums. The apples will be on their own, their fate depending on how much Cornell scientists and students have learned about post-harvest physiology. Besides keeping the apples from turning into applesauce,

the key to preservation lies in slowing the fruits' rate of respiration, Creasy said.

Once back on Earth, the apples won't go into the lunch box. Rather, they will undergo chemical analysis by gas chromatography, as the students look for signs of deterioration in the fruit. One compound they will test for is glutathione, the stress-indicator that was the basis of the original soybean proposal.

Glutathione, whether it occurs in plants or animals, is good to have because it "mops up" superoxide radicals and other secondary metabolite products of metabolism, Chiment explained. But whether the apples will still taste good at the end of their journey — that's another question.

For pomology students, the project will involve several trips to Kennedy Space Flight Center to have their experimental package "certified" by NASA at each stage of its development. And they can expect to see their names listed as authors on published papers about the experiment's findings.

The toughest decision may be selecting the type of apples for the experiment. Certainly, they will be New York state-grown apples, and hopefully, varieties that Cornell scientists had a hand in developing. One candidate is the Empire apple, although the ultimate choice will depend on which apples are ready for picking at the time the experiment is sealed and turned over to NASA. "Everybody wants to see a favorite apple in space," Creasy said, adding that the students may include several varieties in order to compare their qualities.

These probably won't be the very first apples in space, Chiment noted. Astronauts in the past have managed to bring along an occasional piece of fresh fruit in the pressurized section of the shuttle. However, this will be the first test of a system that could preserve large quantities of fresh fruit during the months required for an extended mission.

"The apple is a wonderfully prepackaged, healthful food," Chiment said. "And they're much cheaper than the super-processed stuff the astronauts have been eating."



Adriana Rovers/University Photography
Some participants in the space shuttle apple-experiment project gather for the signing of the NASA contract. They are, clockwise from bottom left: Amy Henderson-Harr, grants and contracts officer in Cornell's Office of Sponsored Programs; John Chiment, Arts and Sciences dean of freshmen and winner of the Popular Science contest that made the project possible; Caleb Torrice '98, Jessica Peck '96 and Jennifer Halsey '97, all in Ag and Life Sciences; Mark Ramos, USDA Agricultural Research Services; Cheryl Dollard '96 and Emily Peck '97, also in ALS; Leroy Creasy, professor of fruit and vegetable science; Chris Watkins, associate professor of fruit and vegetable science; and Jean Struzinsky '96 in ALS.

Farmers' markets *continued from page 1*

tion to their household finances. Thirty percent of the full-time growers and about 10 percent of all vendors reported that the income was "crucial" to their household finances.

The survey showed that farmers' markets eased transition into regular employment for public-assistance recipients. About 8 percent of the vendors said that farmers' market participation reduced their need for food stamps, unemployment benefits and other government programs. It also provided an opportunity to work — first-hand — with their own business.

"Farmers' markets can recirculate local dollars and recapture some of the money that formerly left the commu-

nity," Gillespie said. "Because they provide low-cost, start-up opportunities, markets are particularly helpful to communities undergoing severe economic dislocation. It creates further economic opportunities for rural residents."

Solid business skills develop from selling vegetables, fruits, crafts and processed food. As an incubator, about 50 percent of the vendors learned improved merchandising techniques and 58 percent said they gained self-confidence in starting a business.

But, the study provided some cautionary information. The report showed that working in a farmers' market is not

for everyone, and these markets alone will not revitalize a central business district. Not all promising businesses will be successful in a farmers' market, and many vendors are not aware of the business incubation process.

"Though they are not an economic development panacea," Lyson said, "farmer's markets could be considered an important component of comprehensive, local economic development strategy."

Copies of the report may be ordered from Cornell University Resource Center, 7-8 Business and Technology Park, Ithaca, NY 14850. Phone (607) 255-2090. Price: \$4.

Rhodes receives Kerr Award from Berkeley

Frank H.T. Rhodes, Cornell president emeritus and professor of geological sciences, has been awarded the Clark Kerr Award by the Academic Senate of the University of California at Berkeley.



Rhodes

The award, presented Oct. 17, is given to individuals "considered to have made an extraordinary and distinguished contribution to the advancement of higher education." It has been awarded from time to time since 1968. It was given to Rhodes on the occasion of the 75th anniversary of the Academic Senate at Berkeley.

In a talk accepting the award, "Faculty Governance and the Modern Research University," Rhodes told the audience that there are "four simple affirmations we need to make to the public if they are to understand the role that our research universities play." Those affirmations, he said, are: scholarship is a public trust; service is a societal obligation; teaching is a moral vocation; and community is the means by which academia can fulfill those obligations.

"These are tough times for higher education," Rhodes said, after outlining the attacks on universities in Congress, the media and in books over the past few years. "So I have a plea. I make the plea to you . . . to become responsible for our universities and their well-being . . . help us nationwide to persuade your faculty colleagues to take ownership of the well-being of the university."

Degree program in real estate starts in 1996

By Darryl Geddes

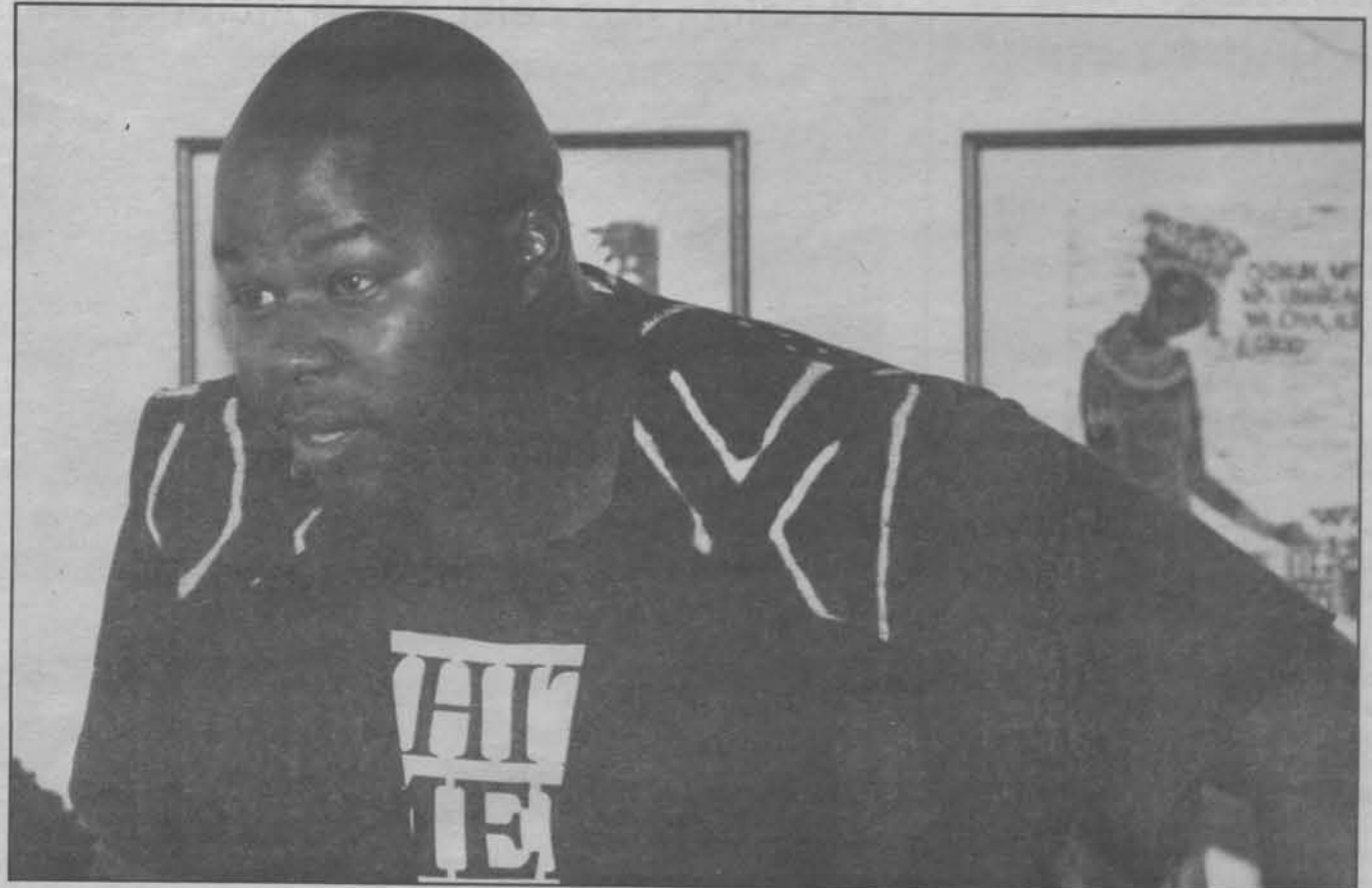
Cornell is accepting applications for a graduate degree program in real estate that enrolls its first class in August 1996. Students will be able to earn the master of professional studies in real estate degree, following two years of full-time study.

"In the industry and at the university you hear people discussing the need for future practitioners in real estate to be trained in management and analytical skills specific to the field," said Robert H. Abrams, a major industry figure who is the first director of Cornell's Program in Real Estate. A senior lecturer in Cornell's Department of City and Regional Planning, he remains a consultant to the New York City firm of Colliers ABR (formerly Abrams Benisch Riker Inc.), which he co-founded.

The curriculum breaks significant new ground by drawing 13 required core courses from five different colleges at Cornell and then allowing students the flexibility to fashion a specialty with seven electives.

"We have a comprehensive program," said Jack Corgel, professor of real estate at the School of Hotel Administration and director of graduate studies for the field in real estate. "It will provide students with the opportunity to learn the fundamentals and advanced concepts. With that knowledge and their own interests, they can forge a career in virtually any aspect of the field."

Cornell's master of professional studies in real estate provides a foundation in real estate finance and investment, economics, market analysis, real estate law, regulation and construction planning. Core courses will be taught by faculty members from the School of Hotel Administration, the Johnson Graduate School of Management, the College of Architecture, Art and Planning, the College of Human Ecology and the College of Engineering.



Agwei Tyehimba, a first year grad student, speaks at a symposium titled "The Million Man March and Beyond."

Million Man March impact addressed at symposium

By Darryl Geddes

Africana studies Professor James Turner called the recent Million Man March in Washington, D.C., "a defining experience in modern black history."

Turner's comments came during a roundtable discussion entitled "The Million Man March and Beyond" at the Africana Studies and Research Center Nov. 1. The overflow audience in the center's Hoyt Fuller Lounge heard varying perspectives on the march from other speakers, including graduate students Agwei Tyehimba and Frances Henderson, Southside Community Center Executive Director Jackie Melton-Scott and South Africa native and Ithaca resident Eddie Muendane. All but Melton-Scott attended the march.

Turner said the Oct. 16 march, which, according to some estimates attracted 1.2 million people, was the "largest political demonstration in the history of the republic

'This was more than a momentary event. It is a defining experience in modern black history.'

— James Turner

lic to be held in the capital." He said the sociological magnitude of the event was deeper than some had perceived.

"This was more than a momentary event," Turner said. "It is a defining experience in modern black history."

Tyehimba said the march challenged the assumptions that white people make of the black community. "They think we are undisciplined, that we can't meet in mass without violence," he said. "We disproved them. We are a complex and sophisticated people. It disproved the

notion that black people can mobilize but not organize. It challenged the nature of white supremacy and called us to task to be our own liberators."

Henderson acknowledged that she attended the march with mixed feelings, since women were uninvited. But while she said she still questions the reasons for excluding women, she applauded the event for what it accomplished. "We don't need a million women march," she noted. "It's time to reunite."

Muendane said his presence at the Million Man March recalled his struggles for freedom in South Africa, which sent him on a march from Soweto to Johannesburg.

Melton-Scott, whose Southside Community Center was a premarch meeting place for many participants and the site of "Day of Absence" events on the day of the march, said the gathering touched on the importance of black institutions and their place in the community.

Students: March had spiritual and political resonance

By Simeon Moss

Cornell student participants in the Million Man March — both those who traveled to Washington, D.C., and those involved in parallel efforts in Ithaca — say the day's events had spiritual as well as social and political resonance.

And, they maintain, much of that resonance was missed by those who got their news from the mainstream media.

"Something transforming happened," said grad student Scott Ngozi-Brown, of the march's impact on the African-American community.

In late September, Ngozi-Brown led a Cornell Africana Students Association colloquium on the march, and later he attended the Oct. 16 gathering with hundreds of others from the upstate area.

Activities such as the September colloquium helped bring the march and its message into focus, participants said.

Copies of a mission statement written by the march's national organizers were distributed at the colloquium, and a broad range of questions were raised and addressed, Ngozi-Brown said. "But the bottom line was, it was resolved among everyone there that it was an important event," he said.

Earlier in September, a weekly "unity hour" discussion at Ujamaa Residential College also centered around the march

and its message.

"The Unity Hour was one of the first signs for me," said Donald X. Doane, an electrical engineering major. Soon, Doane was helping organize buses and getting information to students at other campuses.

Ken Glover, residence hall director at Ujamaa Residential College, was impressed by the level of community involvement leading up to the march.

"People in the community had started moving on it early, and the students were following the community," he said.

A Women's Convention was organized at Ujamaa for the day of the march, and people from Cornell, Ithaca College and the Ithaca community participated in its workshops.

"Women at the conference were often glued to the television (watching the march)," said junior Wendy Allard, local-action chair of the NAACP. "Women were reluctant to go to their workshops because they wanted to feel the spirit of the march," she said.

Allard herself spent most of the day coordinating educational activities for children participating in Day of Absence events at the Southside Community Center.

Other local activities included: a candlelight vigil by members of Cornell's Alpha Phi Alpha fraternity chapter, and a march by members of Ithaca College's Afro-Latin Society to the Commons,

which joined a march by children on their way to the Southside center for the activities coordinated by Allard.

"It was a broad-based, community effort," Glover said.

But for those who went to D.C. — four buses left from the Southside center alone — the day had special significance.

Leslie Alexander, a fourth year Ph.D. student in history and Africana studies, said she didn't understand the real reason she attended the march, until she was there.

"It wasn't until I was sitting on the lawn, behind the Washington Monument, listening to Mr. Farakhan's speech that I knew," she said.

Louis Farakhan — the controversial Nation of Islam minister who was an organizational force behind the gathering — was telling the crowd that each person there, was there for a reason, Alexander remembered.

"He said that each one of us was representing our ancestors," she said. "And it was at that moment, I felt a chill go up through my spine and out through my head, because I realized I was there to represent my family and to represent the spirit of my father who passed away about a year and a half ago. I was representing the spirit of all who came before me," she said. "For people who were there in D.C., there was a level of spiritual connection that you could feel."

Thanksgiving meal at Cornell

Preparations are under way for this year's Thanksgiving Feast on the Cornell campus. All members of the Cornell community are invited to attend this traditional American meal on Thursday, Nov. 23, from noon until 3 p.m. in Trillium in Kennedy Hall. The feast features an extensive buffet including turkey, vegetarian entrees, squash, sweet potatoes, mashed potatoes, breads, pies, cider and a host of other items. Following the meal, guests may relax at an informal get-together in the Big Red Barn Graduate and Professional Center with dessert, games and beverages by the fire. Ticket prices for advance sale are \$7 for adults and \$4 for children, 6-12. At the door, prices will be \$9.50 for adults and \$5.65 for children, 6-12. Children under 5 will eat for free.

Tickets are available at the following locations: Maplewood Park, Hasbrouck, Schuyler House, Hughes Hall service centers and GCAs; International Living Center; International Students and Scholars Office; Barnes Hall; Big Red Barn Graduate and Professional Student Center (tickets available only after 2:15 p.m.); Intensive English Program; International Students Programming Board; Public Service Center; and Dean of Students Office.

Planners also are seeking volunteers to greet and seat diners. If you are interested in volunteering, in exchange for a complimentary meal, call the Office of Graduate Student Life at 255-1123.

All Saints Day celebration includes shrine



Adriana Rovers/University Photography

Maria Ayon and her son, Arturo Jr., examine a shrine at the All Saints Day celebration at Anabel Taylor Hall Nov. 2. Maria's husband, Arturo, is a graduate student in nuclear science. The shrine in the Commons Coffeehouse is a tribute to indigenous Indians in Chiapas, Mexico, who have been killed during that region's 22-month-old uprising.

Cornell Institute for Public Affairs has new director and stronger program

The next generation of governmental leaders has a strengthened program at Cornell to prepare them for careers in public service.

The Cornell Institute for Public Affairs (CIPA) has a new director, four new core courses taught by four new core faculty members and a record number of new students.

"We are preparing people to make sensible things happen in a complex, multifaceted society. The objective is to accomplish this by integrating the institute into the larger university community, relying largely on existing resources. We are not training bureaucrats," said Richard Schuler, new director of the program.

Schuler, Cornell professor of economics and of civil and environmental engineering, and senior fellow in the Center for the Environment, takes the lead role at the universitywide institute that offers a two-year graduate professional program leading to a master's degree in public administration.

Its mission is to develop professionals who can be effective, ethical and creative leaders in government and in the private sector's interface with government. CIPA emphasizes the interactions between public and private interests for the benefit of all sectors of society, Schuler said.

New this year are four courses that offer a focus for the

widespread, but dispersed, policy-related interests on campus, Schuler explained. Two of the courses will be taught each semester, and they will be taught by faculty members with diverse areas of expertise.

Schuler is teaching public political economy this semester. The course will emphasize the application of economic concepts and methods in the identification, formulation, administration and evaluation of public policy.

Arch Dotson, professor emeritus of government and former chair of the department, is teaching administration, politics and public affairs, which covers political and administrative processes, and institutions and their interrelationships.

Dave Lewis, professor of city and regional planning and also director of the Institute for African Development is teaching quantitative techniques for policy analysis and program management this semester. The course includes hands-on practice with informal management techniques.

Steve Caldwell, associate professor of sociology with a policy focus on health, welfare, pension and other social safety-net programs, will teach social policy next semester. The course will incorporate the study of analytic methods, especially the use of statistics and simulation models to study the structure of public programs

and assess their consequences.

CIPA utilizes resources throughout the university. "Cornell's extraordinary depth of resources including, but not confined to, science and technology, health services administration, agricultural policy, nutrition and international development, environmental studies, peace studies, labor relations, city and regional planning and ethics in public life provide a diverse base for the study of public affairs," Schuler said. The resources of the Cornell Law School and the Johnson Graduate School of Management also are valuable assets, he said.

"The job of CIPA is to weave through these specialties and increase synergy through complementary courses, symposia, research projects, and outreach, since the implementation of public policy is placing theory into practice," Schuler said.

This year CIPA's total enrollment has grown to 58 and includes fellows from Latin America, Asia and Europe, as well as from throughout the United States, many of whom have already served in important public positions. For example, this fall's class includes former legislative director to U.S. Rep. Sam Farr (D-Calif.) and a former vice-minister of education and culture from Uruguay.

Noted African-American author to speak on race and class Nov. 13

By Darryl Geddes

William Julius Wilson, author of *The Truly Disadvantaged: The Inner City, The Underclass and The Public* (University of Chicago Press, 1987), will speak on the topic "Power, Racism and Privilege" Nov. 13 at 4:30 p.m. in Room D of Goldwin Smith Hall. The presentation, sponsored by the Bronfenbrenner Life Course Center, is free and open to the public.

Wilson, the Lucy Flower University Professor of Sociology and Public Policy at the University of Chicago, is currently an A.D. White Professor-at-Large at Cornell. He will be on campus from Nov. 13 to 17, and he will speak with students and faculty from across the campus.

"Professor Wilson's books are modern classic works that have completely changed the sociological debate about why African Americans are so disadvantaged in American society," said Phyllis Moen, the Ferris Family Professor of Life Course Studies in the College of Human Ecology. "His works are both theoretically driven and have had widespread influence in the policy arena.

"The Cornell community will benefit intellectually and culturally from exposure to his analysis in the equalities of opportunity associated with race and class," Moen continued.



Wilson

Wilson is the author of numerous books and articles, including *Power, Racism and Privilege: Race Relations in Theoretical and Sociocultural Perspectives* (Macmillan, 1973) and *The Declining Significance of Race: Blacks and Changing American Institutions* (University of Chicago Press, 1978). He is a familiar name to readers of *The New York Times Book Review* for his critical commentary on books relating to race.

Wilson was elected a fellow of the American Academy of Arts and Sciences in 1988.

Cadets meet the colonel



Robert Barker/University Photography

The 520th detachment of Air Force ROTC at Cornell had its Fall Dining in celebration Oct. 27, at the Statler Hotel. Above, cadets, left to right, James Tetters '98, John Luminati '98, Philip Roberts '98, Cyrus Behdwar '97 and Gilbert Besana '97, far right, talk with the night's guest speaker, Col. John Chapman, second from right. Chapman is a decorated Air Force command pilot and the commander of the Joint Services Survival Evasion, Resistance and Escape (SERE) Agency at Ft. Belvoir, Va.

Early Childhood Program embraces expanded initiatives

By Susan Lang

Trained Cornell students and Head Start professionals periodically visit the homes of disadvantaged 4-year-olds, giving the families free children's books and suggesting parent-child activities to go with them.

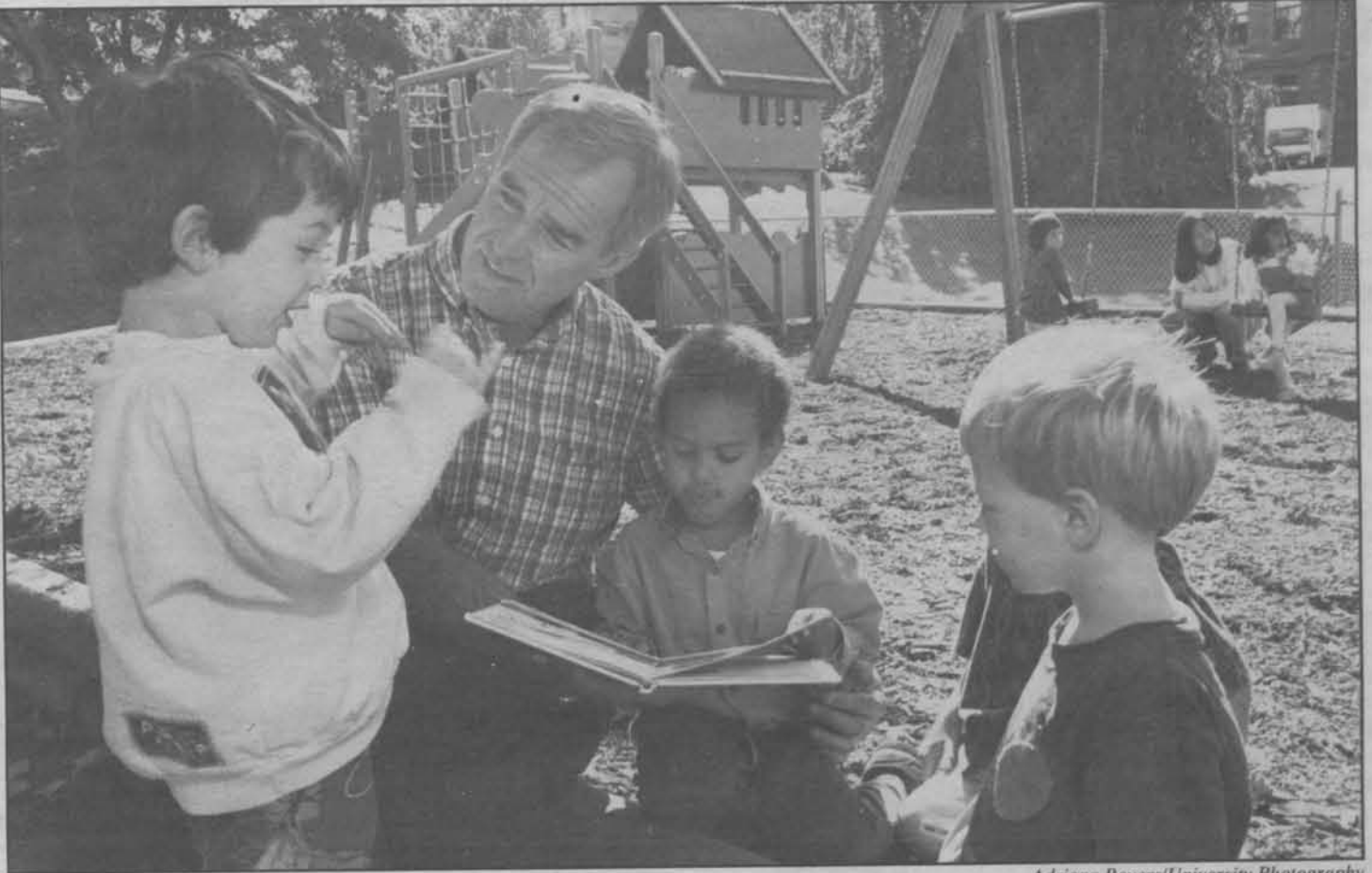
This model program, under the auspices of the recently revamped Cornell Early Childhood Program (CECP) in the College of Human Ecology, not only enhances the literacy and parenting skills of families with young children but also gives families-at-risk emotional support and early access to community resources, when needed, while enriching undergraduate and graduate education and promoting research.

"It's a perfect example of integrating applied research with extension, teaching and service to the community," said Moncrieff Cochran, Cornell professor of human development and family studies, who became executive director of the CECP on Oct. 1, 1994.

A demonstration nursery school program since 1925, CECP has been transformed into an all-new expanded program, Cochran said. Responding to the growing need for full-day child care as more mothers have entered the labor force, the nursery school has become a year-round, full-day child-care program for about 50 children, serving primarily the Cornell community. And for the first time, the university is subsidizing the program so that more lower-income Cornell employees may enroll their preschoolers.

Cochran believes CECP is the only demonstration child-care program in the country that is integral to the extension mission of a university and that will emphasize family supports and early intervention. More and more research suggests that family supports and early intervention are crucial to preventing family stress and dysfunction, child abuse and neglect, and can help break the cycle of family violence, teen-age pregnancy, drug and substance abuse, fractured families and low self-esteem.

"Our very future as one of the world's greatest democracies depends on how we respond to these trends in society. Our response is to develop model early childhood child-care programs that are positive, preventive, strengths-oriented, empowering and community-based and could be adapted and adopted nationally," said Cochran, who teaches a course on families and is also on the board of directors of the Family Resource Coalition, a national organization



Adriana Rovers/University Photography

Moncrieff Cochran, professor of human development and family studies and executive director of the Cornell Early Childhood Program, talks to children in the program, from left, Brendan Hammond, Ian Trupin and Ian Vanderklein.

that advocates and provides technical assistance to the growing family support movement in the nation.

The cornerstone of the expanded CECP program is a \$1 million gift from Dianne Baillet Meakem (HumEc '61) and John J. Meakem Jr. (ILR '58, MBA '61) that endows the position of CECP program director, currently held by Elizabeth Stillwell. While Stillwell directs the child-care program, Executive Director Cochran is developing a broad palette of integrated research, teaching and extension projects. They are designed not only to benefit at-risk families with young children but also family child-care providers of infants and toddlers.

"Studies show that about one-third of family-based child-care settings, which provide about 80 percent of the child care for infants and toddlers, are of unsatisfactory 'growth-harming' quality," Cochran said. He is designing a program for family-based child-care providers that will include home

visits, support groups, parent and child care provider education and access to community resources. The program will serve as a model for how early education, child care and family support can be integrated in a meaningful and effective way.

The model, family-based infant and toddler child-care program is just one example of CECP's new research and demonstration mission, which Cochran has conceived as focusing around five themes: early education for children in low-income families; child care; family support; integration of early childhood supports; and cross-national comparison. Each theme will be reflected in research, extension and teaching.

Among its research goals:

- Exploring how Head Start might further expand, possibly into child-care settings and with younger children.
- Studying how best to train child-care providers.
- Piloting and evaluating community sup-

port programs that have a family strengths orientation. To prevent potential problems, these programs would emphasize parent education and parent empowerment.

• Integrating early education, child care and family support programs and policies.

"We also have a lot to learn from other countries, particularly those in Africa and Latin America that have made public child care a national priority," said Cochran, the editor of the 1993 book *The International Handbook of Child Care Policies and Programs*. He is working on a new book that analyzes U.S. child-care policies in light of what has been learned from these other countries.

"During the next five years, CECP will become the foremost university-based program in this country engaged in expanding the knowledge base about early childhood policies and programs worldwide, and in facilitating exchanges between U.S. schol-

Continued on page 8

Low-fat diets can benefit children as well as adults, study finds

By Susan Lang

Children as well as adults can benefit from low-fat diets, a recent Cornell study has found.

Children on low-fat diets grow at exactly the same rate and have better vitamin and fiber status — but with reduced cholesterol — as children on higher fat diets, the study showed.

Specifically, the researchers found that the higher the fat intake among children, the higher their intake of cholesterol, protein and total fatty acids — nutrients that Americans tend to overconsume. The lower the fat in the diet, on the other hand, the greater the intake of iron, vitamin A, vitamin C, potassium, riboflavin, thiamin and phosphorus.

The findings mean that medical associations, such as the American Academy of Pediatrics, which have been reluctant to endorse low-fat diets for children and teens until more research is conducted, should consider endorsing low-fat diets for kids, too, said David Levitsky, Cornell professor of nutritional sciences and psychology.

"Despite warnings of deleterious nutritional effects of low-fat diets in children, the overwhelming evidence to date, including other studies, suggests that low-fat diets, as currently consumed by U.S.



Adriana Rovers/University Photography

David Levitsky, Cornell professor of nutritional sciences and psychology, completed a recent study on low-fat diets for children. He is shown here with children in the Maple Tree Room of the Cornell Early Childhood Program, from left, Eric McLaughlin, Angus Armstrong and Thena Citlin.

children, are healthy for children, nutritionally adequate for growth and pose no nutritional risk," added Levitsky. "Children on low-fat diets not only grow well but also tend to consume more nutrient-dense diets, meaning that their food tends to be more nutritious, with nutrient in-

takes above the RDA for most nutrients.

"In addition, diets consisting of less than 30 percent of calories from fat have long-term health benefits for children by helping to prevent chronic diseases and establishing healthful eating habits early," Levitsky said.

The study was based on the nationally representative sample of 2,940 American children, ages 2 through 17, from the Second National Health and Nutrition Examination Survey 1976-1980. Believed to be the first study to use a nationally representative sample to study the effects of low-fat diets among children, its findings were presented at the Federation of the American Society of Experimental Biology in April in Atlanta.

"Our methods improve upon previous studies because rather than just analyze nutrient intake, we also looked at growth. If low-fat diets were nutritionally inadequate, then children consuming such diets should exhibit poor growth," said Levitsky, who teaches courses in concepts and controversies in nutrition and health and in obesity and the regulation of body weight.

He worked with: former undergraduate student Kathleen M.P. Hanson who conducted the analysis, coordinated the writing of the study and is now a veterinary student at the University of California at Davis; statistician Edward Frongillo; epidemiologist Patricia Cassana; and nutritionist Wendy S. Wolfe, all of Cornell.

The researchers defined low fat as less than 30 percent of calories from fat and

Continued on page 8

N.Y. ag industry thrives despite fewer farms

By Blaine P. Friedlander Jr.

Despite the continuing decline in the number of New York farms and the release of land from farm use, agriculture remains strong as the dollar value of farm production has increased, Cornell agricultural economists say.

"Decreases in farm numbers do not necessarily portend reduction in farm employment at comparable rates," said Nelson L. Bills, Cornell professor of agricultural economics. Bills and Richard N. Boisvert, Cornell professor of agricultural economics, and Kevin Jack, Cornell graduate research assistant, wrote a report, "Income and Employment From New York Agriculture," published by the Department of Agricultural, Resource and Managerial Economics.

"These trends in farmland left idle and land conversions, combined with continual references in the popular press to reductions in the number of farm businesses, help fuel the perception that agriculture might be a failed industry," Bills said.

But agriculture remains vital to rural areas in New York. The economists found that the number of farm businesses in New York have dwindled from more than 100,000 in the 1940s to about 32,000 farms now. Currently, farms are defined as places with sales over \$1,000. New York has thousands of part-time farms, but Bills noted that many farms have become larger, and the industry still employs about 64,000 people.

"Rapid productivity increases have been reflected in higher production per acre and per animal unit, as well as in the improvement in the quality of many farm commodities," he said. Gains stem primarily from lower unit costs due to the adoption of new technology, production on a larger scale to lower unit costs, improved farm management and a concentration of production on higher-quality land, he said.

Measured in 1977 dollars, the real value of New York agriculture shows little change between the late 1960s and the early 1990s. The report said that the livestock sector has remained constant over the past quarter century. "New York dairymen presently ship about 7 percent of the nation's milk supply, not much different from the share reported 50 years ago," Bills said.

The report noted that the value of crops has been creeping higher to about \$700 million in 1992. This is a reflection of productivity gains and the increasing importance of higher-valued fruit, vegetable and horticultural products.

"Such productivity gains directly contradict the perception that the farming industry is on the wane," Bills said. "Today, production of food, feed and other farm commodities in the state annually generates cash receipts exceeding \$3 billion."

Low-fat diet *continued from page 7*

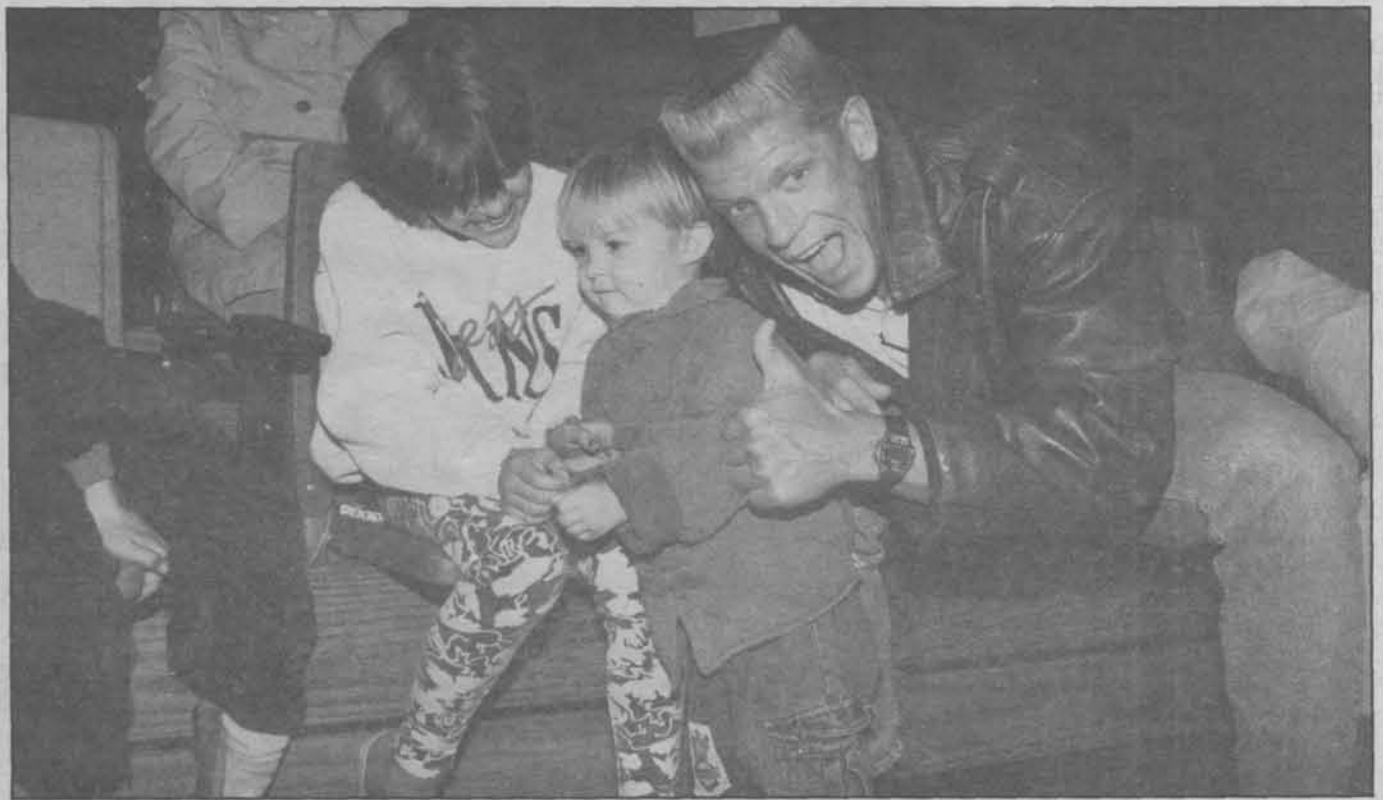
adjusted for quantity of food eaten and variables such as ethnic group, poverty, income ratio, calorie intake and day of the week on which the food recall was taken.

They found that intake of protein, vitamin C, vitamin A, thiamin, riboflavin, niacin, phosphorus, potassium iron and linoleic acid were all at or above the RDA for all fat intake groups (broken out into four groups with the high-fat group obtaining 50 percent of calories from fat) in preschoolers and school-age children. Teen-agers obtained adequate nutrients in all four fat intake groups except vitamin A and iron, which were low in all fat groups, and niacin, which was low in the two lowest fat intake groups.

Although calcium intake was lowest among the low-fat groups, only the preschoolers in the lowest fat group consumed levels below the RDA.

The researchers stressed that, although low-fat diets are beneficial for children age 2 and older, low-fat diets are not recommended for children under age 2.

Return of an 'American Gladiator'



Frank DiMeo/University Photography

Leo Rehman '88 - "Hawk" on TV's "American Gladiators" program - returned to visit his alma mater last weekend. Rehman and Mitch Lee '89, both former football team captains, entertained area youngsters during a Cornell women's volleyball game on Nov. 4. Above, Rehman mugs with Kelsey Muka and her brother, Nathan.

Alumna called 'Dr. Ruth of the MTV Generation'

By Erika Taylor '95

Sitting on the floor of her Founders Hall dorm room, Sari Locker '90 had a revelation that would change her life. She realized that she wanted to teach people about sex.

At that time she was a sophomore trying to come up with a paper topic - she eventually chose "The Problem of Adolescent Girls Who Engage in Sex Before They Are Emotionally Mature." Now Locker is nationally acclaimed as the "Dr. Ruth of the MTV Generation." She is also the author of a new book, *Mindblowing Sex in the Real World: Hot Tips for Doing It in the Age of Anxiety* (Harper Perennial), and has been given a cable television show, "Late Date with Sari," which started Nov. 6 and airs Monday through Friday from 12:30 to 1 a.m. on Lifetime.

Locker's book is written for members of Generation X - the 20-something young adults raised on MTV - who she feels have to deal with more complicated issues concerning sex than previous generations. The 25-year-old sex educator also believes Generation Xers have been bombarded with conflicting media messages and an overemphasis on the politics of sex.

"In college, we didn't realize we were caught in this web of politics. It was like a reflex," she said, recalling a campus where abortion, for instance, was discussed mainly as a political issue.

Locker said that she doesn't "want to see college kids aligned with one set of politics," and that the issues behind the political implications need to be addressed.

"Before we have rallies against date rape, we need to make sure that college students have a full understanding of dating," she said.

Locker wants her book to help people



Darryl Estrine

Sari Locker '90

enjoy sex by understanding their sexual wants and needs and being informed enough to make good decisions.

Her sex guide contains sections on condom use and sexual health, as well as sections on understanding your erotic potential and discussions on homosexuality, date rape and alternative sex.

Locker said her book was largely shaped by questions she is asked when lecturing to colleges, high schools and singles groups across the country.

Many college students are misinformed about basic matters of sex, she said, but people are generally more informed about sexual matters now than they were when she first started lecturing in 1988.

The book's appeal extends beyond Generation Xers, however, Locker said, and it is something that she would also recommend

to parents. Locker's radio show, which was broadcast once a week on WBAI in New York City until she gave it up for her TV show, already has shown her ability to attract people of all ages. Listeners who called in to the show were often in their 30s and 40s, and sometimes over 60, she said.

Locker's savvy with the topic can partly be attributed to her mother, she said. Sex was never a taboo subject even when she was a child, and she would often go to her mother for explanations of dirty jokes she'd heard in elementary school.

But when she entered college at 16, Locker planned on studying non-human animals. As a child, she was captivated by the mating habits of her pets and read genetics textbooks so that she could breed hamsters with the coloring of panda bears. During high school, she bred birds and cocker spaniels.

"I started at Cornell as an agricultural education major and thought I was going to go on TV and teach about animals," she said.

The epiphany in her dormitory changed all of that. She changed her concentration in education from agriculture to psychology.

"I spent the summer between sophomore and junior year sitting in the stacks of Mann Library reading every journal of sex research," she said. During her fifth semester in college, Locker decided that she wanted to go out and teach, so she called Ithaca High School and volunteered to be a guest lecturer in health classes. The school agreed, as eventually did dozens of other high schools and colleges across the country. By the spring of her junior year, Locker had published an article in the *Handbook of Sexology* and, after graduating from Cornell, she was accepted into the University of Pennsylvania to gain her master's degree in human sexuality education.

Childhood *continued from page 7*

ars and students and their counterparts in Africa, Asia, Europe, Latin America and Oceania," predicted Cochran, whose programs will have a study abroad component as well.

All these CECP initiatives, which include outreach and service to the community, also are closely tied to teaching, Cochran stressed. In addition to a three-course sequence relating to preschool children and related courses for undergraduates, CECP hosts graduate students working on child-care policies and programs.

This past summer, for example, CECP supported students through a very competitive Head Start graduate fellowship and through summer internships for advanced undergraduates who worked as teaching assistants in the child-care program.

"Our quest is to enhance our capacity to rear our young to become healthy, productive members of American society despite the backdrop of poverty and stress that challenge family life today," Cochran said. "We believe that can be done through a preventive, family strengthening model, which is

at the heart of CECP programs and goals."

Cochran, who joined the Cornell faculty in 1973, received his B.A. (1964) from Harvard University and M.A. (1969) and Ph.D. (1973) from the University of Michigan. He is the recipient of numerous awards, including the National Program Development Award and the 75th Anniversary Award from Cooperative Extension for his film and parent educational materials on the Family Matters Project, a longitudinal, cross-national study Cochran spearheaded in the 1980s directed at strengthening families.

Wettest Oct. in a century ends N.E. drought

By Blaine P. Friedlander Jr.

The Northeast's wettest October in 101 years has ended a drought that had gripped the region since the spring, according to climatologists at the Northeast Regional Climate Center at Cornell.

"It was going to take a serious amount of rain to ease the drought conditions that really took hold of the Northeast this summer," said Keith Eggleston, climatologist at the center. "And that's just what we got during October."

Thanks in large part to the remnants of Hurricane Opal and a couple of strong, moist cold fronts, October 1995 became the wettest October in more than a century in the Northeast. The region averaged 6.32 inches of rain for the month—nearly twice the October normal. The previous record wettest October was 6.29 inches in 1976. Vermont and New Hampshire also reported their record soggiest October, while it was the second wettest on record in New York and Pennsylvania, and the third wettest in Connecticut and Massachusetts.

Wilmington, Del., replaced its October record of 7.5 inches of rain established in October 1902 with the 8.01 inches reported last month. Philadelphia reported 5.99 inches for its fourth wettest October in over 100 years, Eggleston reported.

Weather stations in parts of central and eastern Pennsylvania, through northern New Jersey, eastern New York and interior New England reported 7 to more than 10 inches of rain this month. Extreme southwestern Pennsylvania through most of West Virginia did not benefit quite as much from the region's plentiful rains: They received less than 4 inches of rain. West Virginia averaged just 3.68 inches, which is 115 percent of normal.

Year-to-date precipitation departures ranged from 5.89 inches below normal in New Jersey (84 percent of normal) to 0.08 inches above normal in New Hampshire (100 percent of normal). The area-weighted average for the entire Northeast was 2.96 inches below normal, which was 91 percent of normal.

The Palmer Drought Severity Index at the end of October showed considerable improvement, but a few places, such as eastern Maryland, were still reporting mild to moderate drought conditions. Mild drought also was indicated for central West Virginia through southwestern Pennsylvania, in extreme northeastern Pennsylvania, and extreme southeastern New York through coastal sections of Connecticut.

Moog synthesizer inventor returns to campus to talk about theremins

By Larry Bernard

Robert Moog, best known for co-inventing the synthesizer that bears his name and turned a generation on to electronic music, recalled how he started building the instruments out of a garage in Trumansburg.

While a Cornell graduate student in 1960 earning a doctorate in applied and engineering physics (1965), Moog wrote an article for what is now *Electronics World* magazine describing the instrument.

"I got so many orders, I had to drop out of Cornell for several months," he recalled last week during a rare visit to campus. "It was just two of us, my wife and I, and we rented a garage and sold 1,000 kits. We did that for a year or so, and then it became a background activity."

But success did not come quickly. "I was surprised at the first order because I didn't think of it as a business," Moog said.

Then came, however, a full-length album that boosted the synthesizers' popularity—*Switched on Bach*. "That was a whole

record of familiar music on a synthesizer, that sold over 1 million copies," Moog said. "That was the biggest surprise of all."

Moog was on campus Nov. 2 to talk about his latest business, building kits for a unique electronic instrument called a theremin and other electronic instruments. Moog was building theremins before he invented synthesizers.

Invented by Russian-born Leon Theremin in the 1920s, the theremin creates sound simply by having someone move a hand in the air over it, never touching the instrument. It is perhaps best recognizable in the Beach Boys' hit song, *Good Vibrations* of 1966, and in various '50s and '60s science-fiction film soundtracks.

"The first theremins were made with vacuum tubes. We're updating theremin technology," he said. "The original tone color is what we strive for."

Moog also gave a talk at Willard Straight Hall before a showing of the film "Theremin: An Electronic Odyssey," about the life of the inventor, who died last year at age 97.



Bill Warren

Tibetan refugees in Dharamsala watch with heightened emotion as the Tibetan flag is raised on March 10, National Uprising Day, commemorating the demonstrations of 1959, when the people of Lhasa rallied against Chinese rule in Tibet's capital city.

Health educator's book looks at Tibetans in exile

By Susan Lang

When the Chinese invaded Tibet in 1959, the Dalai Lama and thousands of other Tibetans fled to Dharamsala, India, where they have remained. A new book, with 160 color photographs and a series of lively essays, captures the lives, spirit and culture of these refugees who prevail over the adversities of exile to preserve their ancient Buddhist ways.

Living Tibet: The Dalai Lama in Dharamsala (Snow Lion Publications, \$26.95), photographed by Bill Warren and written by Nanci Hoetzlein Rose, is a vibrant photographic investigation into the rich artistic and cultural heritage of one of the most successful refugee communities in history. This unique collaborative effort covers the arts, children, monks and nuns, medicine, street life, mysticism and the political history of Tibetans living in exile. There are exclusive portrayals of the Dalai Lama and other important political and spiritual figures, including the child lama, Ling Rinpoche. The book also contains maps



Bill Warren

Nanci Hoetzlein Rose poses with a Tibetan friend in Dharamsala.

and a concise travel guide.

Photojournalist Bill Warren traveled three times to the Himalayas of northern

India to document the refugee community. Rose, a health educator in University Health Services at Cornell, conducted research for the book in Dharamsala for six months in 1990. She coordinates substance abuse prevention programs among Cornell students and has been studying sacred dance and the religious and philosophic traditions of various cultures for 25 years.

The book's foreword, by the Dalai Lama of Tibet, the Nobel Peace Prize Laureate in 1989 and the Bartels World Affairs Fellow at Cornell in 1991, concludes: "This illustrated book focusing on the life of Tibetans in Dharamsala reveals many facets of our life as refugees. I congratulate photographer Bill Warren and author Nanci Hoetzlein Rose for their efforts, and trust readers may be inspired to lend their support to our efforts to gain a fair hearing for Tibet."

Rose and Warren will present a free slide show and book-signing on Tuesday, Nov. 14, at 7:30 p.m. in the Founders Room of Anabel Taylor Hall, as part of Tibet Week in Ithaca.



Adriana Rovers/University Photography

Robert Moog, inventor of the synthesizer, who earned a doctorate at Cornell in applied and engineering physics in 1965, returned to campus last week. Above, he demonstrates a theremin to students in David Borden's Music 120 class on Nov. 2. Helping with the demonstration, at left, is the class TA, Stephen Dill '96.

CALENDAR

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Durland Alternatives Library

Ithaca Journal photographer Bill Warren and Cornell author Nanci Rose will give a slide presentation and talk about their new book, *Living Tibet: The Dalai Lama in Dharamsala*, Nov. 14 at 7:30 p.m. in the Founders Room of Anabel Taylor Hall. A reception and book-signing also will be held.

European Studies

"The Florentine Academy and the Early Modern State," Karen-Edis Barzman, history of art, Nov. 10, 12:15 p.m., 153 Uris Hall.

Floriculture & Ornamental Horticulture

"Use of the World Wide Web for Instruction in Horticulture," Kenneth Mudge, Nov. 16, 12:20 p.m., 37 Plant Science Building.

Medieval Studies/History

"Monastic Lies: How We Were All Misled About the 10th C. Reform in England," Julia Barrow, University of Nottingham, Nov. 16, 4:30 p.m., 164 Goldwin Smith Hall.

Professors-at-Large

"Environmental Refugees: An Emergent Crisis in the Global Arena," Norman Myers, environment and development consultant for World Bank, World Wildlife Fund, and U.S. Departments of State and Energy, Nov. 9, 7 p.m., Boyce Thompson Auditorium.

Sloan Program

Carolyn Roberts, speaker of the American Hospital Association and president of Copley Health Systems Inc., will give a lecture Nov. 16 at 4 p.m. on the sixth floor of the Johnson Museum.

Society for the Humanities

"Pathologies of the Social: Tradition and Actuality of Social Philosophy," Axel Honneth, Institut für Grundlagen der Politik, Berlin, and the New School for Social Research, New York, Nov. 16, 4:30 p.m., 165 McGraw Hall.

Southeast Asia Program

"Gays, 'Kathoeys' and Men: A Preliminary History of Thailand's Third Gender," Peter Jackson, Australian National University, Nov. 9, 12:15 p.m., Kahin Center, 640 Stewart Ave.

"Participatory Crisis and Critical Election in Postwar Philippines," Eva-Lotta Hedman, SEAP, Nov. 16, 12:15 p.m., 640 Stewart Ave.

University Lectures

"The French and Their Past," Stanley Hoffmann, Harvard University, **CANCELED**, 30 p.m., Hollis Cornell Auditorium, Goldwin Smith Hall.

Veterinary College

James Law Lecture Series: "Mothers, Babies and Diseases in Later Life," David J.P. Barker, University of Southampton, Nov. 9, 4 p.m., Call Alumni Auditorium, Kennedy Hall.

music

Department of Music

Nov. 11, 8:15 p.m., Barnes Hall: Having chosen artists from Cornell, Ithaca and Ithaca College, John Hsu will conduct this chamber orchestra to perform music by Arcangelo Corelli (*Concerto Grosso in C Minor*); Joseph Haydn (*Concerto in D Major and Symphony No. 43 in E-flat Major*) and Luigi Boccherini (*Symphony No. 13 in B-flat Major*). The members include violinists Kaoru Ishibashi, Kenneth Fung, Julie Carson, Jennifer Billing, Errol Laub and Elizabeth Nee; violists Ben Tavenner and Francisco Lopez de Saro; cellists Susan Crisfield and Heidi Gromoll; double bass David Perry from Syracuse; oboists Soho Choi and David de la Nuez and horn players Daniel Coffman and Naomi Dushay.

Nov. 12, 4 p.m., Barnes Hall: The second student chamber music concert, with Renaissance and contemporary, instrumental and vocal, solo and ensemble music, will be given under the direction of William Cowdery.

Nov. 14, 8:15 p.m., Barnes Hall: Students of Xak Bjerkén will perform music by Rachmaninoff, Schubert, Liszt and Schumann.

Statler Series

The Borodin Trio will perform works by Spohr, Shostakovich and Mendelssohn on Nov. 16 at 8:15 p.m. in Statler Auditorium. Tickets for the concert at \$12-\$20; \$10-\$17 for students and are available at the Lincoln Hall ticket office, open Monday through Friday, 9 a.m. to 1 p.m. VISA MasterCard and CornellCard are accepted. For information, contact the ticket office at 255-5144.

Willard Straight Hall Program Board

Each Thursday from 8 to 10 p.m. in the Memorial Room, the WSH Program Board is presenting a coffeehouse to celebrate the 70th anni-

versary of the Straight. Jodi Kessler will perform folk music Nov. 9.

Settie will give a concert Nov. 15 at 8 p.m. in the Memorial Room.

Bound for Glory

Nov. 12: Lucy Kaplansky will perform. The show runs Sunday nights from 8 to 11, with live sets at 8:30, 9:30 and 10:30 p.m. in the Commons Coffeehouse of Anabel Taylor Hall. Admission is free and is open to everyone. Kids are welcome, and refreshments are available. Bound for Glory is broadcast on WVBR-FM, 93.5 and 105.5.

readings

Creative Writing

Ed Hardy, visiting professor of English, will give a reading Nov. 16 at 4:30 p.m. in the A.D. White House. His short fiction has appeared in *Gentleman's Quarterly*, *Ploughshares*, *The Quarterly*, as well as in many other journals. His first novel, *Geyser Life*, is forthcoming from Bridge Works Press.

religion

Sage Chapel

Janet Cooper Nelson, university chaplain at Brown University, will give the sermon Nov. 12 at 11 a.m.

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 prayers and breakfast, 7 a.m.

Catholic

Weekend Masses: Saturday, 5 p.m.; Sun-

day, 10 a.m., noon and 5 p.m., Anabel Taylor Auditorium. Daily Masses: Monday-Friday, 12:20 p.m., Anabel Taylor Chapel. Sacrament of Reconciliation, Saturday, 3:30 p.m., G-22 Anabel Taylor Hall.

Christian Science

Testimony meetings sharing healing through prayer and discussion every Thursday at 7 p.m., Founders Room, Anabel Taylor Hall. For more information see <<http://www.msc.cornell.edu/~bretz/cso.html>>.

Episcopal (Anglican)

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

Friends (Quakers)

Sundays, 11 a.m., meeting for worship in the Edwards Room of Anabel Taylor Hall. Discussions most weeks at 9:50 a.m., 314 Anabel Taylor Hall.

Jewish

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

Friday Services: Conservative, 5:30 p.m., Founders Room, Anabel Taylor Hall; Reform, 5:30 p.m., ATH Chapel; Orthodox, Young Israel, call for time, 272-5810.

Saturday Services: Orthodox, 9:15 a.m., One World Room, ATH; Egalitarian Minyan, 9:45 a.m., Founders Room, ATH.

Korean Church

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

Latter-day Saints (Mormon)

Sunday services: Cornell Student Branch, 9 a.m., Ithaca ward, 1 p.m. For directions or transportation, call 272-4520, 257-6835 or 257-1334.

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.



The Borodin Trio will perform Nov. 16 in Statler Auditorium.

Noted chamber music trio performs Nov. 16

The 1995-95 Cornell Chamber Music Series continues with a performance by the Borodin Trio Thursday, Nov. 16, at 8:15 p.m. in Statler Auditorium.

Trio members are Rostislav Dubinsky, violin, Luba Edlina, piano, and Laszlo Varga, cello. The program will include the *Piano Trio Op. 124, No. 3* by Ludwig Spohr, the *Piano Trio, Op. 67* by Dmitri Shostakovich and the *Trio No. 1, Op. 49* by Felix Mendelssohn.

In the Soviet Union, Dubinsky served as first violinist of the distinguished Borodin Quartet for 30 years, and his wife, Edlina, concertized and recorded extensively with that ensemble. In 1976, after emigrating to the West, they formed the Borodin Trio with cellist Yuli Turovsky. When Turovsky resigned from the ensemble, Varga, who served as principal cellist of the New York Philharmonic for eleven years, became the trio's third member.

The Borodin Trio has appeared in concert throughout Europe, North and South America, Australia, New Zealand and the Middle East to critical acclaim. In addition to their performances of the chamber music literature, they often appear with orchestras in Beethoven's *Triple Concerto* and in the Brahms *Double Concerto*, most recently under the baton of Sir Neville Marriner.

Dubinsky now is chairman of the chamber music program at Indiana University, where Edlina is a professor of piano. All three members of the Borodin Trio reside in Bloomington, Ind.

Tickets for the concert are \$12-\$20-\$10-\$17 for students – and are available at the Lincoln Hall ticket office. The office is open Monday through Friday, 9 a.m. to 1 p.m. VISA MasterCard and CornellCard are accepted. For more information, contact the ticket office at 255-5144.

seminars

Animal Science

"Integrating Courses in a Learning Continuum for Freshmen Through Full Professors," Aaron Moen, natural resources, Nov. 14, 12:20 p.m., 348 Morrison Hall.

Anthropology

"Is Nepal in South Asia? The Condition of Non-Postcoloniality," Mary DesChene, Bryn Mawr College, Nov. 10, 3:30 p.m., 215 McGraw Hall.

Applied Mathematics

"Running on Water," Tom McMahon, Harvard University, Nov. 10, 3 p.m., 310 Rhodes Hall.

Astronomy & Space Sciences

"Smurfs in Space: Star-Formation Histories of Blue Compact Dwarf Galaxies," John Salzer, Wesleyan University, Nov. 9, 4:30 p.m., 105 Space Sciences Building.

Biochemistry

"Transcription Initiation and Transcription Activation," Richard Ebricht, Rutgers University, Nov. 10, 4 p.m., large conference room, Biotechnology Building.

Chemistry

"Development of Chemical Concepts for Controlling the Mesophases Formed by Polymers," Coleen Pugh, University of Michigan, Nov. 13, 4:40 p.m., 119 Baker.

City & Regional Planning

"New York City Re-invented: Immigration and Population Change in the Post-1965 Era," Joseph Salvo, New York City Planning Commission, Nov. 10, 12:15 p.m., 115 Tjaden Hall.

Ecology & Systematics

"Scaling From Trees to Forests: The Problem of Relevant Detail," Douglas Deutschman, ecology & evolutionary biology, Nov. 10, 12:30 p.m., A106 Corson Hall.

"Linking Leaves to Landscapes – Water and the Role of Plants in the Hydrologic Cycle," Todd Dawson, ecology & systematics, Nov. 15, 4 p.m., A106 Corson Hall.

Electrical Engineering

"Microstructures and Micromachining at the Center for X-ray Optics," Keith Jackson, Lawrence Berkeley Laboratory, Nov. 14, 4:30 p.m., 219 Phillips Hall.

Entomology (Jugatae)

"Augmentation of a Native Parasitoid for *Lygus hesperus* Management in Strawberries," Andrew Norton, Nov. 9, 4 p.m., A106 Corson Hall.

"Weird and Wonderful Effects of Mermithid Nematodes on Their Insect Hosts," Sarah Vance, Nov. 16, 4 p.m., A106 Corson Hall.

Fruit & Vegetable Science

"Carbon Balance in Apple Trees: Crop Load and Leaf Mite Stress Effects," Ana Francisconi, horticultural science, Geneva Agricultural Experiment Station, Nov. 9, 4 p.m., 404 Plant Science Building.

"Finding Funds for Your Programs and Projects," Eric Rosario and Maya Gussak, CALS development office, Nov. 16, 4 p.m., 404 Plant Science Building.

Geological Sciences

"New Results From ACCRETE, a Multi-disciplinary Study of Continental Growth in Southeast Alaska and British Columbia," Lincoln Hollister, Princeton University, Nov. 14, 4:30 p.m., 1120 Snee Hall.

Hazardous Waste Toxicology

"Multiple Mechanisms of PCB Neurotoxicity," David Carpenter, SUNY Albany, Nov. 15, 12:20 p.m., 135 Emerson Hall.

Immunology

"MHC Class I Molecules, Peptides and Polymorphic TAP Peptide Transporters in the Rat," Geoff Butcher, The Babraham Institute, Cambridge, Nov. 10, 12:15 p.m., Boyce Thompson Auditorium.

Latin American Studies

"Colonization, Violence and Cultural Differences in Uraba, Colombia," Mary Roldan, history, Nov. 14, 12:15 p.m., 153 Uris Hall.

Materials Science & Engineering

"Polymeric Materials Synthesis and Processing in Carbon Dioxide," Joseph DeSimone, University of North Carolina, Nov. 16, 4:30 p.m., 140 Bard Hall.

Mechanical & Aerospace Engineering

"Making Sense: Getting the Word Out," M.D. Morris, McGraw-Hill Book Co., Nov. 9, 4:30 p.m., 155 Olin Hall.

Olin*Kroch*Uris Libraries

An advanced class on the World Wide Web will be held Nov. 13 from 2 to 4 p.m. in the Uris Library

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CALENDAR

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Instruction Lab. Questions, call 255-4144 or e-mail olinref@cornell.edu.

Ornithology

"The Old Song and Dance: Courtship Displays in Tropical Manakins," David McDonald, University of Florida, Nov. 13, 7:30 p.m., Fuertes Room, Lab of Ornithology, 159 Sapsucker Woods Road.

Peace Studies Program

"Security Implications of Migration," Sarah Spencer, Institute for Public Policy Research, London, Nov. 9, 12:15 p.m., G-08 Uris Hall.

"Adventures of a Poet: Networking for Survival in the Russian Civil War," Barbara Walker, Institute for European Studies, Cornell, Nov. 16, 12:15 p.m., G-08 Uris Hall.

Pharmacology

"InsP3 Receptor Down-Regulation," Richard Wojcikiewicz, SUNY Syracuse, Nov. 13, 4:30 p.m., Lecture Hall III, Veterinary Research Tower.

Physiology

"An Inducible Immune System in Plants: Analogies to the Animal Model," Terry Delaney, plant pathology, Nov. 14, 4 p.m., G-3 Veterinary Research Tower.

Plant Biology

"Botanical Illustration: Art, History and Practical Applications," Benta King, L.H. Bailey Hortorium, Nov. 10, 11:15 a.m., 404 Plant Science Building.

Plant Breeding

"Oat Interchange Genetics," William Wilson, plant breeding, Nov. 14, 12:20 p.m., 135 Emerson.

Plant Pathology

"Aroma and Function: A New Phytoalexin in Raspberries," Wladek Borejsza-Wysocki, food science & technology, Nov. 14, 3 p.m., A133 Barton Laboratory, Geneva Agricultural Experiment Station.

"Regulation Cascade of the *Erwinia amylovora* hrp Genes," Zhong-Min Wei, plant pathology, Nov. 15, 12:20 p.m., 404 Plant Science Building.

Psychology

"Responding to Significant Others When They Are Not There: Effects on Memory, Evaluation, Affect and Motivation," Susan Andersen, New York University, Nov. 10, 3:30 p.m., 202 Uris Hall.

South Asia Program

"Pakistan, Islam and the Politics of Muslim Unrest," Mowahid Hussain Shah, attorney, political analyst, author and former vice president of the Foreign Correspondents Association of the United States, Nov. 13, 12:15 p.m., G-08 Uris Hall.

Textiles & Apparel

"Development of Modular Integrated Body Armor," Susan McKinney, Arthur D. Little Inc., Nov. 9, 12:20 p.m., 317 Martha Van Rensselaer Hall.

"Use of Plastics/Textiles in Horticulture," David Wolfe, fruit & vegetable science, Nov. 16, 12:20 p.m., 317 Martha Van Rensselaer Hall.

Wildlife Science

"An Adaptive Approach to Waterfowl Harvest Management in North America," Jim Nichols, Patuxent Environmental Science Center, Nov. 9, 3:35 p.m., 304 Fernow Hall.

"Avian Nuisance Species: Matching the Solution to the Problem With Population Modeling," Richard Dolbeer, USDA Animal Damage Control, Nov. 16, 3:35 p.m., 304 Fernow Hall.

SYMPOSIUMS

Biophysics

"Highlights of Biophysics Research at Cornell," Nov. 15, 4:30 to 5:30 p.m., 700 Clark Hall. Topics and presenters include:

"Hanging by a Thread: The Molecular Basis for Spider Silk's Strength and Elasticity," Carl Michal, physics;

"Laser-pulse Photolysis Investigations of Neurotransmitter Receptors in the Microsecond Time Range," Li Niu, biochemistry, molecular & cell biology;

"Nonlinear Microscopy in Biological Imaging," Chris Xu, applied & engineering physics; and

"Tracking Protein Folding Pathways," Bruce Church, biochemistry, molecular & cell biology.

Mechanical Engineering

"The Design, Operation and Maintenance of Veterinary Medical Center Biohazard Level Facilities," panel discussion with Dr. Fred Quimby, William Anderson, Robert Lotkowitz and Michael McIntyre, Nov. 14, 7:30 p.m., What's Your Beef restaurant. Tour of the center at 5:15 p.m. will leave from Lecture Hall II in the Veterinary Education Center. Dinner with the Twin Tiers Chapter of the American Society of Heating, Refrigeration

and Air-conditioning Engineers (ASHRAE) at What's Your Beef at 6:30 p.m. For information or dinner reservations, call Warren Smith at (607) 762-7571.

theater

Theatre Arts

William Shakespeare's *Measure for Measure* will be performed Nov. 16-18, 30 and Dec. 1-2 at 8 p.m., and Nov. 19 at 2 p.m. in the Proscenium Theatre. Tickets are \$6 and \$8. Call 254-ARTS for information.

miscellany

Fashion Show

The Pakistan Students Association presents Pakistan Night fashion show and dinner on Saturday, Nov. 11, at 6 p.m. in the One World Room of Anabel Taylor Hall. Tickets are \$7 in advance, \$8 at the door. For tickets contact: Filza Chaudhry, 253-0074; Omar Khan, 253-2809; Kamila Faruki, 277-1013; Emane Haque, 253-0678; or Zulfi Khan, 253-8628.

Fine Arts Library Sale

The Fine Arts and Music Libraries will hold a sale of art and music books, printed music and sound recordings on Wednesday through Saturday, Nov. 15-18, from 10 a.m. to 5 p.m. in B21 Lincoln Hall (enter through south driveway entrance). The sale will be open to Cornell community only on Wednesday, Nov. 15. Bring cash or checkbook; credit cards will not be accepted.

Thanksgiving Feast

All members of the Cornell community are invited to attend a traditional Thanksgiving meal in Trillium in Kennedy Hall on Nov. 24 from noon to 3 p.m. The extensive buffet will feature turkey and all the trimmings and vegetarian entrees. Event planners are seeking volunteers to greet diners. Those interested in volunteering as a Thanksgiving host in exchange for a complimentary meal, please call the Office of Graduate Student Life at 255-1123. Following the meal, an informal get-together will be held in the Big Red Barn Graduate and Professional Student Center. Tickets (\$7 adults, \$4 children 6 to 12) are available at the following locations: Maplewood Park, Hasbrouck, Schuyler House, Hughes Hall Service Center and GCAs International Living Center; International Students & Scholars Office, Big Red Barn (after 2:15 p.m.); Intensive English Program; International Students Programming Board; Public Service Center; Dean of Students Office. Tickets also will be available at the door (\$9.50 adults, \$5.65 children 6 to 12).

sports

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

Men's Cross Country (1-1)

Nov. 11, IC4A Champs. at Boston

Women's Cross Country (2-0)

Nov. 11, ECAC Champs. at Boston

Football (5-3)

Nov. 11, COLUMBIA, 1 p.m.

Men's Hockey (0-1)

Nov. 10, BROWN, 7:30 p.m.
Nov. 11, HARVARD, 7 p.m.

Women's Hockey

Nov. 11, at St. Lawrence, 2 p.m.

Men's Polo (5-1)

Nov. 10, at Virginia, 8 p.m.
Nov. 16-19, CORNELL POLO CLASSIC

Women's Polo (4-0)

Nov. 10, at Virginia, 6 p.m.
Nov. 11, GARRISON FOREST 8:15 p.m.
Nov. 16-19, CORNELL POLO CLASSIC

Men's Soccer (14-1-1)

Nov. 12, at Brown, 2 p.m.

Men's Squash

Nov. 11-12, Ivy Scrimmage at Yale

Women's Volleyball (18-8)

Nov. 10-12, Ivy Tourn. at Pennsylvania

Wrestling

Nov. 11, ALUMNI EXHIB. 10 a.m.



Photo courtesy of Cornell Dining

Students in Balch Dining enjoyed the offerings of the Cross Country Gourmet Series featuring Longhi's restaurant from Lahaina, Hawaii, in 1988, above. Co-op dining halls will salute past Cross Country Gourmet feature restaurants during an "Encore Presentation" Nov. 13 through 17.

Entrees from featured restaurants served for students at gourmet series Nov. 13 to 17

By Darryl Geddes

Cornell students will get a taste for elegant dining Nov. 13 to 17, when the university's dining centers serve up such menu items as Rack of Lamb Provençale, Swordfish Brochette and Supreme of Chicken Josephine.

The weeklong gourmet's delight, billed as "Cross Country Gourmet Encore Presentation - A Celebration of Culinary Excellence," brings some of the most popular dishes from restaurants across the country to the Cornell campus. Under the Cross Country Gourmet series, which has been around for almost two decades, Cornell's Dining and Retail Services prepares and cooks menu items from selected North American restaurants to enhance the dining experiences of students. Even the tablecloths and flower decorations are identical to the featured restaurants.

"During our encore presentation week, we're serving up some of the best of the best," said Peggy Beach, associate director of Campus Life.

Here's what's cooking: Rack of Lamb Provençale from the Accomac Inn in Wrightsville, Pa.; Tumis, a vegetarian dish featuring fresh vegetables stir-fried in coconut milk and sweet soy sauce, from Yono's in Albany; Entrecote de Boeuf au Poivre (strip steak with cracked peppercorns) from the Pfister Hotel in Milwaukee; Supreme of Chicken Josephine from Pierce's 1894 Restaurant in Elmira; Swordfish Brochette from the Cape Cod Room in Chicago.

Dessert specials are: the original Chocolate Decadence from Narsai's in Kensington, Calif.; Hippen Baskets, a cookie basket filled

with fresh fruit from the Four Seasons Hotel in San Francisco; Peanut Butter Pie from Emeril's in New Orleans; a Pecan Ball from the Grand Hotel in Mackinac Island, Mich.

The Cross Country Gourmet Encore Presentation will be served at different dining centers each day next week. Monday service will be at Balch and Risley, Tuesday at Sage, Wednesday at Robert Purcell Union, Thursday at Jansen's and Friday at Okenshield's. Students enrolled in any board plan that includes dinner may enjoy one night of the CCG at no extra charge. Students not on a dinner plan, as well as those not enrolled in any co-op plan may indulge in the all-you-can-eat feast at a cost of \$16.50 and \$27.50, respectively.

"We take the utmost care in making sure the dining experience students and others have here reflects the restaurant we're featuring," Beach said. Such preparations, she noted, require Cornell chefs and other key kitchen staff to visit restaurants to oversee preparation of the menu item and to examine what special ingredients might need to be ordered.

"The Cross Country Gourmet series is really a learning experience for both our staff and students," Beach said. "Our chefs and others get to speak with executive chefs from other restaurants and learn new techniques in food preparation," she said. "Students also are exposed to new foods and a different dining experience."

A preview meal with full table service is offered for students, faculty, staff and their guests on Saturday, Nov. 11, from 5:30 to 8 p.m. The cost of the five-course meal is \$16.50 per person. Wine will be available at an additional price. Reservations are required and can be made by calling 255-5555.

American Hospital Association speaker gives symposium on cooperation Nov. 16

Carolyn C. Roberts, the immediate past president of the American Hospital Association and the president of the Copley Health

Systems, will offer a free and open colloquium titled "Cooperation: The Pathway to the Future" at 4 p.m. Thursday, Nov. 16, on the sixth floor of the Johnson Museum.

Sponsored by the Sloan Program in Health Services Administration and the Cornell Institute for Public Affairs, the colloquium will be followed by a reception.

As president and chief executive officer of Copley Hospital and Copley Health Systems, Inc. of Morrisville, Vt., Roberts is known as an innovator and advocate of community collaboration and voluntary governance. She has administrative experience

at large, small and specialty hospitals, and she writes frequently on health-care topics.

Under her guidance, the 54-bed Copley Hospital obtained federal funding to build a subsidized apartment complex for elderly and handicapped residents on the hospital's campus in 1978. She also has been involved in planning an assisted living community complex, an elderly day center and children's day-care center, and emergency alert services to elderly residents of rural communities.

Roberts has been a member of the AHA Board of Trustees since 1990; she is a recipient of the Health Care Executive of the Year honor by the American Academy of Medical Administrators and the Copley Hospital Foster G. McGaw Prize for community service.

The Sloan Program for Health Services Administration offers 15 to 20 students a year a master's degree in health administration. Of the 800 program graduates, more than one-third occupy chief executive positions in their organizations.



Roberts

CALENDAR

November 9
through
November 16

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

Open to the Cornell community and the general public. All events are free unless noted. Beginners are welcome. No partner necessary. For information, contact Edilia at 387-6547.

Nov. 12, Maplewood Community Center; Vulpitza (Romanian) taught by Raven, 7:30 p.m.; open dancing and requests, 8:30 p.m.

Israeli Folkdancing

Thursdays, 8 p.m., Edwards Room, Anabel Taylor Hall.

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.

• "Art in Bloom: Botanical Illustration and the Artist's Interpretation," drawings from the permanent collection and the Cornell Library, on view through Dec. 31.

• "Master Prints From Upstate New York Museums," through Dec. 31.

• "Akira Kurosaki Woodcuts," through Dec. 31. This exhibition reflects Kurosaki's knowledge of ukiyo-e methods and his personal, modern vision.

• "Ukiyo-e Prints and Woodblocks," through Dec. 31. To accompany the works by Akira Kurosaki, this exhibition, drawn from the permanent collection, includes works by Hiroshige and Hokusai, masters of the traditional ukiyo-e print.

• "Matisse: The Jazz Series," an exhibition of 26 serial prints depicting circus scenes, folklore subjects, life in Parisian music halls and the artist's own travel experiences, through March 24, 1996.

• Sunday Afternoon Artbreak: "Botanical Illustration Demonstration" with Bente Starcke King, Nov. 12, 2 p.m.

• 12 O'Clock Sharp: Thursday Noontime Gallery Talks: On Nov. 16, Nancy Green, curator of prints, drawings and photographs, will present "Master Prints From Upstate New York Museums."

Cornell Library

"Paper, Leather, Clay & Stone: The Written Word Materialized," through Jan. 5, Kroch Library, Monday through Friday, 9 a.m. to 5 p.m.; Saturday, 1 to 5 p.m.

Mann Library

Learn about the scope of the Department of Fruit and Vegetable Science's activities at the

exhibit in the lobby of Mann Library. Examples of techniques and publications, highlighted by fruits and vegetables in decoration and art, will be on display through December.

Tjaden Hall Gallery

• Paintings by Guillermo Hinojosa-Canales, through Nov. 11
• Paintings by students of Victor Kord's painting classes, Nov. 11 through 18.

Willard Straight Hall Art Gallery

• Mixed media exhibition by students and staff of WSH, through Nov. 12.
• Photographs and clippings celebrating 70th anniversary of WSH, Nov. 13 through Dec. 1.

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 and children under 12), except for Tuesday night Cinema Off-Center at the Center for Theatre Arts (\$2) and Saturday or Sunday matinees (\$3.50). Films are held in Willard Straight Theatre except where noted.

Thursday, 11/9

"The Old Lady Who Walked in the Sea" (1995), directed by Laurent Heynemann, with Jeanne Moreau, 7 p.m.

"Fast Times at Ridgemont High" (1985), directed by Amy Heckerling, with Sean Penn and Jennifer Jason Leigh, 9:15 p.m.

Friday, 11/10

"The Old Lady Who Walked in the Sea," 7 p.m.

"Reservoir Dogs" (1992), directed by Quentin Tarantino, with Harvey Keitel, Tim Roth and Steve Buscemi, 7 p.m. and midnight, Uris.

"The Postman" (1995), directed by Michael Radford, with Massimo Troisi and Philippe Noiret, 9:15 p.m.

"Fast Times at Ridgemont High," 9:30 p.m., Uris.

Saturday, 11/11

"Alice" (1989), directed by Jan Svankmajer, with Kristyna Kohoutova, Ithaca Film Fest, 2 p.m.

"The Postman," 7 p.m.

"Reservoir Dogs," 7 p.m. and midnight, Uris.

"The Old Lady Who Walked in the Sea," 9:30 p.m.

"Fast Times at Ridgemont High," 9:30 p.m., Uris.

Sunday, 11/12

"The Postman," 4:30 p.m.

"Straight Through the Heart" (1984), directed by Doris Dorrie, with Beate Jensen and Sepp Bierbichler, 7 p.m.

"Invocation/The Films of Maya Deren," directed by Jo Ann Kaplan/Maya Deren, presented by Pentangle, 7:30 p.m., Uris, free.

Monday, 11/13

"La Terra Trema" (1948), directed by Luchino Visconti, 6:45 p.m.

"The Postman," 10 p.m.

Tuesday, 11/14

"American Me" (1992), directed by Edward James Olmos, with Olmos, William Forsythe and Pepe Serna, 7 p.m.

"Surname Viet, Given Name Nam" (1989), directed by Trinh T. Minh-ha, 7:30 p.m., CTA Film Forum.

"Aguirre, Wrath of God" (1972), directed by Werner Herzog, with Klaus Kinski and Ray Guerra, 9:30 p.m.

Wednesday, 11/15

"Jerico" (1990), directed by Luis Alberto, with Cosme Cortazar, 7 p.m.

"Midnight Dancers" (1994), directed by Mel Chionglo, 9 p.m.

Thursday, 11/16

"Belle de Jour" (1967), directed by Luis Bunuel, with Catherine Deneuve and Jean Sorel, 7 p.m.

"Midnight Dancers," 9:15 p.m.

graduate bulletin

• **CoursesEnroll:** Pre-enrollment for Spring '96. All course pre-enrollment will be on-line and electronic through Bear Access through Nov. 10. A graduate student must obtain consent from the committee chairperson for the pre-enrollment course selections and then receive an electronic "adviser key" (password) from the chairperson or graduate field office. There are no course pre-enrollment paper forms to be filed with the Graduate School. As in the past, during the first three weeks of the spring semester, course "add and drop" can be done.

• **Thesis/Dissertation:** The thesis/dissertation



Early Chinese pottery is described by Cornell's Masako Watanabe, right, to newsman Peter Yung-Teh Hsu of the Chinese Television Network during the opening reception Oct. 26 of "Masterworks of Chinese Art from Cornell University," an exhibition at the Taipei Gallery in New York City. Watanabe is assistant curator of Asian art at the Herbert F. Johnson Museum of Art.

Chinese art from CU collection featured in New York gallery

By Larry Bernard

NEW YORK — About 100 aficionados, curators, journalists and friends of Cornell attended the opening of "Masterworks of Chinese Art From Cornell University" at the Taipei Gallery of the Chinese Information and Culture Center in New York on Oct. 26.

The exhibition, featuring 97 pieces from Cornell's renowned Chinese art collection at the Herbert F. Johnson Museum of Art, is open through Dec. 8 at the gallery in the McGraw-Hill Building, 1221 Avenue of the Americas.

"The exhibit is laid out chronologically over 4,500 years," said Franklin W. Robinson, director of the Johnson Museum, who treated the opening reception participants to a talk about the collection.

"We're very grateful to the gallery. This is a special exhibit that presents works of the highest quality, representing a survey of the history of Chinese art," he said. "The whole history of art over 4,500 years is represented right here, and in a stunning variety of media: jade, lacquer, urns, paintings, sculpture, ceramics, bronze, wood and stone."

submission deadline for a January 1996 degree is Jan. 12, 1996. Students should see the Graduate School thesis adviser for approval of the format of their thesis/dissertation before submitting the final copies to the Graduate School. Office hours are 9 a.m. to noon daily; also 1:30 to 3:30 p.m. on Mondays, Tuesdays and Thursdays; walk-in basis only, no appointments. Professional master's degree candidates should check with their field offices regarding the deadline, as that deadline may be earlier than the Graduate School's.

• **Fellowships for 1996-97: Foreign Language and Area Studies Fellowships.** Applications for 1996-97 will be available at the end of November in the graduate field offices and the Graduate Fellowship Office. Application deadline is Jan. 26. Award includes 9-month stipend of \$8,000 plus full tuition for 1996-97 academic year; available to citizens or permanent residents of the United States.

lectures

Africana Studies & Research Center

"Africa '95: Reflections on the British-Based Festival of African Arts," Salah Hassan, Africana studies, Nov. 10, 12:15 p.m., Hoyt Fuller Room, 310 Triphammer Road.

"Parental Advocacy and Black Student Achievement in the Ithaca School System," Lucy Brown, INHS, Nov. 15, 12:15 p.m., Hoyt Fuller Room, 310 Triphammer Road.

Archaeological Institute of America Finger Lakes Society

"Israelites and Canaanites: The Emergence of the Ancient Israelite Nation," Gloria London, Thomas Burke Memorial Washington State Museum, Nov. 13, 8 p.m., 22 Goldwin Smith Hall.

Cornell's Chinese art is largely a collection started by Martie Young, senior curator and professor of the history of art. Donors have made it one of the nation's best university-based collections of its kind, Robinson said.

Masako Watanabe, assistant curator of Asian art, described each piece during a preview for New York media. Peter Hsu, correspondent for Chinese Television Network in Taipei, filmed the tour for broadcast in Taiwan. Also attending was Po Yin Hsu, an art agent and well-known art critic in Taiwan, as well as journalists from *World Journal* and local newspapers.

"Cornell alumni tastes are very much reflected in this collection," Watanabe said. "Also, Professor Martie Young tries to incorporate teaching material, so Chinese art at Cornell is a teaching collection."

Still, "we need paintings and more donors," she said.

In his talk, Robinson described three major themes that run through the works: highly sophisticated sense of design; extraordinary rapport with nature, and respect for tradition and the past.

Biochemistry, Molecular & Cell Biology

Ef Racker Lectureship: Henry Bourne, professor of pharmacology and medicine at the University of California, San Francisco, will present the lecture, "Stories About Biological Signaling," Nov. 9 at 8 p.m. in the James Law Auditorium, Schurman Hall. He also will present a technical talk, "How Do Receptors Activate Trimeric G Proteins," Nov. 10 at noon in the large conference room of the Biotechnology Building.

Bronfenbrenner Life Course Center

"The New Urban Poverty and the Retreat From Public Policy," William Julius Wilson, University of Chicago and A.D. White Professor-at-Large, Nov. 13, 4:30 p.m., Goldwin Smith D. The Bronfenbrenner Life Course Center also will hold an informal faculty colloquium with Wilson on Nov. 16 at noon in the Faculty Commons of Martha Van Rensselaer Hall.

Chemistry

Baker Lectures: Graham R. Fleming of the University of Chicago presents a lecture series on "Ultrafast Spectroscopy" at 11:15 a.m. in 119 Baker: "Introduction to the Primary Steps in Photosynthesis: Theories of Energy Transfer," Nov. 9; "Primary Charge Separation in Photosynthetic Bacteria," Nov. 14; and "Green Plant Light Harvesting and Charge Separation," Nov. 16.

Cornell African Students Association

"Who Will Save Africa?" George Ayitteh, American University, Nov. 9, 7 p.m., Bache Auditorium, Malott Hall.

CUSLAR

The Rev. Loren Riebe, a native of Los Angeles and the only priest for about 30,000 parishioners in the remote Mexican village of Yajalon, Chiapas, will speak about his arrest and expulsion and about the current situation in Chiapas on Nov. 9 at 8 p.m. in the cafe at Anabel Taylor Hall.

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