

CORNELL Chronicle

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Government and science

4

A panel of distinguished scientists gathered here last week and agreed that the post-World War II marriage of government and science has soured.

Cornell Plantations

Inside, an insert prepared and published by Cornell Plantations.

New uniforms?



Peter Morenus/University Photography

Cornell ice hockey players (from left) Brad Chartrand of Winnipeg, Russ Hammond of Ottawa and Jason Vogel of Glens Falls don their tutus before participating in an Oct. 10 performance of *Swan Lake* at Lynah Rink. The charity event, which featured the entire hockey team, narration by Dick Button and skating by JoJo Starbuck and the Ice Theater of New York, raised money for Hospicare of Tompkins County.

Rhodes seeks faculty help in 'painful choices'

By Sam Segal

President Frank H.T. Rhodes has urged the faculty to think and act as "citizens of the wider university," to help Cornell emerge stronger from a protracted period of "painful choices."

In his State of the University address yesterday to a joint meeting of the faculty and Faculty Council of Representatives, Rhodes cited three conflicting but simultaneous pressures on universities: public skepticism about their integrity, demands that they do more to solve social and economic problems, and a dearth of revenues to meet expectations.

He predicted at least five more tough years, no matter who wins the presidential election, what happens to the recession, or how well the current capital campaign proceeds; and he said faculty must actively espouse the cause of change:

"We should avoid a mea-culpa attitude, but we must respond to criticism that is reasonable."

Revenue shortfall

The immediate financial problem is a potential \$5.5 million revenue shortfall in the year that began July 1. This is caused partly by a recession-induced surge in financial aid beyond what was budgeted, a net reduction in Ithaca enrollment of 72 students, and a possible loss of \$3 million in funds for reimbursement of the indirect costs of research — reduced because the government unilaterally reduced Cornell's rate of recovery.

Emphasizing the necessity of maintaining a balanced budget in the current year, Rhodes said Provost Malden C. Nesheim and Senior Vice President James E. Morley Jr. will work with the colleges and administrative units to implement the necessary expenditure controls to avoid a deficit.

Noting that the revenue gap will be even greater in subsequent years, Rhodes suggested the need for "some very fundamental changes in the way we do business." He called specifically for examination of student recruitment, admission, financial aid and support services; how the university supports research; and "how we deliver education" to ensure students the best value for their tuition.

He recalled a time when it was more common for faculty members to act as "responsible citizens of the wider university, able to see local decisions in more global institutional terms.

"In an era of strong departmental loyalty and attachment to the professional guild, that is a legacy we need to reclaim."

In his annual address, in 110 Ives Hall, Rhodes touched on two major new initiatives in support of teaching.

Teaching and tenure

He said the administration would require in tenure cases that the evaluation of teaching, advising and mentoring be taken as seriously as the evaluation of research. In fact, he added, Nesheim "will not sign off on tenure files unless dedication and achievement in all those spheres has been demonstrated."

Rhodes also said he hoped soon to announce a program to provide "substantial prestige and monetary rewards" for excellent teachers, advisers and mentors.

Both initiatives respond to a January report, "Evaluation and Recognition of Teaching," from a faculty committee led by Dean of the Faculty Walter Lynn.

Citing the merger of the endowed and statutory accounting offices, Rhodes said: "We need to think about how we can do that with other services and programs — realizing that that may entail a reduction in the size of both the faculty and the staff."

He said the statutory colleges offered an encouraging example. Though state budget problems led to the elimination of some 100 faculty positions over five years, "they are still providing excellent undergraduate and graduate programs and services" to the same number of students.

Efforts should also proceed, Rhodes said, on integrating duplicative teaching. The process is under way in economics, and a review of math teaching will soon begin, he said.

He also suggested that phasing out research programs "that have served their purpose," cutting some of Cornell's 4,200 courses, and perhaps eliminating some very small classes and breaking up very large ones might help to "reduce the scale of the university while increasing quality."

"If we are willing to act decisively now," Rhodes concluded, "if we are willing to build on our strengths, sharpen our focus and pare away those things that, while useful, are not essential to our mission and goals; if we are willing to change deliberately and in fundamental structural ways — we can emerge from the current period of stress both educationally and economically stronger."

'We're still here,' Indian leaders say

By Roger Segelken

Cultural survival of indigenous peoples and human survival in a threatened environment for "Grandmother Earth's" inhabitants were on the minds of speakers at last week's conference, "The State of Indian America: Prospects for the Future."

American-Indian leaders from South, Central and North



Peter Morenus/University Photography

"Racism is alive and well," Caleen Sisk-Franco, a Wintu Indian from Northern California, told an Oct. 8 press conference, while holding her daughter, Wymem.

America capsulized their concerns at an Oct. 8 press briefing before the conference, attended by more than 400.

Ron LaFrance, director of Cornell's American Indian Program, set the tone for the press conference by reading from an 1892 census report. An army major writing the census report predicted that the end of the 19th century would see the absorption of Indian territories and the assimilation of American-Indians. "Sorry, major, we're still here," LaFrance said.

Conference organizer Jose Barreiro, editor in chief of *Akwe:kon Press* at Cornell, said one outcome of recent preparations for the Columbus Quincentennial was to "encourage Native voices to emerge." Those voices from throughout the hemisphere are nearly unanimous, Barreiro said, "in their concern for loss of habitat and of access of Native people to places needed for worship."

500 years of healing

Billy Frank Jr., a Nisqually tribal leader from Washington State and chair of the 20-tribe Northwest Indian Fish and Wildlife Commission, cited a "downhill spiral" of environmental quality. He called for "500 years of healing . . . to start immediately to put our country back in shape and learn to live together — the tribes, the local governments, the cities. We cannot depend on the courts or the United States Congress to heal our problems." Rather, Frank said, it will take "lifetime commitments, from the Indian community, from the states and from the people who destroyed our country."

Sam Mercado, a Miskito Indian from Nicaragua and founder of the indigenous development organization, *Pana Pana*, said that 500 years of struggles to preserve territories in the rain forest and elsewhere have become even more difficult in the last three years. "We need the support of the international community and of all indigenous peoples to work toward environmental protection, which is so needed at this time."

Continued on page 4

Out with the old . . .



Peter Morenus/University Photography

Bill Garrison, a systems analyst with the Cornell Library, stacks drawers from the Mann Library card catalog behind him onto a cart for removal to storage. Several million cards were removed from the center of Mann Library Monday to make room for computers to be used for searching library holdings campuswide.

Witnesses to mailbox explosion sought; 2 charged for loitering, items recovered

Cornell University Public Safety officers and federal officials are investigating the destruction of a mailbox and its contents on West Avenue on campus early on the morning of Oct. 9.

Investigator Scott C. Hamilton said that a Cornell student witnessed a man placing something in the mailbox near the flagpole on West Avenue after midnight Oct. 9 and that the mailbox exploded shortly after that.

Cornell Life Safety responded and extinguished the resulting fire.

Officials have recovered the contents of the mailbox, most of which were damaged or destroyed.

The Federal Bureau of Investigation's office in Ithaca and the U.S. Postal Inspector's office in Rochester were notified of the incident and are assisting in the investigation. Destruction of postal property is a federal felony offense.

Investigators have released this description of the suspect and ask anyone with information on the incident to contact Public Safety at 255-8950:

The suspect is a white male, age 18 to 22, approximately 6 feet 1 inch tall, weighing about 170 pounds with a strong build. He has short dark hair and was seen wearing long pants.

After placing the item in the mailbox, he got into the driver's seat of a dark-colored, possibly maroon, Jeep Wrangler with a soft top and drove south on West Avenue. There

were three other occupants of the vehicle.

At this time, Public Safety investigators have not discovered a motive, Hamilton said.

"We consider this a very serious matter and ask the public's help in locating the perpetrators," he added.

Loitering charges

Cornell University Public Safety officers arrested two non-students who were found loitering around the tennis bubble on campus shortly after midnight Oct. 10, and they recovered numerous items allegedly stolen from parked cars. Charged were:

- David F. Miller, 17, of 126 Turkey Hill Road, Ithaca, with one count each of trespass, criminal mischief in the fourth degree and resisting arrest.

- Jacob L. Todd, 17, of 412 S. Geneva St., Ithaca, with trespass, two counts of criminal mischief in the fourth degree, and one count each of possession of burglary tools, unlawful possession of a noxious material and resisting arrest.

Subsequent investigation by Public Safety officers revealed a number of allegedly stolen items in one of the arrested youth's homes.

The two were arraigned before Dryden Town Judge Bruce Lloyd.

The arresting Public Safety officers were David Guerrero, Scott Lovely and John Mills.

The investigation is continuing with the assistance of the state police.

BRIEFS

- **Chimes competition:** McGraw Tower will be open to visitors Saturday, Nov. 7, from noon until 1:30 p.m. as a part of Cornell's Parents' Weekend activities. Members of the Cornell community who are interested in the annual spring chimesmaster competition are encouraged to attend. Call 255-5350 for more information about the open house and for the chimes concert schedule.

- **Emeritus professors:** The Association of Cornell University Emeritus Professors will hold its fall meeting Oct. 19 at 2 p.m. in the Morrison Hall auditorium. President Frank H.T. Rhodes will deliver a lecture on Charles Darwin's theory of the Earth.

- **Figure skating:** The Cornell Figure Skating Club will hold an open house Oct. 18 from 5 to 7:15 p.m. at Lynah Rink. Children over 5 and adults can skate for free and learn about the club's winter program. Figure skates only. For more information, call Linda Kabelac at 274-6137 or Susan Lang at 539-7774.

- **Assembly:** An Employee Assembly meeting will be held Oct. 21 at 12:15 p.m. in the Day Hall board room. Beth Warren, associate vice president for human resources, will speak. The University Assembly will meet Oct. 28 at 4:30 p.m. in the Willard Straight Hall Art Gallery. Senior Vice President James E. Morley Jr. will discuss quality improvement processes.

- **Hockey tickets:** Season tickets to Big Red men's hockey games for faculty and staff will go on sale Oct. 27 beginning at 9 a.m. at the Alberding Field House ticket office, Room 103. A season ticket costs \$128 for 14 home games. Each person will be allowed to purchase a maximum of two season tickets, unless the lines are small. A general public sale will be held Oct. 28, also beginning at 9 a.m. Students also will be able to purchase student season tickets, priced at \$114, during this sale. Any remaining individual game tickets will be sold the day before the game, beginning at 9 a.m. at the ticket office.

New York Hospital, Medical College reach agreement on real estate matters

The New York Hospital and the Medical College in New York City recently reached agreement on all outstanding real estate matters and have initiated plans to meet the challenges of the 21st century, according to an announcement made by Maurice Greenberg, the chairman of the New York Hospital Board of Governors, and by Stephen Weiss, the chairman of Cornell University's Board of Trustees.

The accord includes:

- A 225-year lease agreement for the medical center campus between Cornell and the New York Hospital.

- Sale by New York Hospital of its 1301-1303 York Ave. property to the university for general academic purposes.

NOTABLES

David Pimentel, professor of insect ecology and agricultural sciences, is the recipient of the 1992 Distinguished Service to Rural Life award of the Rural Sociological Society. Pimentel, who also gave the principal address at the awards ceremony, was cited as "one of the foremost scholars responsible for stimulating attention to and working on solutions for the environmental problems of rural America." In particular, the society cited his efforts to call public and scholarly attention to problems associated with pesticide use. "His holistic approach and systemic view of these issues has enabled him to point out the contradictions in short-term profits versus long-term sustainability," the association said.

Benjamin Widom, the Goldwin Smith Professor of Chemistry, has been awarded the first Hirschfelder Prize in Theoretical Chemistry. Widom is recognized as having played a central role in the development of modern statistical mechanics. The Hirschfelder award is the largest award specifically directed to researchers in the field of theoretical chemistry and carries an annual award of \$10,000.

The American Council of Learned Societies in conjunction with the Social Science Research Council has awarded fellowships to graduate students **David S. Dornisch** and **Elizabeth A. Murphy**. The program is supported by funding from the U.S. Department of State under the Soviet-Eastern European Research and Training Act of 1983. Also, **Marilyn Migel**, associate professor of Italian, has won an award for research on Veronica Franco's cartel from the ACLS in a national competition for research in the humanities and related social sciences.

Toxic Politics: Responding to Chemical Disasters by Michael R. Reich, published by Cornell University Press, has been awarded the 1992 Policy Studies Organization Book Award. *Toxic Politics* examines the political reactions to chemical disasters. Reich is a professor at Harvard University.

- Establishment of a joint strategic planning committee that will include representatives of the leadership of both New York Hospital and the Medical College, charged with the task of extending standards of excellence to meet the rapidly changing needs of tomorrow's medical world.

The institutions will work together to enhance the international stature of the medical center, the statement said.

Patient care, research and medical education will continue to be the threefold mission of the institutions. Together, the two institutions will launch a joint capital campaign in the near future to meet the critical needs of both the Medical College and New York Hospital.

GRADUATE BULLETIN

Dissertation and Thesis Seminars will be held in the Morrison Seminar Room, Corson/Mudd Hall, at 1 p.m. Oct. 26 for master's theses and 1 p.m. Oct. 27 for doctoral dissertations.

Course Changes: After Oct. 16 a petition is needed to drop a course or to change grading options or course credit.

Spring enrollment: Course pre-enrollment will be held Oct. 21-Nov. 4 in Sage Hall.

Fellowships: Applications for NSF Graduate Fellowships, NSF Minority Graduate Fellowships, Ford Foundation Predoctoral Fellowships for Minorities, Howard Hughes Medical Institute Pre-Doctoral Fellowships in the Biological Sciences Fellowships and Hertz Graduate Fellowships are available in Graduate Fellowship Office.

Degree Requirement: To receive a graduate degree, students must have the final transcript on file with the Graduate School showing the conferral date of their undergraduate degree.

OBITUARY

Allan Bloom, author of *The Closing of the American Mind* and a member of the Government Department faculty for seven years in the 1960s, died Oct. 7 of peptic ulcer bleeding.

CORRECTIONS

The Oct. 8 *Chronicle* incorrectly reported that three men had pleaded guilty to misdemeanor charges for releasing a computer virus. One of the three, Randall Swanson, pleaded guilty to a violation. For details on the sentencing of the three, turn to Page 3.

A caption on Page 6 of the Oct. 8 *Chronicle* incorrectly identified one of the participants at the dedication of the Carl A. Kroch Library. Pictured with Carl A. Kroch and Ithaca Mayor Benjamin Nichols was President Emeritus Dale R. Corson.

CORNELL Chronicle

Henrik N. Dullea
Vice President for University Relations
Linda Grace-Kobas
Director, Cornell News Service

Mark Eyerly, Editor
Karen Walters, Editorial Assistant
Joanne Hanavan, Circulation

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

Judge calls computer virus a 'malicious' act

By William Holder

A former Cornell student who pleaded guilty to unleashing a computer virus offered an apology for his actions Oct. 5, but it was one a Tompkins County judge said demonstrated a "profound" lack of understanding.

David Blumenthal, 20, said during a court appearance for sentencing, "The entire episode was an experiment, a learning process for finding out more about computers. We, to my knowledge, have never called it a prank."

Blumenthal, along with former students Mark Pilgrim and Randall Swanson, who previously pleaded guilty to reduced charges in connection with the computer virus, each were sentenced to pay \$2,087 in restitution to Cornell and \$366 to Medtronic Cardio-Care, a New York company where an employee claimed to have suffered damages to his computer. Blumenthal and Pilgrim were ordered to perform 520 hours of community service. Swanson was ordered to perform 450 hours but declined to accept the order, which he is permitted to do under the terms of a violation.

The only defendant to speak at the sentencing, Blumenthal said, "When we designed the code, we intended for it to not cause any damage at all, and we were very sorry that it did cause any damage."

That apology was not enough for County Judge Betty Friedlander, who said the defendants were using the technology for amusement.

"I don't think that this was conducted in any true sense as an experiment," she said. "It seems to me it was done for some sort of distorted sense of what is fun and what is creative and what is play."

She termed the release of the virus a "serious" and "malicious" act that "distorted the function of this technology." She also excoriated the defendants for demonstrating a "profound lack of understanding of the opportunity you have been given to study at a great facility, a great institution, and to have use of its facilities and resources."

Speaking to Pilgrim, she added, "So you have great gifts. I don't deny that all of you kids did, but that didn't give you license to use them willy-nilly or in any way that you thought gave you some amusement. It was plain mischievous and malicious to use the equipment that way."

"The sentences," said M. Stuart Lynn, vice president for information technologies, "bring this matter to a close; it's good for the community to put it behind us. This was no experiment; it was a tale of misused talent, deception and self-gratification at the expense of other people's time."

White, Conway join academy of engineering

By Larry Bernard

Two faculty members have been inducted into the National Academy of Engineering. Richard N. White, the James A. Friend Family Distinguished Professor of Civil Engineering in the School of Civil and Environmental Engineering, and Richard W. Conway, the Emerson Electric Company Professor of Manufacturing Management in the Johnson Graduate School of Management, were inducted in ceremonies Sept. 29.

Election to the academy is among the nation's highest distinctions in engineering and requires that members have made "important contributions to engineering theory and practice" or have demonstrated "unusual accomplishment in new and developing fields of technology." This year, 79 new engineers from the United States and seven foreign associates were inducted.

White was elected for "advancing understanding of the behavior of structures, for innovations in engineering education and for leadership in concrete technology." Conway, for "contributions and leadership in the area of scheduling theory, simulation methodology and simulation software for manufacturing."

Conway, 60, has been on the Cornell faculty since 1956. He has undergraduate and doctoral degrees in engineering from Cornell. White, 58, has been on the faculty since 1961 and is a former associate dean for undergraduate programs in the College of Engineering. He has undergraduate, graduate and doctoral degrees from the University of Wisconsin.

The National Academy of Engineering shares the responsibility with the National Academy of Sciences of advising the federal government on questions of science and technology.



Conway



White

Rhodes honored



Chris Hildreth/University Photography

President Frank H.T. Rhodes was presented with an honorary doctor of humane letters degree, his 23rd honorary degree, for his "outstanding contributions to the cause of higher education in our country during his distinguished career" by the State University of New York Board of Trustees Oct. 12. Participating in the campus ceremony were (from left): Frederic V. Salerno, chairman of the SUNY Board of Trustees; Rhodes; D. Bruce Johnstone, SUNY chancellor; and Joseph C. Burke, provost and vice chancellor for academic affairs.

Presidency expert, Nigerian general will lecture here on political issues

Richard Neustadt

By Albert E. Kaff

Richard E. Neustadt, Harvard University expert on the presidency, will deliver a lecture here on hazards that will face either George Bush or Bill Clinton in the White House.

Neustadt, the 1992 Newman Visiting Professor in American Civilization in the College of Arts and Sciences, will speak Oct. 23 at 5 p.m. in Room 165 McGraw Hall on the subject, "From Election to Transition: Hazards for Bush or Clinton."



Neustadt

Author of several books, including the widely quoted *Presidential Power: The Politics of Leadership from FDR to Carter* (New York: John Wiley, 1980), Neustadt, 73, is the Douglas Dillon Professor Emeritus of Government in Harvard's John F. Kennedy School of Government.

Neustadt, who served on the platform committee at three Democratic national conventions, is teaching a Cornell class of 13 seniors and graduate students on how political leaders deal with crises.

He offers the following insights

- Unlike today's large White House staff, Abraham Lincoln worked with only two secretaries and "any citizen who wanted to see him could get 15 minutes by waiting in line."
- "Now [in the White House are] groups of subordinates who try to make sure the president does what they want."
- "I would abolish three-fourths of the White House staff. You've built in the White House a second set of cabinet officers. One is enough."
- "The U.S. president cannot assure what he wants done other than to call out the troops. He doesn't command Congress. He doesn't command the bureaucracy. In that sense, the British prime minister is in a better position than the president."
- Compared with the United States, the British government includes fewer political appointees at the top. A British prime minister "is better equipped than an American president in taking initiatives. The U.S. president spends much of his time meeting deadlines that are set by events or by statutes."
- "The president could fill his day just by being the chief of state [in addition to head of government]."

He was a consultant to Presidents John F. Kennedy and Lyndon B. Johnson; chairman of the platform committee at the 1972 Democratic National Convention that nominated George S. McGovern; and a staff member of the platform committees at the Democratic National Conventions that nominated Adlai E. Stevenson in 1952 and 1956.

The Newman Professorship was established in 1985 with a \$1.25 million gift from the Jerome A. and Estelle R. Newman Assistance Fund. The Newman's son, Howard, a 1942 Cornell graduate, was the first president of the fund. He was chairman and chief executive officer of Western Pacific Industries Inc.

Gen. Obasanjo

By Albert E. Kaff

Gen. Olusegun Obasanjo of Nigeria, the first African military ruler to relinquish power voluntarily, will speak here Oct. 21 and meet with students and faculty as the university's 1992 Henry E. and Nancy Horton Bartels World Affairs Fellow.

Obasanjo served as president and commander in chief of the Nigerian armed forces from 1976 to 1979, when he turned over power to a democratically elected civilian government.

Since leaving office, Obasanjo, 55, has devoted himself to peace-keeping missions in Africa and agricultural development.

He will deliver the Bartels Lecture Oct. 21 at 7:30 p.m. in the conference room of the Biotechnology Building, speaking on the topic "Africa in a Changing World."

Onukaba Adinoyi-Ojo, a Nigerian journalist and author of an Obasanjo biography, wrote this description of the general: "Since leaving office in 1979, Obasanjo has devoted his life to promoting world peace, security and development . . ."

"Obasanjo has spoken out against unbridled accumulation of weapons of mass destruction; he has drawn global attention to the crippling effects of foreign debt on economic development and social services in debtor countries; the need for a more honest relationship between the more developed nations of the North and the poor nations of the South; and the threats posed by spiralling world population and environmental pollution to the future of mankind."

In 1985, Obasanjo and former Australian Prime Minister Malcolm Fraser were appointed co-chairs of the Commonwealth Eminent Persons Group on South Africa. The 49 nations of the British Commonwealth established the group to seek a peaceful solution of South African racial problems.

The African leader will spend three days on campus, leaving Oct. 24. He will speak to students in the Africana Studies and Research Center; the International Institute for Food, Agriculture and Development; and the International Nutrition Program; and visit a class on international relations.

The Cornell African Students' Association and the Nigerian Students' Association will give a dinner for Obasanjo, and he will visit the Herbert F. Johnson Museum of Art.

During his campus visit, Obasanjo will have a reunion with his daughter, Iyabo Obasanjo, who is a doctoral candidate in Cornell's College of Veterinary Medicine.

Alumni Henry and Nancy Bartels, members of the Class of 1948, established the Bartels World Affairs Fellowship in 1984 as an educational program to broaden student understanding of international problems. Until his retirement, Henry Bartels was vice president of Insilco Corp. of Connecticut. Nancy Bartels was president of the Chippendale Society, which leads study tours of stately houses and gardens in England.



Obasanjo

Government and science: The marriage turns sour

By William Holder

A panel of distinguished scientists gathered at Cornell Oct. 8 and agreed that the post-World War II marriage of government and science has soured.

Wolfgang K.H. Panofsky, an A.D. White Professor-at-Large, cited the relationship between the federal government and science as "threatened with erosion" for reasons ranging from disputes over indirect cost recovery and oversight of research to pork barrel political appropriations and overreaction to cases of alleged misconduct.



Peter Morenus/University Photography
Wolfgang K.H. Panofsky, an A.D. White Professor-at-Large, said the relationship between the federal government and science is "threatened with erosion."

A former director of the Stanford Linear Accelerator, Panofsky gained an insider's view of this relationship as a presidential science adviser during the Eisenhower and Kennedy administrations. Since then he has continued his involvement in government affairs, particularly in arms control.

The result of today's prickly and distrustful relationship is that government intrudes on science's turf, he said. Agencies flood scientists with new regulations instructing them how to do their work — regulations that ironically increase the same indirect costs that raise the ire of officials.

Accountability and creativity

"How do you balance accountability and creativity?" is one of the questions causing friction between scientists and government, he said.

Cornell President Emeritus Dale Corson, speaking in a panel discussion after Panofsky's talk, pointed to pork barrel appropriations as an example of how scientists and legislators fail to communicate.

"It's practiced by everybody," he said, at a level of nearly \$1 billion per year. Science's best friends in Congress believe scientists are out of line when they criticize special appropriations for scientific facilities without peer review, he added. "Congressmen view it as an economic matter, not a scientific one."

In the absence of sound communication, scientists find themselves called on by government to fulfill political goals, according to Panofsky, who cited President Reagan's Strategic Defense Initiative. Reagan directed scientists to find a better way to guarantee security than mutual assured destruction; nine years and \$20 billion later, there is still no better way, in his opinion. "Attainment of scientific



Peter Morenus/University Photography
Hans Bethe (left), the John Wendell Anderson Professor Emeritus of Physics, listens as President Emeritus Dale Corson pointed to pork barrel appropriations as an example of how scientists and legislators fail to communicate.

results," he added, "cannot be coerced by policy."

Panofsky lamented the loss of the powerful President's Scientific Advisory Committee that flourished during the Eisenhower and Kennedy administrations, but was abolished by President Nixon when one of its members testified in Congress against one of Nixon's favored projects, the Supersonic Transport (SST).

Science vs. politics

Hans Bethe, the John Wendell Anderson Professor Emeritus of Physics, echoed that concern. But he cautioned that high-level committees will do little good if government officials are not prepared to listen to them.

The attitude of government officials also came in for criticism from Thomas Eisner, the Jacob Gould Schurman Professor of Biology.

He described himself as pessimistic about the future of the relationship between government and science, foreseeing that officials would not be inclined to listen to any advice that runs counter to the politically popular growth economics.

Not all the criticism was reserved for government officials. "In the academic community, we select for non-involvement," said Eisner. "Science is political. From now on, biology will be immensely political."

Corson noted that universities have invited trouble by excessive "greed" in pursuit of indirect cost reimbursements. And according to Panofsky, much of today's malaise has come about because, "Public confidence in science and scientists has diminished. Nothing short of restoring the faith of the public," he added, "can help."

Agriculture and Life Sciences honors 6 outstanding alumni

By William Holder

The Alumni Association of the College of Agriculture and Life Sciences honored six alumni Oct. 9:

- **Paul F. "Rick" Zimmerman** of Delmar, N.Y., a 1978 graduate who received the Young Alumni Achievement Award. As director of governmental relations for the New York Farm Bureau, he has been a strong advocate for the state's agriculture industry.

- **W. Keith Kennedy** of Ithaca, who received an Outstanding Alumni Award. One of the best-known individuals in Cornell's history, Kennedy joined the faculty in 1949 as a professor of agronomy. In 1959, he was appointed director of research for the College of Agriculture and Life Sciences and in 1965 was named vice provost of the university. He served as dean of the college for six years, beginning in 1972, and as provost of the university from 1978 to 1984. He was honored in 1990 with the dedication of Kennedy Hall.

- **Raymond E. Johnson** of Schaghticoke, N.Y., a 1954 graduate who received an Outstanding Alumni Award. For more than 40 years he has operated Duelwood Farm, first as sole owner and more recently in partnership with his son Edward, a 1983 Cornell graduate.

- **Solomon Cook** of Hogsburg, N.Y., a 1942 graduate who was the first American-Indian to receive a doctoral degree here, received an Outstanding Alumni Award.

- **Douglas S. Brodie** of Lowville, N.Y., a 1955 graduate who received an Outstanding Alumni Award. He is a district administrator for Key Bank of New York NA, overseeing the operation of 36 bank branches.

- **Albert J. Beard Jr.** of Milford, N.Y., a 1952 graduate who received an Outstanding Alumni Award. A 33-year agent and manager with Farm Family Life and Mutual Insurance Co., Beard also has been a longtime member of the ALS Alumni Association, serving on the board of directors as president and vice president.

Princeton scholar, Pakistani diplomat will lecture on campus next week

Frank Wilczek, a faculty member at Princeton University's Institute for Advanced Study whose interests in theoretical physics range from superconductivity to the cosmological origins of the matter-antimatter asymmetry of the universe, will deliver the 1992 Bethe Lectures here.

Wilczek's two-week campus visit will include a Wednesday, Oct. 21, public lecture, "The Language of God: A View of Modern Physics," to be given at 8 p.m. in the Schwartz Auditorium of Rockefeller Hall.

Wilczek is a member of the National Academy of Sciences and a former McArthur Fellow.

He also will present five technical lectures, including "The Unification of Couplings," 4:30 p.m., Monday, Oct. 19, in Schwartz Auditorium, and "Disassembled Anyons: New Quantized Hall and Superconducting States," 1:15 p.m., Thursday, Oct. 22, in Room 701 Clark Hall.

Three Theoretical Particle Physics Seminars will be held in Room 311 Newman Labo-

ratory: "The Nature of the QCD Phase Transition," 12:30 p.m., Friday, Oct. 23; "Confrontation of QCD with Experiments," at 1:30 p.m. on Wednesday, Oct. 28; and "New Techniques in QCD Perturbation Theory" at 12:30 p.m. on Friday, Oct. 30.

The Bethe Lecture Series, created by the College of Arts and Sciences and the Physics Department in honor of Nobel Laureate Hans Bethe, have been given each year since 1977.

Syeda Abida Hussain, who as Pakistan's ambassador to the United States is one of the few women to represent a Moslem nation, will deliver a public lecture Oct. 19 at 7 p.m. in Room 120 Ives Hall.

She will speak on "Modern Issues in Pakistan." Hussain was invited to Cornell by the Pakistan Students Association. She will meet students and faculty at a reception and later a dinner, said Zulfiqar Faisal Cheema, association president. Other sponsors are Cornell's South Asia Program and the Mario Einaudi Center for International Studies.

All should support Indians' religious freedom, Deloria says

By Roger Segelken

Calling American-Indians "the miner's canary" for human rights in the United States, Vine Deloria Jr. last week said that passage of an amended American Indian Religious Freedom Act would guarantee those freedoms to all Americans.

The Lakota attorney and author was the keynote speaker Oct. 9 for the international conference, "The State of Indian America."

Deloria said legal guarantees from Congress were needed to give American-Indians access to sacred sites on government land, to allow use of animal parts and peyote in religious ceremonies, and to permit the practice of American-Indian religion in federal prisons.

No support for religious freedom should be expected from the U.S. Supreme Court. There is no question, Deloria said, "that the Supreme Court is going after the American-Indian."

On access to sacred sites, Deloria acknowledged that there is no complete "inventory" of such places. He called on his people to "communicate to the American public the substance of American-Indian religions" without

popularizing them into New Age fads.

At the same time that American-Indians create an interest in religious freedom, they must "be responsible in what traditions we share with non-Indians," Deloria said. "Help us, but keep your own traditions. We don't need thousands of Anglos who think they're Sioux pipe-carriers."

Indians' ceremonial use of peyote, the hallucinogenic drug harvested from certain cactus plants, "is in no way connected to the drug problem in the U.S.," Deloria said. For religious practitioners, peyote is a "natural substance," as contrasted with processed drugs, such as cocaine, the speaker said, and "it is used in ceremonies in a natural way."

Likewise, American Indians in need of religious objects should be allowed to harvest animal parts, such as bald eagle feathers and walrus tusks, Deloria said. Federal prisons are attempting to ban all religious practices of American-Indians except those defined as "central" to the religion, Deloria said. "That is like saying the only Christian ceremony allowed in prison is baptism, or the only Jewish ceremony allowed is circumcision."

Indian America *continued from page 1*

Victor Montejo, the Jacalteco Mayan and novelist from Guatemala, spoke of the 46,000 Mayan refugees now living in camps in Southern Mexico. "We are a creative people," said Montejo, who is a visiting fellow at the State University of New York at Binghamton. "But we are more involved in the struggle for survival than in re-creation of our cultures."

A Hopi elder from Flagstaff, Ariz., Marilyn Harris, said, "We can no longer rely on the legal system" to protect Indian lands. "We hope the U.S. will no longer try to assimilate us. We are now standing up for our rights."

Evaristo Nukuag, an Aguaruna Indian from Peru and director of a confederation of Native tribes in the seven-country Amazon region, was the most bitter of the speakers. The horrors of the past 500 years continue, he said, and the idea of celebrating Columbus' discovery of the Americas "brings a great deal of pain." Where some see celebration, Nukuag said, his people see "genocide and ethnocide, and we

look for a way to end this."

Reuben Snake, a Winnebago elder, blamed "rational, linear thinkers" for destruction of the environment, which "has been raped and pillaged endlessly by the rational thinkers. We are trying to teach you to live in harmony with divine creation. Very soon we won't be able to breathe the air or drink the water, and the sun will become our enemy and begin to kill us," he said, referring to thinning of the protective ozone layer.

"Racism is alive and well," said Caleen Sisk-Franco, a Wintu Indian from Northern California who held her infant daughter on one hip. She outlined a Catch-22 that keeps her tribe from winning recognition as they fight to preserve a sacred mountain from development into a ski resort. California recognizes only tribes with valid treaties or with historically verifiable homeland, Sisk-Franco said, and the land of the Wintu was lost during the California gold rush.



INSIDE: TRAIL MAP , CLASS LISTINGS

Cornell Plantations

ONE PLANTATIONS ROAD, ITHACA, NY

(607) 255-3020

GO ON...

It is impossible to enjoy idling unless there is plenty of work to do.
Jerome K. Jerome (1859-1927)

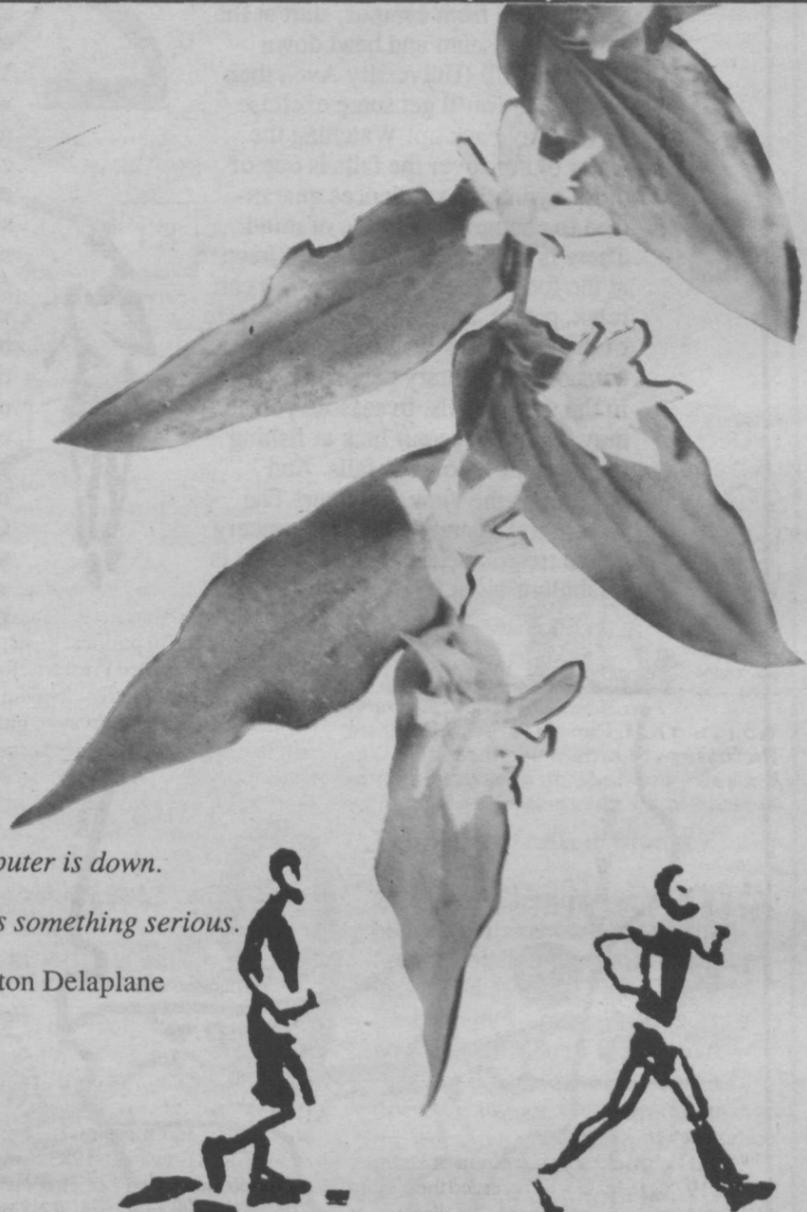
The Cornell campus is one of the most striking in the nation—it is also one of the busiest. We all can benefit by getting off the merry-go-around occasionally, taking time to regain our perspective by enjoying the physical beauty that surrounds us. Fortunately, whether you have twenty minutes or two hours, there are dozens of beautiful spots on and around the campus where you can find peace, quiet, and privacy. All of these areas are within walking distance, and many belong to the network of trails, forests, waterfalls, and gardens known as Cornell Plantations.

GET

The computer is down.

I hope it's something serious.

Stanton Delaplane



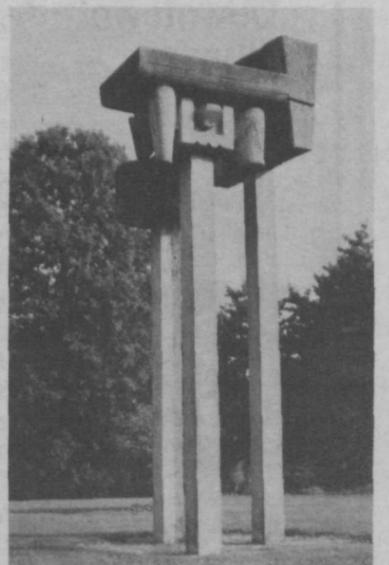
Sometimes during the work day free time presents itself unexpectedly. Under those circumstances it is best to have a plan of action and an escape route. Both are provided for you by the map on the next two pages. You may be surprised how many different physical environments exist not only on the margins of the campus, but within it. If you are looking for a way to entertain visitors and give them a feeling for the central New York landscape, you will find lots of useful suggestions. Whether their preference is walking, running, or driving, visitors always enjoy a trip through the F. R. Newman Arboretum, and even during autumn the botanical garden has plenty of color to delight gardeners and strollers.

The brain is a wonderful organ; it starts working the moment you get up in the morning and does not stop until you get to the office.
Robert Frost (1874-1963)

An outdoor walk or a picnic can be an effective stimulant, and many people find ways to fit a visit to Plantations into their daily schedules. It may be commuting to and from work along one of the gorge trails, having lunch at a Beebe Lake overlook, or jogging through the arboretum. It's a great way to energize a tired body and stimulate a mind temporarily numbed by physics equations, French poetry, or computer screens. We manage the natural landscapes of Cornell for your education and enjoyment—make Plantations a habit!

Jim Affolter
Director

OUT!



Not all our gardens are for plants! These monuments, among many others from students of Professor J. Squier, are in the arboretum's sculpture garden.

Hit the Trails

1

Ithaca Falls

Has it been raining for three days? Have cabin fever? Head for Ithaca Falls. All that rain turns the falls into one of Ithaca's great scenic wonders. To get there from campus, start at the Johnson Museum and head down Gunshop Hill (University Ave., then Lake St.). You'll get some exercise on the way back up! Watching the water plunge over the falls is one of those hypnotic experiences guaranteed to change your frame of mind. There is a small park on Lake Street, at the foot of the falls, where you can relax, picnic, and contemplate the size of the Fall Creek watershed and the eons of sedimentary deposits exposed in the gorge walls. In season, you may want to try your luck at fishing in the pools below the falls. And don't miss the view in winter! The water and ice and the delicate tracery of the tree branches against the sky is a fabulous sight.

2

Fall Creek Gorge

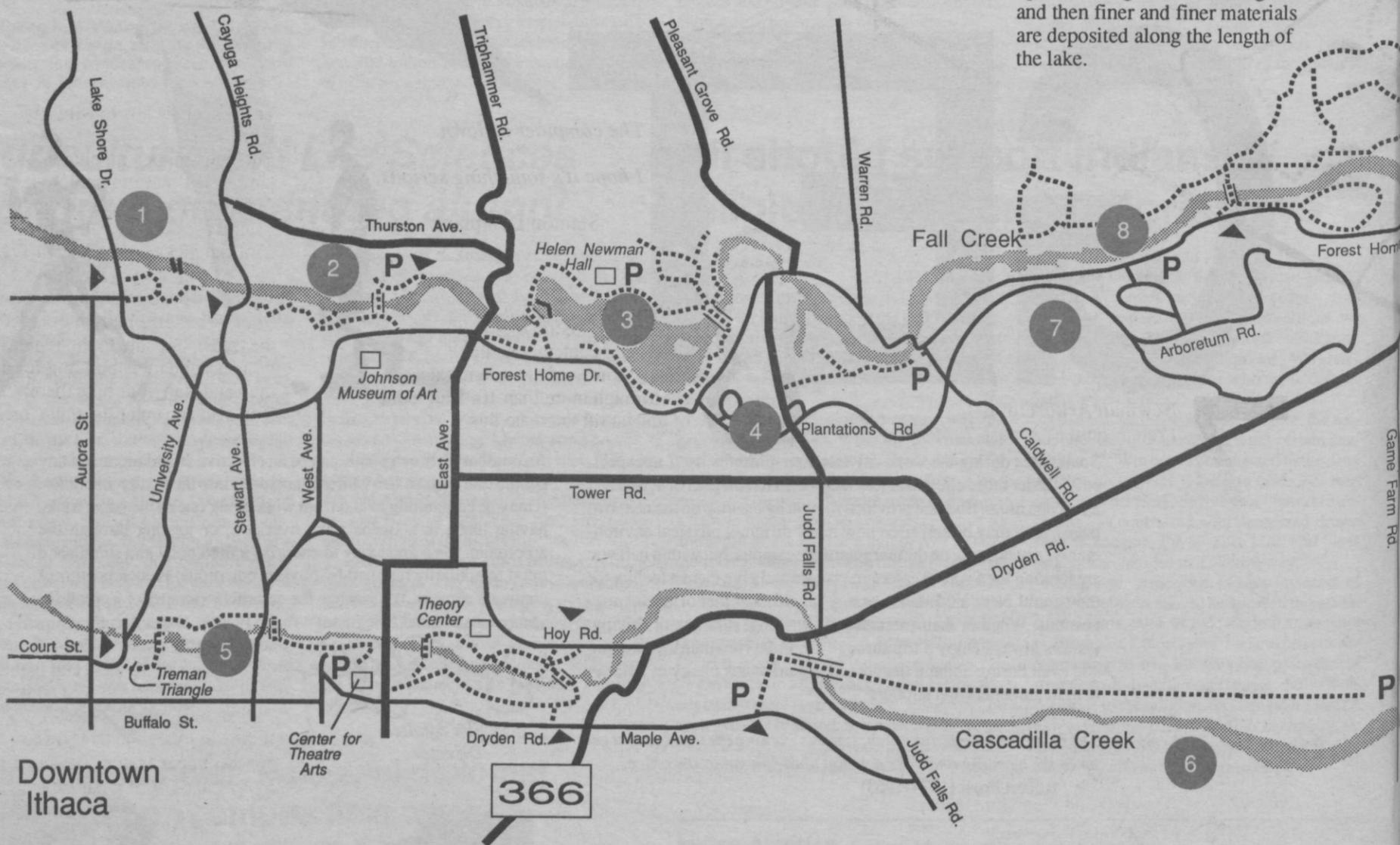
You'll find the microclimate of Fall Creek Gorge very different from that of the campus world above. Enter the gorge via the foot trails and staircase at the suspension bridge across the street from the Johnson Museum. You may encounter a cool, quiet world where water trickles over the rocks into small pools, or a noisy, chaotic cascade smashing on the rocks and misting the gorge. Watch your step! The rock paths and staircase are slippery when wet. There is a significant difference in habitat between the warm south-facing slope and the cool north slope of the gorge. In autumn those differences are reflected in the contrast between the burnished leaves of the oaks and hickories on the south side and the green needles of the hemlocks on the shady opposite slope. Cross the creek when the water is low and you'll discover the climatic and vegetative differences between those habitats. No swimming, though.



3

Beebe Lake

The walking trails beneath the shady forest canopy along the shore of Beebe Lake are a popular place to stretch the legs and clear the mind. The exercise trail atop the slope at Helen Newman Hall is a good place to begin a run around the lake. Or you can catch some sun on Beebe Beach and find quiet places to ponder life or study. Bird-watchers exploring the island may catch a glimpse of a great blue heron or hear the calls of migratory warblers on the woodland trail that heads east along Fall Creek from the north side of Sackett Bridge. The adventurous can rent kayaks from the Outdoor Club to test their luck on the water and check the current depth of the lake. Beebe Lake, once known as Beebe Swamp, was formerly a forested wetland. The man-made lake is continuously filling with glacial till that washes from the banks of Fall Creek. When the water slows down upon entering the lake, first gravel and then finer and finer materials are deposited along the length of the lake.



Downtown Ithaca

5

Cascadilla Gorge

Cascadilla Creek continues to carve its way through layers of sandstone, silt-stone, and shale that were deposited as sand and mud in a shallow seabed about 400 million years ago. The creek drops 400 verdant feet from the Cornell campus to the flats of downtown, which were formerly a cattail marsh. From the Theory Center you can hike through the gorge to Collegetown, and from the Center for Theatre Arts all the way downtown to Treman Triangle. On the surface of the path and in the creekbed you will see rocky ripples created by old ocean floor currents. The impressive vertical fractures and joints in the gorge walls document the compressional forces during the formation of the Appalachian Mountains about 200 million years ago.

6

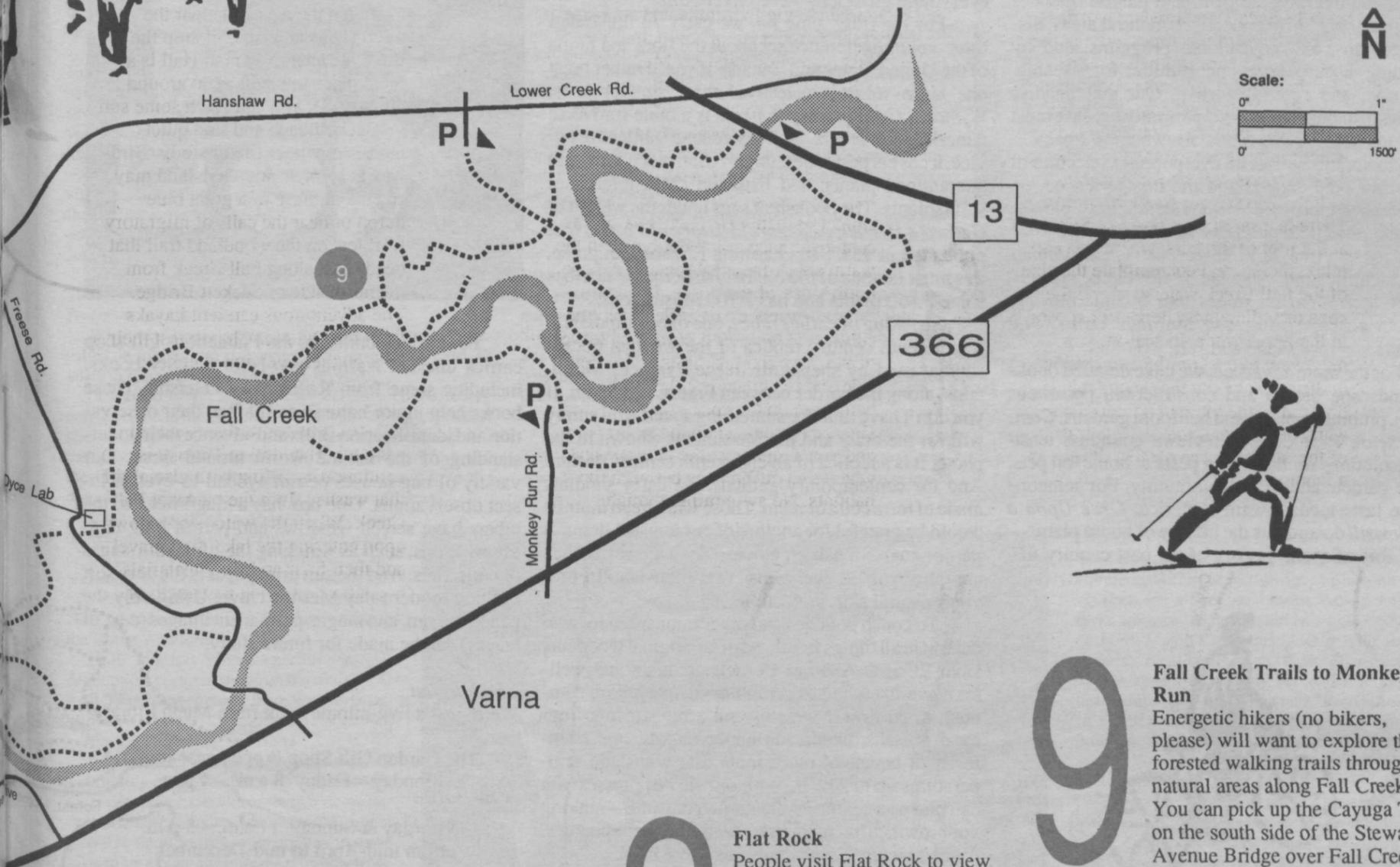
Upper Cascadilla Creek

Bikers, hikers, horseback riders, and Nordic skiers enjoy the trails along upper Cascadilla Creek. The wide, main path (entrances at Game Farm Road and on the west side of Judd Falls Road, just north of the railroad bridge) follows an old railroad right-of-way and is accessible year-round. The trail is level, and there are benches along the way near scenic views of the creek. This natural area, with its mix of forest, shrub thicket, wetland, and creekside habitats near open farm fields, is one of Ithaca's great birding sites. Aquatic entomologists find that diversity and the presence of certain stream invertebrates are excellent indicators of water quality. They tell us that upper Cascadilla is quite clean, so look for water striders in the quiet pools along the creek.

4

Plantations Gardens

Plant lovers, dedicated gardeners, and artists slip into the Plantations gardens again and again. They seek spring ephemerals in the Mundy Wildflower Garden and early witch hazel in the Deans' Garden behind Warren Hall. They soothe spring fever in the rhododendron and flowering shrub collections in the Mary Rockwell Azalea Garden (next to Malott Hall) and on Comstock Knoll (near Plantations' headquarters). They celebrate June in the Peony Garden, July and August in the Herb Garden. In our nationally recognized herb garden, you can learn about edible flowers, sacred herbs, simples and worts, and tussie mussies, just for starters. If you've ever wondered what cotton or kenaf looks like in real life, you can find out with a fall visit to the International Crop and Weed Garden. And you can find ridged tomatoes and purple beans in the heritage garden, whose vegetables trace the history of home gardening.



7

Newman Arboretum

From central campus it's only a 20-minute walk to our 125-acre arboretum, where you'll discover the beautiful bowl carved by the wanderings of Fall Creek as it ate its way through deep, gravelly deposits left by the last glacier 10,000 years ago. While in the arboretum, visitors often manage to do a bit of jogging, Nordic skiing, lunching, reading, painting, throwing frisbees, getting married, etc. Those not so preoccupied will note the tremendous variety of plants—trees, flowering shrubs, and field flowers—and their seasonal changes, from spring flowers to winter fruits. Though you can't soar as high as our resident hawk, from the arboretum's several overlooks you'll find awesome views of our ponds and the hills surrounding Ithaca.



8

Flat Rock

People visit Flat Rock to view the exposed bedrock of Fall Creek and contemplate the erosive forces of the water that cut through more than 100 feet of glacial till to create this geologic formation. On those wonderful hot days of early summer, visitors are compelled to consider thermodynamics: the geothermic warming of the large flat rocks, the potential heat exchange between two masses (rock and body), and, in contrast, the nearly magical powers of water to cool a body. For "scientific" purposes, visitors are often compelled to experience these thermal forces firsthand.

9

Fall Creek Trails to Monkey Run

Energetic hikers (no bikers, please) will want to explore the forested walking trails through the natural areas along Fall Creek. You can pick up the Cayuga Trail on the south side of the Stewart Avenue Bridge over Fall Creek (look for orange blaze marks on the trees), or come to the Plantations headquarters building for a map and start your hike there. You also can enter the Fall Creek trails near the small suspension bridge on Forest Home Drive, just beyond Flat Rock. The Cayuga Trail extends through the Monkey Run natural area all the way to Route 13, a distance of about 7 miles one way. Take a lunch, but no fires or camping, please. If you hike or ski the railroad right-of-way through Monkey Run in winter, be sure to look and listen for signs of animal life. You may find snow hoppers (insects); see turkey, mouse, and deer tracks; hear woodpeckers; or be startled by the take-off of a partridge.

Cascadilla Gorge: Treman Triangle to the Center for Theatre Arts	0.33 miles
Center for Theatre Arts to Plantations' headquarters building	0.66 miles
Plantations' headquarters building to Flat Rock	1.3 miles
Flat Rock to Dyce Lab (Freese Rd.)	2.3 miles
Dyce Lab to Monkey Run Rd.	1.5 miles
Trail around Beebe Lake	0.66 miles
Arboretum Road	1.44 miles
Upper Cascadilla: Judd Falls Rd. to Game Farm Rd.	0.77 miles

Seeds of Knowledge

Lost? Need directions around Cornell Plantations? Stop at the Garden Gift Shop for help and a map. While you are here, indulge yourself with a little treat and consider the myriad possibilities for the lucky people on your gift list.

The items in our gift shop are selected to advance Plantations' educational mission, which is to present and interpret the plant and natural sciences through our botanical collections, natural areas, display gardens, and educational programs, and by providing resources and opportunities for research, education, and cultural growth. Our merchandise presents a unique shopping opportunity because most of the items cannot be found elsewhere in Ithaca.

Plantations carries an eye-popping selection of books, for both experts and the inexperienced, on plant-related topics. For the novice, for example, the Nature Study Guild publishes a series of pocket-size handbooks on tree, fern, flower, berry, and animal-track identification. Also handy are the beautifully photographed Taylor guides that include old and modern roses, spring and summer bulbs, and groundcovers for shade and sun.

For the more advanced, we have detailed books on landscape design and construction, poisonous plants, pruning, topiary, and heirloom gardens. *Common Sense Pest Control* reviews countless least-toxic solutions for managing pests at home, on pets, in the garden, and in the community. For someone whose taste tends toward esoterica, *Once Upon a Windowsill* documents the history of house plants—it's a sort of social history of the past century that

covers the Victorian horticultural explosion (fueled by the worldwide plant explorations of the era), changing styles of architecture, and new techniques of heating and lighting. Want to learn about lilacs, alliums, ferns, biblical plants, mushrooms, mosses, or wildflowers, or just the more familiar garden plants? Whatever your interest, we have books on everything growable—even liverworts.

For the truly gung ho, we carry an illustrated three-volume reference set about the flora and fauna of the United States and Canada. If you'd rather hoist one large volume instead of three smaller ones, *Wyman's Garden Encyclopedia* is a bible for North American gardeners. Besides general gardening advice, it covers pesticides, importation procedures and quarantined plants, and lists and cross references 9,500 plants. The bookshelf sags under the weight of *Gerard's Herbal, A General History of Plants*, first published in 1597. In charming Elizabethan prose, this most famous of the old British herbals describes some 2,850 plants and has 2,700 illustrations.

Speaking of earlier times, one of our sundials is a fourteenth century replica of the wooden pocket sundial used by shepherds in the Pyrenees Mountains, along the border between France and Spain. If you don't have time for something so old, you surely will for the brass and marble sundial. Shown in the photo, it is a replica of an eighteenth century design. And for contemporary gardens, we carry sundials made of terra cotta or resin. Those with green thumbs would be grateful for another of our unusual items: a pair of goatskin garden gloves. They are softer than anything you've ever worn, and their lanolin provides natural skin protection.

To couch potatoes and other nongardeners who delight in all things floral, we offer original woodcuts from Elfriede Abbe (a Cornell graduate and well-known artist who has sculptures displayed on campus), dried flower wreaths and arrangements from local artisans, handmade paperweights, and stain-resistant botanical place mats that withstand temperatures up to 212°F. With our flower presses you can pursue a centuries-old garden pastime—making your own gifts with preserved flowers: plaques, framed pictures, note cards, and bookmarks.



For curious children, the Plantations gift shop carries unusual learn-as-you-color activity books, including some from Roger Tory Peterson. These books help junior naturalists sharpen their observation and identification skills and advance their understanding of the natural world around them. Our variety of bug houses permit eyeball-to-eyeball insect observations. One box has a magnifier lid; the others have screen windows and permit long-term observations, such as watching the life-cycle stages of butterflies. And the sun print paper is the very sort of thing modern-day Merlins crave. Using only the paper, the sun, and magic, permanent images (e.g., of leaves) can be made for future study.

Check us out.

We're just a five-minute walk from Mann Library.

The Garden Gift Shop is open year-round
Monday – Friday 8 a.m. – 4 p.m.

Saturday & Sunday 11 a.m. – 5 p.m.
from mid-April to mid-December.



Classes

For a free brochure and registration information, call Plantations at 255-3020.

BONSAI FOR BEGINNERS

Horticulture and art merge in the creation of bonsai (the ancient Japanese art of growing miniature trees). Through slide show, lecture, and demonstration students will learn the basics for working on their own bonsai and will prepare a bonsai to take home. Materials are included in class fee, with extras available for purchase at class time. Plant materials are specifically selected for indoor use.

INSTRUCTOR: Janet Breslin, President of Finger Lakes Bonsai Society
WORKSHOP: Thurs., Nov. 12, 6–9 p.m.
FEE: \$22 (Members); \$26 (Nonmembers)

WOODY PLANTS FOR PROBLEM PLACES

Placing the right plant in the right site requires knowledge of the plants' habitats and ranges, natural tolerances, and previous performance in varied situations. The instructor will share his planting successes and failures. Emphasis is on trees and shrubs that thrive in difficult sites, such as deep shade, clay soils, and exposed sunny slopes. Dress to be outside for field trip.

INSTRUCTOR: Rick Bogusch, Landscape Designer, Cornell Plantations
CLASS: Thurs., Feb. 25, 7–9 p.m.
FIELD TRIP: Sat., Feb. 27, 9 a.m.–noon
FEE: \$15 (Members); \$17 (Nonmembers)

PAINTING WITH CARBON DUST

Elaine Hodges, noted throughout the United States for her carbon dust technique, will conduct this all-day workshop demonstrating carbon dust technique for botanical illustration and guiding students with their own work. Dust, from the rubbing of a carbon pencil on sandpaper, is painted on a specially-toothed surface. Then using different tools—pencil, X-acto knife, paint brushes, and eraser—tones, highlights, and details are rendered. This unique technique gives your black and white work a soft, almost photographic effect. Previous experience in drawing is necessary. Please bring a box lunch and your own drinking mug. A suggested material list will be sent upon registration.

INSTRUCTOR: Elaine Hodges, Scientific Illustrator, Smithsonian Inst., Washington, D.C.

CLASS: Sat., Apr. 17, 9 a.m.–4 p.m.
FEE: \$70 (Members); \$80 (Nonmembers).

A CHILD'S RAIN FOREST GARDEN

Learn to appreciate tropical rain forests. This activity for the entire family will introduce plants and animals of the tropical rain forest and offer ways that kids can help save the rain forest. Children will create their own dish gardens from a variety of rain forest plants, listen to sounds of the rain forest, watch the slide show "Who Lives in the Rain Forest?", and visit a greenhouse to observe tropical plants. Children are expected to bring a parent at no charge.

INSTRUCTOR: Doug Spencer, Horticulturist, Cornell Plantations
WORKSHOP: Sat., Nov. 21, 9 a.m.–noon
FEE: \$10 for first child, \$5 for second child (Members); \$15 for first child, \$7 for second child (Nonmembers)

Plantations' Fall Lecture Series

Thursdays, 7:30 p.m.

October 15

Plants a Traveler Meets: Natives or Exotics?

Dr. Howard E. Evans, Veterinary Anatomy Dept., Cornell Univ.

October 22

Classic English Gardens

Dr. Raymond Fox, Floriculture & Ornamental Horticulture Dept., Cornell Univ.

October 29

Living with Deer and Other Wildlife in Your Landscape

Dr. Paul Curtis, Wildlife Damage Program, Natural Resources Dept., Cornell Univ.

November 5

Fungus Among Us

Dr. George Hudler, Plant Pathology Dept., Cornell Univ.

Lectures will be held at the Lewis Headquarters Building, Cornell Plantations.
\$2 Donation Nonmembers; Members Free

HOLIDAY BROOM

Create a holiday decoration that will last for years. From corn husks and pinecones you will design flowers to use with assorted greens and holiday ribbons to accent a natural 3-foot tall broom. All materials supplied. Come view a finished broom in the gift shop. Bring scissors and a glue gun, if you have one.

INSTRUCTOR: Carol Howell, Co-Owner of Nature's Creations

WORKSHOP: Tues., Dec. 8, 6:30–9:30 p.m.

FEE: \$19 (Members); \$22 (Nonmembers)

FRUITFUL HOLIDAY ARRANGEMENT

Decorate your home for the holidays with an arrangement of fresh evergreens, fruits, and other natural materials. Expert instruction will guide you through designing an arrangement tailored for your own holiday use. Methods of fruit preservation

and gilding will be demonstrated and discussed. Bring a container for the arrangement, scissors, pruning shears, work gloves, and candle tapers (if desired).

INSTRUCTOR: Linda Kabelac, Award-Winning Floral Designer
WORKSHOP: Thurs., Dec. 17, 6:30–9:30 p.m.
FEE: \$22 (Members); \$25 (Nonmembers)

GERMAN STATICE HEART

Make a delicate, heart-shaped wreath just in time for Valentine's day. You will learn how to make a wire base and cover it with German statice. Wreaths will be decorated with assorted pink and red flowers and your choice of bows. All wreath material will be provided. Bring pruning shears, scissors, and a glue gun if you own one.

INSTRUCTOR: Denise Jones, Co-owner Nature's Creations
WORKSHOP: Tues., Feb. 9, 7–9:30 p.m.
FEE: \$19 (Members); \$22 (Nonmembers)

Mary Falvey Fuller brings an eclectic approach to class

By Sean Jamieson

Mary Falvey Fuller '63 has a visitor in her office, a colleague on the phone and a secretary who needs a letter signed — and they're all vying for her attention, right now. But the contending distractions don't phase Falvey Fuller, the executive-in-residence this semester at the Johnson Graduate School of Management.

A decade ago, she was establishing her own consulting business in San Francisco, saving her father's faltering automobile dealership near Detroit, serving on the commission that rescued the Social Security system from insolvency, becoming involved with the Cornell Council and joining the board of San Francisco Performances.

The problems that need to be solved this particular afternoon aren't as weighty as those. From a snug, fifth-floor office in the center of Malott Hall, she's fine-tuning the schedule of an executive who will be lecturing to her Johnson School class later in the semester.

The speaker is one of a dozen who will visit her Business Strategy and Policy class, which she is team-teaching with Professor Jerome Hass.

When she began planning the course, Falvey Fuller called on friends and colleagues she knew from almost 30 years in business and community service.

"I wanted to get a group of speakers such that every single person in the class would be inspired by at least one," she said, adding: "I also wanted to introduce the students to the broad range of issues that affect strategic decisions and the importance of maintaining a clear focus despite the complexity of the analytical and judgment process."

Business Strategy is designed to get students thinking about long-term corporate goals, corporate values and the consonance of means and ends. The course is popular enough that two sections are offered; this semester the class spilled out of the original classroom into the Bache Auditorium in Malott.

Each Johnson School executive-in-residence puts a personal stamp on the course. "At least 50 percent changes from year to year," said Hass, who has taught the class since 1985.

Visiting speakers

Falvey Fuller spent a month this summer assembling an eclectic group of speakers for the course. Ralph Gerson, executive vice president of Guardian Industries, has spoken about global strategy and his company's experience in opening a plant in Hungary. The renowned pianist Andre Watts talked Oct. 6 about the importance of business perspectives in the performing arts. Later this month, Michael Dale, president of Jaguar Cars Inc., will speak on crisis management and cultural transformation. Before each speaker's turn, the class is given a pertinent case study — one on the Boston Ballet, for instance, in Watts' case.

Falvey Fuller first arrived at Cornell more than 30 years ago. An accomplished pianist, as a high school student she considered pursuing a career in music. Instead, she decided on business, earning a bachelor's degree with honors in economics from Cornell and an M.B.A. degree from Harvard Business School. She spent 13 years in New York, working as a management consultant with McKinsey & Co., vice president of Citibank and senior vice president of administration at Blyth, Eastman, Dillon, a Wall Street investment-banking and brokerage firm. In 1981, she moved to San Francisco and served as vice president of finance of Shaklee Corp.

That same year, she assumed management of her father's business, Falvey Autos Inc., in Troy, Mich. It was flirting with bankruptcy in the wake of his illness and an automobile-industry recession.

While she was reviving that company, Falvey Fuller left Shaklee and formed her own San Francisco-based consulting practice focusing on the financial-services industry, strategy development and the link between corporate values and management practice. Then, in 1982, President Reagan nominated her to serve on the National Commission on Social Security Reform. Around the same time, she joined San Francisco Performances, a non-profit organization that presents music and dance performances in the Bay Area; she became its first board chair in 1984.

Future in teaching?

In 1988 she became a member of Cornell's Board of Trustees, through which work she met Johnson School Dean Alan Merten. She jumped at his invitation for her to co-teach the Business Strategy course.



Charles Harrington/University Photography

Mary Falvey Fuller '63

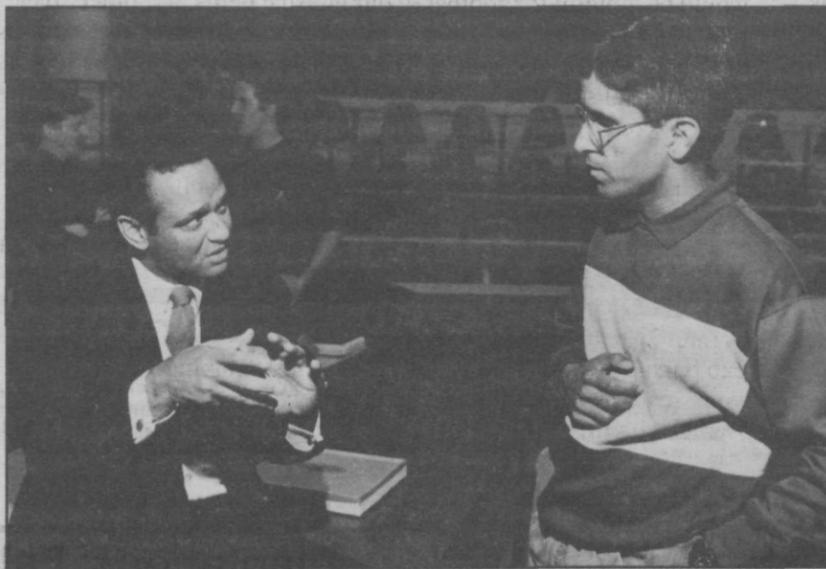
"I have thought for some time that I see teaching as part of my life in the future," she said. "It's great to be able to try it out and to serve Cornell and Johnson School students, while also recharging my intellectual batteries."

In class, Falvey Fuller plays different roles. First she's the Voice of Experience, fielding questions on ethics, fairness and corporate culture and offering war stories to illustrate.

Then she's Seminar Leader, letting students advance the discussion on a case study of Ford Motor Co.'s relationship with its dealers. "I can't tell you the fights I had over Volkswagen's advertising before I sold the dealership," she told students. "Remember 'It's not a car, it's a Volkswagen?'" The problem, she explained, is that the ad won awards from the advertising industry but left car buyers cold.

When Falvey Fuller is not teaching, she's a student in three music courses, including music theory and histories of jazz and opera. The interest in piano is back, and she hopes that the music theory may help her pursue yet another goal, to play chamber music.

"I've done a lot of things and learned from them all," she said. "I continue to be drawn to situations where I can make a difference, take on a challenge and learn something. My style tends to be to get involved and make things happen. I guess I'm a performer by nature."



Charles Harrington/University Photography

Renowned pianist Andre Watts (left) visit Mary Falvey Fuller's Johnson School class Oct. 6 to talk about the importance of business perspectives in the performing arts. Here, he chats with student Navdeep S. Brar.

New C.U. Transit routes, schedule announced

By David Lieb

Beginning Oct. 19, C.U. Transit buses that serve the campus area will run on new routes and schedules. These changes represent the first major overhaul since the service was

introduced in 1965.

Instead of the three routes that C.U. Transit has been running, there will now be four routes. Employees and students will notice improvements in the times between buses to and from perimeter lots during peak hours,

and the new service will link Collegetown with the Arts Quadrangle, according to Brad Lane, a transportation planner for Transportation Services.

Bill Wendt, director of Transportation Services, says the changes will result in "much more effective service that is also more efficient." No new buses will be required for this additional service.

Some of the major differences are:

- More destinations, including Alberding Field House, and the "K" and Morrison parking lots.

- Easy transfer points with shorter wait times of up to five minutes.

- Ten minutes between buses out of Collegetown.

- Eight minutes between buses out of "A" Lot during morning and afternoon peaks.

- Ten minutes between buses out of "A" Lot during non-peak hours.

- Seven-and-one-half minutes between buses out of "B" Lot (on average) all day.

- Ten minutes between buses out of West Campus (on average).

"The schedules are simpler to use and the times are easier to remember," Lane said.

"We knew we weren't providing the students and employees with optimal service and we've been working on changes," Lane explains, attributing many of the ideas for the revised service to on- and off-campus surveys.

Copies of the new schedule are available on C.U. Transit buses and at the Information and Referral Center in the Day Hall lobby.

CU, Penn State form computing consortium

Officials from Cornell and Pennsylvania State University announced Oct. 5 the formation of a consortium to supply educational institutions nationwide with the best of administrative computing applications.

"It is more than one institution can do to develop and maintain the family of administrative computing applications required of higher education today," said David Koehler, director of the Information Resources Division of Cornell Information Technologies.

The complexity of these applications is increasing so rapidly that even the best endowed institutions spend years accumulating baseline systems for registration, admissions, financial aid, student loans, housing, inventory management, physical plant operations and many more operations. "The process is so painstaking," Koehler said, "that most institutions get by with minimal systems, sacrificing institutional productivity and efficiency."

The new consortium, named EXEMPLAR, is intended to provide a resource for educational institutions with similar administrative needs. The consortium will select administrative software that represents the best practice among peer institutions. Once chosen, such administrative computing applications would be available for all consortium members to use as they wish.

81 Campus North/Central/B Lot Departure Times (read across)						
B Lot	Kennedy	Statler	A Lot	University & East	Sage	
4:30 AM	4:36	4:38	4:45	4:50	4:52	
5:30	5:36	5:38	5:45	5:50	5:52	
6:05	6:11	6:13	6:25	6:30	6:32	
6:25	6:31	6:33	6:45	6:50	6:52	
6:35	6:41	6:43	6:55	7:00	7:02	
6:45	7:51	6:53	7:05	7:10	7:12	
Schedule repeats every ten minutes. Buses leave A and B Lots every ten minutes, at 5, 15, 25, 35, 45, and 55 minutes past the hour.						
5:45 PM	5:51	5:53	6:05	6:10	6:12	
5:55	6:01	6:03	6:15			
6:05	6:11	6:13	6:25	6:30	6:32	
6:15						
6:25						
6:45	6:51	6:53	7:05			
82 Campus West/C-Town/Central/Vet Departure Times (read across)						
Baker Flag	C-Town	Statler	Alberding	Morrison Lot	Foundry	
7:45 AM	7:50	7:53	7:57	8:03	8:13	
8:15	8:20	8:23	8:27	8:33	8:43	
Schedule repeats every 30 minutes.						
5:15 PM	5:20	5:23	5:27	5:33	5:43	
5:45	5:50	5:53	5:57	6:03		
83 Campus West/C-Town/Central/Vet Departure Times (read across)						
Baker Flag	Sibley	Morrison Lot	Alberding	Sage	C-Town	
7:35 AM	7:37	7:49	7:51	7:56	8:00	
8:05	8:07	8:19	8:21	8:26	8:30	
Schedule repeats every 30 minutes.						
5:35 PM	5:37	5:49	5:51	5:56	6:00	
6:05	6:07	6:19				
84 Campus West/C-Town/Central/B Lot Departure Times (read across)						
Baker Flag	C-Town	Statler	B Lot	Bradfield	Foundry	
7:35 AM	7:40	7:43	7:50	7:54	8:00	
8:05	8:10	8:13	8:20	8:24	8:30	
Schedule repeats every 30 minutes.						
6:35 PM	6:40	6:43	6:50	6:54	7:00	
7:05						
Transfers						
Free transfer tickets are available from the driver for travel between North Campus and West Campus, and between North Campus and Collegetown.						

CALENDAR

continued from page 8

120 Ives Hall. Co-sponsored by Pakistan Student Association and Einaudi Center for International Studies.

Theory Center

"What Economists Can Contribute to the Analysis of Global Change: Some Experiments with the World Model and World Database," Faye Duchin, New York University, Oct. 21, 2:30 p.m., Seminar Room, Upson Hall.

University Program Board

Film maker Spike Lee will give a talk Oct. 22 at 8 p.m. in Bailey Hall. Tickets are \$8 at the Willard Straight box office. Call 255-3430 for more information.

MUSIC

Department of Music

The premier Russian piano duo Elena Sorokina and Alexander Bakhchiev will give a "program of unusual works of the time of Pushkin." Pianists Jonathan Shames and Stephanie Leon will join them for the larger works of the program, Oct. 15, 8:15 p.m., Barnes Hall.

The "Italienisches Liederbuch" (Italian Song Book) by Hugo Wolf will be presented by soprano Judith Kellock, tenor Paul Sperry and pianist Margo Garrett on Oct. 16 at 8:15 p.m. in Barnes Hall.

On Oct. 17 at 8:15 p.m., violinist Sonya Monosoff and pianist Susan Kagan will perform Beethoven's opus 96, which was to have inspired Archduke Rudolph of Austria to compose his "Sonata in F Minor for Violin and Piano," also on the program.

On Oct. 18, Scott Jeneary will conduct the Cornell Symphonic Band at 2 p.m. in Bailey Hall.

Amazona, a dynamic contemporary jazz ensemble which fuses Brazilian, Afro-Cuban and other world beat rhythms with mainstream jazz and classical forms, will perform Oct. 18 at 4 p.m. in Barnes. Joining acclaimed vocalist-guitarist Richard Boukas will be Tony Regusis, keyboards; John Arbo, bass and vocals; and Ray Marchica, drums and percussion.

On Oct. 20 at 8:15 p.m. in Barnes Hall, two internationally acclaimed artists, bass-baritone David Thomas from England and fortepianist Malcolm Bilson, will perform Franz Schubert's "Die Winterreise."

Bound for Glory

Christopher Shaw, Adirondack singer, songwriter and storyteller, returns Oct. 18 for three live sets at 8:30, 9:30 and 10:30 p.m. in the Commons Coffeehouse, Anabel Taylor Hall. Bound for Glory can be heard every Sunday night from 8 to 11 p.m. on WVBR, 93.5 FM.

READINGS

Creative Writing Committee

Tama Janowitz, author of *The Male Cross-Dresser Support Group* and *Slaves of New York*, will give a reading Oct. 22 at 4:30 p.m. in Kaufmann Auditorium of Goldwin Smith Hall.

RELIGION

Sage Chapel

Charles Rice, Drew University, will deliver the sermon Oct. 18 at 11 a.m. Music by the Sage Chapel choir, under the direction of William Cowdery, acting university organist. Sage is a non-sectarian chapel that fosters dialogue and exploration with and among the major faith traditions.

Afro-American

Sundays, 6:30 p.m., Robert Purcell Union.

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 Thursdays, 7 p.m., Founders Room, Anabel Taylor Hall.

Episcopal (Anglican)

Sundays, worship and Eucharist, 9:30 a.m., Rev. Gurdon Brewster, chaplain, Anabel Taylor Chapel.

Gil Shaham to perform with St. Paul Orchestra on Oct. 29

Violinist Gil Shaham and the St. Paul Chamber Orchestra will give the next concert of the 1992-93 Bailey Hall season on Thursday, Oct. 29, at 8:15 p.m.

They will perform the "Classical" Symphony No. 1, Op. 25, by Sergei Prokofiev; the Violin Concerto, Op. 14, by Samuel Barber; and the Symphony No. 2 by Ludwig van Beethoven.

The 21-year-old American-born, Israeli-raised Shaham made his debut with the Jerusalem Symphony at the age of 10. He won first prize in Israel's Claremont Competition at age 11, and he became a scholarship student at the Juilliard School in New York City.

Three years ago, while a student at the Horace Mann School in New York, Shaham made international headlines by substituting for Itzhak Perlman on a day's notice in a performance of Bruch and Sibelius Violin Concertos with the London Symphony Orchestra. In January of this year, he made a successful Carnegie Hall recital debut.

Shaham, who gives some 90 concerts a year, has performed with the major American orchestras as well as with the Berlin Philharmonic, l'Orchestre de Paris and the Royal Philharmonic of London.

The St. Paul Chamber Orchestra, America's only full-time professional chamber orchestra, devotes the major portion of its programs to the classical and contemporary literature not ordinarily played by large symphonies.

The 33-year-old orchestra gives more than 150 performances a year, frequently appearing in New York's Carnegie and Avery Fisher Halls, Washington's Kennedy Center, on nationally distributed radio broadcasts and on international tours.

The orchestra's music director, Hugo Wolff, who will conduct the orchestra in Ithaca, has



Christian Steiner

Gil Shaham

been called a "rising star among American maestros" by The New York Times. He made his conducting debut in quick succession, with the Philadelphia Orchestra, the Boston, Baltimore and Chicago symphonies and the New York Philharmonic, all to critical acclaim.

Tickets for the concert are \$14 for students and from \$16.50 for the general public. They are on sale at the Lincoln Hall ticket office, open Monday to Friday, 9 a.m. to 1 p.m., tel. 255-5144.

Beginning with this concert, the Concert Cafe in the Big Red Barn will be open after each of the Bailey Hall concerts to offer coffee, tea, cold drinks and desserts.

Friends (Quakers)

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

Jewish

Reform: Fridays 6 p.m., chapel, Anabel Taylor Hall; Conservative/Egalitarian: Fridays, 5:30 p.m., Founders Room, and Saturdays 9:30 a.m., Founders Room, Anabel Taylor Hall; Orthodox: Saturday, 9:15 a.m., Edwards Room, Anabel Taylor Hall.

Korean Church

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

Muslim

Friday prayers, Founders Room at 1 p.m.; Edwards Room at 1:25 p.m. Daily prayer, 1 p.m., 218 Anabel Taylor Hall.

Protestant Cooperative Ministry

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

Zen Buddhist

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

SEMINARS

Agricultural Economics

"International Monetary Issues in Agricultural Development," G. Edward Schuh, University of Minnesota, Oct. 22, 3:45 p.m., 401 Warren Hall.

Anthropology

"The Not So Socio-centric Self," Robert Smith, anthropology, Oct. 16, 3:30 p.m., 165 McGraw Hall.

Applied Mathematics

"Computing Steady Incompressible Flows Past Blunt Bodies: A Historical Overview," Bengt Fornberg, Exxon Corporate Research, Oct. 16, 4 p.m., 456 Theory Center.

Astronomy & Space Sciences

"Stellar Interferometry at 10 Microns," Charles Townes, University of California, Berkeley, Oct. 22, 4:30 p.m., 105 Space Sciences Building.

Biochemistry, Molecular & Cell Biology

"Jeckel and Hyde Life of the Blood Platelet," John Hartwig, Brigham and Women's Hospital, Oct. 16, 4 p.m., Large Conference Room, Biotechnology Building.

Biophysics

"RNA Polymerase II Transcription: Structure, Mechanism and Regulation," Roger Kornberg, Stanford University, Oct. 21, 4:30 p.m., 700 Clark Hall.

Chemical Engineering

"Phase Behavior and Associated Shape Transitions of Monolayers Residing at Fluid-Fluid Interfaces," T. Kyle Vanderlick, University of Pennsylvania, Oct. 20, 3:30 p.m., 165 Olin Hall.

Chemistry

"High Resolution Infrared Spectroscopy: A Probe of Chemical Dynamics," Laura Phillips, chemistry, Oct. 15, 4:40 p.m., 119 Baker.

Title to be announced, Paul Anderson, Merck Sharp and Dohme, Oct. 19, 4:40 p.m., 119 Baker.

CIIFAD

"Pesticide Use and Potential for IPM Among Small Farmers in Honduras and Guatemala: Myths and Reality," Stephen Sherwood, MPS/IARD student, Oct. 19, 4 p.m., 404 Plant Science.

City & Regional Planning

"Housing and Community Development in Baltimore," Sally Digges, St. Ambrose Housing Aid Center, Oct. 16, 12:15 p.m., 115 Tjaden Hall.

CUSLAR

"Environmental Issues and Conflicts in the Dominican Republic," Jim Lassoie, CIIFAD, Oct. 19, 5:15 p.m., Commons Coffeehouse, Anabel Taylor Hall.

"The Human Rights Situation in Haiti," Dorothy Cotton, Oct. 20, 7 p.m., Edwards Room, Anabel Taylor Hall, co-sponsored by the Latin American Studies Program.

Ecology & Systematics

"Conservation Biology and Fire Ecology of the Florida Scrub Jay," John Fitzpatrick, Archbold Biological Station, Oct. 21, 4 p.m., Morison Seminar Room, Corson/Mudd Hall.

Electrical Engineering

"Electric and Hybrid Vehicle Development at GE Corporate R&D," Stephen MacMinn, GE Corporate R&D Center, Schenectady, Oct. 20, 4:30 p.m., 219 Phillips Hall.

Entomology Jugatae

"Evolution of Honeybee Social Organization," Robert Page, University of California at Davis, Oct. 15, 4 p.m., Morison Seminar Room, Corson/Mudd Hall.

"Molecular Variation in Higher Moths and Butterflies: Effects of Exemplars," Susan Weller, Louisiana State University, Oct. 19, 4 p.m., Morison Seminar Room, Corson/Mudd Hall, co-sponsored by ecology & systematics and Bailey hortorium.

Environmental Toxicology

"PCBs in Great Lakes Food Webs," James Gillett, natural resources, Oct. 16, 12:20 p.m., 135 Emerson Hall.

Food & Nutrition Policy Program

"The Bamako Initiative: An Effort to Revitalize Basic Health Services in Africa," Steve Jarrett, UNICEF, Oct. 15, 2:30 p.m., 100 Savage Hall.

Food Science & Technology

"Glass Transitions in Foods," Marcus Karel, Rutgers University, Oct. 20, 4:30 p.m., 204 Stocking Hall.

Fruit & Vegetable Science

"Vegetable Research and Development in Bangladesh," A. Hossain, visiting research fellow, plant breeding, Oct. 15, 4:30 p.m., 404 Plant Science Building.

"Frieda's Inc.: A Discussion on Its History and Strategy and a Look to the Future," Karen Caplan, chief executive officer, Frieda's Specialty Foods, Oct. 22, 4:30 p.m., 404 Plant Science.

Genetics & Development

"Regulatory Sequences for Programmed DNA Rearrangements in *Tetrahymena*," Meng-Chao Yao, Hutchinson Cancer Research Center, Seattle, Wash., Oct. 19, 4 p.m., Conference Room, Biotechnology Building.

"The *Drosophila* Sex Peptide: A Peptide Pheromone Involved in Reproduction," Eric Kubli, Zoologisches Institut der Universität Zurich, Oct. 21, 12:20 p.m., Seminar Room, Biotechnology Building.

Geological Sciences

"Global Topographic Data: Acquisition and Application to Neotectonic Studies," David Harding, Goddard Space Flight Center, Oct. 20, 4:30 p.m., 1120 Snee Hall.

Hotel Administration

"Measuring Gains From Implementation of New Technology in the Hospitality Sector: A Study of the Positron Deployment at Hardee's," Richard Morey, Tulane University, Oct. 19, 4 p.m., 165 Stadler Hall.

International Nutrition

"Nutrition, Ethics and Human Rights," Urban Jonsson, UNICEF, Oct. 15, 12:40 p.m., 200 Savage Hall.

"The Effects of Minor Illnesses and Energy Intake on Growth of Well-Nourished Children in Tucson, Ariz.," Awal Khan, nutritional sciences, Oct. 22, 12:40 p.m., 200 Savage Hall.

International Political Economy Program

"North/South Implications of the GATT (Dunkel) Proposals: A View From the South," Smitu Kothari, city & regional planning; and "GATT and Global Political-Economic Restructuring," Philip McMichael, rural/development sociology, Oct. 22, 12:15 p.m., 153 Uris Hall.

Labor Economics

"Compensation of Managers," Michael Bognanno, Temple University, Oct. 19, 3:50 p.m., 114 Ives Hall.

Latin American Studies Program

"Shanty Town Protests Before and After Pinochet," Cathy Schneider, government, Oct. 20, 12:15 p.m., 153 Uris Hall.

Mechanical & Aerospace Engineering

"Fun and Frustration: Technology and Science 1938 to 1992," Arthur Kantrowitz, Dartmouth College, Oct. 20, 4:30 p.m., 111 Upson Hall.

Microbiology

"Molecular Mechanisms Governing Regulation of Xylose Utilization in Some Bacilli," Wolfgang Hillin, Friedrich-Alexander Universität, Germany, Oct. 15, 4 p.m., Large Conference Room, Biotechnology Building.

"Cellulase (hot topic): *microbispora* and *thermatoga*," Douglas Eveleigh, Rutgers State University, Oct. 22, 4 p.m., Large Conference Room, Biotechnology Building.

Natural Resources

"Liming Effects on Forest Floor Nitrogen Dynamics of a Northern Hardwood Forest," Jeffrey Simmons, natural resources, Oct. 20, 4 p.m., 304 Fernow Hall.

Neurobiology & Behavior

"Acetylcholine Receptor Clustering: Role of the Membrane Associated Cytoskeleton," Robert Bloch, University of Maryland, Oct. 15, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Operations Research & Industrial Engineering

Manufacturing Engineering Seminar "Food Manufacturing Seminar," Griscom Bettle III, Beatrice-Tropicana, Oct. 15, 4:30 p.m., 155 Olin Hall.

"The Politics of Energy," Larry Fuller, president, Amoco, Oct. 22, 4:30 p.m., 155 Olin Hall.

Continued on page 7

CALENDAR

continued from page 6

Organizational Behavior

"Mental Models and Organizational Learning in Nuclear Power Plants," John Carroll, MIT, Oct. 15, 3:30 p.m., 105 ILR Conference Center.
 "Impact of National Stereotypes on Perception," Jan Katz, Johnson School, Oct. 19, 3:30 p.m., 105 ILR Conference Center.

Ornithology

"Florida Scrub Jays: Ecology and Conservation Dilemmas in Florida's Uplands," John Fitzpatrick, Archbold Biological Station, Oct. 22, 7:45 p.m., Fuertes Room, Laboratory of Ornithology, 159 Sapsucker Woods Road.

Peace Studies

"Post-Modern Civil-Military Relations," Charles Moskos, Northwestern University, Oct. 15, 12:15 p.m., G-08 Uris Hall.
 "Institutions and Ideologies in Post-Soviet Russia: Towards a New Civil-Military Relationship?" Jeff Checkel, University of Pittsburgh, Oct. 22, 12:15 p.m., G-08 Uris Hall.

Pharmacology

"Transmembrane Signaling Via G Proteins: Regulation of Phospholipase C," Paul Sternweis, University of Texas Southwestern Medical Center, Oct. 19, 4:30 p.m., G-3 Veterinary Research Tower.

Physiology

Title to be announced, Dr. Silver, physiology, Oct. 20, 4:30 p.m., G-3 Veterinary Research Tower.

Plant Breeding & Biometry

"Interspecific Crossing Barriers in Lycopodium and Their Relationship to Self-Incompatibility," Barbara Liedl, plant breeding, Oct. 20, 12:20 p.m., 135 Emerson Hall.

Plant Pathology

"Barley Yellow Dwarf Physiology: New Approaches," Jana Lamboy, plant pathology, Oct. 15, 3 p.m., A133 Barton Laboratory, Agricultural Experiment Station, Geneva.

"Genetically Engineered Virus Resistance in Commercial Crops: Technology Transfer to Lesser Developed Countries?" Dennis Gonsalves, plant pathology, Oct. 20, 4:30 p.m., 404 Plant Science.

"Armillaria in New York: Species, Distribution and Biology," Jim Worrall, Forest Biology, SUNY, Syracuse, Oct. 22, 3 p.m., A133 Barton Laboratory, Agricultural Experiment Station, Geneva.

Science & Technology Studies

"A Twentieth-Century Phlogiston, Disagree-

ments and Domains," Douglas Allchin, science & technology studies, Oct. 19, 4:30 p.m., 609 Clark Hall.

Soil, Crop & Atmospheric Sciences

"Reduced Membrane Transport as a Mechanism of Resistance to Paraquat in a Weedy Barley," Jonathan Hart, soil, crop & atmospheric sciences, Oct. 20, 3:30 p.m., 135 Emerson Hall.

South Asia Program

"The Rice-Wheat Cropping Systems of South Asia: Are They Sustainable?" Peter Hobbs, soil, crop & atmospheric sciences, Oct. 19, 12:15 p.m., 200 Savage Hall.

Southeast Asia Program

"A Villain in Thai History Who Was Framed by the Plot of Historians," Thongchai Winichakul, University of Wisconsin at Madison, Oct. 15, 12:20 p.m., George McT. Kahin Center, 640 Stewart Ave.

To be announced, Oct. 22, 12:20 p.m., George McT. Kahin Center, 640 Stewart Ave.

Space Sciences

"New Light on the Extragalactic Zoo," Steven Schneider, University of Massachusetts, Amherst, Oct. 15, 4:30 p.m., 105 Space Sciences Building.

Stability, Transition & Turbulence

"Hydrodynamic Stability Theory Without Eigenvalues," Lloyd Trefethen, computer science, Oct. 20, 12:30 p.m., 178 Theory Center.

Statistics

"Adaptive and Recursive Classified Procedures," Andrew Rukhin, University of Maryland, Oct. 21, 3:30 p.m., 100 Caldwell Hall.

Textiles & Apparel

"Skin/Core Structure in Kevlar Aramid Fibers," Warren Knoff, E.I. du Pont de Nemours & Co., Oct. 15, 12:20 p.m., 317 Martha Van Rensselaer Hall.

"On-Line Measurement of Fabric Property for Control Purposes" and "Electrochemical Treatment of Pesticide-Laden Wastewater," Bijian Chen and Kalpana Pratap, Oct. 22, 12:20 p.m., 317 Martha Van Rensselaer Hall.

Women's Studies

"Gender and the State in Seventeenth-Century Anglo-America," Mary Beth Norton, history and women's studies, Oct. 16, 3:30 p.m., ILR Faculty Lounge, Ives Hall.

SYMPOSIUMS

Cornell United Religious Work

A panel discussion, "Dying with Dignity:

Spike Lee, Tama Janowitz to visit Oct. 22

Film maker Spike Lee and novelist Tama Janowitz will visit campus Oct. 22.

Lee will give a lecture at 8 p.m. in Bailey Hall. Tickets are available to the from the Willard Straight box office, which is open from 10 a.m. to 5 p.m. More ticket information is available by calling 255-3430.

Lee's upcoming film, *Malcolm X*, is scheduled to be released in November. He also wrote and directed *Jungle Fever*, a 1992 movie about interracial relationships, and *Do the Right Thing*, a 1989 film for which he received an Academy Award nomination for best original screenplay. He also wrote and directed *Mo' Better Blues*, *She's Gotta Have It* and *School Daze*.

Lee's visit is organized and sponsored by the student-run Cornell University Program Board. He previously visited Cornell in 1989, at the invitation of Cornell Cinema and Cornell's Africana Studies and Research Center.

Janowitz, author of *The Male Cross-Dresser Support Group* and *Slaves of New York*, will give a reading in Kaufmann Auditorium, Goldwin Smith Hall, Oct. 22, at 4:30 p.m.

The daughter of Phyllis Janowitz, a poet and associate professor of English here, she also will attend a reception and book-signing in the A.D. White House after the reading.

Janowitz's book, *The Male Cross-Dresser Support Group*, was published in September to critical acclaim. Writing for *The New York Times Book Review*, one critic called her comic voice "one of the best in the business" and her concerns among the important ones of the day.

"On the surface, she may be writing about present-day Manhattan, but in reality she is trying to explain the difference between men and women, neither of whom get very high marks.

"Women are awful, particularly to one an-

other, but men are even worse and still they get all the breaks," wrote the critic, writer Robert Plunket.

He went on to say: "Most of all, it's great fun to see a first-rate comic mind tackle the important issues of the day — sexual identity, family values, the shocking behavior of rich



Josef Astor

Tama Janowitz

WASPs with enormous trust funds." Janowitz's earlier book, *Slaves of New York*, published in 1986, was a best-seller and made into a movie by Merchant-Ivory.

She is also the author of *American Dad*, published in 1981, and *A Cannibal in Manhattan*, published in 1987.

Her visit is sponsored by Cornell's Creative Writing Committee and Crown Publishers.

Institute for African Development

"Somalia: Human Disaster and World Politics" will take place Oct. 15 and 16 in 700 Clark Hall. Rakiya Omar, director of Africa Watch, will open the symposium tonight, Oct. 15, at 8 p.m. with an address titled "Human Rights: Victim of National Disintegration." On Oct. 16 from 9 a.m. to 5 p.m., specialists will discuss two themes: "Human Disaster in Somalia Today" and "World Politics and International Responsibility." Among other issues, speakers will deal with despotism in Somalia, the nation's dismemberment, its power struggles, the search for peace on the Horn of Africa, and what external help can accomplish. The symposium is also sponsored by the Africana Studies & Research Center.

World Food Day Teleconference

"Nutrition: Linking Food Health and Development," Oct. 16, noon, Faculty Commons, Martha Van Rensselaer Hall. Panelists: James Grant, executive director of UNICEF; Fernando Monckeberg, director of the Institute of Nutrition and Food Technology, Chile; A. Wynante Patterson, director of the Caribbean Food and Nutrition Institute; Per Pinstrup-Anderson, director of the International Food Policy Research Institute, Washington, D.C.

THEATER

Department of Theatre Arts

"My Children! My Africa" by Athol Fugard, a powerful drama set in contemporary South Africa, will be performed Oct. 22 at 8 p.m. in the Class of '56 Flexible Theatre at the Center for Theatre Arts. Tickets are \$5 and \$7. Other dates for the play are: Oct. 23, 8 p.m.; Oct. 24, 8 p.m.; Oct. 25, 2 and 8 p.m.; Oct. 28, 8 p.m.; Oct. 29, 8 p.m.; Oct. 30, 8 p.m.; Oct. 31, 2 and 8 p.m.; Nov. 1, 2 p.m.

MISC.

Computer Workshops

The following free workshops on searching databases in Mann Library are open to all members of the Cornell community. Advance registration is required, so stop by the Mann Library Reference Desk, call 255-5406 or e-mail: manx@cornell for information and registration. Agriculture and Biology Information, Oct. 20 and 28, Nov. 5, 13 and 17; Education Information (ERIC), Oct. 21 and 27 and Nov. 11; General Periodicals, Oct. 20 and 29 and Nov. 18; Nutrition Information, Nov. 4; and Census Information, Oct. 22.

SPORTS

Home contests in ALL CAPS.
 Win-loss records as of Sunday.

Men's Cross Country (5-0)

Oct. 17, at Penn State Invitational

Women's Cross Country (5-0)

Oct. 17, at Penn State Invitational

Women's Varsity Field Hockey (4-3-2)

Oct. 17, at Pennsylvania, 10 a.m.
 Oct. 18, at Ursinus, 1 p.m.
 Oct. 21, at Colgate, 4 p.m.

J.V. Field Hockey

Oct. 20, WILLIAM SMITH, 7:30 p.m.

Varsity Football (3-1)

Oct. 17, at Colgate, 1 p.m.

Freshman Football (0-2)

Oct. 16, at Princeton, 1:30 p.m.

Lightweight Football (3-0)

Oct. 16, at Army, 7:30 p.m.

Men's Varsity Soccer (4-3-1)

Oct. 17, ST. BONAVENTURE, 2 p.m.
 Oct. 21, at Fordham, 2 p.m.

Women's Varsity Soccer (5-4-1)

Oct. 17, PENNSYLVANIA, 1 p.m.
 Oct. 18, BUCKNELL, 1 p.m.

Women's Tennis (1-1)

Oct. 17-18, N.Y.S. Tournament at Albany

Women's Volleyball (6-5)

Oct. 16, HARVARD, 7 p.m.
 Oct. 17, DARTMOUTH, 1 p.m.
 Oct. 20, at Colgate, 6:30 p.m.

'Good Sports' tells the stories of CU athletics

Good Sports: A History of Cornell Athletics, an illustrated 460-page collection of stories about athletics at Cornell, was published Oct. 1. The author is Robert J. Kane, for four decades director of athletics here and later president of the U.S. Olympic Committee.

Kane tells of famous coaches and athletes, and notable wins and losses, including Cornell's decision to forfeit a 1940 football victory over Dartmouth, earned on an illegal fifth down.

Among the book's individual heroes are Glenn "Pop" Warner, pioneering coach of football; hockey goalie Ken Dryden; footballers "Bud" Holland and Ed Marinaro; world mile record holder John Paul Jones; and boxer Matt Urban, one of the most decorated American soldiers of World War II.

Kane relates upset wins over Rose Bowl champions Ohio State and Michigan in football, and over the Princeton of basketball star Bill Bradley, as well as individual triumphs and the actions of unruly bear mascots, canine

spectators and student activists.

Scores of former athletes and coaches tell Kane what athletics meant to them at the time and in their careers as well as the impact of the arrival of intercollegiate competition for women and other changes in college sports.

Good Sports is illustrated with 300 photographs, includes accounts of each of the 33 men's and women's sports in which Cornell has competed, and has a foreword by Dick Schaap, sports author and TV commentator.

Kane died May 31 at the age of 81. He finished writing the book in 1991; publication was completed by John Marcham, for 30 years editor of the *Cornell Alumni News*.

The book is a horizontal 11-by-8.5-inches, hardbound, and sells for \$49.95 through 1992, \$60 thereafter. Copies are available in local bookstores and by phone and mail. Mail orders add \$4 handling charge from GOOD SPORTS, c/o Cornell Alumni News, 55 Brown Road, Ithaca, N.Y. 14850, or (800) 724-4373.

Intramural Tennis Doubles Final Standings

Fraternity

1. Psi Upsilon
2. Sigma Alpha Epsilon
- 3T Alpha Tau Omega
- 3T Pi Kappa Alpha

Graduate/Staff

1. German/Hickam
2. JGSM (Akio/Ken)
- 3T Law (Rick/Ray)
- 3T JGSM (Richard/Doc)

Independent

1. Legion of Doom
2. RCK
- 3T The Bagels
- 3T Numn's Nasties

Residence Halls

1. Donlon (Brett/James)
2. Flunky Flintstones
- 3T TC Haymakers
- 3T The Aces (Class of '28)

Coed

1. Jen & Matt
2. Mark & Karen
- 3T JGSM (Adele/John)
- 3T Your Worst Nightmare

Watch this space for the final standings of all of the fall intramural sports.

CALENDAR

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 sub-heading of the calendar in which the item should appear.

DANCE

Cornell International Folkdancers

All events are open to the Cornell Community and general public. Admission is free, unless stated otherwise. For further information, call 539-7335 or 277-3638.

Oct. 18: Advanced Balkan teaching with Ed Abelson, 6:30 p.m.; teaching, 7:30 p.m.; request dancing, 8:30 p.m., North Room, Willard Straight Hall.

Global Dancing, Tuesdays, teaching 8:30 p.m.; open dancing 9:45 to 10:30 p.m. in Helen Newman Hall Dance Studio.

European and Scandinavian Couple Dancing, Thursdays, 8:30 p.m., Helen Newman Dance Studio. For more information call Dick at 273-0707 or Marie at 844-8783.

Israeli Folkdancing

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

Jitterbug Club

Beginning jitterbug, a six-week series, begins Oct. 28 at 7:15 p.m. in the Edwards Room, Anabel Taylor Hall. The cost is \$35 in advance or \$40 at the door. For information, call Bill at 273-0126.

Western Swing Classes

Western (4-count) swing classes will be held through Nov. 4 in Anabel Taylor Hall. The cost is \$6 per class (\$5 for students). Call Bill at 273-0126 for more information.

EXHIBITS

Johnson Art Museum

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

"Agnes Denes: A Retrospective," through Oct. 25.

"China Between Revolutions, 1917-1927: Photographs by Sidney D. Gamble," through Oct. 24.

"In Medusa's Gaze: Still Life Paintings from Upstate New York Museums," through Nov. 29.

As part of the October Artbreak series, today, Oct. 15, at noon, Leslie Schwartz, coordinator of adult programs at the museum, will conduct a half-hour tour of "Agnes Denes: A Retrospective." On Oct. 18 at 2 p.m., Bernard Barryte, curator of the exhibition "In Medusa's Gaze: Still Life Paintings from Upstate New York Museums," will present a lecture on the Johnson Museum's painting, "Vanitas," one of the featured works in the show. Also, on Oct. 22 at noon, Frank Robinson, director of the museum, will give a half-hour gallery talk on the Dutch paintings in the exhibition "In Medusa's Gaze."

Children age 7 to 10 are invited to register for the Johnson Museum's Eye Openers program, "Make it with Paper." The two-part workshop will take place Oct. 17 and 24. Children age 7 and 8 will meet from 10 a.m. to noon; children ages 9 and 10 will meet from 1 to 3 p.m. Participants will learn about the process of paper making and how artists use this medium to create their works of art. A fee of \$14 for members and \$15 for non-members will be charged; enrollment is limited, and places will be reserved on a first-come, first-served basis. Pre-registration is required.

Hartell Gallery

Paintings by Stan Taft, through Oct. 23.

The gallery is located in Sibley Dome and is open Monday through Friday, 8 a.m. to 5 p.m.

Olive Tjaden Gallery

Paintings by Ronda Lynch, through Oct. 17. Photography by Adra Valentine, Oct. 18.

through 24.

The gallery is located in Tjaden Hall and is open Monday through Friday, 9 a.m. to 5 p.m.

Willard Straight Hall Art Gallery

"Fantastic Realism: Art Photography by Mary Reppy," Oct. 19 through 30. An opening reception will be held Oct. 19 from 5:30 to 7 p.m.

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 Monday Night Film Club (9:30 p.m.), \$3 for all; Thursdays, \$3.50 for all; Saturday Ithakid Film Festival, \$2 and \$1.50 under 12; and Sunday Matinees, \$3.50. All films are held in Willard Straight Theatre except where noted.

Thursday, 10/15

"Trash" (1970), directed by Paul Morrissey, shown with "GDR - Untitled," 4:15 p.m.

"Truth or Dare" (1991), directed by Alex Keshishian, with Madonna, 7:20 p.m.

"Sister Act" (1992), directed by Emile Ardolino, with Whoopi Goldberg, Maggie Smith and Harvey Kietel, 10 p.m.

Friday, 10/16

"Locked Up Time" (1991), directed by Sibylle Schoneman, 7:30 p.m.

"Gentlemen Prefer Blondes" (1953), directed by Howard Hawks, with Marilyn Monroe and Jane Russell, 7:30 p.m., Uris.

"Thunderheart" (1992), directed by Michael Apted, with Val Kilmer, Graham Greene and Sam Shepard, 9:40 p.m.

"Sister Act," 9:40 p.m. and midnight, Uris.

Saturday, 10/17

"Locked Up Time," 2 p.m.

"Incident at Oglala" (1992), directed by Michael Apted, 7:10 p.m.

"The Playboys" (1992), directed by Gillies MacKinnon, with Albert Finney, Aidan Quinn and Robin Wright, 7:30 p.m., Uris.

"Thunderheart," 9:10 p.m.

"Sister Act," 10 p.m., Uris.

"Truth or Dare," midnight.

Sunday, 10/18

"D'Ghetto Eyes" (1992), with special guest Cheryl Dunye, 2 p.m., Johnson Museum, free.

"Sister Act," 4:30 p.m.

Anthropology Department's 30th anniversary screening, 7:30 p.m., Uris, free.

"The Playboys," 8 p.m.

Monday, 10/19

"East Timor" (30 minutes), Southeast Asia Film Series, comments by Professors Ben Anderson and Takashi Shiraishi, 4:30 p.m., George McT. Kahin Center, 640 Stewart Ave., free.

"The Playboys," 7:05 p.m.

"Suddenly Last Summer" (1959), directed by Joseph Mankiewicz, with Elizabeth Taylor and Katharine Hepburn, 9:30 p.m.

Tuesday, 10/20

"Incident at Oglala," 7:45 p.m.

"Thunderheart," 10 p.m.

Wednesday, 10/21

"Kino Der Obsessionen" (1989), with guests Wilhelm Hein and Annette Fricke, 7 p.m.

"The Children's War" (1990) and "Benedita Da Silva" (1990), Latin American Film Series, 8 p.m., Uris, free.

"Batman Returns" (1992), directed by Tim Burton, with Michael Keaton, Michelle Pfeiffer and Danny DeVito, 10 p.m.

Thursday, 10/22

"Quadrophonia" (1979), directed by Franc Roddam, with Sting, Phil Daniels and Mark Winget, 7:20 p.m.

"Batman Returns," 10 p.m.

LECTURES

A.D. White Professors-at-Large

"The U.S. Stake in the Global Environment," Norman Myers, consultant in environment and development, World Bank, World Wildlife Fund, Mobil Oil, U.S. Departments of State and Energy, and A.D. White Professor-at-Large, Oct. 15, 7 p.m., G-10 Biotechnology Building.

"Aesthetic Dualism: From Antiquity to Modernism," Donald Kuspit, professor of art history, SUNY Stony Brook, and A.D. White Professor-

U.S. premiere of newly discovered sonata to be performed in Barnes Hall Oct. 17

Violinist Sonya Monosoff and pianist Susan Kagan will perform works by Beethoven and Schubert and a recently discovered work by the Archduke Rudolph of Austria, Beethoven's greatest patron and his only long-time student, on Saturday, Oct. 17, at 8:15 p.m. in Barnes Hall.

In 1978, while doing research in Czechoslovakia for her book, *Archduke Rudolph, Beethoven's Patron, Pupil and Friend*, Kagan discovered autographed copies of works by the archduke, and she later found complete manuscript copies of Rudolph's Violin and Piano Sonata in F Minor in the collection of the Vienna "Friends of Music," to whom the archduke had bequeathed his huge music library.

The world premiere of the newly-discovered sonata was given in Prague in 1989 by

Kagan and Josef Suk, world-famous violinist and great-grandson of Antonin Dvorak. The American premiere will be here in Ithaca.

Beethoven dedicated many works to the archduke, including the "Archduke" Trio, op. 97, and the Sonata in G Major, opus 96, which will be performed by Kagan and Monosoff. Schubert's Sonata in D Major, Op. 137, is also on the program.

Monosoff, a professor in the music department, performs the great baroque and classical violin repertory on period instruments and tours worldwide, giving lectures/recitals, concerts and master classes.

Kagan, a performer, scholar and critic, performs widely as a recitalist and chamber musician and teaches music history at Hunter College in New York City.

German song cycles to be sung this month

Two masterpieces of 19th-century song literature, *Italienisches Liederbuch* by Hugo Wolf and *Die Winterreise* by Franz Schubert, will be performed this month by members of the Music Department faculty and guest artists.

Soprano Judith Kellock, who teaches voice here, and tenor Paul Sperry, will perform *Italienisches Liederbuch* with pianist Margo Garrett on Friday, Oct. 16, at 8:15 p.m.

Pianist Malcolm Bilson, who teaches fortepiano here, and bass-baritone David Thomas will perform *Die Winterreise* on Tuesday, Oct. 20, at 8:15 p.m.

Both concerts will be in Barnes Hall and will be free and open to the public. Bilson and Thomas will repeat their concert Oct. 22 in New York City's Merkin Concert Hall.

"Unlike opera, where the voice is more prominent, *lieder*, or song singing, is a duet between the pianist and the singer — the vocal version of chamber music," Kellock said.

These two song cycles, one at the beginning and the other at the end of the 19th century, are excellent examples of German vocal music, she added.

Kellock, who came to Cornell last year

from the New England Conservatory of Music, has made her career as a concert singer, performing with the Minnesota Orchestra, the St. Louis Symphony, the Brooklyn Philharmonic, the Theatre de la Monnaie in Brussels and with opera companies in Italy and Greece.

Bilson, who has taught at Cornell since 1968, is known throughout the world for his performances of 18th-century keyboard music performed on Viennese fortepianos. He has given numerous solo and chamber music concerts in this country, Canada, Europe, New Zealand and Japan and has made dozens of recordings.

Thomas, a well-acclaimed English bass-baritone, specializes in *lieder* repertory, and he has advanced performance practice in this area. Sperry has also spent his career championing *lieder* repertory. Garrett, who has accompanied many well-known singers, is establishing a program in vocal accompanying at the University of Minnesota.

Bilson will perform on an 1842 Bosendorfer piano. While built some 15 years after Schubert's death, it is similar to the instruments he would have known and written for.



Judith Kellock



David Thomas

at-Large, Oct. 15, 8 p.m., 265 Martha Van Rensselaer Hall.

Africana Studies

"People of Color and Employment in the U.S.," Robert L. Harris Jr., Africana studies, Oct. 20, noon, Hoyt Fuller Room, 310 Triphammer Road.

Bartels World Affairs Lecture

"Africa in a Changing World," Gen. Olusegun Obasanjo of Nigeria, the first African military ruler to relinquish power voluntarily, Oct. 21, 7:30 p.m., Conference Room, Biotechnology Building.

Chemistry Baker Lectures

DNA Analysis from Genomes to Sequence Part II: Large Scale DNA Analysis: "DNA Sequencing Strategies," Oct. 20, and "Prospects for DNA Sequencing by Hybridization," Oct. 22, Charles Cantor, Boston University, 11:15 a.m., 200 Baker.

English

"B/O — Barthes' Text/O'Hara's Trick," Gregory Bredbeck, University of California, Riverside, Oct. 15, 4:30 p.m., 156 Goldwin Smith.

European Studies

Germany after Unification Lecture Series: "Europe and German Hegemony," Andrei Markovits, Boston University, Oct. 16, 12:15 p.m., 153 Uris Hall.

"The Break-up of Czechoslovakia Through the Prism of Public Opinion," Sharon Wolchik, George Washington University, Oct. 19, 12:15 p.m., 153 Uris Hall.

Einaudi Lectures on the History of the Body I: "Seeing the Unborn: The Impact of Visualization Technologies of the Fetus on Women's Self-Perception," Barbara Duden, Institute for Advanced Studies, Essen, Germany, Oct. 19, 4:30 p.m., 153 Uris Hall.

Hatfield Fund to Enhance Undergraduate Education

As part of the lecture series, "Nutrition and Agriculture: Is a Healthy Marriage Possible?" Acting Assistant Secretary of Agriculture Ann Chadwick will present the U.S. Department of Agriculture's perspectives, Oct. 21, 8 p.m., Statler Auditorium.

History

"Prints and Revolution: The Origins of Modern Political Culture in France," Rolf Reichardt, University of Mainz, Oct. 20, 4:30 p.m., Guerlac Room, A.D. White House.

Hotel Administration

Andy Raubeson, executive director of SRO [Single Room Occupancy] Housing Corp., Los Angeles, Oct. 22, 11:55 a.m., 465 Statler Hall.

Plantations

"Plants a Traveler Meets: Natives or Exotics?" Howard Evans, veterinary anatomy, Oct. 15, 7:30 p.m., Lewis Headquarters Building, Cornell Plantations.

"Classic English Gardens," Raymond Fox, floriculture & ornamental horticulture, Oct. 22, 7:30 p.m., Lewis Headquarters Building, Cornell Plantations.

Psychology

James J. Gibson Lectures

"Visual Perception and Motor Competencies: New Developments of an Old Idea," Paolo Viviani, Universite de Geneve, Oct. 16, 4 p.m., G-08 Uris Hall.

Society for the Humanities

"Whitman Drunk," Michael Warner, Rutgers University, Oct. 19, 5 p.m., Guerlac Room, A.D. White House, co-sponsored by English and the lesbian, bisexual and gay studies group.

South Asia Program

"Modern Issues in Pakistan," Syeda Abida Hussain, ambassador of Pakistan, Oct. 19, 7 p.m.,

Continued on page 6

WorkPlace

Sharing human resource perspectives

Produced by University Human Resource Services

Engaging and Educating in Diversity The Cornell Interactive Theatre Ensemble

Editor's Note: This past Monday was Columbus Day. For some, it was a celebration of Columbus's discovery of a "new world"; for others, it was a reminder that his voyage was but the beginning of the disenfranchisement and exploitation of the many peoples already living there. However, the important question for our time may not be, "which of these interpretations is true?" but "can we understand the frameworks of values and concepts that created these divergent perspectives? Can we ourselves engage in diversity by seeing from multiple frames of reference?"

In a study on managerial competencies, Henry M. Havassy defines this process: "Engaging diversity' is a complex process that includes interacting and meshing with different perspectives, accepting and dealing with the differences rather than trying to unify or gloss over them. It entails a commitment to maintain, master and use the diversity of perspectives."¹ A 1965 Cornell graduate and associate professor of education and psychology at the Claremont Graduate School, Daryl G. Smith defines this commitment as "cultural pluralism," signifying "a society and community in which diversity is valued and in which difference can coexist with the concept of community."²

Today's issue of The Cornell Workplace focuses on the ways in which the Cornell Interactive Theatre Ensemble endeavors to educate the Cornell community and other organizations and businesses in engaging in diversity. Using scenarios to depict certain characters and situations, the Cornell Interactive Theatre Ensemble helps their audiences to examine and understand the values, assumptions, and frames of reference that may shape or influence interpersonal work relationships. As Beth I. Warren, associate vice president for human resources, noted in her October 1, 1992 article, "Reflections on the Horizon," we need to be able to look at the world in new ways, through new lenses, if we are to develop the flexibility that will enable us to cope with change: "continuous real learning is important because it enables us to reframe our questions and our searches for creative solutions in ways that give us—both as individuals and as an organization—the flexibility to respond to the many rapid changes that are taking place in



Chiffonye Cobb portraying Gloria Reed in "The Invisible Barrier"

the world around us."³ The Cornell Interactive Theatre Ensemble contributes vitally to that reframing process.

Interactive Theatre: A Resource for Education in Diversity

Gloria, a new black engineer, is frustrated after meeting with her white male supervisor, Charles. Charles has been working with most of his staff for about ten years, and is currently asking a number of them to be part of a team to work on a new project that has high visibility. In her meeting with Charles, Gloria learned that she has not been asked to be part of that team, and that Charles has assigned a black secretary to help her in her work. Gloria feels that Charles is not really confident in her abilities as an engineer, and cannot move beyond the stereotype of thinking of women as support staff; Charles feels that if he takes a risk with Gloria and she fails, it will reflect badly on him and he will be accused by his peers of reverse discrimination

A long-time employee, Larry, now in his mid-40s, finds out from his younger supervisor, Anne, that he has not been selected to go to an important seminar. Larry, who

describes himself as a diligent workhorse, is stunned to learn that Anne does not consider him to be "management material." In her own mind, Anne has justified her decision not to send him by saying that the seminar doesn't really apply to his level of work, but to hers, and that he would find the seminar boring and irrelevant

Patricia, a 30-something dressed-for-success lower-level manager, is being interviewed by Donald, middle-aged and dressed in a conservative blue suit, for promotion to top management. Donald wonders whether "an attractive woman like yourself" might "find it uncomfortable to supervise a group of men." He calls her "Patty" throughout the interview, and when they wrap up the interview Donald offhandedly asks her what her husband does for a living. . . .

If these situations sound familiar, that may explain why Cornell's Interactive Theatre Ensemble (CITE) has such an active and full calendar of workshops to present both at Cornell and at other companies and organizations across the nation. Applying interactive theatre techniques to human relations issues, the Cornell Interactive Theatre Ensemble performers involve their audience in recognizing some of the typical workplace situations and attitudes that create unconstructive working relationships in diverse workplaces and classrooms, and in exploring ways in which these relationships and interactions could be more constructive.

The Cornell Interactive Theatre Ensemble workshops—generally

(continued on p. 2)



Health Fair '92 to Be Held Wednesday October 21,
11:00 a.m.-6:00 p.m. in the Alberding Field House.

After the great success of Health Fair '91 and the participation of many Cornell staff, students, and faculty members and Ithaca community residents, the Cornell Wellness Program is holding Health Fair '92 this year on Wednesday, October 21. Exhibits and information will be available and demonstrations held throughout the day between 11:00 a.m. and

6:00 p.m. at the Alberding Field House. All faculty, staff, and students are invited to stop by. Health Fair '92 is free and open to the public. There will be door prizes.

The following will be available:

American Heart Association: Blood pressure screening

(continued on p. 2)

Interactive Theatre

(continued from p. 1)

two-to-four hours in length—heighten their audiences' awareness of racism, sexism, sexual harassment, heterosexism and homophobia, attitudes about disabilities, ageism, classism, ethnocentrism, and elitism, by re-enacting human situations in short scenarios. After each scenario, the actors remain in character to interact with the audience. The ensemble's facilitator, Sandra Carrington, serves as monitor of this interaction, allowing participants to explore the motivations, feelings, and effects of the behaviors portrayed by the performers from multiple points of view.

Having audiences respond to the actions, attitudes, and language portrayed by the characters in the scenarios makes it easier for the audience to analyze and openly discuss these situations and their implications without feeling "put on the spot." During the final discussion period, Sandra Carrington asks the participants to identify with the viewpoint of each of the characters—to empathize with each of them—in order to sort out what happened and to consider a variety of solutions. "It is important to return the problem to the audience," Sandra Carrington notes, "so that they can strategize about how they would prevent or handle such a problem in their own places of work—whether their role is one of supervisor, staff, colleague, student, or faculty member."

Although interactive theatre techniques have been used since 1987 at Cornell in human relations education (or "training" as they say in the corporate world), the Cornell Interactive Theatre Ensemble was officially formed in January 1992 as a unique Cornell resource dedicated to this approach. The ensemble has developed over 20 scenarios that can be adapted to the specific needs of the participant group, and has received recognition for its work with Xerox Corporation in the *Los Angeles Times* and the *Wall Street Journal*. It currently has four staff: Martha L. Dewey, director, who has taught in the departments of speech and/or theatre at Ithaca College, the University of Illinois, Illinois Wesleyan University, and in the Religion and the Arts Program at Yale Divinity School; Sandra Carrington, associate director, formerly a specialist in University Human Resource Services, with an M.B.A. from Texas A&M University; Chiffonye Cobb, actor and fourth-year artist-in-residence with Cornell's Department of Theatre Arts, and Max Fury, actor and third-year artist-in-residence and teaching associate in Cornell's Department of Theatre Arts.

This fall Cornell Interactive Theatre Ensemble will be presenting

programs to TRW, Xerox Corporate Headquarters, the Center for Ethics and Corporate Policy (Baltimore), the Center for Creative Leadership (Greensboro, NC), a meeting for the Society of Human Resource Managers (Buffalo) and the national convention of the College and University Personnel Association (CUPA), in Philadelphia.

Their calendar of Cornell-focused programs is equally hectic, including student orientation programs for the Johnson Graduate School of Management and the Law School, programs for the Employee Assembly, the Deans Council, Family Weekend, the chemistry department and the engineering faculty, an undergraduate class in Human Service Studies, the Office Professionals Curriculum, and the ILR Extension Associates, Roscoe, NY.

If you are interested in asking the Cornell Interactive Theatre Ensemble to hold a workshop for your department or organization, you should contact Sandra Carrington, associate director, or Martha Dewey, director, at 254-2759, to discuss the needs and issues of your department. "I would strongly encourage departments

within the Cornell community to take advantage of this unique and highly relevant educational opportunity," says Beth Warren. "In today's world, to simply 'add and stir' is not enough when organizations are dealing with issues of diversity." Beth Warren notes in particular the conclusions Daryl Smith makes in her monograph, *The Challenge of Diversity*:

Whether or not the melting pot will be the metaphor for pluralism, embracing diversity in all its obvious and subtle forms will be its necessary ingredient. Nearly 400 years ago, the poet John Donne observed that the loss of one person represents more than the loss of one small piece of humanity: it represents a loss to all of humanity. Donne's ancient bell tolls still, for clearly the issues of diversity have significance beyond those of the disenfranchised, beyond communities that exclude rather than include. If higher education is to meet the needs of all of its constituents, these issues must be confronted—not just because they are important to a special group but because they are vital to all institutions and the nation.⁴

¹ Henry M. Havassy, "Effective Second-Story Bureaucrats: Mastering the Paradox of Diversity," *Social Work: Journal of the National Association of Social Workers* 35, no. 2 (March 1990): 106.

² Daryl G. Smith, *The Challenge of Diversity: Involvement or Alienation in the Academy?* Report No. 5 (Washington, D.C.: School of Education and Human Development, The George Washington University, 1989), 37.

³ Beth I. Warren, "Reflections on the Horizon: Learning and Living with Change," *The Cornell Workplace* 1, no. 5 (October 1, 1992), 1.

⁴ Smith, 73.

Bulletin Board (continued from p. 1)



Debbie Gatch, Wellness staff member, shows Doreen Dineen, accounts assistant in Microbiology, a sample of the many Wellness materials available at the '92 Healthfair

American Cancer Society: Information on cancer prevention

American Red Cross: First aid and CPR information

Alcoholics Anonymous: Information

Child Care Issues: Day Care Council, International Cesarean Awareness Network; Work and Family Services

CLASP Literacy Project: Information

Dr. Ralph Bishop: Cataract and glaucoma screening (2:00-6:00 p.m.)

Dr. Willian Buffone, Dr. Evan Meltzer: Foot examinations

Elder Care Issues: Hospicare, Tompkins County Office for the Aging

Exercise Information: Adirondack Mountain Club, Cayuga Trails Club, CU Outdoor Education, CU Uni-

fied Rowing Club, Finger Lakes Trail Conference

Gannett Health Center: AIDS Awareness, Human Sexuality Issues, Back to Basics, Bicycle Safety

New York State Police: Home/Personal Safety Issues, Seat Belt Convincer

Nutritional Information: Greenstar Co-op, Healthy Heart, Oasis Natural Foods

Disability Awareness

Stress Management: Employee Assistance Program (EAP), Transcendental Meditation Program, CU Alternative Library

Dr. Philip Harris, Dr. Robert MacKenzie, Surgical Associates (12:00-4:00 p.m.): Breast examinations, sample mammograms, laproscopic surgical techniques

Tompkins Community Hospital (11:00 a.m. -4:00 p.m. only): Blood cholesterol (\$6), body composition (\$6), lung function testing

Special demonstrations will also be held:

12:00-12:30 p.m.: High and low impact aerobics

12:30-1:00 p.m. African dance

5:00-6:00 p.m. Aikido

4:30-5:00 p.m. Step box aerobics

Call 255-5133 for information.



Maurice Haltom, (right) African dance instructor, performs with other members

Weight Watchers at Work

The next Weight Watchers series begins on October 28, 1992. There will be two classes held. The first class will be 12-1:00 p.m. in Caldwell Hall; the second will be 1-2:00 p.m. in Caldwell. New members can also register on Week 2 of the series, November 4, 1992. For more information call 1-800-234-8080

CAREER Opportunities

Employment Services, 160 Day Hall, Cornell University, Ithaca, NY 14853-2801
 Day Hall: (607) 255-5226
 East Hill Plaza: (607) 255-7422

- Employees may apply for any posted position with an Employee Transfer Application. A resumé and cover letter, specifying the job title, department and job number, are recommended. Career counseling interviews are available by appointment.
- Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Candidates should submit a completed and signed employment application which will remain active 4 months. Interviews are conducted by appointment only.
- Employment Services will acknowledge receipt of all material by mail. Hiring supervisors will contact those individuals selected for interview by phone; please include two or more numbers if possible. When the position is filled, candidates should receive notification from the hiring supervisor.
- Cornell University is an equal-opportunity, affirmative-action educator and employer.
- Career Opportunities can be found on CUINFO

Please note the following different procedures for each category of positions:

- **Nonacademic professional positions encompass a wide variety of fields including management, research support, computing, development, finance and accounting, dining services and health care.** All external candidates must have a completed signed employment application on file with Employment Services before they can be interviewed for a position. Submit a resume and cover letter for each position, specifying the job title, department and job number. Employees should include an Employee Transfer Application.
- **As a prominent research institution, Cornell has a diverse need for laboratory, electro/mechanical and computer support.** Individuals with backgrounds in computer science, biology, microbiology, chemistry, animal husbandry, plant science and medical laboratory techniques are encouraged to apply; applicants with ASCP or AHT licenses are in particular demand. All external candidates must have a completed signed employment application on file with Employment Services before they can be interviewed for a position. Send a cover letter and resume for each position, specifying the job title, department and job number, to Sam Weeks, 160 Day Hall. Skill assessment check lists, available at the Day Hall office, are a valuable aid when applying for computer or laboratory related positions.
- **Approximately half of all university openings are for Office Professionals.** Individuals with secretarial, word processing (IBM PC, Macintosh, Wang, Micom), data entry, technical typing, or medium to heavy typing (45-60+ wpm) are encouraged to apply. Employee candidates should submit an employee transfer application and cover letter, if requested, for each position in which they are interested. All external candidates must have a completed signed employment application on file with Employment Services before they can be interviewed for a position. The submitted application and resume will remain active for a period of four months. During this time, you will be considered for any appropriate openings for which you are competitively qualified. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our EHP office. If you are currently available for employment, you may want to consider temporary opportunities at the University. Please contact Karen Raponi at 255-2192 for details.
- **All external candidates should submit a signed employment application which will remain active for a period of four months.** During this time, you will be considered for any appropriate openings for which you are competitively qualified. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our EHP office. If you are currently available for employment, you may want to consider temporary opportunities at the university. Please contact Karen Raponi at 255-2192 for details.

Professional

Software Program Coordinator (PT4102) Level 34

CIT/Sales and Support-Endowed
 Posting Date: 10/15/92

Assist in administration of CIT software contracts program. Act as librarian for specific software. Provide technical expertise to Cornell users on microcomputer/workstation systems, networks and applications software.

Requirements: BS degree or equivalent. Extensive experience with a range of information technologies, software products and operating systems including UNIX desirable. Experience in service or consumer products helpful. Excellent interpersonal, communications and managerial skills. Interest in expanding knowledge of complex software products to maintain effectiveness. Send cover letter and resume to Sam Weeks.

Systems Programmer/Analyst III (PT3803) Level 34

Computer Science-Endowed
 Posting Date: 9/24/92

Maintain, install, integrate and create computer programs in the computing facility of the design research institute. Install new systems and applications from commercial and public domain sources on sun workstations. Design, implement and document user interfaces using x-window systems. Provide consulting and support.

Requirements: BS or equivalent in computer science, mathematics, or equivalent combination of education and experience. 2-3yrs. experience with common LISP, writing C programs on UNIX and X-window system. Familiarity with Emacs text editor; GNU Emacs LISP; and user interface design

and modification. Send cover letter and resume to Sam Weeks.

Director of Development (PA4106) HRII

Public Affairs/Arts and Sciences-Endowed
 Posting Date: 10/15/92

With the director of public affairs, plan, develop and implement the college of arts and sciences public affairs program. During the 5yr. Cornell campaign, particular attention will be spent on the effort to raise \$200 Million for the college of arts and sciences.

Requirements: Bachelor's degree or equivalent required. 5-7yrs. professional development experience. Strong interpersonal and written and verbal communication skills. Ability to manage multiple priorities with strict deadlines. Publication production or media background desirable. Send cover letter and resume to Cynthia Smithbower.

Conference Coordinator I (PA3904) HRI

Lab of Nuclear Studies-Endowed
 Posting Date: 10/1/92

Plan, organize, schedule and coordinate services, activities, staff and facilities for a large international conference including contractual arrangements, housing, transportation, dining, physical facility needs and social events. Assist with preparing publication materials, conference budgets, and accounting and financial reports. This position will be half-time from November 1, 1992 through April 30, 1993 and full-time from May 1, 1993 through August 31, 1993.

Requirements: A.A.S. degree or equivalent required. 2-3yrs. related experience required. Bachelor's degree preferred. Previous conference organization helpful. Excellent organizational, interpersonal and

communication skills are necessary. Send cover letter and resume to Cynthia Smithbower.

Executive Staff Assistant II (PC4110) HRI

Plant Breeding and Biometry-Statutory
 Posting Date: 10/15/92

Provide staff assistance to the executive director of International Service for the Acquisition of Agribiotech Applications. Prepare and write highly sensitive reports; coordinate telecommunications; prepare accounting reports; train, supervise, and evaluate office staff; coordinate schedules; develop policies; maintain confidential records. Available as long as funding lasts.

Requirements: BS degree or equivalent in business or related international area. 5-7yrs. related experience. Requires independent judgement. Skillful communication techniques. Originality and accounting skills. External applicants send cover letter and resume to Esther Smith, Employment Services,

East Hill Plaza #2. Employees should include employee transfer application.

Facilities Coordinator (PA4104) HRI

Veterinary Administration-Statutory
 Posting Date: 10/15/92

Provide staff expertise for the college of veterinary medicine and its departments in planning and supervising the modification of existing facilities or the construction of new facilities. Coordinate activities and provide central support on issues related to safety, security, and general use of college facilities and their surrounding environment.

Requirements: Associates degree or equivalent. Technical training required. Bachelors degree or equivalent preferred. Minimum 3-5yrs. experience in facilities management/coordination with preference to candidates whose experience has been in an educational or medical facility. Send cover letter and resume to Cynthia Smithbower.

The Cornell Workplace

Mission of University Human Resource Services: "to advance the practice of human resource management in the Cornell workplace."

EDITOR: Nancy Doolittle, 255-3541 PRODUCTION: Cheryl Seland, 255-6890
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Cornell University is committed to assisting those persons with disabilities who have special needs. A brochure describing services for persons with disabilities may be obtained by writing to the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, NY 14853-2801. Other questions or requests for special assistance may also be directed to that office.

Pipe Shop Trades Supervisor (PG2402) HRI**Maintenance and Service Operations-Endowed****Posting Date: 10/8/92 Repost**

Supervise the Maintenance and Service Operations Pipe Shop which includes: 30 welders, steam fitters, and plumbers who perform work on water, sewer, and steam systems on the Cornell campus.

Requirements: Must have 7yrs. experience in the plumbing field. Must be able to become a registered plumber with the city of Ithaca and must maintain a valid NYS drivers license. Proven history of management experience. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include and employee transfer application.

Executive Staff Assistant (PC3901) HRI**Human Development and Family Studies-Statutory****Posting Date: 10/1/92**

Provide administrative support for Cornell youth and work program. General administrative responsibilities including correspondence, accountability supervisor, publications, newsletter, and project development.

Requirements: Bachelor's degree or equivalent and 2-3yrs. related experience. Knowledge of wordperfect 5.1. Ability to work independently and under pressure. Excellent organizational, interpersonal, and communication (written and oral) skills. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

Research Support Specialist I (PT3605) HRI**School of Chemical Engineering-Endowed****Posting Date: 9/10/92**

Design and conduct experiments involving differentiated cells and vesicles. Provide support to a research group (primarily graduate students) in instruction in maintenance of analytical devices, and in appropriate laboratory procedures. Perform and assist in experiments using radiolabels. Establish and maintain primary cell lines. Operate HPLC and Coulter Counter. Perform ELISA and gel electrophoresis (DNA and protein gels). Maintain equipment.

Requirements: B.S. or equivalent in biochemistry, cell biology, microbiology or related area. Experience with mammalian cell tissue culture is essential. At least 2yrs. as laboratory technician is desirable. Send cover letter and resume to Sam Weeks.

Applications Programmer II (PT2205) HRI**Section of Ecology and Systematics-Statutory****Posting Date: 9/3/92 Repost**

Design and code (in C++) the porting of an existing DOS-based database applications to UNIX, Windows, or Macintosh for the MUSE project. Provide programming documentation. Provide fixes for system bugs.

Requirements: BA or equivalent experience in computer science required. Minimum of 2-3yrs. of C and C++ programming experience. Requires experience programming user interfaces on at least two of the following platforms: DOS, UNIX,

Macintosh, Windows. Database programming experience desirable. Send cover letter and resume to Sam Weeks.

Professional Off-Campus**Research Support Specialist I (PT4110) HRI****Food Science and Technology/Geneva-Statutory****Posting Date: 10/15/92**

Develop analytical methods for pesticides and other chemicals in water and agricultural products. Document and prepare written procedures for publication and regulatory use. Research and develop analytical methods for the determination of pesticides and other chemicals in and on water and agricultural products by HPLC, GLC, GC/MS and immunoassay. Maintain facilities, equipment, supplies and inventory.

Requirements: Bachelor of science degree or equivalent in chemistry or related field required. 3-5yrs. related experience with immunoassay methods, flow-injection analysis, and analytical chemistry desirable. Research experience and good writing/communication skills essential. Computer skills desirable. Send cover letter and resume to Sam Weeks.

Professional Part-Time**Extension Support Specialist III (PA4107) HRII****Agricultural Economics-Statutory****Posting Date: 10/15/92**

Provide primary staff leadership in expanding the Cornell business retention and expansion (BR&E) program in NY counties. Initiate, monitor, and support county based BR&E programs, including: assisting local task force development, coordinating survey administration and data development, and writing R&E reports. Oversee the development of program materials, coordinate other university program support and assist in planning and conducting new program initiatives. 2yr appointment. Continued employment contingent upon funding and need.

Requirements: BA in relevant field of study or equivalent required. Minimum 4yrs. experience in county cooperative extension or other related professional experience. Familiarity and experience in initiating and developing local business retention and expansion programs, and in community planning and organizational development desirable. Send cover letter and resume to Cynthia Smithbower.

Assistant Coordinator, CIVITAS (PA4103) HRI**Cornell United Religious Work-Endowed****Posting Date: 10/15/92**

Under the supervision of the coordinator, initiate and develop a student managed volunteer program to serve the human service organizations and public schools of Tompkins county. Supervise writing of weekly ad in the Cornell Daily Sun; supervise maintenance of community service bulletin board; contribute to public service newsletter. Organize and assemble information for annual report Monday-Friday, 9 1/2 months, 1pm-5pm.

Requirements: Bachelor's degree or equivalent, preferably with a major in the social sciences or related field. Background in coun-

seling and student personnel work. Awareness and knowledge of the Ithaca community, especially human service agencies and the school system. Familiarity with the university; ability to related well with college students; excellent listening skills. Familiarity with Macintosh. Send cover letter and resume to Cynthia Smithbower.

Professional Temporary**Editor/Designer (S3001)****Agriculture and Biological Engineering-Statutory****Posting Date: 7/30/92**

Edit manuscripts for engineering-related cooperative extension publications. Make grammatical and structural changes as necessary; write news releases; design and proof publications; prepare mechanicals for delivery to printer; assist in performing clerical-administrative tasks.

Requirements: Bachelor of Science emphasizing writing, editing and design of technical information for a general audience. Must be familiar with macintosh; experience with pagemaker desirable. Send cover letter, resume, 2 writing samples and 1 design sample to Karen Raponi, Employment Services, East Hill Plaza #2.

Professional Part-Time Temporary**Student Development Specialist I (PA4105)****JGSM-Endowed****Posting Date: 10/15/92**

Provide administrative leadership in the development of a network of alumni and friends interested in entrepreneurship. Coordinate internship programs focused on small business. Develop database. 1yr appointment.

Requirements: Bachelor's degree or equivalent required. Several yrs. experience in development and administration of alumni programs. Strong organizational skills, ability to work independently. Familiarity with Cornell public affairs system and Macintosh computer abilities necessary. Send cover letter and resume to Cynthia Smithbower.

Temporary Part-Time Applications Programmer (PT3806)**Albert R. Mann Library-Statutory****Posting Date: 9/24/92**

Provide technical and systems support for large scale electronic journals research project including UNIX operating system configuration and maintenance; network configuration; applications software installation and configuration; and file system management. Some work with 3rd party hardware peripheral installation and management.

Requirements: BS degree or equivalent. Experience with UNIX operating system configuration and maintenance, TCP/IP network management, and maintenance of a large scale mass storage installation. Programming with shell scripts, AWK, SED, some C, and x-windows experience desirable. Good oral and written communication skills and proven ability to work with a team. Send cover letter and resume to Sam Weeks.

Technical**Technician GR19 (T3602)****Animal Science-Statutory****Minimum Biweekly Salary: \$566.28****Posting Date: 9/10/92**

Provide technical assistance in poultry nutrition research. Perform basic analytical work such as proximate analysis. Use bomb calorimeter, spectrophotometer, atomic absorption, and other analytical instruments. Assist in milling experimental feeds and setting up poultry experiments.

Requirements: Associates degree or equivalent in chemistry or animal science. 1-2yrs experience conducting chemical analyses for nutrition studies. Experience working with common nutritional lab analytical instruments. Ability to lift 60-80 lbs. Send cover letter and resume to Sam Weeks.

Field Technician/Lab Assistant GR20 (T4108)**Quality Milk Promotion Services-Statutory****Minimum Biweekly Salary: \$590.45****Posting Date: 10/15/92**

Provide field technical support to extension veterinarian including surveys, sampling cows, checking milking systems and conferences with dairymen. Input survey and culture data into computer, assist with some clerical duties, occasional laboratory responsibilities, including plating, housekeeping, etc. as needed.

Requirements: AAS degree or equivalent in animal science. 2yrs. dairy farm experience preferred. Certified animal health technician preferred. Knowledge of computer software programs and ability to type. Good communication and interpersonal skills. Send cover letter and resume to Sam Weeks.

Technician GR20 (T3904)**Entomology-Statutory****Minimum Biweekly Salary: \$590.45****Posting Date: 10/1/92**

Provide support for research on the genetics of plant-insect interactions using pea aphids. Assist in developing and implementing experiments on the genetics of the host plant. Assist in protein electrophoresis. Assist in observations of insect behavior. Coordinate insect rearing for experiments. Make field observations and collect insects. Collect data and assist in summarization, statistical analysis and computing of data. Conduct literature searches. Assist in training and supervising staff. Maintain lab order and equipment. Order supplies.

Requirements: BS in biology or entomology. 1-2yrs. related experience. Some computer literacy. Knowledge of Mac computers and training in protein electrophoresis desirable. Valid NYS driver's license. Send cover letter and resume to Sam Weeks.

Technician GR20 (T3405)**Biochemistry, Molecular and Cell Biology-Statutory****Minimum Biweekly Salary: \$590.45****Posting Date: 8/27/92**

Provide technical support to molecular and cell biology research lab working on the effect of oncogenes on cultured cells. Perform basic techniques in recombinant DNA, cell culture, microscopic examination of stained cells, and enzyme and protein assays. Maintain cell culture facility. Keep

accurate records of experiments and write reports.

Requirements: BS degree in biology or equivalent with background in biochemistry and cell biology or cell physiology. 1-2yrs. experience in lab recombinant DNA techniques. Send cover letter and resume to Sam Weeks.

Technician GR21 (T3303)
Diagnostic Laboratory/Clinical Pathology-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 8/20/92

Perform various diagnostic tests in hematology, cytology, chemistry and immunology. Use computer for data entry and retrieval. **Requirements:** AAS in medical technology required. BS in medical technology and ASCP certification. 1-2 yrs. clinical laboratory experience. Send cover letter and resume to Sam Weeks.

Technician GR21 (T3903)
Diagnostic Lab-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 10/1/92

Provide technical support for service, research and teaching projects in diagnostic toxicology. Conduct analysis of toxicants and drug related compounds. Perform thin layer, liquid, and gas-liquid chromatography; atomic absorption, and other analytical techniques. Maintain integrity of samples and chain of custody. Prepare reagents. Order supplies.

Requirements: BS in science or equivalent experience required. 1-2yrs. lab experience. Typing and computer skills helpful. Send cover letter and resume to Sam Weeks.

Computer Operator GR21 (T3804,5)
CIT/CR-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 9/24/92

Operate large scale computer systems and associated peripheral equipment. Monitor data communications network. Consult with vendor engineers and department support staff. Verify and mount magnetic volumes as requested by users. Attend job related courses and seminars.

Requirements: A.A.S. or equivalent combination or education and experience in large data processing facilities required. Computer operating experience with minimum 3yrs. related data communications experience helpful. Knowledge of computer hardware, software operating systems and programming languages. Send cover letter and resume to Sam Weeks.

Technician GR21 (T3701)
Avian and Aquatic Animal Medicine-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 9/17/92

Perform various virological and immunological assays in a research laboratory, including cell cultures, virus isolations, cell-mediated cytotoxicity assays, preparations of media and reagents. Handling and inoculation of experimental animals (mostly chickens) and collection of samples. Order and prepare media and reagents. Assist grad students.

Requirements: Bachelor's degree or equivalent in immunology, microbiology or related field. At least 2yrs. experience in a research laboratory including handling of radioisotopes and cell cultures. Experience with sterile techniques. Equipment: ultracentrifuges, gamma and beta counters, spectrophotom-

eters, microscopes, etc. Send cover letter and resume to Sam Weeks.

Technical Off-Campus

Technician GR18 (T4109)
Horticultural Sciences/Geneva-Statutory

Minimum Biweekly Salary: \$542.89
Posting Date: 10/15/92

Provided technical assistance to a USDA evaluation project. Document how *Vitis riparia* accessions acclimate to cold temperatures in the fall and early winter. Collect canes and prepare them for cold hardiness measurements. Do differential thermal analysis. Determine individual bud freezing events. Record and summarize data.

Requirements: High school diploma or equivalent. 2-6 months additional training. Minimum 1yr. related experience. Computer skills. Send cover letter and resume to Sam Weeks.

Laboratory Technician GR20 (T4101)

Quality Milk Promotion Services/Geneseo-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 10/15/92

Provide technical microbiology lab and administrative support for a veterinarian and field technicians promoting quality milk. Culture milk samples for isolation of mastitis causing organisms. Perform microscopic examination of stained films or wet preparations. Identify mastitis organisms biochemically and serologically. Perform antibiotic sensitivity tests. Perform brucellosis card tests. Keep accurate records of procedures and results. Enter data into a computer. Clean and sterilize glassware. Maintain stock cultures, equipment and supplies.

Requirements: BS degree or equivalent in microbiology. At least 2yrs. microbiology coursework and experience in diagnostic microbiology. Typing and strong communication skills. Basic knowledge of computer programs: WP 5.1 and Lotus. Ability to work with minimal supervision. Send cover letter and resume to Sam Weeks.

Technical Part-Time

Technical Assistant GR17 (T4107)
Plant Pathology-Statutory
Minimum Biweekly Salary: \$530.38
Posting Date: 10/15/92

Provide technical lab assistance. Maintain fungal cultures. Isolate new fungal samples. Prepare media and solutions. Extract DNA. Provide general lab maintenance. 20hrs/week, flexible.

Requirements: High school diploma or equivalent. Some lab experience using sterile techniques. Careful attention to detail is essential. Send cover letter and resume to Sam Weeks.

Technician GR21 (T4003)
Food Science-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 10/8/92

Provide technical and supervisory support for a microbiology lab. Perform a variety of microbiological methods on foods, particularly fermented dairy products. Work includes maintenance of microbiological cultures and studies on bacterial viruses.

Requirements: BS degree in microbiology or food science, 2-4 yrs. related job experience. Ability to

work independently. Interpersonal and technical skills needed to effectively supervise. Send cover letter and resume to Sam Weeks.

Technical Temporary

Service Research Technician (T4001)

Entomology-Statutory

Hiring Rate: \$7-9.00

Posting Date: 10/8/92

Provide technical support in a laboratory conducting studies in toxicology, molecular genetics, and receptor ligand interactions. Conduct biochemical assays on insects. Order supplies, general laboratory maintenance, data analysis, recordkeeping and library work.

Requirements: BS degree or equivalent in a biological science or relevant course experience. Master's degree or relevant job experience with biochemical assays strongly desired. Send cover letter and resume to Sam Weeks.

Technical Part-time Temporary

Temporary Computer Technician (T3615)

Modern Languages and Linguistics-Endowed

Hiring Rate: \$7.50

Posting Date: 9/10/92

Take on network projects. Install network software, and monitor the system. Provide documentation. Assist the department's teaching staff with installation and training on multimedia hardware and software.

Requirements: Must have strong knowledge of DOS and Mac systems and significant experience with DOS based networks (preferably Novell). Experience with UNIX systems and C. Ability to complete long-term projects without constant supervision. Wiring systems. PC repair, and documentation experience helpful. Send cover letter and resume to Sam Weeks.

Office Professionals

Cashier GR15 (C4101)
Statler Hotel-Endowed
Minimum Biweekly Salary: \$499.20
Posting Date: 10/15/92

Performs cashiering duties in food and beverage outlets. Accurately record the sales and settle the checks for food and beverage outlets. Assist outlet food service personnel as needed. Flexible nights and weekends.

Requirements: High school diploma or equivalent. Must be able to read and write English and possess good basic math skills. Cashiering experience in high-volume setting. Ability to work well with the public. Regular CU employees only. Send employee transfer application, cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2.

Receptionist GR17 (C4003)
Transportation Services-Endowed
Minimum Biweekly Salary: \$530.38
Posting Date: 10/8/92

Answer all incoming telephone calls to the facility, provide transit information to the public, and act as receptionist for the facility.

Requirements: High school diploma or equivalent. Familiarity

with transit operations preferred. Ability to work well with a variety of people in a public setting. Excellent communication (oral) skills required. Pleasant telephone voice essential. Familiarity with micro-computers. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include and employee transfer application.

Preservation Assistant GR18 (C4107)

Preservation/Conservation/Olin Library-Endowed

Minimum Biweekly Salary: \$542.89
Posting Date: 10/15/92

Assist the preservation reformatting librarian of the southeast asian collection in pre- and post-filing procedures. Maintain statistics on items searched, filmed, and cataloged. Supervise the work of student assistants. Appointment until 12/31/94.

Requirements: High school diploma or equivalent. Associates degree preferred. 1-2yrs. related experience. Good interpersonal skills. Excellent organizational and work-flow skills. Attention to detail. Ability to work independently. Previous library experience especially in searching and acquisitions procedure. Knowledge of microfilming techniques and equipment. Computer skills especially IBM-PC and WordPerfect. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

Parts Clerk GR18 (C4004)
Transportation Services-Endowed
Minimum Biweekly Salary: \$542.89
Posting Date: 10/8/92

Without on-shift supervision, maintain and assure the smooth operation of the parts room through receiving, storing, and distributing parts and supplies.

Requirements: High school diploma or equivalent. Previous experience with IBM compatible micro-computers essential. Must be able to work independently. Good knowledge of the methods and procedures used in receiving, storing, and issuing of supplies and parts. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application.

Secretary GR19 (C4010)
Cornell Cooperative Extension-Statutory

Minimum Biweekly Salary: \$566.28
Posting Date: 10/8/92

Provide secretarial/computer support to 3 Cornell extension representatives. Coordinate volunteer data fill requests. Key contact person for office computer technology and troubleshooting. Work with a variety of individuals, ability to work on multi-projects and work as a team member. Monday-Friday, 8-4:30 or 5.

Requirements: High school diploma or equivalent required. Secretarial or business education training preferred. A.A.S. degree preferred. Minimum 2 yrs. related experience. Working knowledge of IBM's; working with WordPerfect and a network system. Medium typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should

include employee transfer application.

**Secretary GR19 (C4008)
Laboratory or Ornithology-Statutory**

**Minimum Biweekly Salary: \$566.28
Posting Date: 10/8/92**

Provide general administrative and secretarial support to the lab's bird population studies program, including the director and research staff. **Requirements:** High school diploma or equivalent. Some coursework in business or secretarial science. 1-2 yrs. related experience. Experience with computers and knowledge of wordprocessing required. Knowledge of database management and spreadsheet programs preferred. Familiarity with graphics and statistical analysis helpful. Knowledge of speedwriting or other note taking skills preferred. Good organizational, interpersonal/telephone skills required. Interest in science/natural history. Medium typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application.

**Accounts Assistant GR19 (C4007)
University Payroll-Endowed**

**Minimum Biweekly Salary: \$566.28
Posting Date: 10/8/92**

Provide assistance in executing the support to the overall payroll function with specific emphasis on service to the University and its employees. Maintain the NYS Disability records. Audit and process Statutory payroll vouchers and the payroll edits.

Requirements: High school diploma or equivalent. Some college coursework preferred. Ability to work well with people. High degree of confidentiality. Experience with PC's. 1-2 yrs. related experience. Light typing. Regular Cornell employees only. Send employee transfer application, cover letter, and resume to Esther Smith, Employment Services, East Hill Plaza #2.

Graduate Field Assistant GR20 (C3021)

**Computer Science-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 10/15/92**

Coordinate the graduate office activities in the department of computer science. Administer the selection and admissions process; plan orientation and recruiting; counsel students in the computer sciences graduate program with regard to curriculum and other academic matters.

Requirements: Associates degree or equivalent. Minimum of 3-4yrs. related administrative experience. Excellent oral, written communication skills. Microcomputer experience essential. Familiarity with Macintosh software a plus. Demonstrated initiative in problem solving skills. Sensitivity and judgement in dealing with personal problems of registered students and assisting in screening potential applicants. Interpersonal skills with a strong emphasis on confidentiality. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application.

**Administrative Aide GR20 (C3014)
University Development-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 10/15/92** **Repost**
Provide administrative and secre-

arial assistance for the office of capital projects. Type, edit and proofread materials. Maintain accurate record of gifts and commitments. Initiate requests for and track gift acknowledgements. Prepare gift reports. Make travel arrangements. Schedule appointments. Assist in preparation of mailings.

Requirements: Associates degree or equivalent. 2-3yrs. related work experience. Bookkeeping/accounting experience desirable. Good typing skills required. Excellent organizational and interpersonal skills. Good command of written and spoken English. Knowledge of macintosh pc helpful. Medium typing. Send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include a employee transfer application.

**Administrative Aide GR20 (C4106)
Veterinary Administration- Statutory**

**Minimum Biweekly Salary: \$590.45
Posting Date: 10/15/92**

Administrative support for selection and admission of students to Doctor of Veterinary Medicine program and for student services. Conduct informal interview, advise candidates, parents of policy and procedure for application to the program; prepare/revise publications; procurement of vendors; generate correspondence and reports for agencies in and outside of college; bill/collect application and matriculation fees; accounting for department.

Requirements: Associates degree or equivalent required. Minimum 2yrs.. administrative/office experience, preferably in higher education setting. Knowledge of Macintosh computer. Excellent organizational, interpersonal, and communication (oral and written) skills. High degree of confidentiality. Heavy typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Accounts Assistant GR20 (C4002)
Transportation Services-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 10/8/92**

Maintain up to date and accurate bookkeeping on all the operation of the public transit center. Prepare billings, payroll, and reconcile all cash receipts.

Requirements: Associate's degree in business/accounting or equivalent. Minimum of 3 yrs. experience in Cornell's accounting system desirable. Skilled in use of microcomputers. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter, and resume to Esther Smith, Employment Services, East Hill Plaza #2.

**Administrative Aide GR20 (C3906)
Financial Planning and Budget Management-Endowed**

**Minimum Biweekly Salary: \$590.45
Posting Date: 10/1/92**

Provide administrative support for the office of financial planning and budget management. Responsibilities include data administration, accounting and technical duties in addition to the function of maintaining a quality office operation.

Requirements: Associates degree or equivalent required. 2-3yrs. related experience. Use of microcomputers for meeting management, electronic mail and word process-

ing. Excellent communication skills for working with many individuals. Light typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Administrative Aide GR20 (C3819)
Division of Nutritional Science/
CFNPP-Statutory**

**Minimum Biweekly Salary: \$590.45
Posting Date: 9/24/92**

Provide administrative assistance and secretarial support to the administrator and accounts assistant of an international food and nutrition policy research program.

Requirements: AA/AAS degree or equivalent. 2-3yrs. previous office experience. Proven ability to work independently. Able to work under pressure and handle many assignments simultaneously. Experience using micro-computers and familiarity with WordPerfect. Excellent grammatical skills. Familiarity with international work preferred. Heavy typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Accounts Assistant GR20 (C3818)
ILR-MP Catherwood Library-Statutory**

**Minimum Biweekly Salary: \$590.45
Posting Date: 9/24/92**

Provide administrative support in area of financial management. Prepare requisitions, review purchase requests for appropriateness, review and approve invoices for book purchases, review direct charges to accounts, record and deposit accounts receivable payments and reimbursed library expenses; maintain computer-generated equipment inventory file; handle telephone calls; assist visitors; assist with circulation department duties during peak periods or in absence of regular staff. Until 6/30/93.

Requirements: Associates degree or equivalent. 2-3yrs. related experience. Ability to use spreadsheet programs (Lotus 1-2-3), WordPerfect, DataPerfect, and EasyFile. Familiarity with Cornell Mainframe and use of NOTIS online catalog fund accounting systems helpful. Medium typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Administrative Aide GR21 (C4104)
Rural Sociology-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 10/15/92**

To design, coordinate and oversee office systems to assist and support the research and extension projects of the farming alternatives program.

Requirements: Associates degree or equivalent. 2-3yrs. experience working on research an extension projects. Familiarity with Macintosh MS word, Pagemaker, and Filemaker. Familiar with NYS agriculture and sustainable agricultural practices. Light typing. Regular CU employees only. Send employee transfer applications, cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2.

**Administrative Aide GR21 (C3902)
Vice President for Finance and Treasurer-Endowed
Minimum Biweekly Salary: \$615.42**

Posting Date: 10/1/92

Provide executive, secretarial, and administrative support to the vice president for finance and treasurer. Oversee, coordinate, and integrate the flow of information and materials through the office; refer inquiries and materials as appropriate; some accounting; maintain calendar; handle correspondence and travel. **Requirements:** Associate's degree or equivalent. 2-3yrs. of executive secretarial experience. Knowledge of Cornell University required. Knowledge of Macintosh computer and software, including Word and Excel is preferred. Excellent organizational and interpersonal skills. Demonstrated oral and written skills. Ability to set priorities and work independently. Highest degree of confidentiality essential. Medium typing. Regular Cornell University employees only. Send employee transfer application, cover letter, and resume to Esther Smith, Employment Services, East Hill Plaza #2.

Accounts Coordinator GR22 (C4005)

**Transportation Services-Endowed
Minimum Biweekly Salary: \$641.92
Posting Date: 10/8/92**

Maintain up to date and accurate bookkeeping on all the operations of the Traffic Bureau; assist the business manager in the preparation of all accounting and payroll statements; reconcile all cash balances.

Requirements: Associate's degree in business/accounting or equivalent. 3-5 yrs. experience required. Familiarity with personal and mainframe computers and knowledge of Cornell's accounting system helpful. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter, and resume to Esther Smith, Employment Services, East Hill Plaza #2.

**Accounts Assistant GR22 (C3914)
Controller's/Accounting-Endowed
Minimum Biweekly Salary: \$641.92
Posting Date: 10/1/92**

Prepare and maintain various computer generated reports. Assign and establish sponsored programs accounts; review budget categories and prepare preliminary analysis for financial reports; follow up on overdrawn accounts and outstanding accounts receivables.

Requirements: Associates degree or equivalent, BS degree in accounting/business field preferred. 2-3yrs. job related experience. Grant and contract experience desirable. Experience with personal computers and business software, EG mainframe, spreadsheets, and database. Excellent organizational skills and service orientation is essential. Regular Cornell University employees only. Send employees transfer application, cover letter, and resume to Esther Smith, Employment Services, East Hill Plaza #2.

**Office Professionals
Part-time**

**Office Assistant GR17 (C4109)
Natural Resources-Statutory
Minimum Full-time Equivalent:
\$530.38**

Posting Date: 10/15/92
Function as receptionist for ICET and provide clerical assistance to administrative aide. Type correspondence, reports, etc.; handle

travel reimbursements; answer telephones; mail; photocopy. Other duties as assigned. Until 9/30/94. 20hrs./week.

Requirements: High school diploma or equivalent. 6 months job related experience. Good organizational and interpersonal skills. Familiar with IBM-PC using WordPerfect 5.1. Medium typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Data Entry Operator GR17 (C4006)
Ecology and Systematics-Statutory**

Minimum Full-time Equivalent: \$530.38

Posting Date: 10/8/92

Responsible for accurate data entry of biological and geographic data into PC database. 20hrs/week, flexible. Until end of grant.

Requirements: High school diploma or equivalent required with some college coursework in biology, science, or natural history preferred. 1 yr. of experience in data entry using personal computer. Medium typing. External applicants send cover letter, resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application.

Secretary GR17 (C3814)

Art-Endowed

Minimum Full-time Equivalent: \$530.38

Posting Date: 9/24/92

Coordinate the Olive Press Project; arrange meetings; schedule reservations; accounts payable/receivable; answer telephone; type correspondence. M-F, 4hrs/day.

Requirements: High school diploma or equivalent. 6 months related experience preferred. Light typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

Secretary GR18 (C4103)

Plant Breeding and Biometry-Statutory

Minimum Full-time Equivalent: \$542.89

Posting Date: 10/15/92

Provide secretarial support to faculty in the biometrics unit; type correspondence, course materials, and technical manuscripts; photocopying and other duties as assigned; serve as back-up for answering telephones and handling mail. 4-5hrs/day, flexible.

Requirements: High school diploma or equivalent; some college coursework preferred. 1yr. related office experience; familiarity with word processing, preferably on IBM PC or Mac; technical typing desirable (training provided); good interpersonal and organizational skills. Accuracy important. Medium typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

Secretary GR18 (C4108)

Neurobiology and Behavior-Statutory

Minimum Full-time Equivalent: \$542.89

Posting Date: 10/15/92

Computer-based text and graphics processing and editing; ordering

supplies and maintaining inventories; coordinating and trouble shooting administrative procedures; extending support to co-workers and staff for a large biology course. High level of confidentiality: Student grades, generating exams and answers. 20hrs/4 days.

Requirements: High school diploma or equivalent required. Some college coursework preferred. 1-2yrs. related experience. Experience with Macintosh computers and office-based software or aptitude to learn specific software programs. Heavy typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Office Assistant GR18 (C3706)
Human Development and Family Studies-Statutory**

Minimum Full-time Equivalent: \$542.89

Posting Date: 9/17/92

Secretarial and receptionist support for very busy academic department. Provide secretarial support for graduate and undergraduate program. Answer main phone line, handle walk-in traffic. Monday-Friday, 12:30-4:30 or 1:00-5:00 (20hrs).

Requirements: High school diploma or equivalent required. 1-2yrs. previous experience in academic department essential. Computer skills essential. Medium typing. External applicants please submit a cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

Secretary GR18 (C2905)

Physiology-Statutory

Minimum Full-time Equivalent: \$542.89

Posting Date: 9/17/92 Repost

Provide secretarial support for 1 or 2 faculty members and assist the accounting section by typing requisitions and filing. Monday-Friday, 8-12.

Requirements: High school diploma or equivalent. Some college coursework preferred. Minimum 1yr. related secretarial experience. Knowledge of computers (IBM/WordPerfect 5.1) preferred. Medium typing. Send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

Research Aide GR19 (C4102)

Agricultural Economics-Statutory

Minimum Full-time Equivalent: \$566.28

Posting Date: 10/15/92

Provide administrative, research, teaching, and secretarial support for three faculty members, several technical and support staff, and the group of students in the program on dairy markets and policy. Responsible for maintaining programs bibliography and statistical databases and library. Monday-Friday, 32hrs. Until 7/93.

Requirements: High school diploma or equivalent. Some college coursework preferred. Requires working with faculty, professional staff, and graduates students. Skills in spreadsheet, graphics, word processing, and other such computer software; and extensive subject matter knowledge. Requires extensive familiarity with publications and data sources in the area of dairymarket and policy economics.

Regular CU employees only. Send employee transfer application, cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2.

**Administrative Aide GR19 (C3820)
Center for the Environment-Statutory**

Minimum Full-time Equivalent: \$566.28

Posting Date: 9/24/92

Provide administrative and secretarial support. Responsible for telephones and reception, word processing (Mac) of formal and informal communications, scheduling of meetings and travel arrangements. Act as liaison to central administration unit for accounts payable and receivable. 4 consecutive days/week, 5hrs/day. **Requirements:** High school diploma or equivalent. Some college coursework preferred. 1-2yrs. office experience. Macintosh experience, especially word processing. Good communication skills. Familiarity with Cornell accounting system desirable. Ability to work independently and set priorities. Medium typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Accounts Assistant GR19 (C3707)
Human Development and Family Studies-Statutory**

Minimum Full-time Equivalent: \$566.28

Posting Date: 9/17/92

Process standard vouchers, purchase orders and interdepartmentals for busy academic department. Assist administrative supervisory with other accounting activities. Monday-Friday, 8am-12noon, 20hrs.

Requirements: High school diploma or equivalent required. Some college coursework preferred. 1-2yrs. previous Cornell accounting experience, or fund accounting experience in other settings. IBM computer, WordPerfect 5.1 and Lotus. Light typing. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application.

Administrative Assistant GR19 (C3701)

Facilities Engineering-Endowed

Minimum Full-time Equivalent: \$566.28

Posting Date: 9/17/92

Provide basic and specialized administrative and clerical support services for architectural, engineering, and design staff of the facilities engineering department. Transcribe, type, edit and modify various types of office correspondence and documentation. Range of work includes basic office correspondence, detailed construction bid documents, project specifications, and technical reports. Provide front-line training and support for computer software applications (wordprocessing, spreadsheet, and terminal emulator) and telephone (system 85 and audix). Arrange and coordinate all aspects of departmental travel, to include processing vouchers. There will be occasions when a full work week will be required. Monday-Thursday, 11-5, Friday, 11-4.

Requirements: High school diploma or equivalent required. Associates degree or equivalent preferred. 2yrs. working with word processing systems in an office

environment environment. Experience with Macintosh computers and software very desirable. Must demonstrate sound interpersonal and organizational skills. Heavy typing. External applicants please submit a cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Telecommunicator GR20 (C4001,9)
Transportation Services-Endowed**

Minimum Full-time Equivalent: \$590.45

Posting Date: 10/8/92

Responsible for monitoring the two-way radio communication between the transit facility and on-duty transit fleet. Monitor driver assignments; call-in replacement drivers. 20 hrs. per week.

Requirements: High school diploma or equivalent. Associate's degree or equivalent. Highly organized individual with attention to detail required. Prior dispatch experience desirable. Familiarity with FCC regulations and terminology. Must have well-modulated voice. Must have the ability to deal with a fast paced environment and stressful situations. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application.

Casual

Cashier/Data Entry (S3813)

Ornithology

Casual Appointment

Posting Date: 10/1/92

The Crow's Nest Birding Shop is seeking an individual to perform data entry and cashiering duties. Answer phones. Must be very customer service oriented. Please send cover letter and resume to Karen Raponi, Employment Services, East Hill Plaza #2. Hours are Saturday and Sunday 10am-4pm. Other weekday hours as needed.

Program Secretary (S3808)

Language House Program-Endowed

Posting Date: 9/24/92

Type correspondence, reports and agendas, answer phone; process language house applications and accounting forms. 10hours/week, flexible.

Requirements: A.A.S. or equivalent in secretarial science. WordPerfect 5.1 on an IBM or IBM compatible; basic accounting procedures if preferred. Medium typing. External applicants submit cover letter and resume to Karen Raponi, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

Office Professionals

Temporary Part-time

Temporary Accounts Assistant (S3404)

Cooperative Extension

Posting Date: 8/27/92

Process vouchers and billings, monitor invoices, prepare notices of proposed travel, and submit purchase order requests for Extension Sea Grant program. Input, retrieve and analyze data of CUDA expenditure and summary reports for Extension Sea Grant Program. Part-time, 20hours per week. Please send cover letter and resume to

Karen Raponi, Employment Services, East Hill Plaza #2.

**Interviewer (S3605)
Communications-Statutory
Hiring Rate: \$6.60
Posting Date: 9/10/92**

Interview farmers for research project. Travel required - some overnight. Requires careful attention to detail. **Requirements:** Interviewing skills; computer skills a plus. Send cover letter and resume to Karen Raponi, Employment Services, East Hill Plaza #2.

General Service

**Dish Machine Operator SO02 (G4101,2)
Dining-Endowed, Regular, Full-time,
40hrs/weekly
Hiring Rate: \$6.90
Posting Date: 10/15/92**

Wash dishes, utensils, pots and pans. Stock assigned areas. Shift subject to change.

Requirements: Ability to learn proper use of dishwashing equipment and cleaning agents. Ability to lift 35 pounds. Regular Cornell employees only. Send employee transfer application to Esther Smith, Employment Services, East Hill Plaza #2.

**Transit Service Worker SO04 (G4006,7)
Transportation Services-Endowed
Hiring Rate: \$7.52
Posting Date: 10/8/92**

Responsible for the fueling, cleaning and minor service work on all transit vehicles. Remove and install fare vaults. Parks buses in the service storage area.

Requirements: High school diploma or equivalent. Must possess a NYS drivers license; commercial license with air brake and passenger endorsement preferred. Must meet 19A certification. Basic mechanical skills necessary with the ability to use some tools. Must have the ability to work independently. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application.

**Vending Purveyor SO06 (G4103)
Dining Services-Endowed
Hiring Rate: \$8.26
Posting Date: 10/15/92**

Stock vending products; maintain equipment; transport income from all types of vending and merchandising equipment.

Requirements: High school diploma or equivalent. Knowledge of vending methods and inventories helpful. Ability to work with little supervision. Good interpersonal and communication skills. Valid NYS drivers license. Ability to lift 75lbs. Regular CU employees only. Send employee transfer application to Esther Smith, Employment Services, East Hill Plaza #2.

**Vehicle Mechanic SO08 (G4004,5)
Transportation Services-Endowed
Hiring Rate: \$9.08
Posting Date: 10/8/92**

Performs routine servicing and preventative maintenance of transit fleet. Completes major and minor repair work on diesel, gas and alternative fuel engines.

Requirements: Must have: a) graduated from an accredited two year school or college with an associates degree in automotive and diesel technology; or b) 1yr. experience as a journey level automotive mechanic; or c) 3yrs. experience in the repair of

automotive equipment; or d) and equivalent combination of a,b, and c. Must possess a NYS commercial driver's license with air brake and passenger endorsement. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Maintenance Mechanic SO08 (G4001)
Transportation Services-Endowed
Hiring Rate: \$9.08
Posting Date: 10/8/92**

Responsible for the maintenance of equipment, facility systems and general custodial care of the shop storage and garage area. Provides general repairs and preventative maintenance on machinery and equipment of the facility systems.

Requirements: High school diploma or equivalent, trade school training preferred. Knowledge of power and hand tools, electrical and mechanical testing equipment required. Minimum of 5yrs. experience in plumbing, electrical, air conditioning and general repair work. Must be familiar with various test instruments such as multimeters and megohmmeters. Regular CU employees only. Send employee transfer application, cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2.

**Vehicle Mechanic SO09 (G4008)
Transportation Services-Endowed
Hiring Rate: \$9.52
Posting Date: 10/8/92**

Performs routine servicing and preventative maintenance of transit fleet. Completes major and minor repair work on diesel, gas and alternative fuel engines.

Requirements: High school diploma or equivalent. Must possess a NYS commercial driver's license with air brake and passenger endorsement. Must meet 19A certification. Minimum 5yrs. mechanical experience working on diesel and gas engines in a heavy equipment environment. Skilled in the use of tools necessary for the maintenance and repair of automotive equipment. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application.

**Vehicle Mechanic SO11 (G4002,3)
Transportation Services-Endowed
Hiring Rate: \$10.46
Posting Date: 10/8/92**

Assures the efficient operation and workflow of the preventative maintenance and repair program for the transit fleet. Performs highly skilled work involved in rebuilding and repairing of major components of engines and systems.

Requirements: High school diploma or equivalent. Possess a NYS commercial driver's license with air brake and passenger endorsement. Must meet 19A certification. Minimum of 7yrs. mechanical experience working on diesel and gas engines in a transit or similar environment. Proficient in the accurate diagnosis of mechanical problems related to transit vehicles and be able to effect the repair under minimum supervision. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include employee transfer application.

**Electrician (G3805-14)
Maintenance and Service
Operations-Statutory
Hiring Rate: \$17.78
Posting Date: 9/24/92**

Install and retrofit lighting systems. Monday-Friday, 3:30-midnight, until 10/6/93, possible extension to 12/31/93.

Requirements: High school graduate or equivalent. Completion of accredited inside wiremans apprenticeship or equivalent experience. Must have and maintain valid NYS driver's license. External applicants send cover letter and resume to Esther Smith, Employment Services, East Hill Plaza #2. Employees should include an employee transfer application. This position is covered under the building trades counsel agreement and is subject to its provisions.

General Service Temporary

**Temporary Material Handler (S3807)
Lab Animal Services-Statutory
Hiring Rate: \$6.00
Posting Date: 9/24/92**

Assist in ordering, maintaining and delivering feed, supplies and equipment. Monday-Friday, 7:00-3:30.

Requirements: High school diploma or equivalent required. Ability to lift 75lbs. Current driver's license. Must be in good physical condition. Pre-employment physical required. Please submit application materials to Karen Raponi, Employment Services, East Hill Plaza #2.

Academic

**Research Associate II
Cornell Theory Center
Salary: Commensurate with
Qualifications
Posting Date: 10/15/92**

Conduct research on the advanced computing research institute (ACRI) at Cornell theory center, emphasizing parallel optimization and nonlinear optimal control including applications of differential dynamic programming to problems in environmental management and structural control.

Requirements: Ph.D. in operations research with specialization in numerical optimization and nonlinear optimal control. Experience with differential dynamic programming is

highly desirable. Parallel computing experience and extensive knowledge of Fortran is essential. Proven ability to analyze and establish mathematical convergence properties of minimization algorithms. Send curriculum vitae and three letters of reference to: Julia Addy, Personnel Manager, 529 Engineering and Theory Center Bldg., Cornell Theory Center, Cornell University, Ithaca, NY 14853.

**Molecular Genetics Workshop
Coordinator
Plant Science Center
Posting Date: 10/15/92**

Oversee, develop and teach workshops in plant molecular biology. **Requirements:** Ph.D. with experience in molecular biology techniques. Send letter of interest, curriculum vitae, and names of 3 references to: Dr. Karen L. Kindle, 151 Biotechnology Bldg., Cornell University, Ithaca, NY 14853-2703. Fax (607) 255-2428.

**Faculty Position: Radiology
Clinical Sciences/Vet Medicine
Rank and Salary will be
commensurate with professional
and academic credentials and
experience.**

Posting Date: 10/8/92

Demonstrated expertise and interest in diagnostic radiology and/or ultrasonography. Share clinical teaching and service responsibilities with other radiology faculty, to participate in didactic teaching programs at both the professional (DVM) and graduate levels, and to develop an independent research program. Established strong, independent research program, or having the training and interest to establish such a program. Clinical service and related instruction are expected to constitute 50% of the work effort, with the remainder being devoted to research, teaching and other scholarly activities. Opportunities for collaborative research are excellent.

Requirements: DVM degree or equivalent, and have postgraduate clinical and research training and experience. Certification by the American College of Veterinary Radiology is highly desirable. Send a letter of application, curriculum vitae and names and addresses of three suitable referees to Dr. Brian R.H. Farrow, Chairman, Dept. of Clinical Sciences, College of Veterinary Medicine, Cornell University, Ithaca, NY 14853-6401