

CORNELL Chronicle

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THE STRAIGHT

Several alums who participated in the 1969 takeover of Willard Straight Hall returned for the 25th anniversary events.

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STRESSED OUT?

Take a break from your computer and head to Helen Newman Hall for a midweek massage.

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Video furthers medical debate

By Darryl Geddes

As the federal government digs into long-secret files about human radiation experiments, Cornell is using another controversial case as the basis for an ethics-education exercise that it hopes to extend to pre-professional students nationwide.

Cornell has taken as the focus of its effort the infamous Tuskegee Syphilis Study. The 40-year U.S. government study, which began in 1932, examined the effects of untreated syphilis on some 400 impoverished African-American males who were not advised they had the disease, nor that they were subjects in the study. Rather than treating the men with penicillin, which by the mid-1940s had become a successful cure for syphilis, public health service officials deliberately excluded the men from treatment so as to monitor the progress of the disease. Only 127 men survived the study.

The centerpiece of Cornell's ethics-education exercise is a 45-minute video and study guide in which educators, doctors and survivors of the Tuskegee study discuss such issues as human experimentation, medical ethics, racism and classism.

The video, *Susceptible to Kindness: Miss Evers' Boys and the Tuskegee Syphilis Study*, features scenes from the Pulitzer Prize-nominated play *Miss Evers' Boys*, written in 1989 by Cornell professor and physician David Feldshuh. The play examines the Tuskegee study through the character of Miss Evers, based on Eunice Rivers, an African-American public health nurse who helped conduct the study.

Among those interviewed are:

- James H. Jones, author of *Bad Blood: The Tuskegee Syphilis Experiment*: "Race enabled doctors to discount their [study members'] value, but class — the fact that they did not have access to medical care in a fee-for-services system — made them for sale cheap. So cheaply that you could give them a burial, a free meal and a few bucks and watch them die."

- David Feldshuh, Cornell professor, physician and author of *Miss Evers' Boys*: "How could physicians become involved in something that, clearly in retrospect, was im-

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Earth Day, gravely noted



Sharron Bennett/University Photography

A graveyard, sponsored by Ecology House on the Arts Quad, marks extinct and endangered species for Earthfest 1994. Students are: front, Rajiv Rawat, arts and sciences '96; middle, Scott Horrocks, ag and life sciences '95; and David Woolley, ag '94.

Teaching award winners honored

By Carole Stone

English Professor Molly Hite, government Professor Peter Katzenstein and English Department Teaching Assistant Brooks Applebaum were named winners of Stephen and Margery Russell Distinguished Teaching Awards in the College of Arts and Sciences this year.

The three were honored at a convocation of the college last Friday, along with the winners of the college's John M. and Emily B. Clark Distinguished Teaching Awards and of the Robert A. and Donna B. Paul Awards for Excellence in Advising.

In letters of recommendation from students and colleagues, Hite and Katzenstein were both praised as exceptionally versatile teachers who are effective with students at every level from freshmen to Ph.D. candidates. They also were said to be more demanding than most professors, and their students said they appreciated being encouraged, and required, to do more than they thought they could.

One of Hite's students, commenting on her classroom presence, said that being in her class is like "bathing in a liquid pool of energy." A fiction writer, scholar and critic, Hite teaches modern literature, modernist theory, creative writing and a freshman seminar on "The Reading of Fiction."

Katzenstein impressed at least one of his students with his ability to "lead discussion sessions in a class of over two hundred students and link the course material to current events."

Often cited as one of the country's top three or four specialists in international relations, he teaches advanced courses and also an introductory course and others that mix theory and real-world politics.

"Everyone wonders what makes Peter such a superb teacher," government chair Ronald Herring wrote in support of Katzenstein. "It may be that his teaching skills, intuitive grasp of how to frame information to tickle the intellect, are honed by his periodically going back to being a student."

"Last year he attended the seminar of a beginning faculty member every session . . . Government 396 originated in Peter's inter-

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Shapiros share their White House romp with students on campus

By Linda Grace-Kobas

After Connie Shapiro bumped into Barbra Streisand at the Arkansas ball on the evening of Bill Clinton's presidential inauguration, her husband, Stuart, told her, "This is as good as it gets." They were both certain they had experienced the ultimate "fantasyland" that their long association with Bill and Hillary Rodham Clinton would bring.

"But, it got better!" Connie told a group of students as she and Stuart described their "midnight prowling through the White House" with words and slides at the invitation of the Willard Straight Hall Programming Board as the third Faculty Fireside Chat in the Straight Art Gallery on April 14.

Connie, now professor and chair of the Department of Human Service Studies, was a roommate of Hillary Rodham when both were students at Wellesley College, class of 1969. Connie was dating Stuart, then a

Harvard student who was, ironically, in the same class as future Vice President Al Gore.

"I didn't get to know Al Gore in college," joked Stuart, now a Cornell professor of astronomy and physics, "because in my junior and senior years I spent all my free time at Wellesley, getting to know and interact with a small group of very talented women that included Hillary and Connie."

Hillary brought her new boyfriend, fellow Yale law student Bill Clinton, to the Shapiros' wedding in 1971. The couples kept in touch over the years, with contact less frequent during their early parenting periods, Connie said, adding that she and Hillary had their daughters only a few months apart. The women's friendship was reinvigorated during Clinton's raucous campaign for the presidency, when Connie wrote letters of support to Hillary.

The Shapiros were invited to the inaugu-

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Connie Shapiro, professor and chair of the Department of Human Service Studies, sits at a desk in the Lincoln Bedroom at the White House last February.

NOTABLES

Kenneth A.R. Kennedy, professor of ecology, anthropology and Asian studies, gave a paper at a scholars' symposium April 21 at New York University, celebrating the life and work of Sir William Jones. Jones (1746-1794) was a judge for the East India Co. in Calcutta who founded the Asiatic Society and is credited with discovering that Sanskrit and related languages of ancient India were related to other ancient and modern languages. Kennedy, who was invited on the basis of his 30 years' research in human paleontology in India, spoke on "The Legacy of Sir William Jones: Natural History, Archaeology, Anthropology."

Yossi Shapiro, recipient of a doctoral degree last year from Cornell, has been named the 1993 winner of Cornell's Richard Bradfield award. The \$2,000 award recognizes excellent graduate student achievement in international agronomy, soil science or plant breeding that makes a significant contribution to alleviating world hunger. Shapiro, 33, received the award for studies on incorporating insect resistance traits found in wild tomatoes into cultivated tomatoes. Shapiro received a bachelor of science degree in agriculture from Cornell (1984). He is now a scientist with BHN Research of Bonita Springs, Fla.

Malden C. Nesheim, provost and former director of the Division of Nutritional Sciences at Cornell, is the 1994 recipient of the Conrad A. Elvehjem Award for Public Service in Nutrition. The award, which includes \$1,500 and an engraved plaque, is given for specific and distinguished service to the public through the science of nutrition. Among his many accomplishments, Nesheim helped initiate a statewide K-12 education program in nutrition and a statewide nutrition surveillance program to monitor the nutritional well-being of New Yorkers. He was instrumental in strengthening nutrition science education at Cornell and at other universities by serving on the Pew Foundation Board and played a key role in the 10th edition of the *Recommended Dietary Allowances*.

David Joel Richter '89, a government major, was one of 18 "young leaders who have had no prior experience of Asia" awarded one-year internships in Asia this year by the Luce Scholars Program. Richter graduated from Yale Law School in 1992.



Clark Distinguished Teaching Award winners, front row, from left: Ole Grimsrud, Glen Kowach, Helena S. Porte. Back row, from left: Jennifer Mohlenhoff, Amalia Tio, Emily Cooney Redinbo and Barbara LeGendre.

Teaching awards *continued from page 1*

disciplinary course-taking. I think this indicates that the passion for pursuit of knowledge which Peter conveys to so many students flows from the core of his being, and is nurtured by his own sacrifice of time to continually renew himself," he wrote.

Applebaum teaches courses in "Writing about the Expressive Arts" and "Shakespeare and Politics." Her students praised her as an exceptional writing teacher who would spend hours with a student going over a paper paragraph by paragraph.

She also was cited for her ability to stimulate interesting class discussions and keep them from going off in tangents. One of her students wrote, "Each class discussion had a personality of its own, and I can still recall each of them."

The college's Robert A. and Donna B. Paul Awards for Excellence in Advising this year were given to theater arts Professor Don Fredericksen and history Professor R. Laurence Moore.

Fredericksen and Moore each had a profound effect on the lives of former students, as attested to by the letters these students wrote to the chairs of their respective departments.

Fredericksen teaches in Cornell's relatively small film program in the Theater Arts Department. He advises all of the university's film majors and others, and there is often a line of students waiting for him outside his door. One of his colleagues noted his commitment to advising by observing that while some faculty dispense with advising as quickly as they can at the beginning of each semester, Fredericksen "can be counted on to carry on this activity with the same intensity week after week throughout the entire year."

Moore teaches in the History Department where his specialty is religion in American history. He does not attract a huge number of students, in part because of his subject and in part because he is, as one colleague said, "neither flashy nor an attention-seeker." But he is said to be a model of clarity and coherence in the classroom and a devoted and accessible adviser.

Like all advisers, Moore meets with students individually; he also meets with them in small groups. One of his former students was most impressed with the way Moore advised him in writing his senior honors thesis: Moore arranged for the three or four

students to meet with him as a group every week and for each student to report on his or her progress and discuss the others' work.

The Arts College honored four lecturers this year with John M. and Emily B. Clark Distinguished Teaching Awards: the late Michael Harum, who taught Russian in Modern Languages and Linguistics; Barbara LeGendre, who teaches in the Knight Writing Program; Helene S. Porte, who teaches psychology; and Amalia Tio, who teaches Spanish and "Spanish for the Medical Professions" in Modern Languages and Linguistics.

Harum died in a car accident on April 7. His award will be contributed to the Michael J. Harum Memorial Slavic Languages Scholarship Fund established by his family.

Six of the college's teaching assistants also were honored with Clark Distinguished Teaching Awards: Jennifer Cornell, a creative writing student who teaches English; Ole Grimsrud, a graduate student in physics; Glen Kowach, in chemistry; Jennifer Mohlenhoff, in comparative literature; Emily Cooney Redinbo, in medieval studies; and David Takacs, in science and technology studies.

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BRIEFS

■ **Hoy Road delays:** Motorists entering campus via Hoy Road near the parking garage might experience some delays over the next three weeks. Crews will be working on the second phase of a project to stabilize the roadway following the spring 1993 flooding. A trench will be created on the parking garage side of the road to drain underground storm water. Although the garage, roadway and sidewalk will remain open at all times, workers will be on site to direct vehicular and pedestrian traffic.

■ **Good Neighbor Day:** Cornell fraternities and sororities are coordinating the ninth annual Colletown Good Neighbor Day from 10 a.m. to 2 p.m. on Saturday, April 30. Good Neighbor Day activities include various community-service projects, such as cleaning neighborhood sidewalks, streets, telephone poles and open spaces. Volunteers will meet in front of the Colletown Motor Lodge, 312 College Ave., at 10 a.m. Volunteers will then assemble into teams of neighbors and students. The Good Neighbor Day planning committee includes students, residents and business owners. Sponsorship is being provided by the College-

town Neighborhood Council and Colletown businesses, in conjunction with numerous student groups, the city of Ithaca and Cornell's Office of Community Relations. Participation is open to all interested members of the community. For information, contact Randy Stevens, assistant dean of students, at 255-2310.

■ **Road/parking lot closing:** Wing Drive and the east end of the N Lot along Alumni Fields will be blocked off to traffic through Oct. 31 to allow the upgrade of the underground steam distribution system that serves the east end of the campus. For information call Bob Lotkowitz in Statutory Facilities at 255-4461.

■ **Hydrant flushing:** The flushing of fire hydrants on campus may cause drinking water to appear cloudy between Monday, May 2, and Friday, May 13. However, the water will be safe to drink, according to Douglas Clark, manager of the Water and Sewer Division of the Department of Utilities. Fire hydrants on campus will be flushed during this 12-day period on both the endowed and state campuses. The flushing

takes place annually. Building supervisors will be notified of specific dates.

■ **Garden plots:** The Cornell garden plot distribution day is May 7 from 9 to 11:30 a.m., 201 Thurston Hall. Parking will be available. Plots rent for \$6 for a single, \$10 for a double, on land donated by the College of Agriculture and Life Sciences near East Hill Plaza and at Warren Farm (near Winston Court Apartments). To receive a priority number for distribution day, send a SASE with a phone number and desired location to Cornell Garden Plots, Box 871, Ithaca, N.Y. 14851. For information call 257-3407.

■ **Silent auction:** The Senior Honor Society of the Quill and Dagger at Cornell is holding a silent auction Thursday, April 28, from 9 a.m. to 7:30 p.m. in front of Willard Straight Hall. The money raised will be used anonymously to provide tuition assistance to one or more randomly selected underclass students who are on financial aid. A wide range of goods and services will be auctioned off; anything you would like to donate would be greatly appreciated. For more information call Brian McKay at 255-8824.

Cornell Vice President Lynn to return to California

By Sam Segal

M. Stuart Lynn, vice president for information technologies, will be leaving Cornell in July after six years of intensive effort that significantly enlarged the reach of computing and network technologies on campus.

Lynn's wife and most of his family live in California, and he will be moving back to the Berkeley home he left for Cornell.

"These have been wonderful years," Lynn said. "Cornell is a terrific institution, and the staff at CIT [Cornell Information Technologies] is absolutely fabulous. But I want to be able to spend much more time with my family."

Provost Malden C. Nesheim said he would be sorry to see Lynn go and thanked him "for the exceptional leadership he has provided to the information-technology activities of Cornell. His leadership is recog-



'These have been wonderful years. Cornell is a terrific institution, and the staff at CIT is absolutely fabulous.'

— Stuart Lynn

nized throughout the nation."

"Stuart has put Cornell in the forefront of a large number of areas of computer technology," said Steven Worona, who has worked closely with him as an adviser and assistant with broad responsibilities. "He's seen as a national leader for his advances here in universal access, image technology,

client-service computing — moving away from mainframes to desktops — and the integration of computers into day-to-day life on campus."

Lynn came to Cornell after a stint with his own private business. Prior to that he was director of computing affairs at the University of California at Berkeley. He has

been particularly prominent in the national movement toward electronic libraries and electronic publishing.

Lynn says he will be leaving Cornell "as an institution well poised to fully integrate information technologies into all aspects of research, teaching and public service.

"We have a first-class network and the tools to exploit it," he said, citing improved administrative systems, on-line library access, better service to students and easy access to various sources of information.

Lynn was recently inducted as a fellow of the ACM, the national professional organization of computing and computer science. He is a member of the Commission on Preservation and Access Technical Assessment Advisory Committee, the National Telecommunications Task Force's policy committee, the board of the Copyright Clearance Center and of advisory panels for Apple Corp., IBM Corp. and Xerox Corp.

Reis tennis center to be dedicated Sat.

The new \$4.5 million Reis Tennis Center will be dedicated at Cornell on Saturday, April 30, at 4:30 p.m. at the facility on Pine Tree Road.

Named to honor the generosity of the Reis family, who are avid tennis players and major benefactors of the new center, the facility includes six courts, locker rooms, coaches offices and spectator area.

Participating in dedication ceremonies will be Cornell President Frank H.T. Rhodes, members of the Reis family, Athletic Director Laing Kennedy and Wan Chen, a senior member of the Big Red women's tennis team and president of the Red Key Society.

The dedication will be followed by grand opening festivities hosted by the Athletic Department from May 2 to 15. Current Kite Hill Tennis Bubble members may sign up for one hour of free playing time between 7 a.m. and 11 p.m. during the week of May 2 to 6. An open house for current members will be held on Saturday, May 7, from 9 a.m. to 6 p.m.

All Cornell community members can sign up for one hour of free time during the week of May 8 to 13, with an open house scheduled for Saturday, May 14. Tours will be given, and coaches will be available to answer questions on both May 7 and 14.

"The Reis Tennis Center, in addition to being a wonderful asset to the entire Cornell tennis community, will greatly benefit the varsity tennis programs and will provide a tremendous recruiting edge for our coaches," said Richard Savitt, a charter member of the Cornell Athletics Hall of Fame and member of the Reis Tennis Center Committee. Savitt was the 1951 champion at Wimbledon.

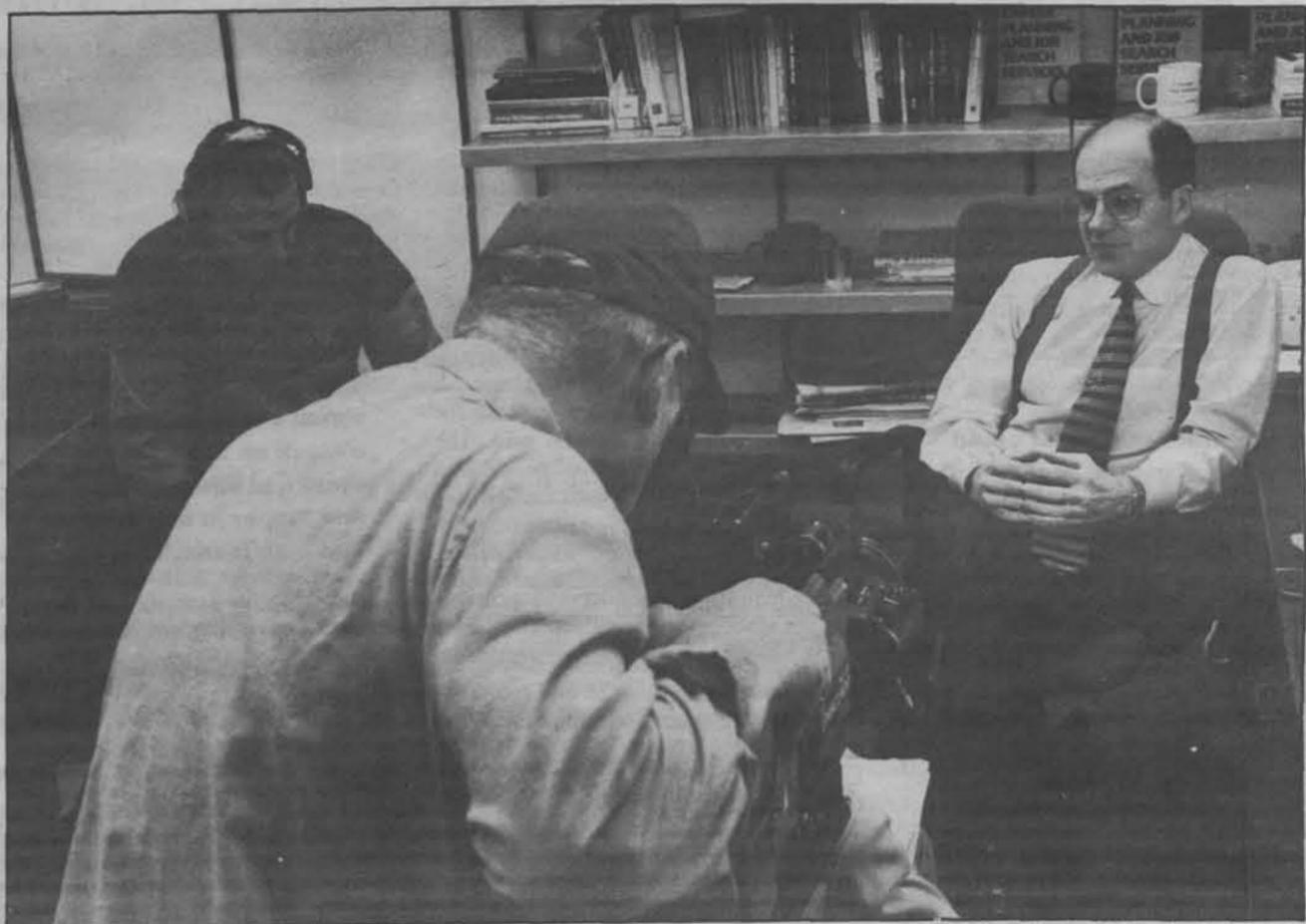
Designed by Sasaki Associates Inc., specialists in sports facilities and designers of the Schoellkopf Field press box and adjacent parking garage, the Reis Tennis Center gives Cornell one of the finest college tennis facilities in the East and will benefit physical education and intramural programs as well as the varsity tennis programs, Kennedy said.

Reis family members scheduled to attend the dedication ceremonies are parents Josephine Mills Reis and L. Sanford Reis, both Class of 1929; son Curtis S. Reis, Class of 1956; daughter Barbara Dale Reis Johnson, Class of 1958; son-in-law Richard A. Johnson, Class of 1957; and granddaughter Karin C. Johnson, Class of 1985. The senior Reises have said that tennis was a mainstay of their undergraduate years at Cornell, and they have continued to be very involved with the sport.

The Cornell Classes of 1929 and 1956 also have made significant contributions to the center.

The Reis Tennis Center is located on Pine Tree Road adjacent to the Cornell Equestrian Center.

Cornell in the news



Thomas C. Devlin, director of the University Career Center, is interviewed April 21 by NBC News. The filming is part of NBC's weeklong look at "Jobs: America's Most Wanted," which started April 24. The Cornell segment, which focuses on the innovative, high-tech career-placement operation, is expected to air during Friday's "Nightly News with Tom Brokaw."

Grounds crews struggle with damage from dogs

By David Stewart

Cornell's grounds department is struggling with an overwhelming amount of winter lawn and plant damage on campus, but additional damage is being inflicted by dogs, according to Dennis Osika, superintendent of buildings and grounds.

Osika reminds the campus community that damage caused by pets can be avoided.

"We can't do much about the weather, such as our recent record snowfall, but damage caused by dogs can be controlled," he says. Osika is asking pet owners to obey the local leash laws, which require that dogs be under voice control of their owners, in addition to being on a leash. "Even when people tie dogs to trees or posts on campus, they're violating the leash laws of the city and town of Ithaca, and the village of Cayuga Heights."

Leash laws, in effect on the entire campus, require that owners control their pets at all times. Dogs tied up outside buildings obviously are out of the control of their owners inside, he explains.

Osika says, "Dogs under stress while tied to trees, railings, furnishings or even

buildings can become aggressively vicious and intimidate pedestrians who walk by or attempt to enter buildings."

Much of the damage done by dogs tied to bushes and trees costs the university tens of thousands of dollars a year to repair, he adds.

'Tying unattended dogs to campus trees, fencing and landscape furniture not only is inhumane, but it results in damage to lawns, ground cover, shrubs and trees.'

— Dennis Osika

A similar concern has been expressed by Cornell Plantations, the university's museum of living plants. Many of the collections in the arboretum, botanical garden and natural areas are damaged each year, primarily because of unleashed dogs.

There are other concerns about unleashed

dogs roaming the campus. Free-roaming dogs pose a physical danger to the disabled, particularly the visually impaired. "There's also a public-health concern with the threat of rabies in the dog population," Osika reports.

In spring 1988, the university, student and employee assemblies adopted resolutions about the danger of loose dogs and supported enforcement of the leash laws. At first, there was an improvement in the behavior of owners, he says, but adherence to the rules has just about disappeared.

The problem at Cornell is compounded because there's a myth that a donor once gave Cornell money with the proviso that dogs be allowed to roam free on campus.

Nothing could be farther from the truth, Osika says. "Dogs are not allowed to run free and are not allowed in residence halls or dining facilities." Guide dogs are exempt.

Osika proposes to charge dog owners for damage caused by pets. "We'll be asking the campus police to refer irresponsible pet owners through the campus judicial system."

Complaints about stray dogs can be made to the campus police at 255-1111 or to the SPCA at 257-1822.

Shapiros *continued from page 1*

ration as personal guests of the First Family and to the Clintons' family holiday party at the White House this past December. It was Connie's invitation that brought the First Lady to Cornell last November as part of her campaign for the president's health-care package.

In January, Stuart was asked to serve on a National Science Foundation panel for the Computers in Science and Engineering Postdoctoral Program, which would meet in Washington, D.C., in early February. Since the weekend coincided with Connie's birthday, he suggested they celebrate it together in Washington. Connie wrote to Hillary, inquiring about the possibility of seeing her during their visit.

"Within 48 hours I received a phone call from the White House asking if we'd be interested in spending a night there," Connie related. "I said, 'Sure!'"

In spite of their previous interactions with the First Family, the Shapiros were far from nonchalant in describing their opportunity to spend a night in America's most famous building.

"It is rather awe-inspiring to go into the White House," Connie remarked, describing how she and Stuart were picked up by a White House limousine, the elaborate security arrangements and the special badges they had to wear while in First Family quarters.

The President and First Lady were out when the Shapiros arrived on Feb. 4, so they were met by a White House staff member, who escorted them to the Lincoln Bedroom, where they were to spend the night.

In their campus presentation, the Shapiros showed a number of slides they took during the visit, including two with each of them

'It was perhaps the most appropriate thing that could have happened in my lifetime, to go from being an anti-war activist to being a guest in the White House.'

— Stuart Shapiro

sitting on the famous Lincoln bed — separately. Being in that room had a very special meaning for them, Connie said, since they are both great admirers of Lincoln, and that would have been the room they would have chosen, if they had been so presumptuous.

In describing the Clintons' private rooms, which are on the top two floors of the White House, the Shapiros consistently used the word "homey." The rooms are full of books, they said, "like an educated couple's library." Stuart described one bookshelf that included books on Einstein, Jefferson and



Peter Morenus/University Photography

Connie Shapiro speaks about her friendship with First Lady Hillary Clinton to students at Willard Straight Hall April 14.

the Spanish Civil War as "not a bookshelf the Reagans would have had."

The Clintons arrived later and joined the Shapiros for dinner. Hillary had been up since dawn and had just returned from Philadelphia where she made a series of public appearances on behalf of health care, including a major speech. Bill had spent the day in his office. Though Connie had suggested that Stuart wear a jacket and tie for dinner with the President and First Lady, the President wore a flannel shirt and jeans.

Their dinner conversation went on for more than two hours, Connie said. The Clintons are very "substantive" people who "don't chitchat about the weather." Hillary asked Stuart to describe his current research in astrophysics, reminding him that Chelsea, who was present, is interested in astronomy and spent last summer at Space Camp.

In response to questions from Hillary, Connie discussed current university issues like need-blind admissions and the rising cost of higher education. Bill Clinton described his experience as governor of Arkansas dealing with the financial troubles of that university system.

"He is genuinely interested and knowledgeable about this issue," Connie noted, "and is eager to study it further."

Connie said Hillary always brings up the enthusiastic reception she received at Cornell when she is with the Shapiros, and Connie hopes this may entice her to return to campus. The two men discussed their mutual passion, golf.

After dinner ended at midnight, the First Family retired, but offered the Shapiros the opportunity to explore the White House and to use the services of a White House guide. Connie and Stuart roamed the building snapping pictures, including one of Stuart behind the podium where official press con-

'It struck me that these are our contemporaries, professional couples. It's 10 o'clock on Saturday morning, they're in the office, Hillary and Tipper in sweatshirts and blue jeans. These people work!'

— Connie Shapiro

ferences are held.

That night, Connie slept soundly, while Stuart didn't sleep at all.

"The White House at 4 or 5 in the morning," he said, "is the most peaceful place in the world. If there is ever a place to feel safe, it's there, sleeping about 50 feet away from the First Family. But I didn't sleep a wink."

The next day, the Shapiros spent the morning in the White House, sitting through the president's radio address and meeting Al and Tipper Gore, who were there to work on health care.

Connie and Stuart decided to share their experience with students, Connie said, to relate to them how important their college friendships can be, and how they evolve over time. Even after 25 years, when her six Wellesley college roommates were reunited at the inauguration, "we resumed our friendships as though very little time had passed," Connie said. "It's important to maintain those bonds."

The Shapiros described another evolution, one both political and personal. During the 1960s, they were among thousands of college students who went to the nation's capitol for a series of massive protests against the Vietnam War. It was a time of strife and anguish, when many young people felt that the political process had failed. Yet the very week that the Shapiros slept in the White House, Bill Clinton had lifted the trade embargo on Vietnam, ending decades of political hostilities.

"All my life I've been much more comfortable thinking of myself as someone who walks around the White House with a placard," Stuart said, "rather than someone who actually visits with the residents inside."

"I felt we had come full circle," Connie said she told Hillary, in going from the impassioned anti-war demonstrations of the 1960s to the historic week in which improved relations were established with America's former enemy.

"It seemed a very fitting occasion to be a guest at the White House," Stuart remarked to the President.

Medical debate *continued from page 1*

moral. If I had been a physician in the 1930s would I have joined the study? How would I know today that I'm not involving myself in something that 50 years from now might be considered the Tuskegee study of the 1990s?"

• Louis Sullivan, former U.S. secretary of health and human services: "I think clearly racial discrimination was fundamental and at the root of the Tuskegee study."

• John Cutler, physician, U.S. Public Health Service, 1942-67: "In the war against venereal disease, if a few people had to suffer, it's unfortunate. They were doing it for the rest of their race."

Larry Palmer, Cornell vice president for academic programs and campus affairs and a law professor specializing in medicine and ethics, said the video attempts to stimulate discussion on issues surrounding the Tuskegee study, which today are still at the forefront of public debate.

"We must not be afraid to ask ourselves tough questions about racism, classism and human experimentation," said Palmer, who served as executive producer of the video. "Human experimentation — as we have seen

from the recent revelations over radiation treatments — is a part of our country's history. We have to learn from the past and think critically about what are the best decisions to make in these areas in the future."

The *Susceptible to Kindness* video is



'We must not be afraid to ask ourselves tough questions about racism, classism and human experimentation.'

— Larry Palmer

currently being used in a medical ethics course at the Cornell Medical College in New York. "The video provides a dramatic portrayal of a real case in medical research for our session on Honesty, Dishonesty and Fraud in Medicine," said course director Dr.

Pamela Williams-Russo, an assistant professor of medicine.

Nathan Monhian of Iran, a second-year student at the Medical College, admonished a peer during the classroom discussion on medical ethics.

His classmate was undecided about whether a doctor in the Tuskegee study was wrong to withhold treatment from a patient — in the name of medical research — even when a cure for the patient's condition is available. "You're learning ethics not to make that

decision," snapped Monhian, who believed the patient's health should not be at the mercy of some medical study.

After viewing the video, other students suggested that the physicians involved in the study were more interested in conducting an impressive medical study than in the well-being of their patients. Some students thought that the ethical decisions made by medical researchers — who are paid to conduct their studies by the government or drug companies and for whom recognition and fame may come from being an author of a study — are in direct contrast to the decisions made by doctors.

The video and study guide are being made available to colleges and universities across the country. Producers say the video will be especially useful to individuals interested in the subject of personal and professional ethics, social issues or history.

Susceptible to Kindness was made possible by donations from Philip Morris Co., the Aetna Foundation, the Josiah Macy Jr. Foundation, the Stony Brook Foundation and the Cornell President's Fund for Educational Initiatives.

Commemorating the takeover of the Straight

Talk addresses student activism then and now

By Darryl Geddes

Dennis Williams '73, director of Cornell's Learning Skills Center, presented a list of questions for Cornell to consider at a roundtable discussion titled "1969 and Beyond: Challenges to Higher Education."

"What should students be taught today and who should teach them? What is the role of a diverse, pluralistic institute of higher education?" Williams asked of roundtable participants and the audience, which included President Frank H.T. Rhodes and Provost Malden Nesheim.

Williams contends that these issues preceded the 1969 student takeover, and in fact date back to the university's founding. "Cornell was designed to be more open and diverse than it is today," he said. "These issues need to be re-examined."

The roundtable, held April 20 in 120 Ives Hall to commemorate the 25th anniversary of the Willard Straight Hall takeover, touched on a variety of topics, including student and faculty activism and the need for more minority representation in the faculty. Panelists included Ithaca Mayor and former Cornell Professor Ben Nichols, Carlos Castillo-Chavez, chairman of the Faculty Council of Representatives committee on affirmative action, and Mary Katzenstein, associate professor of government. Kenneth McClane, the W.E.B. DuBois Professor of Literature, was moderator.

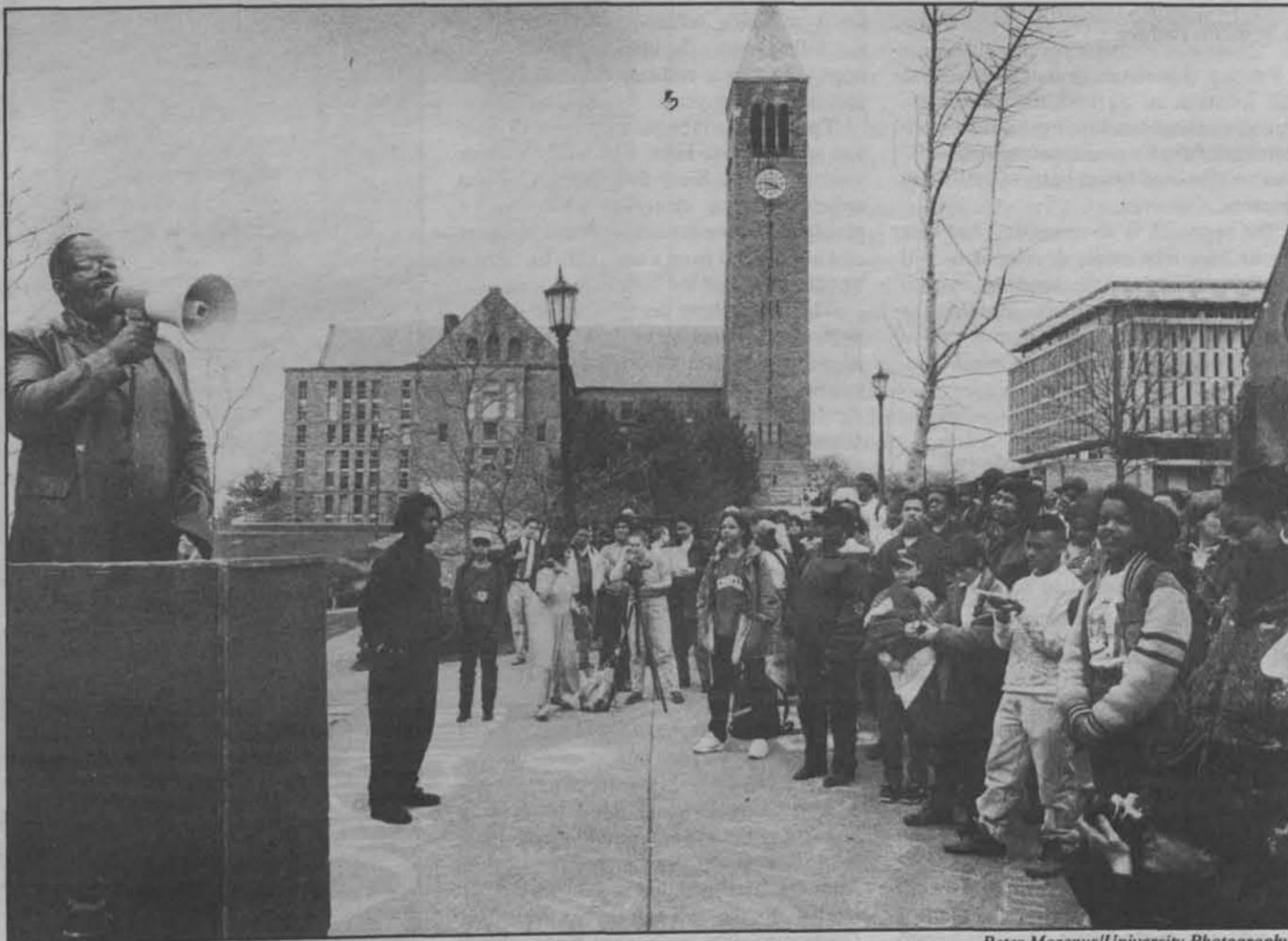
Nichols said much of the change that has come to campus since the 1960s has been generated by students. "Faculty as a whole paid little attention to student activism."

Castillo-Chavez, associate professor of plant breeding, said the activism that brought changes to Cornell cannot be forgotten. "We must be political again," he said, noting that students have made an impact on campus with their "courageous activism."

McClane said he attended Cornell because of the activist atmosphere at Cornell in the 1960s. "It mirrored reality in America," he said. "America is a divided society."

Students had no choice but to be activists, McClane noted. "Students reshaped everything because they were in pain and smart," he said. "Students demanded that Cornell be educationally responsible."

Katzenstein said Cornell was quick to defuse debate by "agreeing to disagree."



Peter Morenus/University Photography

Ed Whitfield, left, speaks April 19 at a rally commemorating the 1969 takeover of Willard Straight Hall. Whitfield, Afro-American Society president and the lead man in the famous photo of the exodus from the Straight, said, "The only reason to pay attention to what happened 25 years ago is to help us move ourselves and our community into the future."

Takeover participants return to share their thoughts

Performances of "Cultural Expressions" and an address by Straight takeover participant Andree McLaughlin were highlights of the three-day commemoration's opening dinner, attended by 200 people in the Straight Memorial Room Monday evening.

Now a professor at Medgar Evers College in New York City, McLaughlin remembered the takeover as an event that "symbolized a coming into nationhood for black and Latino students."

Quoting the poet Gwendolyn Brooks, McLaughlin termed events in 1969 "a moment of highest quality," a time when black students at Cornell "wanted to learn about our history and culture." She said, "Our rebellion in part was an act of self-preservation, a resounding 'no' to the act of assimilation which Cornell offered.

"The struggle continues," McLaughlin said as she described a litany of injustice in the world, which led to the 1960s' movements for black power, women's liberation, prison rights, the anti-war and environmental movements, to today's struggles for liberty by indigenous peoples throughout the world.

At an earlier session, two takeover participants told students that commemoration should entail a commitment to work within the nation's black communities.

Ed Whitfield, Afro-American Society president, said these days, there is no doubt that black Cornell students "have the opportunity to make it." But he urged more:

"We have to lift up and enlighten the community," he told 60 students in the Memorial Room. "It's one of the hardest

things I know of, but we have to create dreams for people - to come up with rewards for being good."

Whitfield, an electronics technician in Greensboro, N.C., who also heads the Citywide Poor People Commission there, stressed that the ultimate goal of any help should be instilling self-reliance and thus putting helping agencies out of business.

Sharing the platform with Whitfield was Robert Jackson, now a professor of nutrition at the University of Maryland.

Jackson said the takeover was "a struggle for dignity," and he emphasized that he was not apologizing for his participation. He said an informal agreement among participants "not to talk about it much" had contributed to misinformation about the event.

Tom Jones brings message of reconciliation to Straight celebration

By Sam Segal

Thomas W. Jones, to some a symbol of the racial divisiveness roused by the 1969 occupation of Willard Straight Hall, preached reconciliation last week when he returned to campus as part of the 25th-anniversary commemoration of the building's takeover.

Jones appears in those galvanizing photographs of rifle-toting black students leaving the Straight. When he was nominated to become a Cornell trustee last year, it was clear that some older alumni and faculty members thought the appointment would be inappropriate, even though Jones indicated then that he favored reconciliation.

When Trustee Jones spoke April 19, to a sparse crowd in 120 Ives Hall, his message was loud and clear:

"If I were a student today," he said, the most compelling cause would be "to build a society that respects and celebrates diversity [but] also affirms a greater sense of community, transcends our diversity, and unites us as one people despite our various colors and cultures and creeds."

"People are retreating into racial and eth-

nic enclaves all around the world," Jones added. "It is a virulent disease reminiscent of the era of tribalism which preceded the formation of nation states. But tribalism will not create a better future for our children."

Jones said there was nothing wrong with

scends our various groups," he said.

Jones, who expressed sorrow for some of the jarring consequences of the Straight takeover, nevertheless said he did not regret the decision, in "a moment of destiny," to draw a line against perceived ill will, disre-



'If I were a student today, the most compelling cause would be to build a society that respects and celebrates diversity [but] also affirms a greater sense of community...'

— Tom Jones

"support centers" like Ujamaa, Akwe:Kon or the projected Latino Living Center, "or, for that matter, the WASP support centers which in 1969 were called Delta Upsilon, Sigma Chi and Delta Delta Delta." What is essential, however, is that such centers contribute "to building a community that tran-

spect and arrogance and to demand a place for black studies in the curriculum.

Today's Cornell students also have a "unique destiny," whose challenge is even more difficult, he said, than that of 1969:

"Wage a struggle to achieve the kind of community and mutual respect amidst di-

versity which has eluded the world throughout history... Let's show the world that 'E Pluribus Unum' is possible."

Jones, president and chief operating officer of the world's largest private pension fund, TIAA-CREF, said the talk was a first step in a personal campaign:

"I've reached the top of my career," he said, "and I feel a moral obligation to take on a broader set of responsibilities to help improve the health of our society" — at Cornell and beyond.

Other 1969 Straight alumni have suggested Jones sold out his ideals. Jones replied that at TIAA-CREF, minority-group members constitute 49 percent of the 4,000 employees, 35 percent of the professionals and 12 percent of the executives.

"People look me in the eye and say, 'thank you.' That's the real world."

Jones asked that Cornellians who reject reconciliation invite him to campus for friendly, reasoned debate.

He said America has made great progress since 1969, but "We will never have a better world if each ethnic group focuses solely on perpetual resentment and animosity for historical grievances."

Wild tomato holds key to insect resistance

By William Holder

Proving that nature sometimes has the best solution to agricultural problems, Cornell scientists are tapping a wild tomato plant from Peru for genes that provide resistance to the worst insect pests of cultivated tomatoes.

The approach is so promising that new tomato lines now under development will substantially reduce the need for insecticides on commercial plots, said Martha Mutschler, Cornell associate professor of plant breeding and biometry.

'This work can benefit developed and developing nations equally, because once we have resistant cultivars, farmers will be able to grow them without pesticides.'

— Martha Mutschler

"This work can benefit developed and developing nations equally," Mutschler said, "because once we have resistant cultivars, farmers will be able to grow them without pesticides."

Field tests on plants bred from the wild tomato (*L. pennellii*) showed that infestation by two major pests — sweet potato whitefly and leafminer — diminished to as little as 1/1,000 the level found on cultivated tomatoes not treated with pesticides, said Mutschler, who teaches an undergraduate course in plant genetics and a graduate course in breeding for pest resistance.

Lines developed so far have characteristics intermediate between the familiar commercial tomato and its wild cousin, which produces green fruit and grows only in portions of Peru.

Mutschler and her colleagues are using

DNA mapping techniques developed at Cornell to hasten the breeding process and hope to have pest-resistant cultivated tomatoes within four years.

The researchers began the project 13 years ago when no one knew why wild tomatoes resisted insects. Since then, Mutschler and colleagues have identified the source of resistance as compounds called acylsugars that are exuded from a tiny, hair-like gland on the surface of the leaves and stems.

The researchers describe variability of acylsugar production in different varieties of wild tomato in an article accepted for publication in *Biochemical Systematics and Ecology*. Co-author is Yossi Shapiro, a former graduate student who received Cornell's Richard Bradfield Award for his contributions. Collaborators Ward Tingey, professor of entomology, and John Steffens, associate professor of plant breeding and biometry, have contributed to other papers on this topic.

Acylsugars are combinations of the common sugars glucose or sucrose with short-chain fatty acids. They were first identified in plants during the 1960s when scientists were investigating the flavor components of tobacco. Acylsugars impart a distinctive stickiness to the wild tomato plant.

The stickiness was initially suspected of entrapping insects and providing the plant with its resistant quality, but the Cornell team demonstrated that acylsugars are primarily feeding and egg-laying deterrents. Confronted with acylsugars, potato aphids will leave the area, if possible, and will starve to death rather than feed on a leaf coated with the compounds.

Resistance is purely a surface phenomenon, according to Mutschler. Leaves become susceptible to insect attack if the acylsugars are washed off, and conversely, unprotected tomato leaves acquire resistance when coated with the compounds. The researchers also used chimeric tomato plants in which the outer layer of tissue was from wild tomato while inner tissues were



Charles Harrington/University Photography

Martha Mutschler, associate professor of plant breeding and biometry.

from cultivated plants. Although aphids feed by inserting a stylet into inner tissues, the presence of a wild-type epidermal layer prevented feeding.

Acylsugars also deter a number of other insect pests, including the green peach aphid,

which commonly infests tomato fields. Found on more than 400 plant species from temperate to tropical regions, this aphid is capable of transmitting at least 120 plant viruses. Controlling the aphid could inhibit the spread of viruses, Mutschler said.

Talk set on S. Africa

By Carole Stone

South African post-election politics will be discussed by members of Cornell's Institute for African Development, which includes several South Africans, May 2 at 12:15 p.m. in 208 West Sibley Hall.

The roundtable discussion will be moderated by David Lewis, director of IAD, which annually sponsors 15 to 20 research fellows from countries in sub-Saharan Africa. It is free and open to the public.

Among those likely to participate are several graduate students in the Department of City and Regional Planning, including:

- Abdurazack Karriem, a South African from Capetown who was a student leader with the Azanian Peoples' Organization, a black consciousness movement supportive of socialist alternatives to the apartheid state;

- Xolela Mangcu, a South African from Ginsberg, a township outside King Williams Town and the home of black organizer Steven Biko, who was chair of the Azanian Students Movement for two years and later worked for the Development Bank of Southern Africa;

- Lenyalo Motsei, a South African from the Pretoria region of the Transvaal who has worked for the South African Red Cross, the National Institute for Crime Prevention and Rehabilitation of Offenders and the Development Bank of Southern Africa.

Cornell's Einaudi Center for International Studies also will present a program on South Africa next week: Mamphela Ramphele, deputy vice chancellor of the University of Capetown, South Africa, and a former close associate of Biko, and Sam Nolutshungu, professor of political science at the University of Rochester, will speak on "Prospects for Peace, Stability and Development in the New South Africa" on Thursday, May 5, at 7 p.m. in Uris Hall Auditorium. This, too, is free and open to the public.

CU to host African association conference

By Darryl Geddes

Educators from across the country, Canada and Europe are expected to attend the 18th Annual New York African Studies Association Conference Friday, April 29, and Saturday, April 30, at the Sheraton Inn and Conference Center in Ithaca.

The conference, hosted by Cornell's Africana Studies and Research Center and the Institute for African Development, will examine "Positive Perspectives for the 21st Century."

"No continent and people has been as subjected to intellectual distortion and abuse as has Africa and Africans," said conference co-chair Locksley Edmondson, director of the Africana Studies and Research Center.

"This conference attempts to present a more balanced perspective on Africa and explore some of the region's positive elements," said David Lewis, conference co-chair and director of Cornell's Institute for African Development.

The conference also includes teacher-training workshops aimed at educating teachers about ways to develop and enhance African studies programs in public school curricula.

Friday morning's schedule features several teacher-training workshops. Among them are:

- "Afrocentricity in the Classroom," by James Turner, Cornell associate professor of Africana studies, from 8 to 9:15 a.m. The workshop will provide an introductory discussion of the concept of Afrocentricity and its implications for education philosophy, methodology of curriculum development and pedagogy.

- "African Languages and Culture," by Abdul Nanji, Cornell senior lecturer in Africana studies, and G. Yoboue, a public school teacher from Rochester, N.Y., from 9:30 to 11:30 a.m. The session will present an introduction to African languages, which includes a special look at the Swahili program in the Rochester City School District.

- "African Art and Culture," presented by Salah Hassan, a visiting scholar of Africana studies at Cornell, from 9:30 to 11:30 a.m. The session will focus on the contemporary forms and the modern movement in African art, emphasizing the dynamic nature of today's Africa.

The afternoon session includes workshops on "Positive Perspectives vs. Negative Images of Africa," "Afrocentricity and Beyond," "Women in Rural Development," "Literature in the African Diaspora," "Indigenous vs. Imported Cultural and Political Models," "Africa and Western Media," "Africa Between Global Marginalization and Continental-Self-Reliance," "Health and Nutrition" and "Political Development and Democratization: Colonial Legacies, Contemporary Challenges"

Friday's session will conclude with a roundtable discussion on "Teaching About Africa," from 4 to 5:45 p.m. Scheduled presenters are N'Dri T. Assie-Lumumba, Cornell visiting assistant professor of Africana studies, and Barbara

'This conference attempts to present a more balanced perspective on Africa and explore some of the region's positive elements.'

— David Lewis

Ellery Jordan, education chairwoman of the American-South Africa Peoples Friendship Association. The roundtable will examine strategies and resources for incorporating African studies in New York state schools.

The highlight of Saturday's session will be the presentation of the NYASA Distinguished Africanist Award to Ali A. Mazrui, the Albert Schweitzer Professor of Humanities and director of the Institute of Global Cultural Studies at the State University of New York at Binghamton, and a senior scholar in Africana studies and an Andrew D. White Emeritus Professor-at-Large at Cornell. The presentation will be made during a luncheon, which begins at 1 p.m.

Dramatized poetry readings at Saturday's luncheon will be presented by Micere Mugo, visiting professor at Syracuse University and noted African playwright and dramatist.

Faculty and graduate students from community colleges and universities will participate.

Celebrating service



Sharron Bennett/University Photography

President Frank H.T. Rhodes stands with student volunteers April 20 at the Public Service Fair reception held as part of the Cornell Public Service Center's celebration of National Service Week April 17 to 23. The fair was presented by Into the Streets, CIVITAS and the Career Center.

Derivative securities is conference topic

By Kristin Costello

With large corporations across the globe rapidly discovering the risks and rewards endemic to derivative securities, it is a fervid topic of discussion in both the business and academic worlds.

Cornell's Johnson Graduate School of Management with Queen's University is sponsoring a conference on "Derivative Securities" designed to provide a useful exchange of knowledge between leading scholars and practitioners Saturday and Sunday, May 7 and 8, here.

The annual two-day conference, organized through the Johnson School's Executive Education Department, will offer practitioners the opportunity to explore the latest advances in derivative theory and practice including futures, options and other forms of contingent claims. Corporate plan sponsors, investment and risk managers, pension sponsors and fund managers will find the conference useful in pursuing new opportunities.

Participants will be exposed to expert views on the future trends in financial markets and the ways in which companies are using derivatives as tools for limiting exposure to market volatility.

Discussions will address the more widely known as well as less manifest risks involved with derivatives and the ways in which corporations try to hedge such risk.

The conference will cover such topics as exotic options, computer implementation, counter party risk, volatility options, the future of derivative markets, indexed futures and otc derivatives including swaps, caps and collars.

For further information regarding the Derivatives Securities Conference, contact the registration coordinator, Executive Education, Johnson Graduate School of Management, Cornell University, Malott Hall, Ithaca, NY 14853-4201 or call 255-4251.

Stressed workers' mental health can impact business success, expert says

By Rachel Preiser

NEW YORK—Ordinary language like "stress" and "burn-out" may conceal psychological problems that profoundly alter an employee's productivity, according to a Cornell Medical College specialist in occupational psychiatry.

"Ignoring employees' emotional distress as 'personal problems' is short-sighted management that can cost a business in the long run," said Jeffrey Kahn, M.D., Cornell clinical assistant professor of psychiatry and author of *Mental Health and the Workplace: A Practical Psychiatric Guide* (Van Nostrand Reinhold, 1993). "Psychologically troubled employees are not only individually less productive, but may create a work environment that can decrease the honesty and productivity of the entire organization."

Advice from Kahn, who is president of the Academy of

Organizational and Occupational Psychiatry, is directed at human-resource and mental-health professionals and management consultants, urging them to recognize and address employee distress before it becomes permanently damaging.

"Anxiety and compulsive behavior disorders can be understood as being rooted in an individual's childhood fears of separation or loss within his familial community," Kahn said. "These disorders can be aggravated by organizational restructuring or policy changes within the individual's business community." His research suggests that psychological disturbance with an origin in traumatic childhood experience will influence the individual's reaction to the business environment.

For the benefit of all employees, a business can reduce anxiety and stress produced by changes in management or structure through programs that foster a positive response to

stress, according to Kahn. But an employer must also have an institutional capacity to recognize anxiety-related behaviors in specific employees, Kahn said, so that these individuals can be referred for appropriate care to ensure their maximum productivity in a changing environment.

Personnel managers should be aware of the physiological component of certain emotional disturbances and of the availability of treatment that combines psychotherapy with pharmacotherapy, Kahn said, emphasizing the importance of making treatment accessible to employees.

"Organizations are groups of people with some kind of rationally defined purpose," said Charles W. Swearingen, M.D., a psychiatrist at McLean Hospital in Belmont, Mass., and a contributor to Kahn's studies. "But there is an irrational, emotional dimension to group life that can make or break the group's accomplishments of its goals."

Decrease all use of animals, PETA chief says

By Roger Segelken

Animals have no place in human medical research or in the production of food or clothing for humans, said Alex Pacheco, chairperson of People for the Ethical Treatment of Animals (PETA), in an April 19 speech at the College of Veterinary Medicine.

Pacheco, co-founder of the Washington-based organization, was invited to speak in the James Law Auditorium by the Cornell Student Chapter of Veterinarians for Animal Rights. He delivered a standard recruiting speech for his organization to the audience of about 200, and did not focus on Cornell's animal-based research. PETA claims a membership of nearly 500,000.

His two-hour presentation began with a celebrity-studded video that highlighted PETA's campaign against the fur industry and was followed by amateur video clips of alleged animal abuses in research laboratories and slaughterhouses.

Before he achieved a heightened respect for animal life, Pacheco said, he was responsible for killing and maiming numerous creatures by hunting, fishing and slaughtering animals for food in his family's backyard. So was his father, a surgeon who used animals in his medical studies and questioned the healthfulness of a vegetarian diet when Pacheco announced he was giving up meat.

Pacheco recounted for an appreciative audience some PETA exploits. To protest General Motors' use of live animals in crash tests, PETA members "crashed" international auto shows, locking themselves inside GM cars and displaying signs until they were forcibly removed. Pacheco and other PETA members donated their GM cars to public demonstrations in which hammer-wielding people in rabbit suits demolished the vehicles. As a result of PETA pressure, Pacheco claimed, General Motors stopped using animals in safety tests.

He asked sympathizers with "speed dialers" on their

phones to repeatedly call an 800 number at the Nature Conservancy and protest that organization's trapping of non-native animals in Hawaii. Similar protests and boycotts by PETA members, he said, halted animal-testing of Revlon, Avon, Mattel, Tonka and Benetton products.

Pacheco refused to acknowledge any need for animals in biomedical research. Citing aspirin and penicillin, he said some standard medicines would not have been approved for human use — if tested first in animals — because they are toxic



'If we really want to find a cure for human cancer, why don't we study cancer in humans and forget about pigs?'

— Alex Pacheco

to non-humans. On the other hand, dogs can eat pounds of opium with impunity, while consuming much less would kill a person, he said.

Pacheco concluded with an appeal for a vegetarian lifestyle, citing environmental as well as health concerns. The number one source of water pollution in the United States is not human sewage but wastes from animal agriculture, Pacheco said, and 90 percent of cattle food comes out as excrement, "while kids in the world are starving."

It took a while, Pacheco said, but his physician father is now a supporter of animal rights and is a vegetarian. "We are all," he said, "capable of change."

Results of research with animals

Here are some examples of research at Cornell that benefit humans and animals that could not have been possible without using animals.

• **Treatment of hypertension.** Neurobiologists at the Cornell Medical College have discovered a brain chemical in calves — agmatine — that may play a key role in regulating blood pressure in humans. Discovery of the chemical, which stimulates the release of adrenaline and noradrenaline, could lead to improved treatment for hypertension and prevention of strokes.

• **Environmentally friendly fish.** Aquaculture techniques developed by Cornell agricultural and biological engineers enable fish-farmers to raise trout in any climate, using environmentally sound, closed-loop systems. Consumers get locally produced fresh fish that are free of toxic contaminants and disease, while the environment is spared the pollution usually associated with large-scale fish farming operations.

• **Genetic cures for disease.** The development of an *in vivo* gene therapy for cystic fibrosis, using inactivated cold viruses to carry healthy genes into lung cells with an aerosol spray, began with testing in wood rats. The work could lead to *in vivo* treatments for acquired diseases ranging from tuberculosis, hepatitis and AIDS to inherited disorders such as hemophilia and diabetes.

• **Hepatitis and liver cancer.** Prevention and treatment of hepatitis B virus infection is tested in woodchucks. Hepatitis B-like viruses are a cause of liver cancer, and studies focus on improving liver-transfer techniques and testing of anti-viral agents.

Law symposium set on employee plans

Is cooperation between management and lower-level employees the answer to making American companies more competitive? Or are new worker-management plans a disguise for circumventing employee rights?

Representatives of labor and management and scholars of law and labor relations will explore these questions at a two-day symposium, "Employee Participation Plans: The Key to U.S. Competitiveness or Erosion of Workers' Rights," at Cornell Law School, on April 29 and 30.

The symposium, which will be held in the MacDonald Moot Court Room in Myron Taylor Hall, is free and open to the public.

Dennis M. Devaney, a member of the National Labor Relations Board, will give a keynote address at 7 p.m. Friday. Devaney wrote one of the opinions in the case of Electromation Inc. and the International Brotherhood of Teamsters, Local 1049. Electromation is an electrical components manufacturer. The board found that Electromation engaged in unfair labor practices when it set up an employee participation plan in response to employees' efforts to improve wages and working conditions.

Others who will speak during the symposium include: Ann G. Liebowitz, labor counsel, Polaroid Inc.; Richard Edwards, dean of the College of Arts and Sciences, University of Kentucky; Charles J. Morris, professor emeritus at Southern Methodist University; Professor Harry Katz, professor of collective bargaining, Cornell's School of Industrial and Labor Relations; and Katherine Van Wezel Stone, professor of law at Cornell Law School and the ILR School.

The symposium will include three panel discussions on Saturday starting at 9:45 a.m.

This is the fourth annual symposium sponsored by the Cornell Journal of Law & Public Policy. For more information call Mike Favale at 255-0526.

Interacting on multicultural classroom



Sharron Bennett/University Photography

Francine Jasper, training coordinator of the Cornell International Institute for Food, Agriculture and Development (CIIFAD), left, speaks with Carolyn McPherson, assistant director of the Office of Equal Opportunity, during the Interactive Symposium on the Multicultural Classroom, held April 21 in Anabel Taylor Hall. Symposium participants learned how Cornell can strengthen its pedagogy to reflect a more diverse and multicultural student body.

Reduce work force, payroll to control tuition costs, Cooke suggests

This commentary is based on Professor J. Robert Cooke's two recent reports for the Faculty Council of Representatives' Commission on Higher Education. The reports have become a foundation of the FCR's ongoing examination of the relation of tuition to financial aid and other major expenses.

The price for an endowed undergraduate degree has increased by 49 percent in inflation-corrected dollars during the past 10 years. Cornell endowed tuition has increased from a level of about 25 percent of the annual income of an average American family in 1979 to about 45 percent in 1993. Cornell's seniors in endowed colleges now pay 20.3 percent more for a year at Cornell than they did as freshmen; state-resident statutory seniors pay 22.3 percent more.

Our need-blind financial-aid program offsets some of this increase for many students (approximately 48 percent of all undergraduates receive some need-based aid directly from Cornell); yet the relentless tuition spiral – at Cornell as at many major universities – has become a compelling national problem. Our financial-aid policy also absorbs an ever-increasing proportion of our budget and requires that fewer and fewer students pay an ever-increasing proportion of the costs for other students. Without curtailment of tuition growth, we will surely reach an untenable situation.

commentary

We have justified large tuition increases by citing, quite correctly, a flattening of revenue sources – including government funds – while such expenses as financial aid and employee benefits keep rising sharply. But if we want to maintain Cornell's character and to respond reasonably to public dismay at our price increases, it is time to put our priorities in order:

Instead of annually raising tuition to meet projected expenses, we should set a policy to govern tuition at a reasonable level and limit expenses according to projected revenues, as the FCR has recently recommended. Now is the time to reassure parents

by capping the "payout" we ask of them, just as the trustees have capped the payout rate on income from our endowment – to secure the university's future.

And we must recognize that the major expense that requires governing is the payroll. We have too many people. If we act responsibly now, though, we can trim down rationally and gradually by attrition.

What follows is a summary of facts that have led me to these conclusions.

The growth in endowed tuition is being fueled by the growth in the number of em-



'Our financial-aid "problem" is real, but the growth of the employment pool is a far more serious threat to financial stability.'

– J. Robert Cooke

ployees – especially the non-academic professionals and the administrative and managerial groups – and our dependence upon tuition as a primary payroll source. At the statutory colleges, tuition for state residents is rising rapidly because of decreased state support and because of the growth of the payments for services and support provided by the university to statutory students.

There are approximately 2 students per Cornell employee. The ratio of all students (undergraduate and graduate) to all tenure track faculty increased slightly during the past 10 years (11.1 in 1982-83 to 11.8 in 1992-93). In the same period the greatest increases in headcount occurred in the non-academic professional group (an increase of 486 campuswide, or a 46 percent increase) and the managerial categories (an increase of 214 campuswide, or 36 percent). The non-academic professional group is now 97 percent as large as the tenure-track faculty. The ratio of students per non-academic employee changed from 16.5 to 12.3 during the decade; the ratio of students per executive/administrator/managerial employee decreased from 29.0 to 23.2.

The increases in headcount were largest for those units administered outside the col-

leges, in units that serve multiple colleges or the entire campus. The number of these employees, in university-managed units, increased by 881 (27.6 percent), endowed-managed colleges increased by 306 (16.8 percent) and statutory-managed colleges increased by 17 (0.5 percent).

In the face of the declining size of the college-bound population during the '80s, our response was to enhance our competitive position relative to other universities by sustaining excellence in teaching and research. We increased the quality of the aca-

22 percent in the statutory units despite multiple, painful budget reduction programs) – the steepest increases coming in benefits, especially for health care, rather than in salary. Salaries, wages and benefits constitute approximately 64 percent of the general purpose budget.

How has this rapid growth in salary costs been sustained? Largely through tuition increases! Endowed tuition accounts for 73 percent of the general purpose income budget, while investment income and indirect costs received from sponsored research generate only 11 percent and 16 percent of revenues, respectively. The \$1.25 billion capital campaign, through its enlargement of the endowment, will eventually be of some help with our tuition problem. But since \$1 million of new endowment provides, under our self-imposed payout cap, only about \$45,000 of spendable funds each year, we can't think of the campaign as the "solution."

Some of the campuswide growth in personnel has been in response to compelling and, in many cases, mandated requirements such as access for the handicapped, life-safety protection from toxic chemicals, support for disadvantaged constituencies.

Nevertheless, if we wish to limit tuition increases to a sensible level, we must find ways to reduce our employment expenses. In my opinion, that requires us to create a multiyear policy to guide and to discipline our decisions about the size and composition of our work force. We can still make the needed reductions in the size of the work force gracefully, by attrition, rather than by layoffs, if a plan is implemented soon.

Growth in the employment pool indirectly increases the financial-aid budget. Not all of the growth in employment expenses is funded from tuition dollars, but much of it is; and increasing tuition to cover salaries and benefits creates additional financial-aid demand. The annual increase in endowed salaries, wages and employee benefits is approximately half the entire annual financial-aid draw on the general purpose budget. I believe that we cannot resolve the financial-aid problem without concurrently dealing in a more substantial manner with the larger and more threatening issue of the growth of our employment pool.

J. Robert Cooke is a professor of agricultural and biological engineering.

Massage now offered at CU

By Susan Lang

You are at work in the middle of the week. Strong, skilled hands massage away the stress and tension in your shoulders, neck and back, traveling down your arms to your hands, later working on your head, face and lower back.

It's no midday daydream, but the new "Mid-Week Massage," offered by Sue West, a New York state licensed massage therapist. On Wednesdays, in a private sunny corner of the lounge in Helen Newman Hall overlooking Beebe Lake, West offers 15- or 30-minute massages (for \$10 or \$20) to any Cornell student, faculty, staff, spouse or significant other.

"With so many people stressed out and pressured these days, I find it very satisfying to have such a direct way of helping them."

— Sue West

With clothes on (though stripping to a short-sleeve T-shirt is a good idea), you lean forward in a specially designed, fully padded chair that supports your upper body, including your face. West's massage covers from the base of the spine on up, though she will work on other areas as needed.

Under the auspices of the Cornell Wellness Program, the pilot massage program has been offered since January and will continue through the spring semester. If interest is sufficient, massages may continue to be offered.

So far, West has massaged about 70

people; more than a dozen return regularly. Among them is Allison Reissman, a technical services assistant at Olin Library, who has been going weekly for several months. "I work at a computer all day and get a lot of tension in my shoulders and back from sitting down all day. The massages really help get all the knots worked out and make me feel relaxed. They're really helpful, and I'd recommend them."

Combining Swedish massage, acupressure and polarity techniques, the massages are designed to relieve mental and physical stress by reducing muscular pain and tension, calming the nervous system, and increasing circulation. The health benefits of massage and the relaxation it induces are recognized for relieving the debilitating effects of distress, West says.

On leave from her position as a senior lecturer in human development and family studies, and a former director of the Cornell Nursery School for 10 years, West began massaging in 1985 when she took a semester off to study at the Florida School of Massage in Gainesville. Now a member of the American Massage Therapy Association, West has a full-time private practice giving massages.

"This has opened a new area of exploration for me regarding holistic health and self-awareness," West said.

With more than 26 years as an early childhood specialist at Vassar College and in the College of Human Ecology, West says many of the skills she now uses are the same: "You need to observe closely, be sensitive to individuals, be responsive to their needs and help foster their growth."

To make an appointment, call 255-5133 or 255-3886, or visit 305 Helen Newman Hall. Massages are available Wednesdays from 11:30 a.m. to 1:30 p.m. and 4:30 p.m. to 6:30 p.m. (Gift certificates are available.)



Peter Morenus/University Photography

Sue West, senior lecturer in human development and family studies, gives a massage to Richard D. Klein, data manager, Space Planetary Imaging Facility, at Helen Newman Hall.

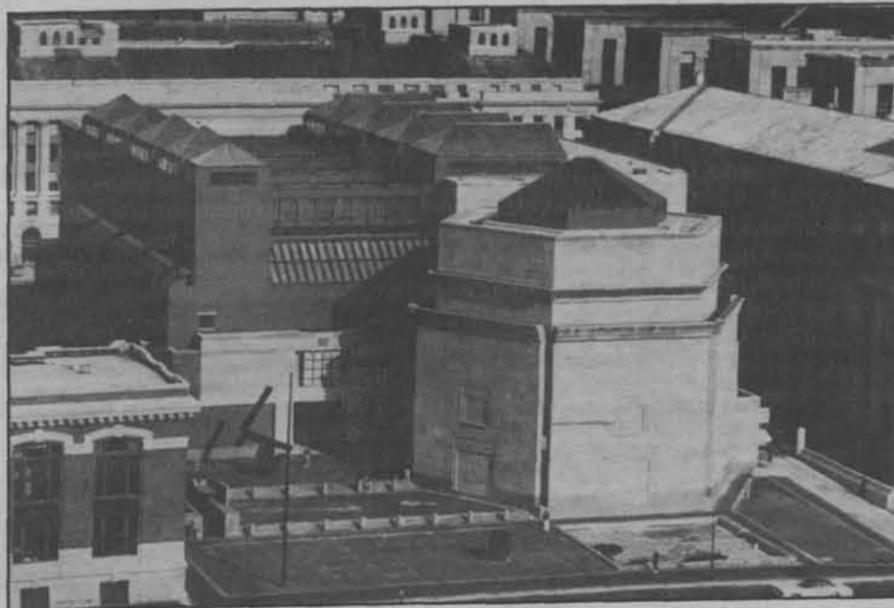
Freed's living memorial to Holocaust moves visitor

By M.D. Morris

"History is not just the recording of events. As time goes on what's left often becomes embellished or lost," James Ingo Freed, architect of the U.S. Holocaust Memorial Museum, told a packed house April 11. In what was the last public lecture ever to be given in old Ives Hall, Freed related the eight-year saga of his successful efforts to document man's summa inhumanity to man, in the most vivid factual way, that suffered neither embellishment, nor loss.

At the outset the constraints were formidable. Instead of an open field with meadow or woodland, he had a government-granted, rectangular 1.9-acre site sandwiched between a 19th-century red-brick landmark and a functioning massive Greek Revival federal building of the 1930s. From there the entire project had to be accomplished with private funds. That eventually cost \$168 million including equipment.

Originally Freed thought "the site was too difficult." He took three months to decide if indeed he wanted the stress. Freed is



The Holocaust Museum in Washington, D.C.

the first British soldiers who discovered a death camp. That incredulous wonderment of what that was and what to do about it, is what tipped the scales for him.

In his lecture he showed slides of his original sketches. He would use triangles (as the Nazi Germans did to identify gypsies and homosexuals; and inverted pairs of triangles to form the Jewish Star of David.) He'd make the chapel tower hexagonal to symbolize the six million innocent victims. The main building would be stark. A rough structure: "brutal — the end of a long journey." The bare brick and iron to be reminders of the ovens and gas chamber doors.

The uncovered steel "built-up sections" he admits were not original; "I don't mind taking from others, if it's good." The main atrium would give the feeling of a railroad station, confined by traditional dry moats.

Unlike other museums, this project was not designed for browsing or random viewing. Visitors were meant to get the sense of being herded. On entering they must ascend

to the top floor in deliberately imperfect elevators to acquire the sense of incarceration. On top they get into a flow that takes them down a sort of helix through every horrific floor, crossing hanging bridges confined in glass inscribed with millions of victims' names. The facility was designed to accommodate 650,000 visitors annually. In not quite the first year, more than one million people passed through, two thirds of whom were not Jewish.

Freed's talk was informal, low-key, low-toned, but vivid. The full house was visibly moved. For me, it took me back to my press visit last year. Only one thing kept me from despair. When my journey through was over, I learned that Shlomo Reich of Lodz, Poland, the real 1940 prisoner with whom I was "paired" by computer, had survived.

M.D. Morris is an Ithaca-based writer and editor who holds a Cornell degree in history. He taught writing courses in the M.B.A. program.

SUNY-Buffalo's Tedlocks to talk

Barbara Tedlock, professor of anthropology, and Dennis Tedlock, the James H. McNulty Professor of English and Research Professor of Anthropology, both at the State University of New York at Buffalo, will present "Dialogue on Dreams of the Earth" at Cornell on Friday, April 29, at 4:30 p.m. in 165 McGraw Hall.

The talk, one of several University Lectures presented this year, is free and open to the public.

Barbara Tedlock is editor-in-chief of the *American Anthropologist* and author of *Teachings from the American Earth: Indian Religion and Philosophy* (Liveright, 1975) and *The Beautiful and the Dangerous: Encounters with the Zuni Indians* (Viking Press, 1992). In 1986 she was awarded first prize in ethnographic fiction by the Society of Humanistic Anthropology and the American Anthropological Association. She earned a Ph.D. from the State University of Albany in 1978.

Dennis Tedlock, winner of the Pushcart Prize (1977) and the Victor Turner Prize (1991), is the author of *Breath on the Mirror: Mythic Voices and Visions of the Living Maya* (Harper San Francisco, 1993) and *Popol Vuh: The Mayan Book of the Dawn of Life* (Simon and Schuster, 1985), which won the Elsie Clews Parsons Folklore Prize.

The Tedlocks will discuss new directions for *American Anthropologist* Friday, April 29, at 12:15 p.m. in 215 McGraw Hall. They also will participate in the Conference: Performance for/and/by Anthropology Saturday, April 30, from 9 a.m. to 5 p.m. at the Johnson Museum of Art.

commentary

no ordinary man. Under his gentle, soft-spoken manner seethes a volcano of creative genius. He was born in Essen, Germany, in 1930. Nine years later, just before Kristalnacht, he was whisked to America. His parents joined him two years later. Freed grew up American, spoke no German, and knew very little of the Holocaust.

To do, or not to do the project in 1986 he went back to Germany to tour what was preserved of all the death camps. He wanted to see, smell, feel, think, ruminate. "Everywhere I went I walked on ashes and bone shards; ashes and bones from 40 years past." He listened to a recording of the voices of

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Donaldson, with Alec Baldwin, Kim Basinger and Michael Madsen, 8 p.m., Uris.
 "The Piano," 9:25 p.m.
 "Bullet in the Head" (director's cut), 10:30 p.m., Uris.

"Fantastic Planet" (1972), animation directed by Rene Laloux, midnight.

Sunday, 5/1

"The Piano," 4:30 p.m.
 "India Cabaret" (1986), directed by Mira Nair, presented by Pentangle, 7:30 p.m., Uris, free.
 "The Getaway," 8 p.m.

Monday, 5/2

"Two Daughters" (1964), directed by Satyajit Ray, with Anil Chatterjee and Chandan Bannerjee, 7 p.m.
 "The Getaway," 9:30 p.m.

Tuesday, 5/3

"Life, Death and Revolution," Southeast Asia Film Series, 4:30 p.m., Kahin Center, 640 Stewart Ave., free.

"The Piano," 7:20 p.m.
 "Bullet in the Head" (director's cut), 10 p.m.

Wednesday, 5/4

"My Beautiful Laundrette" (1986), directed by Stephen Frears, with Daniel Day-Lewis, Roshan Seth and Gordon Warnecke, 7:20 p.m.
 "The Abyss: Special Edition," 9:30 p.m.

Thursday, 5/5

TBA, 7:45 p.m.
 "Monty Python and the Holy Grail" (1974), directed by Terry Gilliam and Terry Jones, with John Cleese and Eric Idle, 10 p.m.

graduate bulletin

• **Commencement:** Commencement is on Sunday, May 29. Information packets have been mailed to all recipients of August 1993 and January 1994 degrees. Candidates for May 1994 degrees may pick up packets at the Graduate School information desk, Sage Hall.

• **Commencement reception:** A reception will be held for all graduate degree recipients, families and friends in the Lounge, Sage Graduate Center, immediately following the May 29 Commencement Exercises.

• **Diploma distribution:** Diplomas will be available at the post-commencement reception for May 1994 degree recipients who completed requirements by mid-March (bring ID). Diplomas will be mailed for other recipients.

• **Ph.D. recognition event:** The ceremony to honor Ph.D. recipients will be held in Barton Hall on Saturday, May 28, at 5 p.m. Family, friends and faculty advisers are invited; reception will follow.

lectures

Baha'i Faith

"The Next Millennium: A Baha'i Perspective," David Ruhe, retired member of the Universal House of Justice, April 29, 7:30 p.m., Kennedy Hall Auditorium.

International Studies

"Prospects for Peace, Stability and Development in the New South Africa," Mamphele Ramphele, University of Capetown, South Africa, May 5, 7 p.m., Uris Hall Auditorium.

Johnson Museum

Jean Locey, photographer and chairperson of the art department, will speak at the Johnson Museum May 1 at 2 p.m.

Messenger Lectures

"The Transfiguration of Everyday Life: Joyce," Martha Nussbaum, Brown University, April 28, 4:30 p.m., Hollis Cornell Auditorium, Goldwin Smith.

Near Eastern Studies

"Talking Democracy: Arab Women Writers," Miriam Cooke, Duke University, April 29, noon, 374 Rockefeller Hall.

"Saddam Hussein's Iraq: Three Years After the Gulf War," Amatzia Bar-Am, Woodrow Wilson Center and Haifa University, April 28, 4 p.m., 374 Rockefeller Hall.

Ornithology

Fuertes Lecture: "Ice, Wind and Flight: Reflections of Antarctica," Bill Stott, Ripon College, May 5, 7:45 p.m., Fuertes Room, Lab of Ornithology, 159 Sapsucker Woods Road.

Science & Technology Week

U.S. Rep. Sherwood Boehlert will visit Cornell April 29 to hold a public forum during National Science and Technology Week. He will give a speech and answer questions from 1:30 to 3 p.m. in the conference room, Biotechnology Building.

Society for the Humanities

"Decolonization, Displacement, Disidentification: U.S. Wars in Asia and Asian Americans," Lisa Lowe, University of California at San Diego, April 28, 4:30 p.m., Guerliac Room, A.D. White House.

"Autobiography, Truth and Memory," Frank Kermode, Whitney Humanities Center, May 4, 4:30 p.m., Lecture Room D, Goldwin Smith Hall.

University Lectures

"Dialogue on Dreams of the Earth," Barbara and Dennis Tedlock, SUNY at Buffalo, April 29, 4:30 p.m., 165 McGraw Hall.

Women's Studies

"The Relationship Between Women's Studies and Lesbian/Gay/Bisexual Studies," Biddy Martin, German studies and women's studies, April 29, 3:30 p.m., ILR Faculty Lounge, Ives Hall.

music

Music Department

• The 18-member Cornell Chamber Orchestra under the baton of John Hsu will perform Saturday, April 30, at 8:15 p.m. in Barnes Hall. This concert features Mozart's "Symphony in C Major, KV 128" and his "Symphony in D Major, KV 129." The concert will conclude with Tchaikovsky's "Serenade, opus 48."

• The highlights of the concert Sunday, May 1, at 2 p.m. in Bailey Hall, performed by the Cornell Wind Ensemble, are the 1979 Pulitzer Prize winner and composer Joseph Schwantner's "From a Dark Millennium" and "Sparrows" with soprano Judith Kellock, pianist Edward Murray and strings. Mark Scatterday will conduct a serenade by Mozart and Vincent Persichetti's "Symphony No. 6."

• Southspoon Winds, artists from Boston and New York City, and the Cornell Contemporary Chamber Players will perform music of this century Monday, May 2, at 8:15 p.m. in Barnes Hall. The Southspoon Winds ensemble consists of flutist Patricia Monson, oboist Jennifer Slowik, clarinetist Kristina Belisle, horn player Michael Manley and bassoonist Jacqueline Sifford. The concert will include works by Carter, Husa, Irving, Fine, Shirish Korde and Harbison.

• The concert scheduled for May 3, with students of Sonya Monosoff, has been canceled.

• Fortepianists Malcolm Bilson and Robert Levin will perform "Mozart for Two Players" Wednesday, May 4, at 8:15 p.m. in Barnes Hall.

Jazz Festival

• On April 28 between 2:30 and 4:30 p.m. in 301 Lincoln Hall, jazz master trumpeter Donald Byrd will conduct a combo workshop. For more information, call Karlton Hester, 255-8738. Later that evening beginning at 7 p.m. in Barnes Hall, visiting jazz ensembles from Ithaca College and Ithaca High School will perform.

• The Cornell Lab Ensembles will perform Friday, April 29, at 8:15 p.m. in Statler Auditorium. The concert will feature a performance by Byrd. Advance tickets are \$8/\$6 for students. Tickets at the door are \$10/\$8 for students.

• Trumpeter Charles Tolliver, vibraphonist Cecilia Smith and bassist Phil Bowler will conduct an improvisation workshop Saturday, April 30, from 1:30 to 3:30 p.m. in Barnes Hall.

• The Charles Tolliver Quartet and Hesterian Musicism will perform Sunday, May 1, at 8:15 p.m. in Barnes Hall. Tickets are \$3 at the door.

Plantations

The Cornell Plantations will serve as host of the Class of '40 Concert Series, which will be held Wednesday, May 4, from noon to 1 p.m. at the Class of '66 Beebe Beach on Beebe Lake below Helen Newman Hall. Jazz from be-bop to contemporary will be performed by Robert Cowie, Ramon Gomez, Dan Kerchner and David Maizlish. Admission is free; seating is under a tent.

Bound for Glory

May 1: Alisa Fineman from San Francisco will perform in three sets at 8:30, 9:30 and 10:30 p.m. in the Commons Coffeehouse in Anabel Taylor Hall. Admission is free. Bound for Glory can be heard Sundays from 8 to 11 p.m. on WVBR-FM, 93.5.

religion

Sage Chapel

A student preacher will give the sermon May 1 at 11 a.m. Music by the Sage Chapel choir, under the direction of Thomas Sokol, and William Cowdery, Sage Chapel organist.

Bilson, Levin present Mozart on fortepiano

Pianists Malcolm Bilson and Robert Levin will present Wolfgang Amadeus Mozart: Fortepiano Music for Two Players Wednesday, May 4, at 8:15 p.m. in Barnes Hall. The program is free.



Levin

The program features the "Andante and Variations for one piano, four hands, K. 501," "Sonata in F Major for one piano, four hands, K. 497," "Larghetto and Allegro in E-flat Major for two pianos" and "Sonata for two pianos, K. 448."

The instruments used are replicas of pianos from the 18th century. The mahogany piano, built in 1977 by Philip Belt, is modeled after Mozart's own fortepiano, which was built around 1783 by Anton Walter. The walnut piano, built in 1992 by Thomas and

Barbara Wolf, is a copy of a Johann Schantz fortepiano from the 1790s.

Bilson, the Frederick J. Whiton Professor of Music, is considered one of the leading fortepianists of our time. He was the featured soloist in the first complete traversal of the Mozart piano concertos on period instruments, recorded on Deutsche Grammophon's Archive label in 1982. Bilson, who joined the Cornell faculty in 1968, was elected in March to the American Academy of Arts and Sciences.

A recognized Mozart scholar, Levin's performances of the Austrian composer's music have been acclaimed throughout the United States and Canada. He has played with major orchestras the world over and has recorded for Candide, Deutsche Grammophon, Sony Classical and other labels.

Bilson and Levin have recorded two albums together, *Mozart: Music for Two Fortepianos and Sonatas for Fortepiano, Four Hands*.

African-American

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

Baha'i Faith

Fridays, 7 p.m., speakers and open discussion, meet at the Balch Archway. Sunday morning dawn prayers. For details, call 253-2401.

On Friday, April 29, at 7:30 p.m. in Kennedy Auditorium, the Cornell Baha'i Club is sponsoring a celebration of the Baha'i festival of Ridvan, commemorating the declaration of Baha'u'llah, the prophet-founder of the Baha'i Faith, as the latest in a series of prophets, or messengers, of God. Keynote speakers: David Ruhe, a retired member of the international governing council of the Baha'i Faith, the Universal House of Justice, and his wife, Margaret Ruhe. All are welcome to attend.

Catholic

Weekend Masses: Saturday, 5 p.m.; Sunday, 9:30 a.m., 11 a.m. and 5 p.m., Anabel Taylor Auditorium. Daily Masses at 12:20 p.m. in Anabel Taylor Chapel. Sacrament of Reconciliation, Saturday, 3:30 p.m., G-22 Anabel Taylor Hall.

Christian Science

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

Episcopal (Anglican)

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

Friends (Quakers)

Sundays, 9:45 a.m., adult discussion; 11 a.m., meeting for worship, Edwards Room, Anabel Taylor Hall.

Jewish

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

Reform: Fridays 6 p.m., chapel, Anabel Taylor Hall; Conservative/Egalitarian: Fridays, 6 p.m., Founders Room, and Saturdays 9:30 a.m., Founders Room, Anabel Taylor Hall; Orthodox: Friday, call 272-5810 for time, and Saturday, 9:15 a.m., Edwards Room, Anabel Taylor Hall.

Korean Church

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

Muslim

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

Protestant Cooperative Ministry

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

Sri Satya Sai Baba

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

Zen Buddhist

Thursdays, 5 p.m., chapel, Anabel Taylor Hall.

seminars

African Development

"African Market Women and Economic Power," Bessie House-Midamba, April 28, 12:20 p.m., 115 West Sibley Hall.

"Beyond South African Elections: Moving Forward," a roundtable discussion with James Turner and graduate students from South Africa, May 2, 12:20 p.m., 208 West Sibley Hall.

Applied Mathematics

"Spectral Flows and Bifurcation of Critical Points of Strongly Indefinite Functionals," Patrick Fitzpatrick, University of Maryland, April 29, 4

p.m., 456 Theory Center.

"Spatial Chaos in Lattice Dynamical Systems," Valentine Afraimovich, Georgia Institute of Technology, May 4, 12:20 p.m., 708 Theory Center.

Astronomy

"Soft Gamma Ray Repeaters: New Clues," Shrinivas Kulkarni, Caltech, April 28, 4:30 p.m., 105 Space Sciences.

"Hot Polar Caps: The Smallest X-ray Sources in the Universe," David Helfand, Columbia University, May 5, 4:30 p.m., 105 Space Sciences.

Biochemistry

"Functional Zinc Binding Motifs in Enzymes and DNA Binding Proteins," Bert Vallee, Harvard Medical School, April 29, 4 p.m., large conference room, Biotechnology Building.

Biophysics

"Exploring Protein Structure and Dynamics with Spin Labels," Wayne Hubbell, UCLA School of Medicine, May 4, 4:30 p.m., 700 Clark Hall.

Boyce Thompson Institute

Distinguished Lecture in the Life Sciences: "Regulatory Diversity in the Control of Tryptophan Metabolism in *E. coli* and *B. subtilis*," Charles Yanofsky, Stanford University, May 3, 3 p.m., large conference room, Biotechnology Building.

Chemical Engineering

"Principles and Methodologies of Metabolic Engineering," Gregory Stephanopoulos, Massachusetts Institute of Technology, May 3, 3:45 p.m., 165 Olin Hall.

Chemistry

"Formation of Patterned Copper Films by Selective Chemical Vapor Deposition," Mark Hampden-Smith, University of New Mexico, April 28, 4:40 p.m., 119 Baker.

"The Design, Synthesis and Crystal Structure of a Pyrrolinone-Based β -Strand Peptidomimetic and Application to the Design of Renin and HIV-1 Protease Inhibitors," Amos Smith, University of Pennsylvania, May 2, 4:40 p.m., 119 Baker.

Ecology & Systematics

"Broccoli, Capers and Papayas: Molecular Phylogenetics of Nouvelle Cuisine," James Rodman, National Science Foundation, May 4, 4 p.m., A106 Corson Hall.

Electrical Engineering

"On Information Rates for Mismatched Decoders," Shlomo Shamai, Israel Institute of Technology, May 3, 4:30 p.m., 219 Phillips Hall.

Environmental Sciences

"Renewable Energy Technologies in India," C.S. Sinha, Harvard University, May 2, 3:45 p.m., 401 Warren Hall.

Epidemiology Forum

"Statistical Methods to Detect Change Points: Application to PSA as a Longitudinal Marker of Prostate Cancer," Elizabeth Slate, Bruce Turnbull and Kathy Cronin, operations research, May 2, 12:20 p.m., NG-03 MVR Hall.

European Studies

"The Elections in Italy: Democratic Alternation or Prelude to Instability?" Sidney Tarrow, government, May 2, 4:30 p.m., 213 Ives Hall.

Evolutionary Biology

"Biochemical 'Exaptation' and the Evolution of Plant-Insect Relationships in Dalechampia (Euphorbiaceae)," W. Scott Armbruster, University of Alaska, April 28, 2:30 p.m., 404 Plant Science Building.

Fruit & Vegetable Science

"Plant Water Relations, Biomass Partitioning and Root ABA Levels in Cucumber Plants During Partial Root-Zone Drying," Jeff Melkonian, Ph.D.

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candidate, April 28, 4 p.m., 404 Plant Science.
 "Orchard Replant Agonistics: Evaluating New York Orchard Replant Disorders and Alternative Management Practices," Patrick Pruyne, M.S. candidate, May 5, 4 p.m., 404 Plant Science Building.

Geological Sciences

"Application of Remote Sensing Methods to Snow Hydrology and Water Resources," Albert Rango, USDA, May 3, 4:30 p.m., 1120 Snee Hall.

Hazardous Waste Toxicology

"Chemical Assaults on the Immune System," Albert Munson, Medical College of Virginia, May 4, 12:20 p.m., 135 Emerson Hall.

Hotel Administration

"The Impact of Borrowing on Hotels' Risk and Profitability," Avner Arbel, hotel administration, May 2, 4 p.m., 190 Statler Hall.

International Political Economy

Benjamin Coriat of the University of Paris will speak on politics of the New Work Organization on April 28 at 12:15 p.m., in 280 Ives Hall.

"A Union in transition: Collective Bargaining and Other Union Challenges in the New Czech Republic," Boleslav Buchwaldek, Union of Oil, Geology and Mine Workers, Czech Republic; Jiri Dite, Union's Most Region; Miroslav Syrový, Union's Ostrava Region; and Ivana Horakova, Union Foreign Relations, May 3, noon, 280 Ives Hall.

Materials Science & Engineering

TBA, Thomas Seidel, Sematech, April 28, 4:30 p.m., 140 Bard.

Ceramics Afternoon: "Solid State Reactions Between Metals and Ceramics," April 29, 2 p.m., 140 Bard Hall. Speakers include: John Perepezko, University of Wisconsin; and Stephen Sass, Yung-Cheng Lu and Rudiger Dieckmann, Cornell.

TBA, Stephen Pond, Xerox Corp., May 5, 4:30 p.m., 140 Bard.

Microbiology

"Cross-talk Between Salmonella and Host Mammalian Cells," Jorge Galan, SUNY at Stony Brook, April 29, 12:15 p.m., Boyce Thompson Auditorium.

TBA, Robert Kadner, May 5, 4 p.m., large conference room, Biotechnology Building.

Neurobiology & Behavior

"Motor Solutions for Vocal Complexity in Birdsong," Roderick Suthers, Indiana University Medical School, April 28, 1:30 p.m., A106 Corson.

"Social Insect Castes as Alternative Phenotypes," Diana Wheeler, University of Arizona, May 5, 12:30 p.m., A106 Corson Hall.

Nutritional Sciences

"Developing Indicators That Predict Benefit From Prenatal Energy Supplementation," Becky Kiewer, nutritional sciences, May 2, 4 p.m., 100 Savage.

Operations Research & Industrial Engineering

"Software Development for Manufacturing Planning," Jon Golovin, Consilium, April 28, 4:30 p.m., 155 Olin Hall.

Peace Studies

"Subverting the Dominant Paradigm," Miriam Cooke, Duke University, April 28, 12:15 p.m., G-08 Uris Hall.

Physiology & Anatomy

TBA, Tawfic Hakin, May 3, 4 p.m., Lecture Hall II, Veterinary Teaching Center.

Plant Biology

"The Structure and Function of Cyanide Resistant Respiratory Pathway in Higher Plants," James Siedow, Duke University, April 29, 11:15 a.m., 404 Plant Science Building.

"What Is All This Carbohydrate on the Plant Plasma Membrane, and What Is it Doing There?" Eugene Nothnagel, University of California at Riverside, May 2, 11:15 a.m., 404 Plant Science.

Plant Breeding

"Transfer of Disease Resistance to Brassica oleracea by Protoplast Fusion," Lisa Hansen, plant breeding, May 3, 12:20 p.m., 135 Emerson Hall.

Psychology

"On the Nature of Behavioral Coherence in Personality," Walter Mischel, Columbia University, April 29, 3:30 p.m., 202 Uris Hall.

"Memory Is But One Form of Brain Adaptation to Behavioral Demand," William Greenough, University of Illinois, May 5, 3:30 p.m., 115 Rockefeller.

Soil, Crop & Atmospheric Sciences

"Cation Exchange Hysteresis," Kirsten Verburg, soil, crop & atmospheric sciences, May 3, 3:30 p.m., 135 Emerson Hall.

South Asia Program

"Crime, Feud, Banditry and Resistance in the Nineteenth Century in Mawat, India," Shail Mayaram, University of Chicago, April 29, 12:15 p.m., G-08 Uris Hall.

sports

Diamondman John Telford plans ahead for success

By Dave Wohlhueter

Big Red baseball center fielder John Telford has learned a lot since matriculating at Cornell four years ago. It just hasn't happened, though, for the mechanical engineering major from DeWitt, Mich.

Telford has worked hard, both on the field and in the classroom, and at times has felt like a juggler in managing his time. He said, "It all comes down to time management and you need a plan to achieve your goals."

"My sophomore year, I had a better GPA in the spring during the season than in the fall. You learn to manage your time during baseball." One of the secrets is to plan ahead, according to Telford. "The night before, I write on a piece of paper what I'm going to do the next day. If you don't have a plan, you aren't going to accomplish as much."

Telford is having a banner year in his final season with the Big Red. A .271 hitter as a sophomore and junior, he is currently batting .333 to tie junior right fielder Chris Hanson for the team leadership after 17 games. Telford also tops the diamondmen in runs batted in (15), doubles (3), homers (3), slugging percentage (.533) and is tied with Hanson for most stolen bases (3).



Tim McKinney

John Telford

Compiling these lofty statistics didn't just happen overnight. Telford came to Cornell with outstanding athletic credentials, including being an All-Michigan linebacker. On the

diamond, he was all-league, area, district and region. "When you come to college, it's a huge transition for a youngster just out of high school," said the DeWitt High School graduate. "It took me a long time to realize what I could and couldn't do. After you find this out, you work on the skills you can do."

Telford has stolen 18 bases in 24 attempts during his career at Cornell, so certainly he can run the bases. He is also a hitter. "At first I tried to do too much at the plate," Telford explained. "You don't have to swing hard—you must stay within yourself." This didn't come easy for a youngster who had hit 10 home runs in 22 games during the summer of his high school sophomore year.

Certainly the individual highlight of Telford's Cornell career came last year in a contest vs. Colgate. He went 5 for 5 to tie the school record for most hits in a game. Ironically, teammate Eric Kirby duplicated the feat in the same game.

For the future, Telford would like to try professional baseball, but if it's not in the cards, he can pursue the engineering field. He said, "I've learned a lot about teamwork on the athletic field that will carry into the world. Most engineering work is done in teams." It's in the plan.

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

Men's Baseball (7-20)

April 29, PRINCETON (2), noon
May 1, at Princeton (2), noon
May 4, at Bucknell (2), 1 p.m.

Men's J.V. Ltwt. Crew (5-2)

April 30, at Dartmouth

Men's Freshman Ltwt. Crew (6-1)

April 30, at Dartmouth

Women's Varsity Crew (3-4)

April 30, at Dartmouth

Women's J.V. Crew (5-2)

April 30, at Dartmouth

Women's Novice Crew (1-6)

April 30, at Dartmouth

Men's Lacrosse (1-8)

April 30, BROWN, 2 p.m.
May 2, at Harvard, 3 p.m.

Women's Lacrosse (2-9)

April 30, DREXEL, 11 a.m.
May 1, RUTGERS, noon

Women's Softball (7-26)

April 30, LE MOYNE, (2), 1 p.m.

May 1, ST. BONAVENTURE, (2), 1 p.m.
May 5, PRINCETON, (2), 2 p.m.

Men's Tennis (5-10)

April 29, at Harvard, 2 p.m.
April 30, at Dartmouth, noon

Women's Tennis (12-4)

April 29, HARVARD, 2 p.m.
April 30, DARTMOUTH, 11 a.m.

Men's Outdoor Track (3-2)

April 28-30, at Penn Relays

Women's Outdoor Track (5-1)

April 28-30, at Penn Relays

"The Amenities of Domestic Life: Questions of Labor and Cultural History," Kum Kum Sangari, University of Chicago, April 29, 5:30 p.m., 374 Rockefeller Hall.

Southeast Asia Program

"Protected Area Initiatives and Eco Tourism in Mainland Southeast Asia: Friend or Foe to the Cultural Survival of Ethnic Minorities?" John Dennis, SEAP alumnus and director, Sustainable Development Associates, April 28, 12:20 p.m., Kahin Center, 640 Stewart Ave.

"The Persuasiveness of Reality: The Apologetic Ancestor, the Electronic Enemy, the Perplexed Peasant and the Balinese Healer," Mark Hobart, London University, May 5, 12:20 p.m., Kahin Center, 640 Stewart Ave.

Textiles & Apparel

"Development of High Temperature Si C Fiber for Ceramic Matrix Composites," V. Venkateswaran, April 28, 12:20 p.m., 317 MVR.

Theoretical & Applied Mechanics

"Sensitivity and Optimization in Nonlinear Solid Mechanics," Liang-Jeng Leu, theoretical & applied mechanics, May 4, 4:30 p.m., 205 Thurston Hall.

"The Theater of Healing: Malay Shamanism," Carol Laderman, City College, CUNY, 10 a.m.

"Initiation for a Korean Shaman," film and discussion with Laurel Kendall, curator of American Museum of Natural History, 11:15 a.m.

"Public Secrets From Peru," a dramatic reading by Billie Jean Sibell, anthropology, 1:15 p.m.

"Felled Trees, Fallen Dreams: The Ethnography of Violence and Music's Survival," a Performance by Marina Roseman, University of Pennsylvania, 2:15 p.m.

"Condor Qatay: Anthropology in Performance," film and discussion with Catherine Allen and Nathan Garner, George Washington University.

CISER

"Equity and the Global Environment," April 29, 401 Warren Hall.

• Part I: 9:15 a.m. "Stabilizing World Population: Prospects & Policies," Paul Demyen, Population Council.

• Part II: 10:45 a.m. to noon. "An Indian Perspective: Protecting Biodiversity," P.S. Ramakrishnan, Jawaharlal Nehru University, New Delhi; "An European Perspective: Curbing Consumption," Erik Schokkaert, Catholic University, Leuven, Belgium.

Hispanic American Studies

A conference entitled "Performance for and by Anthropology" will be held April 28 through 30. A film discussion by Cristina Bubba on "In the Path of the Ancestors" will take place April 28 at 5 p.m. at Cornell Cinema, Willard Straight Hall.

On April 29, Professors Barbara and Dennis Tedlock will present performance/lectures in a dialogue of "Dreams of the Earth," 4:30 p.m., 165 McGraw Hall. A reception will follow at 6 p.m., location TBA.

On April 30, readings, films and performances will be held at the Johnson Museum from 9 a.m. to 5 p.m. At 7 p.m., Cornell Cinema will show the documentary premiere of "Revelations/Revelaciones," which documents the two-week installation period, including interviews with the artists as well as scenes from the student rally and Day Hall sit-in that began, in part, as a protest against the vandalism of Daniel J. Martinez's project on the Arts Quad. Film producer Edin Velez will be in attendance and will take part in a discussion along with co-curators Chon Noriega and Jose Piedra. \$4 students/\$4.50 non-students.

symposiums

Anthropology

"Performance For/And/By Anthropology," April 28 to 30:

• "In the Path of the Ancestors," film and discussion with Cristina Bubba, Bolivian anthropologist, April 28, 2:30 to 4:30 p.m., 6th Floor, Johnson Museum.

• "Dialogue on Dreams of the Earth," performance/lecture by Barbara and Dennis Tedlock, SUNY Buffalo, April 29, 4:30 p.m., 165 McGraw.

• April 30 events are held in the museum: "World Beat and the Revitalization of African Cultural Identity in the Spanish Caribbean," musical presentation by Deborah Hernandez, University of Florida, 9 a.m.

theater

Theater Arts

Red Noses, by Peter Barnes, tells the story of Father Flote and his merry band of red-nosed comics who do battle with their weapons of bad jokes and laughter against a rampaging plague and the despair of 14th-century France. Theatre Arts will perform the play April 28, 29, 30, May 5, 6 and 7 at 8 p.m.; May 1 at 2 p.m., in the Proscenium Theatre at the Center for Theatre Arts. Tickets are \$6 and \$8.

miscellany

Alcoholics Anonymous

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

Book Signings

• On Wednesday, May 4, from 3:30 to 5 p.m., English Professor Molly Hite will be at the Cornell Campus Store to sign copies of her book, "Breach of Immunity." Recently published in paperback, "Breach of Immunity" regularly sells for \$8.95, but it will be available at 20 percent off the day of the signing.

• On Thursday, May 5, from 1 to 2 p.m. in the Cornell Campus Store, members of the Moosewood Collective will be on hand to sign copies and provide food samples from their latest cookbook, "Moosewood Restaurant Cooks at Home." Author and chef Jay Solomon will sign copies of his latest cookbook, "Global Grilling," as well as copies of last year's successful "A Taste of the Tropics." He also will be providing tasty samples of his recipes. All books included in the signing will be sold at 20 percent off day of the signing.

CALENDAR

April 28 through May 5

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

Theater Arts

The spring Dance Theatre Concert, featuring faculty and student dances, will take place May 5, 6 and 7 at 7:30 p.m. in the Class of '56 Dance Theatre at the Center for Theatre Arts. \$3.

Cornell International Folkdancers

Beginners are welcome, and no partner is needed. For information, call 387-6547.

May 1, North Room, Willard Straight Hall: 6:30 p.m., teaching of advanced dances by Becky Gordon; 7:30 p.m., beginner dance instruction; 8:30 p.m., request dancing.

CU Jitterbug Club

Fee charged. Open to all ages. No partner needed. For information and registration, call Bill at 273-0126.

• Beginning jitterbug: Wednesdays, 8:30 p.m., Edwards Room, Anabel Taylor Hall.

Israeli Folkdancing

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. and Wednesdays to 8 p.m. Admission is free. Telephone: 255-6464.

• "Contemporary Japanese Prints" will be on view through June 26.

• "Rural Japan: Radiance of the Ordinary" will be on view through June 26.

• "An American Portrait," a collection of photographs owned by two alumni, Diann and Thomas Mann, Classes of '66 and '64, respectively, will be on view through June 12.

• "Emblems of Authority: Ancient Greek and Roman Coins" is on display through June 12. The coins are from the collections of two Cornell alumni, David Simpson '60 and Jerry Theodorou '79.

• **Box Lunch Tours:** Every Thursday from noon to 1 p.m., a member of the museum staff will lead a discussion on a particular aspect of art history as exemplified in the museum's collection. Leslie Burgevin will speak on "The Heart, the Mind and the Imagination of the Poet" April 28.

• **Art After Five:** Museum docent Tobe Rothaus will lead a tour of the exhibition "Rural Japan: Radiance of the Ordinary" Wednesday, May 4, at 6:45 p.m.

Kroch Library

Through June 17 the Guild of Book Workers traveling exhibition, "Fine Printers Finely Bound Too," will be at the Kroch Library to end its two-year tour of the country. The exhibition focuses on the two interdependent arts of fine letterpress printing and fine binding (edition or one-of-a-kind). Both arts are given equal emphasis, with examples of the presswork being included in both the exhibition and the catalog.

Martha Van Rensselaer Hall

"Printed Dress Fabrics, 1800-1860," a display presenting early 19th century printing technology, is on view in the Cornell Costume Collection showcase outside G19A MVR Hall. This exhibit of master's research by Department of Textiles and Apparel graduate student Susan Greene will continue through April 30.

Plantations

"Spring Wildflowers Native to the Cayuga Lake Basin," Mundy Wildflower Garden, through May 27. The entrance to the garden is located at the intersection of Caldwell Road and Forest Home Drive. Limited parking is available. Cornell Planta-

tions, the university botanical garden and arboretum, is open free of charge seven days a week from sunrise to sunset. For more information call 255-3020.

films

Films listed are sponsored by Cornell Cinema unless otherwise noted and are open to the public. All films are \$4.50 (\$4 for students), except for Tuesday night Cinema Off-Center (\$2) and Sunday matinees (\$3.50). Films are held in Willard Straight Theatre except where noted.

Thursday, 4/28

Interior Spaces, Austrian avant-garde films, 4:30 p.m., free.

"A Perfect World" (1993), directed by Clint

Eastwood, with Kevin Costner, Clint Eastwood and Laura Dern, 7:10 p.m.

"The Piano" (1993), directed by Jane Campion, with Holly Hunter, Anna Paquin and Harvey Keitel, 10 p.m.

Friday, 4/29

"Fast Trip Long Drop" (1993), with guest filmmaker Gregg Bordowitz, 7 p.m.

"A Perfect World," 7:30 p.m., Uris.

"The Piano," 9:25 p.m.

"The Abyss: Special Edition" (1993), directed by James Cameron, with Ed Harris, Mary Elizabeth Mastrantonio and Michael Biehn, 10:45 p.m. Uris.

"Bullet in the Head" (1990), director's cut, directed by John Woo, with Tony Leung, Jacky Cheng and Waise Lee, midnight.

Saturday, 4/30

"Revelaciones/Revelations: Hispanic Art of Evanescence" (1993), with visiting artist Edin Velez, 7 p.m.

"The Getaway" (1994), directed by Roger

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David Lynch-Benjamin/University Photography

Ursula McClelland, left, and Erica Shoemaker in *Red Noses* by Peter Barnes, playing April 28 to May 7 in the Proscenium Theatre at Cornell's Center for Theatre Arts.

Center for Theatre Arts closes season with 'Red Noses'

By Darryl Geddes

The Cornell Center for Theatre Arts will end its 1993-94 season with *Red Noses* by the British playwright Peter Barnes. The play, which opens April 28 at 8 p.m., takes a poignant, emotional and somewhat humorous look at 14th-century France in the grip of the Bubonic Plague.

Despite its dark theme, the play is actually a bawdy, rollicking evening of theater, complete with jugglers, song and splash of vaudeville, said director Ron Wilson. "Amongst the black comedy and the Monty Pythonesque absurdity, there's a message about the human spirit and how it survives in times of horror."

Red Noses follows a monk, Father Flote and his band of merrymakers as they travel through France bringing solace to the suffering. The goodwill and high spirits dispensed by Flote and his followers does much to ease the pain of those in the throes of death, but, alas, the revelry saves no one.

"There was no answer to the plague; medicines could provide no cure," Wilson said. "There was no way to attack the disease, just hope and various remedies. All this madness comes to life on stage."

Playwright Barnes also uses the play as a

condemnation of the Catholic Church. He sees the Catholic Church's involvement in the politics of the day as its overriding concern — not the sick and suffering.

While *Red Noses* was written almost 20 years ago, it could just as easily have been penned today. The parallels the play draws to today's plague — AIDS — are startling, Wilson noted.

"While AIDS is not as savage and expansive as the Black Plague, it is starting to ravage the world," Wilson said. "But with AIDS, as with the Black Plague, there are emotional stories of the human spirit's will to survive. It would be interesting to see what Peter Barnes would write today."

Red Noses is one of the largest productions mounted on the CTA stage in many years, with a cast of 30 and more than a dozen crew members. "It's a spectacle, it's like doing *Ben Hur*," Wilson said. In spite of its size, however, the cast has managed to foster a sense of family.

"In all my years of directing big shows, this cast is the most harmonious group I've ever been involved with," Wilson noted. "The cast's spirit and commitment have been truly phenomenal."

One of the most satisfying elements for Wilson in directing such a large company, is

the opportunity it affords him to work with many students. Twenty-five members of the cast are students and a handful of undergraduates are on the technical crew.

"This is one of the reasons I love working at Cornell," said Wilson, who is also an assistant professor of theater arts. "The ability to direct students and professionals in one production is uncommon in theater. *Red Noses*, especially, provides the opportunity for students to be involved in so many different levels of the play."

The cast is headed by Brent Harris, a Resident Professional Theatre Associate, who plays Father Flote. Harris was last seen on the CTA stage in *Mad Forest* and *Dr. Jekyll and Mr. Hyde*.

The stunningly grotesque set is designed by Kent Goetz. The shell of a church consumes the stage reaching far beyond the proscenium inviting playgoers to the altar, while gargoyles provide the facade with a gruesome eeriness. Goetz has given the church human qualities, adorning its walls with leprous boils oozing blood and pus.

Red Noses continues at the CTA April 29, 30 and May 5-7 at 8 p.m. The only matinee performance is May 1 at 2 p.m. For ticket information contact the Ticket Center at 254-ARTS.