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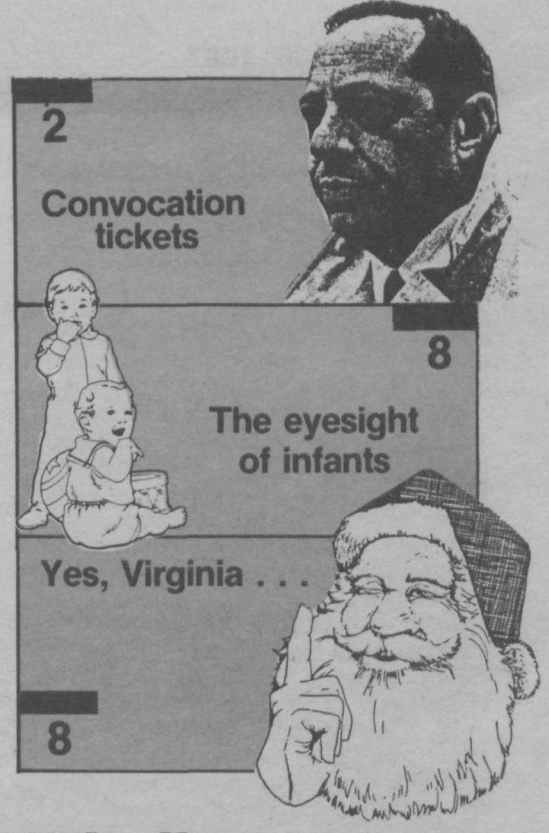
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Claude Levet
Reflections of spring at the F.R. Newman Arboretum, Cornell Plantations.

Scholars outline challenges facing African agriculture

With the creation last autumn of an Institute for African Development, Cornell committed itself to a long-term project aimed at improving food production, nutrition and health in Africa, where an estimated 30 million people faced malnutrition in the drought of the 1980s.

The institute held its first symposium last weekend, and there were sharp differences among the 200 or so American and European scholars over just how difficult that task will be.

Rene Dumont, 82, a professor of agronomy, an author and the man many consider to be the founder of the ecology movement in France, presented a pessimistic picture of Africa's future in discussing "The Food Production Crisis in Africa" and the link between population growth and development.

The population of West Africa has been increasing at a rate of 3 percent a year since the early 1960s, while food production there is increasing at a rate of less than 1 percent a year, which is destroying the ecosystem, Dumont said.

Depletion of the soil and the deterioration of agriculture cannot be blamed on export crops alone, he said. The principal causes of this are the scarcity of farm animals whose manure would replenish the fields and the effects of deforestation.

Increasing the use of organic waste should be a priority for a typical tropical West African peasant, Dumont said. Other priorities should be getting a primary school education and working to overcome the domination of towns over villages and men over women.

African nations must continue to rely on capital for their development from outside their countries, Dumont said, explaining, "They have almost no possibility of investment with their own money."

He said that aid often is misdirected, however, and cited a multi-million-dollar dam construction project in Senegal built with money that would have been better spent on small villages.

At the same time, the population explosion in the Third World cannot be blamed alone for the state of the global environment, the French scholar said.

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Cartoon characters double as toys, and vice versa

Nearly two-thirds of all toy and game commercials broadcast by the three major networks on Saturday mornings feature toys that double as characters in programs, psychologist John C. Condry has reported.

"While the networks separate programs from commercials by saying, 'We'll be right back after these messages,' can children distinguish between commercials and programs when they contain the same characters?" Condry asked April 24 during a meeting of the Society for Research in Child Development in Baltimore.

"In some cases, the toys are advertised during their own show," he added. "It's getting hard to know if cartoon characters are doubling as toys, or if it's the other way around."

In 1983, only 34 percent of Saturday morning toy commercials featured characters from programs, Condry reported. In 1985, the most recent year analyzed, it reached 62 percent, including popularly known characters and toys such as the Smurfs, He-Man and Masters of the Universe.

"The networks don't want to debate what distinguishes programming from advertising," Condry said. "Game shows spend time showing and describing products. Is that advertising? What if a soda company pays a director or producer to have characters drink its products? Is that advertising?"

Condry, an adviser to Action for Children's Television, a group advocating high-quality television programming for children, said his study examined only the time devoted to commercials and other non-program items, not the effect of those commercials on children. But he expressed concern about the growing interdependence between cartoon characters and commercial products, and suggested that research is needed to determine the effects, if any, on children.

"The only thing children do more of than watch television is sleep," he said. "There are 40 million children between the ages of two and 12 in this country, and on Saturday morning about one-half of them will watch some TV."

A Federal Trade Commission rule prohibiting the advertising of toys during a program in which those toys are characters is apparently still in effect, but it does not appear to be enforced, Condry said. One of his collaborators noted several times when commercials promoted the toys featured in the program being broadcast, but the study did not analyze how frequently such commercials occur.

The figures in the report are based on television broadcasts recorded at Cornell's Human Development and Television Archive, according to Condry, a professor of human development and family studies. That center records a random sample of programming from the Syracuse affiliates of the three major networks in March, June, September and December, and compiles a representative week for each month, he explained.

— Mark Eyerly

American psychologists urged to improve their understanding of Chinese culture

American psychologists are in danger of making the same mistake in studying China that has been made in studying Japan: rushing to compare another nation with the United States although they have little understanding of the other nation's traditions and culture, psychologist Lee C. Lee has warned.

"It's like a fad," said Lee. "The same people who are convinced that we need to imitate Japan's education system are moving into China studies, drawing comparisons and looking for lessons. That's disappointing," she told the Society for Research in Child Development during an April 24 meeting in Baltimore.

"We must sound a cautionary note that you need to understand another culture, on its terms and from its perspectives, before making cross-cultural comparisons," Lee said in her presentation, "China's Integrated Approach to Child Care and Socialization."

"I have been extremely concerned with psychologists' lack of understanding of what constitutes the basic competence necessary to do cross-cultural research," she said. "The naivete shown toward methodological adequacy shocks me."

Lee, for example, will criticize someone for asking if China's socialization of children suppresses individuality, because individuality is an American value. Studies of China should be governed by Chinese values, and by scholars who are fluent in the language, said Lee, an associate professor of human development and family studies.

Lee was born in China, raised in Hong Kong and educated in the United States. She followed her own advice in 1981 when she became the first American psychologist permitted to do research in China after the Cultural Revolution.

Rather than trying to compare childhood socialization in China and the United States, she spent 13 months exploring Chinese parents' views of their family relationships and the vocabulary they use to describe their hopes for their children. She returned during the summer of 1986 to interview and observe teachers, parents and children.

Lee found that when you ask parents in China what makes a good adult, abiding by traditional morals leads all other traits by far, followed by helping others and having a strong intellect and work ethic.

"Their concepts are straight from traditional and Confuscian teachings," Lee said. "There is a link between traditional China and contemporary, socialist China."

But parents also used phrases that are "very much influenced by the new socialist state," she added. For example, the value of being a "useful person" is "perfectly logical in contemporary China; an individual who contributes to the country."

When Chinese parents are asked what

Continued on page 12

Lee C. Lee

Notable

John W. Wells, professor emeritus in geological sciences since 1973, has been awarded the James Hall Medal by the New York State Geological Survey.

The award is given to prominent senior scientists who have made significant contributions to the field of geology in New York State. The medal will be presented to Wells during the New York State Geological Association's annual meeting this fall at the State University of New York College at New Paltz.

Wells, who joined the faculty in 1948, is a paleontologist specializing in fossil corals. He is a member of the National Academy of Sciences.

Jonathan Culler, Class of 1916 Professor of English and director of the Society for the Humanities, has been elected vice-president of the Semiotic Society of America and will succeed to the presidency of the organization in 1988. The society, founded in 1978, is devoted to the study of signs and sign systems.

Culler, who has taught here since 1977, is known for his writing on literary theory, including "The Pursuit of Signs: Semiotics, Literature, Deconstruction" and a monograph on Ferdinand de Saussure.

Culler was awarded a National Endowment for the Humanities Fellowship for 1987–88 to work on "Baudelaire and the Lyric."

Fourth engineering conference set for April 30-May 2

The College of Engineering's fourth annual Engineering Conference will be held April 30 through May 2 on campus. The topic for this year's event is "The Engineer Under Pressure."

Open to Cornell alumni and interested guests, the conference will feature a series of presentations by industry leaders, faculty members, and others. Among the lecturers and their presentations are the following:

- Robert D. Kennedy '54, president and CEO of Union Carbide Corporation, will discuss "Social Responsibility of the Engineer";
- Richard C. Palermo, vice president of the U.S. Marketing Group for Xerox Corporation, will present "Leadership through Quality";
- Neil Schilke '62, Project Trilby manager for General Motors Corporation, will talk on "The Engineer as a Catalyst for Change";
- Max Krauss '49 and John Woods '49 will present "New Ideas on Technology Transfer";
- William B. Streett, dean of the college, will outline the "Master Plan for the College of Engineering."

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Claude Levet

Some 125 students rallied April 24 to protest the university's indirect involvement in the apartheid laws of South Africa. Then, they proceeded to Uris Library where they took some 1,500 books from the stacks, chanting "These books do not serve my people." Uris Library's basic collection numbers about 130,000 volumes, and includes, among other things, books about mathematics.

23 charged after protests

Eleven people have been charged with violations of the Campus Code of Conduct in connection with Day Hall protests on April 20 and 21.

In addition, 12 other students have been charged for their part in a "book-stacking" incident in Uris Library on April 24. About 1,500 books were removed from shelves following a noon-hour rally at Willard Straight Hall by some 100 black, white, Hispanic and Asian students. They were protesting a variety of issues, including university investments, minority rights and federal cutbacks in aid to education.

Judicial administrator Thomas J. McCormick, said the 11 students cited for the Day Hall protests were identified by eyewitnesses and from videotapes and photos taken by Public Safety when the violations occurred. He said more people may be charged later this week.

All were charged with a variety of violations, such as obstructing university operations or functions and failing to comply with a lawful order. Some of the protesters also were charged with violations of the Regulations for the Maintenance of the Educational Environment for intimidation and coercion, according to McCormick.

Those charged could appear before a university hearing board early next month, McCormick said.

The students charged in connection with the April 24 library incident allegedly disrupted or attempted to disrupt functioning of Uris Library, a violation of the Rules for the Maintenance of Public Order. McCormick said the 12 could appear before a university hearing board next month.

Limited tickets available for convocation, Gov. Mario Cuomo will be speaker

A limited number of tickets to the 1987 Convocation will be distributed to seniors on a first-come, first-served basis on May 4 from 5 p.m. to 10 p.m. in Kaufmann Auditorium of Goldwin Smith Hall.

Gov. Mario M. Cuomo will be the convocation speaker. The ceremony will be held in Barton Hall on May 30 beginning at 12:45 p.m.

Each senior can obtain a maximum number of three tickets. Seniors should bring their ID cards, said Brian Klapper, convocation chairman.

Graduate students can obtain convocation tickets through the main office of the Graduate School in Sage Hall beginning May 5.

Barton Blotter:

2 charged with theft of antique

Two sophomores have been charged with grand larceny in connection with the theft of a 17th century linen cabinet from a university residence hall. The solid cherry wood, handcrafted cabinet was estimated to be worth at least $10,000.

James E. Karas, 22, of 1020 Park Ave., New York City, and Andrew Zunk, 19, of 14303 Northwyn Drive, Silver Spring, Md., were arraigned in Ithaca City Court on April 24.

Cornell Public Safety officers arrested Karas and Zunk following an investigation. Officials of Risley Hall reported that the antique linen cabinet was taken sometime between 4 p.m. March 31 and 11 a.m. April 1.

Pieces of the cabinet, which was badly damaged, have been recovered, according to Lt. Randall H. Hausner of Public Safety.

Karas is scheduled to appear in city court for further action on May 15; Zunk is to be in court again May 1. Karas and Zunk face fines of not more than $5,000 and up to seven years imprisonment if found guilty.

In another case, a Chemung County man has been charged with possession of property stolen from a Cornell laboratory. Joseph W. Stone, 29, of 102 Blake Hill Road, Van Etten, was arraigned in Ithaca City Court April 23 for possession of stolen property. Further court action is set for May 1.

Stone had in his possession two electronic balance scales, according to Hausner. The scales, with a combined value of $1,907.87, were taken from the Plant Science building between 5:30 p.m. on April 21 and 8 a.m. on April 22.

Hausner said the scales were recovered April 23 following an investigation by Public Safety officers, which is continuing.

Meanwhile, 14 thefts involving cash and valuables worth a total of $2,805 were reported on campus for April 20 through April 26.

Major items include a $384 computer component, a $320 radar detector, a $300 bicycle, a $500 earring and a backpack with contents valued at $545. Four wallet thefts were reported with cash and content losses totaling $185.

Two persons were referred to the judicial administrator on charges of trespass. A third person was charged with possession of stolen property.

Four students have been charged by Public Safety with criminal mischief for allegedly spray-painting pro-divestment slogans on Malott Hall and spray-painting in 62 restrooms in 16 buildings across campus. The four, apprehended late Tuesday night, have had their cases referred to the judicial administrator.

Briefs

■ **Old telephone cables removable**: The New York Telephone Co. is removing most of the old Centrex telephone cables that were left in place after the new System 85 was installed on campus. Some of the cables must be left in place because they still connect pay phones and other special services not included in System 85. Each office is responsible for any painting or patching that is necessary once the cable is out.

If the phone company crews have not reached an office where renovations are planned that necessitate removing the old cable, call Jeff Wilber at 255–7778 or George Gillespie ay 255–9704. If the phone company cannot remove the cable soon enough, the Telecommunications Department usually can survey the area and advise personnel of proper removal techniques to preserve any special services.

■ **Memorial service for David Novarr**: A memorial service for David Novarr, professor of English, who died Jan. 21, will be held May 3 at 3 p.m. in Anabel Taylor Chapel.

■ **Emeritus professors to meet**: The Association of Cornell University Emeritus Professors will hold its spring meeting May 6 in the Robison Room of Schoellkopf Hall beginning at 4 p.m. Davydd Greenwood, director of the Center for International Studies, will be the guest speaker. A business meeting and social hour also are planned. Membership in the association is open to all academic staff who retire after 10 years of service and administrative staff who have been awarded emeritus status.

■ **Annual hydrant flushing may cloud water**: The flushing of fire hydrants on campus may cause drinking water to appear cloudy between May 4 and 15, but the water will be safe to drink, according to Douglas Clark, manager of the water and sewer division of the Department of Utilities. Hydrants will be flushed during this 12-day period on both the endowed and state campuses. Customer Service will notify building supervisors.

■ **Law School parking lot closed**: Construction on an addition on the south side of Myron Taylor Hall has necessitated the closing of the southern visitor parking lot and pedestrian path leading from the parking lot to Hughes Dining. Visitors and two-hour staff parking is available at the east entrance of the parking lot behind Anabel Taylor Hall. Motorcycles and mopeds may be parked at Grumman, Barton and Willard Straight halls parking lots. For more information about parking regulations, call the Traffic Bureau at 255-PARK. For information pertaining to Hughes Dining, call Cornell Dining at 255–5340.

■ **Direct dialing available for international calls**: International telephone calls can now be dialed directly from unrestricted campus telephones. Press 0 + 011 + the country code (two or three digits) + the local telephone number.

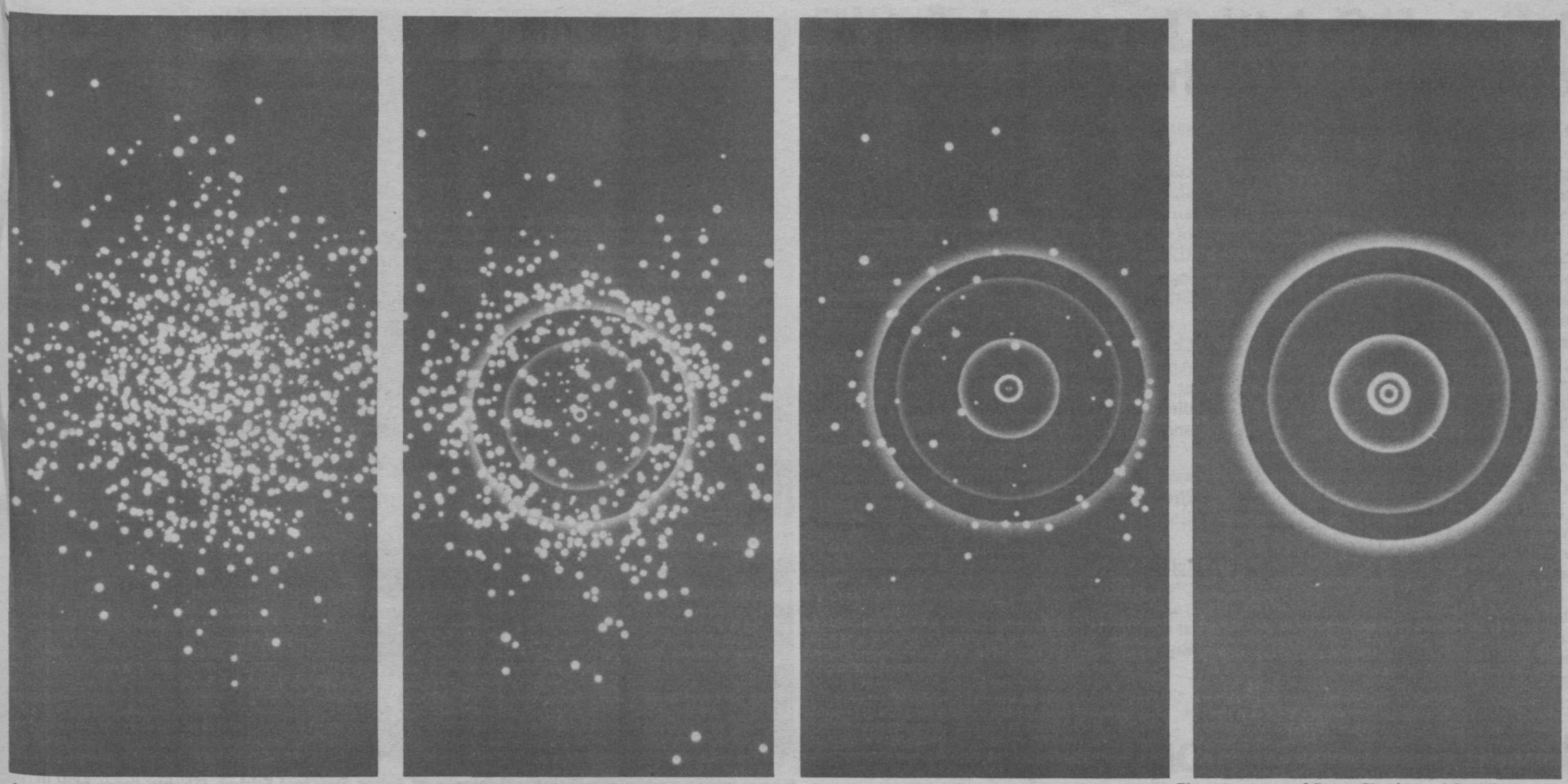
Call set-up time can be reduced by pressing the # symbol at the end of the local telephone number. This sends an "end of dialing" signal that eliminates the need to wait a few extra seconds for the call to be processed. For further information, call Judy VanDemark at 255–5502.

■ **NSF will fund Costa Rican project**:

The National Science Foundation has awarded Cornell's International Population Program two undergraduate research internships for a study project entitled "Modernization, Modernity and Psycho-Demographic Change in Costa Rica."

Desired qualifications include fluency in Spanish, computer experience, knowledge of statistics and a social science background. Candidates should submit a curriculum vitae to Josephine Velez, International Population Program, 368 Uris Hall, telephone 255–1400.

■ **Staffing Services closings**: Staffing Services, 160 Day Hall, will be closed April 30 and May 1 for minor renovations and will re-open May 4. Requisitions, resumes and applications may be delivered to: Operations, 147 Day Hall or Staffing Services, East Hill Plaza.



A sequence of four frames showing the collapse of a relativistic star cluster to a supermassive black hole.

Photos courtesy of Stuart Shapiro and Saul Teukolsky

Supercomputer movie shows birth of a quasar

Using a supercomputer to calculate the motion of thousands of stars, astrophysicists here have created the first computer-generated movie showing how a quasar might form from a collapsing star cluster.

Some 100 billion calculations were made in constructing the most accurate depiction yet of how quasars could have formed in the ancient universe, according to Stuart Shapiro and Saul Teukolsky, professors of astronomy and physics. The results, they said, offer new insight into one of the most important mysteries in astronomy.

With sponsorship from the National Science Foundation, Shapiro and Teukolsky used a supercomputer at the Cornell Theory Center to develop their model and a supercomputer at Omnibus Simulation Inc. of Culver City, Calif., to generate the movie.

Quasars are brilliant objects that lie billions of light-years from Earth. Although the central emitting regions of quasars are about the size of our solar system, they outshine galaxies of hundreds of billions of stars.

Scientists believe that quasars are themselves galaxies with central "engines" consisting of immense black holes with the mass of many millions of suns. These cosmic sinkholes — consisting of matter collapsed to its ultimate limit — suck in gas, dust and whole stars, squeezing the matter to incandescence before it disappears from view.

The film shows a rapid swirl of stars in a cluster center accelerating to near light-speed as they coalesce into a black hole. The hole draws in still more stars until the entire region near it has been swept bare. Most of the stars lie farther out from the black hole and continue to orbit the center, settling into a stable system.

"One of the great puzzles in astronomy is where quasars come from," Shapiro said. "We really don't understand how the central engine of a quasar forms from ordinary matter.

"Our model, however, shows that a dense galactic nucleus, composed of a multitude of neutron stars, could become unstable and undergo gravitational collapse to form a supermassive black hole. Our calculations offer a possible glimpse into one of the most fascinating processes in the cosmos."

The Cornell black hole movie consists of six scenes showing black hole formation and its effects, of which the quasar formation scene is one. Other scenes illustrate how a forming black hole prevents light from escaping, and how a black hole affects time, the gravity field around it and the orbits of nearby stars.

Developing the model and the movie took hundreds of hours on the Cornell Theory Center computer, an IBM 3090–400 mainframe with multiple attached Floating Point System 264 scientific computers, which operated at a speed of about four million calculations per second. Generating the quasar formation segment alone required about 10 hours of the computer's time. Because of Omnibus Simulation's expertise in computer graphics, that company's Cray XMP supercomputer was used for the final production.

Developing the mathematical model on which the movie was based was a two-year project for Shapiro and Teukolsky. It was funded by NSF because of the understanding the model could offer of the fundamental processes of black hole and quasar formation. It was also the first calculation of star cluster evolution according to Einstein's Theory of General Relativity, they said.

The basic mathematical techniques used in the black hole movie also can aid other fields such as fluid dynamics, aerodynamics and plasma physics, the researchers said. Thus, the model may help basic research aimed at such tasks as designing new aircraft and studying thermonuclear fusion.

Now Shapiro and Teukolsky have embarked on an even more ambitious project: modeling the formation of a spinning black hole. Astronomers believe spinning black holes may produce the immense jets of matter and energy — dubbed cosmic blowtorches — thousands of light-years long that astronomers have observed spewing from some quasars.

— Dennis Meredith

Cornell, Vermont establish joint dairy research center

Cornell and the University of Vermont will jointly establish a Northeast Dairy Foods Research Center to step up research on dairy products to meet changing consumer needs.

A second major goal of the center will be to increase the number of food scientists needed for the food manufacturing industry, according to the National Dairy Promotion and Research Board, the center's sponsor.

The board, the dairy industry and the two universities will finance the center's research projects and other activities with approximately $1.8 million a year for five years, according to Richard A. Ledford, professor and chairman of the Department of Food Science in the College of Agriculture and Life Sciences.

The national dairy board's share is $600,000 per year. The New York State dairy industry has pledged to contribute more than $600,000 per year, Ledford said.

The National Dairy Promotion and Research Board was established by Congress in 1983 to promote the nation's dairy industry. Its new Northeast Dairy Foods Research Center is one of six such centers to be established in various parts of the country. Besides Cornell and the University of Vermont, nine other universities will take part in these research centers.

Cornell food scientist David Barbano, who worked on the proposal submitted to the dairy board, said that changes in consumers' attitudes toward foods and nutrition, changes in the types and number of meals eaten away from home and shifts in demographic trends, among other factors, are expected to provide new marketing and growth opportunities for the dairy industry.

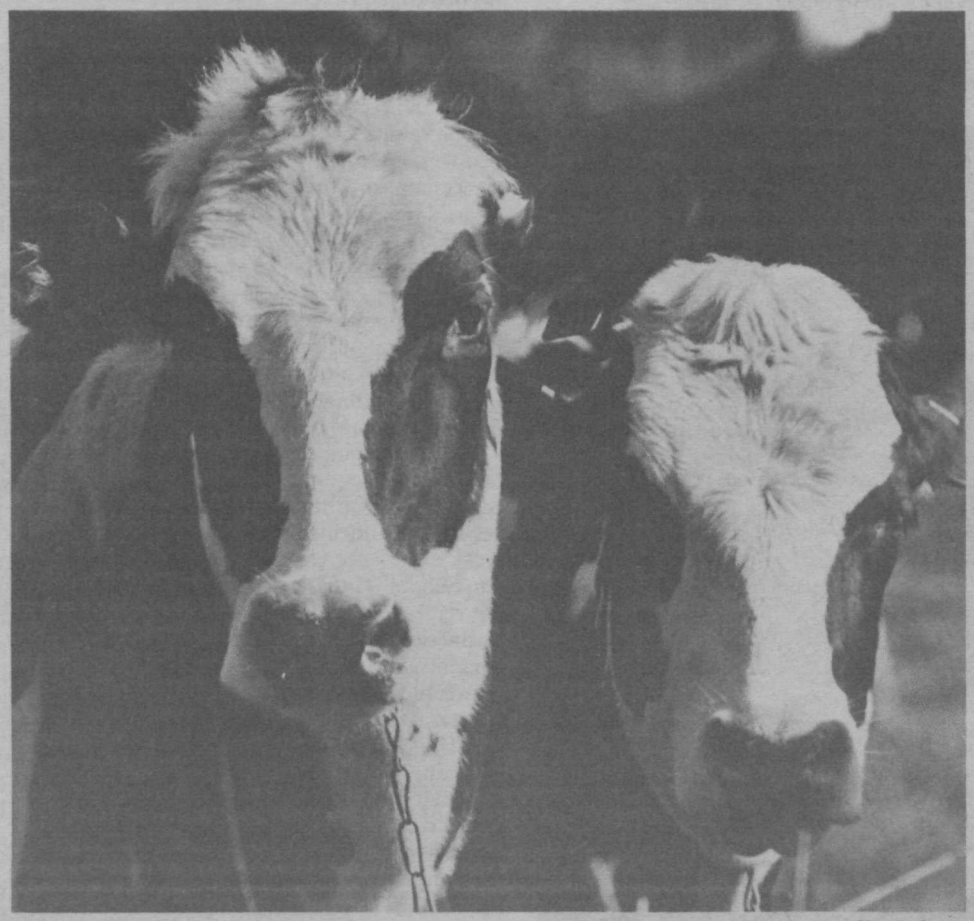
"To capitalize on these opportunities, the dairy industry will need to have the basic scientific and technical information to tailor dairy products to meet changing consumer needs," he said, adding that the new joint center will provide scientific, technical and marketing support to the Northeast dairy manufacturing industry.

The center's work will focus on dairy product development; improvement of the quality and safety of milk and dairy products; dairy product processing and engineering; chemistry and microbiology of dairy products; nutritional attributes; development of standardized methods for analysis and testing of dairy foods and ingredients; and product packaging technology, among other areas of research, Barbano said.

A significant portion of the research is expected to be carried out in a new food processing and development laboratory now under construction and scheduled for completion this fall. The laboratory is a major addition to research facilities of the Department of Food Science.

The universities designated by the National Dairy Board to establish five other dairy research centers in other parts of the country are the University of Wisconsin at Madison, the University of Minnesota, South Dakota State, Utah State, Oregon State, the University of California at Davis, California Polytechnic and State University, North Carolina State and Mississippi State.

— Yong H. Kim



Claude Levet

Cow's milk and a host of products made from it will be studied with an eye toward product development in the new Northeast Dairy Foods Research Center, set up jointly by Cornell and the University of Vermont.

Deputy U.S. trade representative to address ILR School alumni

Deputy U.S. Trade Representative Michael B. Smith will discuss the Reagan administration's views on international trade when he addresses a group of alumni of the School of Industrial and Labor Relations on May 8.

Smith's presentation at 1:30 p.m. in Room 405 of Malott Hall will be part of a program for graduates of the ILR School who are presidents of companies. The ILR Presidents group has 107 members, including Ed Faber of Computerland, Robert Strudler of U.S. Home Corp. and Steve Tannen of Adidas USA.

The theme for the program is "What In the World Is Going On? International Trade, Technology Transfer and Related Federal Policy Issues."

The ILR Presidents group was created to honor the achievements of ILR School alumni who have attained leadership position in business, according to Dean Robert E. Doherty. "The group is designed to provide a network among the presidents that draws upon their common experience at Cornell and also to offer a link between them and the Cornell of today," Doherty said.

Participants will receive an update on current trade legislation at 9:30 a.m. in the ILR Conference Center from Lenore Sek, an analyst in the international trade division of the Library of Congress. Then at 10:30, ILR Professor Gary Fields will discuss the legislation's effect on workers in the United States and abroad.

After Smith speaks, an overview of the Center for International Studies' seminar on American competitiveness will be presented at 2:20 p.m. by Michael Gaffney, assistant director of ILR's Program for Employees and Workplace Systems.

Professor Robert Risley and graduate assistant Val Stinson will discuss "The ILR Presidents Course: Human Resources for Entrepreneurs" at 3:30 p.m.

Following a dinner to be held at La Tourelle beginning at 6 p.m., Cornell's vice president for research and advanced studies, Joseph M. Ballantyne, will discuss research at the university and its application to business.

— *Barry Gross*

Claude Levet

Heavy winds and rain buffeted celebrants of Arbor Day last Friday. Behind them is a European hornbeam tree, planted for the occasion on the south side of Bradfield Hall.

JGSM: Admissions improves, minorities still a concern

Sophisticated marketing techniques, including homegrown computer software and new recruiting brochures, have enabled the Johnson Graduate School of Management to attract an increasingly larger pool of applicants and thus enroll better-quality students, according to Admissions Director Mariea Blackburn.

She said during an interview that, when she joined the Johnson School staff in 1984, it was making offers of admission to 48 percent of applicants; for the current 1986–87 year, it made offers to 28 percent of applicants. Where 32 percent of the students accepted decided actually to go to the school in 1984, the share rose to 52 percent in 1986–87. "It's off the charts," Blackburn said.

The Johnson School received 1,917 applications for the coming 1987–88 academic year, up from 1,568 for the current year, and only between 20 and 22 percent of the applicants will be accepted.

One of Blackburn's concerns is increasing the number of minority admissions. Last weekend, the Johnson School held the latest in a series of what it calls "minority flyup programs" in which at least 10 minority students were scheduled to visit the campus at Cornell's expense. The aim is to encourage them to enroll at the Johnson School.

The extra efforts are needed because making offers of admission to qualified minority applicants doesn't guarantee that they'll decide to attend. For example, although nine black students received offers of admission for the class of 1988, only three accepted, down from 14 accepting out of 31 offers the previous year. To date, nine blacks have received offers of admission for the 1987–88 academic year, and the deadline for acceptance is May 15, Blackburn said.

She said her office has seen a measurable increase in the academic quality of black applicants this year.

She also said she believes the Johnson School is the only business school that interviews all candidates and makes no blind offers. "You can do a lot of quality control that way," she explained.

She said she interviews about 250 candidates a year in person, and that another 700 are interviewed over the phone or by alumni in person. Last year, the Johnson School began training alumni interviewers.

The improved admissions process has a cumulative effect as applicants who have good experiences with Cornell tell others about it, Blackburn explained. She noted that even applicants who decide to go elsewhere have commented favorably about how well they were treated by Cornell.

The fast and accurate responses that impress applicants are due in part to an Admissions Tracker program developed by Blackburn and now being marketed commercially. (It is available free to Cornell units.)

Blackburn's software allows data entered once to be used in eight different forms. This means, for example, that once a prospective student's name and address is entered into a computer after an initial inquiry is received, it can be retrieved subsequently to generate mailing labels, form letters and reports.

The result of this automation is that two people now can do what took four people to accomplish. This not only eliminated two salaries but also cut other operating costs by $50,000 annually, Blackburn said.

She explained that 13 years in large state and small private schools convinced her of the need for such software. She had had no formal computer training, so she got books on the subject and a home computer and taught herself how to use computers and how to write programs.

Blackburn pinpointed what she considers an important coming change in the Johnson School's student body. Right now, about 80 percent of students have had two years of work experience when they enter the Johnson School. "I think we're going to increase the representation of those with full-time business experience to about 92 percent" of students, she said, adding that this will parallel the situation at other high-ranking business schools such as those at Stanford and Harvard universities and the University of Pennsylvania.

When more student share business experience before entering a graduate school of management, "You get a better interaction between faculty and student," Blackburn asserted. "The students take more relevance from the program. You get more sharing of experience from the corporate world."

— *Barry Gross*

Claude Levet

Mariea Blackburn

Specimen retired on Arbor Day

As sweet April showers gently prodded campus last Friday to hasten the already quickening pace of spring, Cornell celebrated Arbor Day by planting an upright form of a European hornbeam tree. It will grace the campus for generations to come.

Kenneth E. Wing, associate dean of the College of Agriculture and Life Sciences, headed a group of faculty and staff who planted the tree, in the rain, on the south side of the towering Bradfield Hall on Tower Road.

Trees enhance the beauty of the campus, especially when it resembles a battle field — with so many construction projects in progress, Wing said.

The occasion also marked the continuation of the Ag Quad beautification program, under way since the late 1970s, according to Marvin I. Adleman, a professor of landscape architecture and chairman of the Ag Quad Beautification Committee.

A number of plants, including red and black oak, sugar maple, red maple, tulip tree, American linden and Kentucky coffee tree, have been planted on the Ag Quad to replace elm trees destroyed by the insidious Dutch elm disease that swept through the eastern United States for many years.

The hornbeam planted near Bradfield Hall is about 15 years old and some 20 feet tall. It was grown in the test gardens of the Department of Floriculture and Ornamental Horticulture, where it, along with a number of other species, was used for performance evaluations by horticulturist Robert G. Mower.

"The hornbeam can grow to about 40 feet tall and should live as long as 80 to 100 years," Mower said.

The tree also served as an important specimen in a research project by Nina L. Bassuk, a plant physiologist and expert on urban horticulture, and graduate student Brian Maynard, both in the Department of Floriculture and Ornamental Horticulture.

Using this particular tree, as well as a number of other species with reputations for being extremely difficult to propagate, Bassuk and Maynard developed a new technique that makes it easy to propagate tough-to-propagate trees from plant cuttings.

By the way, the scientific name of the upright form of the European hornbeam is a real tongue-twister: Carpinus betulus fastigiata. If you have trouble pronouncing this, call it simply a Pyramidal European hornbeam.

— *Yong H. Kim*

Human resource studies center to open at ILR this summer

Cornell will open a Center for Advanced Human Resource Studies this summer as part of the School of Industrial and Labor Relations

The center's director will be a 25-year employee of International Business Machines Corp., Richard J. Jacobs, who will be on loan from IBM. While at the center, he also will serve as the Industrial and Labor Relations School's executive in residence.

"IBM is pleased to be able to participate in the formative stage of the center, which we believe has the potential to become the pre-eminent human resource research program in the world," said Walton E. Burdick, IBM's vice president for personnel.

The dean of the ILR School, Robert E. Doherty, said the new center "will improve the quality of our outreach efforts by bringing our faculty in direct contact with the people on the cutting edge of human resource management. We should know about the creative things they are doing, and they should know about our research. It is my hope that each will influence the other."

The new center will focus its efforts on identifying, exploring and resolving important issues in human resource management such as how computerization can improve decision making. Executives and faculty also will develop education programs on critical topics and establish links with broader human resource management groups.

Jacobs, who lives in Danbury, Conn., joined IBM in 1962, undertaking a variety of assignments in the company's U.S. and international personnel operations. He currently occupies an executive position in IBM's corporate headquarters in Armonk, N.Y.

He received a bachelor of science degree in industrial management from Franklin & Marshall College in 1955, trained as a navigator at the Air Force Navigation and Electronics Program in 1956, and went through IBM's Middle Management Program and its Advanced Management School

He was a participant in the Brookings Institution Executive Program in 1979 and 1981, Cornell's Personnel Executive Program in 1981 and the University of California at Los Angeles Employee Relations Program in 1984.

"I've been associated with Cornell since 1974 as IBM executive to the ILR School," Jacobs pointed out. "Ithaca is a great area to live in, and Cornell is probably one of the most beautiful campuses in America. I'm delighted to have the opportunity to help establish the center. I think that human resource management will play a key role over the next decade in making American industry prosperous."

— *Barry Gross*

Recognition withdrawn from Phi Gamma Delta fraternity

Cornell administrators are withdrawing recognition of Phi Gamma Delta fraternity, known on campus as Fiji, in connection with charges involving sex abuse, house mismanagement and alcohol, among other things.

Fiji will not be able to operate here for four years, effective May 31.

University officials and the Greek Judicial Board, a panel of students, faculty and alumni, investigated the fraternity for one month. The investigation focused on a series of incidents brought to the dean's attention after a 1987 Valentine's Day party at the fraternity house.

Officers and members of Phi Gamma Delta were notified of the charges against the fraternity, and three officers, one alumni adviser and a representative of the national fraternity appeared before the hearing board in early April. The board also heard from other Cornell students and two women not affiliated with the university, according to David Drinkwater, dean of students.

Drinkwater advised the fraternity on April 21 of the board's decision and gave the brotherhood another two days to respond before making his final decision.

The dean said that he accepted the unanimous recommendation of the six-member panel because there were "a number of incidents spanning a period of 2+ years, most of which had occurred this academic year and which involved several members of Kappa Nu chapter of Phi Gamma Delta."

These incidents, along with other activities at the fraternity house, "indicate an environment where there appears to be little respect for the rights and dignity of others," he said.

"The fraternity seems to lack a clear understanding of the fact that real abuses occurred and of the seriousness of sexual abuse," he added.

He acknowledged that not all members of the chapter were involved in the incidents, but said "the chapter environment condoned the behavior." The university "customarily holds organizations accountable for the general behavior of its members and that Phi Gamma Delta thus was responsible for the general welfare of brothers and visitors," he explained.

The decision to rescind recognition is appropriate "in light of what the investigation has uncovered," Drinkwater said.

In the case of a fraternity or sorority, punishment is determined by the dean of students following a recommendation from the Greek Judicial Board, which hears cases involving the 47 fraternities and 16 sororities at Cornell.

There are about 4,300 students in Cornell's fraternity/sorority system, including 58 in Phi Gamma Delta, 45 of whom live in the house at 2 McGraw Place.

The dean's investigation, which was separate from one conducted by Cornell's judicial administrator, deals with organizational status and thus has no bearing on other proceedings against individuals.

In another fraternity-related matter, the university last week placed Delta Phi on probation for two years, effective immediately, for violating hazing rules.

According to the Office of the Dean of Students, eight Delta Phi pledges were abandoned several miles from campus one night during the spring 1987 pledging season, and the pledges, who were under 21, were served alcohol the same night.

The Greek Judicial Board recommended probation.

Animal genetic engineering, insect sex attractants to be topics

Animal genetic engineering and insect sex attractants for insect pest control are the subjects of the next two Distinguished Lectures at the Boyce Thompson Institute for Plant Research.

Thomas E. Wagner, director of the Edison Animal Biotechnology Center and chairman of the Department of Molecular and Cellular Biology at Ohio University at Athens, and Wendell L. Roelofs, the Liberty Hyde Bailey Professor of Insect Biochemistry at the New York State Agricultural Experiment Station at Geneva, will be the speakers.

Wagner will give his lecture, "Transgenic Experimental and Domestic Animals," May 6 at 2 p.m. in James Law Auditorium. He will review the status and future of animal genetic engineering. Roelofs will lecture on "The Evolution of Moth Sex Pheromones" May 20, also at 2 p.m., in the same auditorium.

Ralph W.F. Hardy, president of the Boyce Thompson Institute, said Wagner's lecture is timely because the U.S. Patent and Trademark Office recently announced that it will allow animals invented through genetic engineering techniques to be patented.

"Introduction of desired foreign genes into animals utilizing the techniques of recombinant DNA is expected to become a major method for genetic improvement of domestic animals," Hardy said.

Wagner was the first scientist to alter animals genetically with foreign genes, he said. Super rodents have been developed in the laboratory using Wagner's genetic engineering approach, and work is under way to improve cattle, sheep and swine through genetic engineering techniques, Hardy said.

Roelofs will lecture on biosynthesis and genetic control of pheromones by female moths. Insect pheromones may provide a biological control for insect pests as alternatives to chemical pesticides.

Roelofs is recognized internationally for his research on the isolation, identification, synthesis and use of insect sex pheromones. His contributions to insect pest monitoring and control have had a major impact on developing practical integrated pest management systems for major agricultural crops.

— Yong H. Kim

Africa *Continued from page 1*

Professor Michael Latham, director of the Program in International Nutrition here, spoke more optimistically about development in Africa over the past two decades or so.

Relating observations from numerous trips to Kenya and to Tanzania, where he began working with the Ministry of Health 20 years ago, he described improvements in rural villages, farms, hospitals and schools.

Although a great deal of attention has been given to India recently achieving self-sufficiency in food, development in East Africa compares favorably with India's over the past 30 years, Latham said.

Many African countries have developed more rapidly than Colombia, Guatemala, Haiti or the Philippines, he added.

"Look at the quality of life in rural areas, not the big cities," to gauge how well a country is progressing, Latham advised. He listed 12 priorities for improving the health of Africans — four malnutrition-related problems and the elimination of four parasitic and four viral or bacterial diseases.

He also described 12 myths of African development, including the belief that African governments are chronically unstable and that being self-sufficient in food can be equated with adequacy in nutrition. Kenya, Senegal, Tanzania and the Ivory Coast are among nations that have seen no meaningful change of government since independence, Latham said. India and Indonesia are self-sufficient in food, but malnutrition is a serious problem in both countries, he added. More attention should be paid to food distribution and consumption, which are usually eclipsed by food production in terms of attracting the attention of scientists and other researchers, he said.

The AIDS pandemic could have a major impact on all development work in Africa in five to 10 years, Latham said, adding that research about the disease has not been adequate, and social science research has been especially lacking.

In trying to persuade people to change and to modernize some of their practices, Westerners should try to make changes that will improve Africans' lives, not just make them conform to our image, he said.

In opening the two-day symposium, President Frank H.T. Rhodes reaffirmed the university's long-term commitment through the Institute for African Development.

Cornell has had many successes in 25 years of similar work in the Far East and in a shorter time in Latin America, Rhodes said in describing the univesity's latest international outreach.

— Carole Stone

Members of the Cornell chapter of the World Tae Kwon Do Association gave an exhibition of their art last Saturday in the Memorial Room of Willard Straight Hall, along with members of a chapter in Fredonia, N.Y. Black belts demonstrated their techniques for breaking boards by kicking or punching them with a single, concentrated blow. And as a group, the club went through its basic moves, including open-fisted blocking, to give spectators an introduction to the form. The club had been meeting four days a week in Barton Hall, under the leadership of Trish Cairns, but now with the renovation going on in there, the club will meet in the auditorium in Martha Van Rensselaer Hall.

Photos by Doug Hicks

CALENDAR

All items for the 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 must be received 10 days prior to publication and must 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

Dance Concert '87

Modern dance accompanied by chamber music, choreographed by Mitchell Rose of the Joyce Theatre in New York City and performed by the faculty and students of the Department of Theatre Arts' Dance Program, May 7–9, 8 p.m. and May 10, 2:30 p.m. in Willard Straight Theatre. Tickets for Friday and Saturday evening performances are $5.50 for adults, $4.50 for students and seniors. Thursday evening and Sunday matinee tickets are $4.50 for adults, $3.50 for students and seniors. Tickets are available at the Theatre Cornell box office or by calling 255–5165.

Cornell Impact Dance Troupe

Two evenings of dance, April 30 and May 1, 8 p.m., Martha Van Rensselaer Auditorium. Tickets are $3 at Willard Straight box office and at the door.

Cornell Scottish Country Dancers

Monday evenings, 8–10 p.m., 213 S. Geneva St. Beginners and experienced dancers welcome. For more information call 257–6017 or 272-6229.

Israeli Folkdancing

Thursday evenings, 8:30 p.m. Anabel Taylor Hall Auditorium.

Cornell Folkdancers

An evening of couple dances taught by special guest teacher Connie Lambert with assistance from David Nulle. May 3, 7:30 p.m., Memorial Room, Willard Straight Hall.

EXHIBITS

Johnson Art Museum

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

Wyndham Lewis: Vorticist and Later Works: The exhibition features works by Lewis, through May 3.

Derek Jarman: Night Life and Other Recent Paintings: Filmmaker and painter Jarman's paintings through May 3.

Gallery Reopened: The George and Mary Rockwell Galleries of Asian Art on the fifth floor are now open to the public with the exception of a few galleries still being renovated.

Olin Library

Wyndham Lewis, author and artist, Monday - Friday 8 a.m.-noon; 1–5 p.m., through May 17.

Whittaker Seminar Room

Botanical drawings and watercolors, by Carl Whittaker, in the R.H. Whittaker Seminar Room, Corson Hall, Monday through Thursday 8 a.m.-4:30 p.m.; Fridays 8 a.m.- 4 p.m. Exhibition opening May 8, 4–6 p.m.

FILMS

Unless otherwise noted, films are sponsored by Cornell Cinema. An (*) indicates that admission is charged.

Friday, 5/1

"Blade Runner" (1982), directed by Ridley Scott, with Harrison Ford, Rutger Hauer, Sean Young, midnight, Uris Hall.* Co-sponsored with Women's Studies.

"Miss Mary" (1986), directed by Maria Luisa Bemberg, with Julie Christie and Sofia Viruboff, 7:15 p.m., Uris Hall.*

"The Mosquito Coast" (1986), directed by Peter Weir, with Harrison Ford, Helen Mirren, and River Phoenix, 8 p.m., Anabel Taylor Hall.*

"Sid and Nancy" (1986), directed by Alex Cox, with Gary Oldman and Chloe Webb, 9:30 p.m., Uris Hall.*

Saturday, 5/2

"Blade Runner," 7 p.m., Uris Hall.*

"The Mosquito Coast," 9:30 p.m., Uris Hall.*

"Sid and Nancy," midnight, Uris Hall.*

Sunday, 5/3

"Low Visibility" (1986), directed by Patricia Gruben, 2 p.m., Johnson Museum.

"Sid and Nancy," 8 p.m., Uris Hall.

Monday, 5/4

"Marked Woman (1937), directed by Lloyd Bacon, with Bette Davis and Humphrey Bogart, 8 p.m., Uris Hall.*

"La Bamba" (1987), directed by Luis Valdez, on the life of Richie Valens, 10 p.m., Uris Hall.

Tuesday, 5/5

"Forbidden Planet" (1956), directed by Fred Wilcox, with Walter Pidgeon and Anne Francis, 8 p.m., Uris Hall.*

Wednesday, 5/6

"Cousin Cousine" (1975), directed by Jean Tacchella, with Marie Barrault and Victor Lanoux, 8 p.m., Uris Hall.*

"Fall Guy" (1982), directed by Fukasaku Kinji, 4:30 p.m., Uris Hall, China-Japan film series.

Thursday 5/7

"Stop Making Sense" (1984), directed by Jonathan Demme, with the Talking Heads, 8 and 10 p.m., Uris Hall.*

"Muni," 5 p.m., 310 Uris Library, Southeast Asia film series.

LECTURES

Africana Studies

"Black Liberation and U.S. Foreign Policy: Rethinking U.S. Policy Toward the British Caribbean: 1939–1945," Cary Fraser, Cornell Abroad graduate exchange student, Graduate Institute of International Studies, Geneva, May 6, 12:15 p.m., Africana Studies Center, 310 Triphammer Road.

Communication

"A Behavioral Listening Model: Management Application," Judi Brownell, Hotel Administration, May 4, 4:30 p.m., 245 Warren Hall.

English

"For a History of Intellectual Property: John Wolfe's Reformation," Joseph Loewenstein, Washington University, May 1, 4:30 p.m., 181 Goldwin Smith Hall.

Linguistics

"Reciprocity and Plurality," Robert May, Cognitive Sciences Group, University of California at Irvine, April 30, 4:30 p.m., 106 Morrill Hall.

Southeast Asia

"Survival Strategy of a Coastal Community in Masbate, Philippines," Anita Kendrick, Southeast Asia Program graduate student, May 7, 12:20 p.m., 102 West Avenue Ext.

University Lectures

"Alliance in Inca Kinship," R. Tom Zuidema, Anthropology, University of Illinois at Urbana-Champaign, April 30, 12:20 p.m., 305 McGraw Hall.

"Decoding Social Hierarchy in Inca Dress," R. Tom Zuidema, Anthropology, University of Illinois at Urbana-Champaign, April 30, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Western Societies

"Y-a-t-il une anthropologie de la religion? . . . de Mauss a Levi-Strauss," Marcel Detienne, L'Ecole Pratique des Hautes Etudes; Sciences Religieuses, May 1, 8 p.m., 281 Goldwin Smith Hall. (Lecture will be in French.)

MUSIC

Bound for Glory

Wheeler Creek, bluegrass, May 3. Live sets at 8:30, 9:30 and 10:30 p.m., Commons Coffeehouse, Anabel Taylor Hall.

Music Department

An Evening of Indonesian Gamelan Music, May 1, 7:30 p.m., Barnes Hall Auditorium.

Nothing But Treble, Susan Davenny Wyner, directing. Works by Moteverdi, di Lassus, Victoria, Grant and Brahms, May 2, 8:15 p.m., Sage Chapel.

Cornell Symphonic Band and Wind Ensemble, Marice Stith, conducting. Works by Gershwin, Bernstein, Sullivan, Host, Lewis. May 3, 4 p.m., Bailey Hall.

Catskill Chamber Players, works by Yehudi Wyner, May 3, 8:15 p.m., Barnes Hall Auditorium.

Chamber Music, Sonya Monosoff, directing. May 4, 8:15 p.m., Barnes Hall Auditorium.

Concert postponed: Carl Blake, fortepianist. Originally scheduled for May 7, the concert has been postponed until May 22.

Spring concert

Whiton Chorale spring concert featuring music by Rachmaninoff, Gershwin, Poulenc, Vaughan Williams and Brahms, May 2, 8:15 p.m. and May 3, 6 p.m., Anabel Taylor Chapel. Sponsored by CRESP, in collaboration with the Cornell Russian Literature Department.

Cornell Folk Song Club

Jean Redpath Scottish folksinger will sing ballads May 2, 8:30 p.m., Anabel Taylor Auditorium. Advance tickets are $5 and are available at the Commons Coffeehouse, Anabel Taylor Hall; Rebop Records and McBooks.

The Catskill Chamber Players of the award-win p.m. in Barnes Hall auditorium.

RELIGION

Sage Chapel

Harry Cargas, professor, Webster University, will preach at Sage Chapel on May 3 at 11 a.m.

Music for the service will be provided by the Sage Chapel Choir under the direction of Donald R.M. Paterson, university organist and Sage Chapel choirmaster.

Catholic

Mass: Every Saturday, 5 p.m., every Sunday, 9:30 and 11 a.m. and 5 p.m., Anabel Taylor Auditorium.

Daily masses: Monday through Friday, 12:20 p.m., Anabel Taylor Chapel.

Sacrament of Penance, Saturdays from 3 to 4 p.m., G22 Anabel Taylor Hall, or by appointment, 255–4228.

Christian Science

Testimony Meeting: Every Thursday, 7 p.m. in the Anabel Taylor Founders Room.

Episcopal (Anglican)

Every Sunday, 9:30 a.m., Anabel Taylor Chapel.

Friends (Quakers)

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

Jewish

Morning Minyan: Young Israel House, 106 West Ave. Call 272-5810.

Conservative/Egalitarian Services: Friday 5:30 p.m., Saturday 9:45 a.m., Anabel Taylor Founders Room.

Orthodox Shabbat Services: Friday evenings, Young Israel House, 106 West Avenue. Call 272–5810. Saturday, 9:15 a.m., Anabel Taylor Edwards Room.

Reform Services: Friday evenings 5:30 p.m., Anabel Taylor Chapel.

"Boker Tov," with Rabbi Larry Edwards and Rachael Gray, WTRU 88.1 -FM, every Friday between 6–8 a.m.

rtskill Conservatory will perform work by artist-in-residence Yehudi Wyner on May 3 at 8:15

Korean Church
Every Sunday, 3 p.m. Anabel Taylor Chapel.

Muslim
Sunday through Thursday, 1 p.m., 218 Anabel Taylor Hall. Friday 1 p.m. Anabel Taylor Edwards Room.

Protestant
Protestant Cooperative Ministry: Every Sunday, 11:15 a.m., Anabel Taylor Chapel.

Zen Buddhism
Zazen meditation: every Thursday 5:10 p.m., Anabel Taylor Chapel. Beginner's instruction every Tuesday 6:30 p.m., at Ithaca Zen Center, 312 Auburn St. For more information call 277-4364.

SEMINARS

Agronomy
"Soil Acidification Among the Conifers: Natural or Acid Rain?" Eric Pallant, Agronomy, May 5, 4 p.m., 135 Emerson Hall.

Applied Mathematics
"The Probabilistic Analysis of Combinatorial Algorithms," Richard M. Karp, University of California, Berkeley, May 1, 12:20 p.m., 207 Upson Hall.

"The Founding of the Center for Applied Mathematics," W.R. Sears, University of Arizona, May 1, 4 p.m., 322 Sage Hall.

Biochemistry
"The Cytomatrix," Keith Porter, Biological Sciences, University of Maryland, May 1, 4:30 p.m., 204 Stocking Hall.

Biophysics
"Membrane Channel Expression in Specific Cell Types of the Neocortex," Owen Hamill, Neurobiology and Behavior, May 6, 4:30 p.m., 700 Clark Hall.

Boyce Thompson Institute
"Transgenic Experimental and Domestic Animals," Thomas E. Wagner, director, Edison Animal Biotechnology Center, Ohio University, May 6, 2 p.m., James Law Auditorium, Schurman Hall.

Chemical Engineering
"Hollow Fibers as Substitutes for Packed Towers," Edward L. Cussler, University of Minnesota, May 4, 4:15 p.m., 145(a) Olin Hall.

Chemistry
"Design and Synthesis of Prostacycline Analogs," Arthur Kluge, Syntex Corp., May 4, 4:40 p.m., 119 Baker Laboratory.

"Photoelectrochemical Systems," Allen J. Bard, University of Texas, Austin, May 5, 11:15 a.m., 119 Baker Laboratory, Baker Lecture Series.

"The Kinetics of Intramolecular Energy Transfer: A Phase Space View," Gregory S. Ezra, Chemistry, May 7, 4:40 p.m., 119 Baker Laboratory.

Computer Services (Lunchtime BYTES)
"Interactive Environmental Modeling with Graphics," Pete Loucks, Civil and Environmental Engineering, April 30, 12:20 p.m., 100 Caldwell Hall.

Ecology and Systematics
"The Importance of Madagascar to Evolutionary Theory," Egbert G. Leigh, Jr., Smithsonian Tropical Research Institute, Panama, May 4, 4:30 p.m., Whittaker Room, A409 Corson/Mudd.

"Demographic Aspects of Residency and Migrancy in Birds," Raymond J. O'Connor, British Trust for Ornithology, United Kingdom, May 5, 4:30 p.m., Morison Seminar Room, A106 Corson/Mudd Hall.

Environmental Toxicology
"Chlorofluorocarbons and the Antarctic Ozone Hole," F. Sherwood Rowland, Chemistry, University of California, Irvine, April 30, 4:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Floriculture and Ornamental Horticulture
"Diurnal Water Flux Patterns of Kentucky Bluegrass," Mark Carroll, graduate student, May 7, 12:15 p.m., 37 Plant Science Building.

Food Science
"Biotechnology in Latin America," Rodolfo Quintero, CONACYT, Mexico City, May 5, 4:30 p.m., 204 Stocking Hall.

History and Philosophy of Science and Technology
"American Medicine Redefines Sex in the 20th Century: A History of Sex Endocrinology," Diana E. Long, director, Francis C. Wood Institute for the History of Medicine, College of Physicians of Philadelphia, May 6, 4:30 p.m., 165 McGraw Hall.

Immunology
"Mechanisms of Anti-Inflammatory Steroid Action," Dr. Robert Schleimer, Division of Clinical Immunology, The Johns Hopkins University of Medicine, May 1, 12:15 p.m., G-3 Veterinary Research Tower.

International Nutrition
"Urban and rural food consumption and anthropometric changes in Tunisia over time (1975, 1980 and 1985)," Julien Perisse, former chief, Nutrition Planning, Assessment and Evaluation Service, Food and Agriculture Organization, Rome, April 30, 12:45 p.m., 100 Savage Hall.

International Studies
"New Ground in Negotiated Agreements: Job Security and a Three-tier Wage System at the Packard Electric Division of General Motors," April 30, 4 p.m., 105 ILR Conference Center.

International Studies in Planning
"Macroeconomic Planning and Management: Crisis, Reassessment, Potential," May 1 and 2, 12:15 p.m., 115 Tjaden Hall.

Jugatae
"A comparison of hunting strategies and interactions among social wasp (Hymenoptera: Vespidae) prey foragers," Monica Raveret Richter, Entomology graduate student, May 4, 4 p.m., A106 Morison Room.

Management
"Management and Innovation in R&D Facilities," Thomas J. Allen, Sloan School of Management, M.I.T., April 30, 4:30 p.m., Founders Room, Anabel Taylor Hall.

Mechanical and Aerospace Engineering
"Low Dimensional Description of Complicated Phenomena," L. Sirovich, Brown University, May 5, 1 p.m., 282 Grumman Hall.

"Taylor Instability in Porous Media," Jean-Yves Parlange, Agricultural Engineering, May 5, 4:30 p.m., 282 Grumman Hall.

Microbiology
"Protein Phosphorylation in Microorganisms," Henry Reeves, Botany and Microbiology, Arizona State University, May 7, 4:30 p.m., 124 Stocking Hall.

Natural Resources
"Winter Behavior of the Eastern Coyote in Northern New York," John Green, Biology, St. Lawrence University, April 30, 12:15 p.m., 304 Fernow Hall.

Neurobiology and Behavior
"Development of a sexually dimorphic olfactory pathway in the moth, Manduca sexta," Anne M. Schneiderman, Biology, Yale University, May 7, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Ornithology
"The British Trust for Ornithology: Cooperative Work Involving Amateur Birders," Raymond J. O'Connor, director, British Trust for Ornithology, May 4, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

Peace Studies
"Nuclear Ethics," Joseph Nye Jr., Center on Science and International Affairs, Harvard University, May 1, 12:15 p.m., 153 Uris Hall.

Pharmacology
"Biochemical and Molecular Mechanisms of Lymphoid Growth Factors," Bill Farrar, National Cancer Institute, Frederick Cancer Research Facility, May 4, 4:30 p.m., Pharmacology Library, D101L Schurman Hall.

Physiology
"The Structures and Functions of Proteoglycans in Cells and Tissues," A. Robin Poole, director, Experimental Surgery Joint Disease Laboratory, Shriners Hospital for Crippled Children, Montreal, May 5, G-3 Veterinary Research Tower.

Plant Breeding
"Breeding Tomatoes for Cold Tolerance," Dick Robinson, Horticultural Science, Geneva Experimental Station, May 5, 12:20 p.m., 135 Emerson Hall.

Plant Pathology
"Studies on the molecular genetics of pathogenicity in Erwinia amylovora," Eva Steinberger, graduate student, May 5, 4:30 p.m., 222 East Roberts Hall.

Pomology
"The Effect of Ground Cover Management Practices on the Mite Predator Amblyseius Fallacis, Greg Smith, graduate student, May 4, 11:15 a.m., 114 Plant Sciences Building.

Psychology
"The Recovery of Unconscious (Inaccessible) Memories: Laboratory Studies of Hypermnesia," Matthew H. Erdelyi, Brooklyn College, May 1, 3:30 p.m., 202 Uris Hall.

Rural Sociology
"The Socio-economic Determinants of Child Nutritional Status in a Working-class Population: A Study of Squatter Settlements in Amman, Jordan," Rebecca Miles Doan, graduate student, development sociology, May 1, 3 p.m., 4 Warren Hall.

"Rural Development: Where Are We Now?" a symposium in honor of Professor Milton Barnett, May 2, 401 Warren Hall:
"Cultural endowments and economic development: What can we learn from anthropology?" Vernon Ruttan, agricultural economics, 9:45 a.m. Discussants: Kathryn March, anthropology; Donald Freebairn, agricultural economics; and Arthur Mosher, former president, Agricultural Development Council.

"If Chinese rural development was so successful, why are they abandoning it?" Mark Selden, sociology, SUNY-Binghamton, 2 p.m. Discussant: Vivienne Shue, government.

Society for the Humanities/Women's Studies Program
"Women, Science, and the Body: Discourses and Representations," a colloquium May 1, 2 and 3. Lectures will be held in the A.D. White House, unless otherwise noted. For more information, call Mary Jacobus or Mary Ahl at 255-4086.
May 1 lectures, moderated by Sally Shuttleworth:
"From Secrets of Life to Secrets of Death," Evelyn Fox Keller, Society for the Humanities and Northeastern University, 2:30 p.m.

"In Parenthesis: Immaculate Conceptions and Feminine Desire," Mary Jacobus, Society for the Humanities, 3:30 p.m.

"Nature Unveiling Before Science: Images of Women and Knowledge," Ludmilla Jordanova, University of Essex, 4:45 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

May 2, moderated by Joan Jacobs Brumberg:
"Female Hunger and the Discipline of the Female Body," Susan Bordo, LeMoyne College, 9:30 a.m.

"Female Circulation: Medical Discourse and Popular Advertising in the Mid-Victorian Era," Sally Shuttleworth, Society for the Humanities and the University of Leeds, 10:30 a.m.

"Speaking of the Body: A Discursive Division of Labor in Mid-Victorian Britain," Mary Poovey, Rutgers University, 11:45 a.m.

"Body Politics in the Seventeenth Century: Re-reading the Dialogue Between Science and Political Thought in the Construction of Gender," Rosalind Petchesy, Bryn Mawr College, 2:30 p.m.

"Embracing the Absolute: The Politics of the Female Subject in Seventeenth-Century England," Catherine Gallagher, University of California at Berkeley, 3:30 p.m.

"Technology, Representation, and the Feminine: Science Fictions," Mary Ann Doane, Brown University, 4:45 p.m.

May 3, moderated by Evelyn Fox Keller:
"The Politics and Language of Reproductive Rights," Elizabeth Fee, Johns Hopkins University, 9:30 a.m.

"Legal Discourse and Engendered Sex Difference," Zillah Eisenstein, Ithaca College, 10:30 a.m.

Calendar continued on page 11

Young children wrestle with the concept of Santa Claus

Children realize that Santa Claus is make-believe only after going through a relatively sophisticated intellectual struggle that is invisible to most parents, according to two psychologists.

On average, children stop believing in Santa at about age 7, and parents are aware of that. But parents overestimate how soon their children begin harboring serious doubts, according to Professor John C. Condry and graduate student Cyndy Scheibe, who is also an assistant professor at Ithaca College.

For example, 70 percent of the first graders they studied firmly believed in Santa Claus, but only 10 percent of the parents thought their children were still firm believers, they said April 24 during meetings of the Society for Research in Child Development in Baltimore.

"Nine out of 10 parents couldn't believe that their kids weren't doubters or disbelievers by the first grade, but children take time to consider the evidence for and against Santa," Condry said.

The psychologists — dressed as Santa and one of his elves — told their colleagues that, even when children begin to wonder just how Santa fits down the chimney and flies around the world in just one night, their belief remains intact.

"If a five-year-old hears someone say simply that Santa doesn't exist, his or her faith remains firm," added Condry. "After all, the child's entire experience has been one in which everyone he or she trusted said that Santa exists. The child saw Santa in department stores and on television. Presents appeared magically during the night. The evidence is overwhelmingly in Santa's favor.

"And when the child first suspected Santa might be phony, he or she ran to a parent; when first questioned by their children about Santa Claus, most parents maintain that St. Nick really does exist," Condry said.

Only when the five-year-old begins to have an explicit, alternative explanation — your parents bring the presents — does he or she begin to harbor serious doubts about Santa Claus. Then, the child takes time to consider carefully the evidence, pro (My parents said he is real, and I got lots of presents.) and con (He is kind of fat to get down chimneys.).

One child considered the pros and cons while staring intently at Condry as he played Santa at a Christmas party. "The beard's not real," she announced, "and he's wearing sweat pants underneat his outfit!"

Condry and Scheibe based their report on interviews with children in first through sixth grades in Cedar Rapids and Marion, Iowa; questionnaires completed by the children's parents, and questionnaires answered by sixth graders in the two Iowa towns and in Ithaca.

"There is no evidence that this process is harmful to children. In fact, it may be beneficial," Condry said. "Once children know the truth, they don't hold it against their parents for 'deceiving' them. And without realizing it, they've learned to evaluate competing claims and make a decision about what is true."

Interestingly enough, though, a child's realization that Santa Claus is make-believe has little effect on belief in the Tooth Fairy or the Easter Bunny, Condry added.

"Each fantasy character is believed or doubted on its own terms," he said.

— Mark Eyerly

Visual cues help infants keep their balance, psychologists say

Infants who have been walking for less than one year already have developed most of the visual skills they will use to maintain their balance throughout adulthood, say two psychologists.

"Babies are actively using optical information that people aren't aware that they use at all," Eleanor J. Gibson said April 24 during meetings of the Society for Research in Child Development in Baltimore.

"If a two-year-old child is still walking quite clumsily, I'd think that his eyesight should be examined," she added. "Maybe he doesn't have good peripheral vision."

Gibson, professor emeritus of psychology and an internationally recognized expert on perceptual development in children, and psychology graduate student Mark A. Schmuckler studied how infants respond to central and peripheral optical flow.

Optical flow occurs when a person moves in relation to his environment or when a person stands still but the surroundings move. For example, when one drives an automobile, the billboards, buildings and cars that one passes to the right and left create a peripheral optical flow, while the bridge up ahead creates a central optical flow as the driver moves toward it.

Researchers have known that adults use peripheral vision to maintain their balance while walking and use central optical flow to guide their direction. That distinction makes human locomotion seem mentally effortless. That also is why it's a challenge to stay upright while walking through a fun-house hallway when the patterned walls on both sides are moving, even though the floor and the wall straight ahead remain still.

Gibson and Schmuckler wondered how quickly infants who are just beginning to stand and walk make the distinction between central and peripheral flow.

To find out, they designed their own moving room and moving hallway. Infants were asked to stand or walk while playing with their mothers or fathers as an experimenter discreetly moved the plywood walls to the front and sides of the infant. Some 50 hours of videotape were analyzed to determine at what stages the infants could maintain their balance.

In the moving room, infants who had been walking only a few months lost their balance and fell to the padded floor when either the front or the side walls moved. But more experienced walkers — those with more than five months of walking under their feet — fell only when the side walls moved, and sometimes not even then. Swaying to maintain balance was common, though.

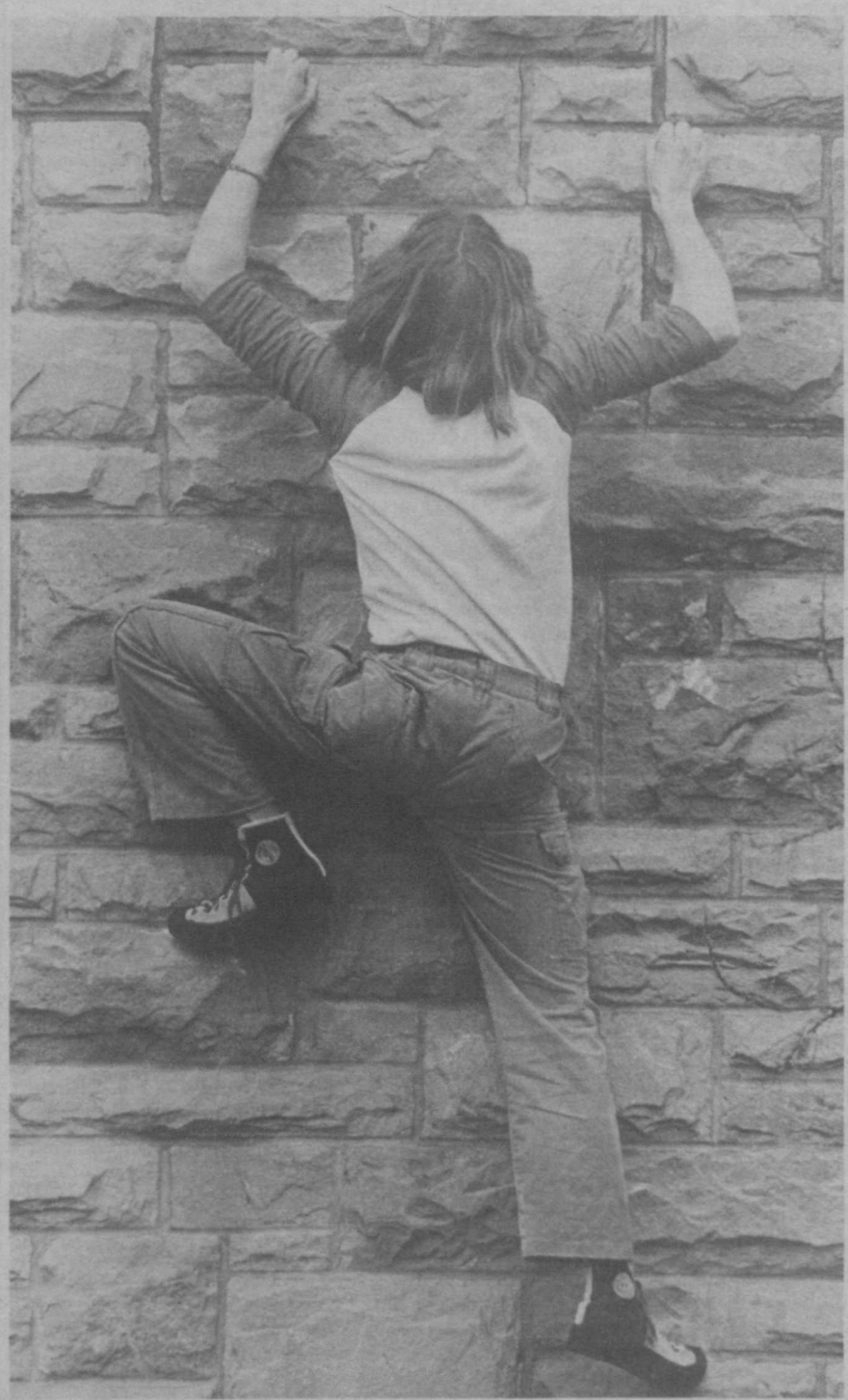
In the moving hallway, 32 infants — 16 of whom had been walking for five months or less and 16 of whom had five months to one year of walking experience — were asked to stand and then to take brightly colored golf balls from one end of the hallway to their mother or father at the other end. As the child stood, and then walked along the hallway, an experimenter made the walls slide.

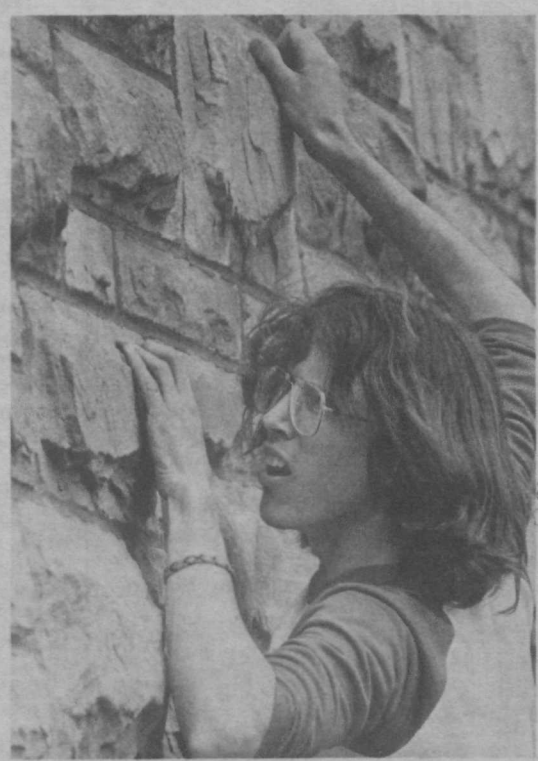
Again, the more experienced walkers adjusted better to changes in the optical flow patterns, while novice walkers lost their balance more often.

But both novice walkers and those with up to one year's experience were affected more by the moving walls when rubber pylons were placed in the hallway, Gibson and Schmuckler found. They had expected the experienced walkers to focus on the pylons as part of their central optical flow, helping them negotiate the path and reducing the effects of changes in peripheral vision.

The psychologists plan to include two- and three-year-olds in their next study. They anticipate that those children will negotiate the pylons successfully, and be able to maintain their balance as well as adults do when faced with an obstacle course during changes in peripheral optical flow.

— Mark Eyerly





Climbing the walls

Craig Hart, a graduate student from Plymouth, Mass., prepares on the wall above Libe Slope for a summer of real rock climbing in the Catskill Mountains. Hart is studying molecular biology. It takes a lot of work to build enough strength in the fingers and legs to climb a wall. It takes rocks to do the real thing.

Photos by Claude Levet

Program mixes music, dance, films

"Dance Concert '87," an evening of new choreography created and performed by Theatre Arts' Dance Program students and faculty, will open May 7 in Willard Straight Theatre.

This year's concert, funded in part by the Cornell Council of the Creative and Performing Arts, will include the work of guest choreographer Mitchell Rose.

Rose's work, a combination of dance comedy and theatre, has been performed at the Spoleto Festival, Jacob's Pillow Dance Festival, the New York Dance Festival and the International Mime and Clown Festival.

For "Dance Concert '87," Rose has created a new work to "Excursions," a piano solo by Samuel Barber. It is "a dark, mad, humorous dance of physical and verbal non-sequiturs exploring people on a psychological precipice," Rose said.

Also on the program, faculty member Lonna Wilkinson and partner Bruce Jones will dance to Piano Canon No. 2 by Ithaca composer Eric Feinstein in a piece that incorporates a film by Theatre Arts faculty member Marilyn Rivchin.

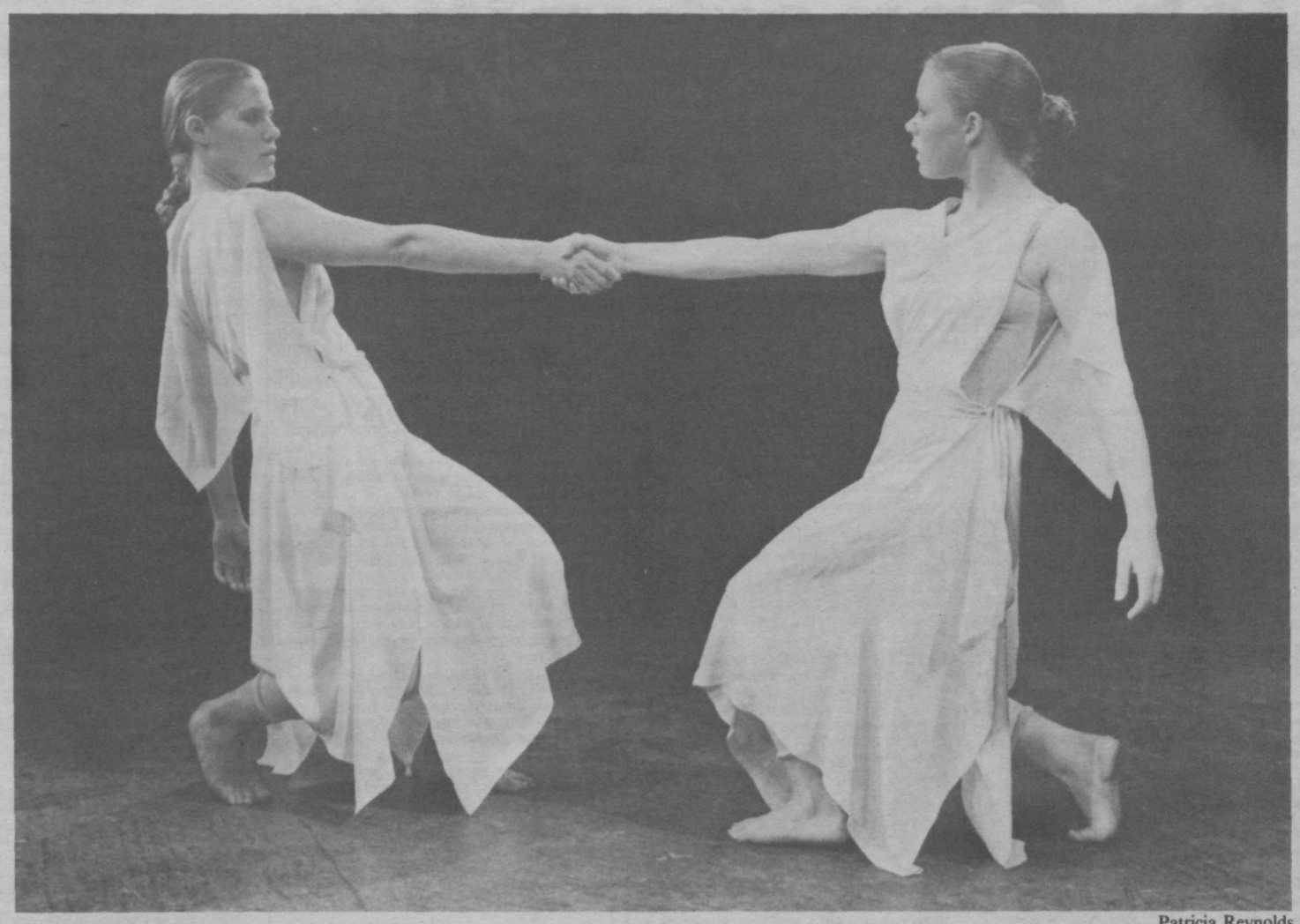
Film, music and dance will be combined again when Karen Purcell and Keira Kuhs perform a duet to "Street Song" by Carl Orff and to a film by Dawn Matus.

The music of David Borden will accompany a trio for three women created by dance student Ann Boyd. Borden's music, well-known to Ithaca audiences, is again featured in a quintet of unrestrained kinetics and extended bodies designed by Lynette Klawon to both exhilarate and relax the audience.

Visiting faculty member June Finch has created a piece for 15 dancers to Chopin's Polonaise No. 7 in A flat, and will also perform a solo to her own poetry.

Faculty members Holly Lau and Joyce Morgenroth have choreographed original work for this year's concert. Lau has created a trio exploring public and private faces to a quintet composed by music department doctoral candidate Chris Kaufman. And Morgenroth has created a quintet for four women and a man to "Sonata for Two Pianos" by Igor Stravinsky.

"Dance Concert '87" will run May 7–9 at 8 p.m. and May 10 at 2:30 p.m. Tickets may be purchased from the Theatre Cornell Box Office or by calling 607–255–05165, 12:30 to 5:30 p.m. Monday through Saturday. Tickets for Thursday evening and Sunday Matinee performances are $4.50 for adults and $3.50 for students and senior citizens. Friday and Saturday night performances are $5.50 for adults, $4.50 for students and senior citizens. Special discounts are also available for groups of 15 or more.



Patricia Reynolds

Keira Kuhs and Karen Purcell perform 'Onna' in 'Dance Concert '87,' an evening of new choreography and music by faculty and students of the Theatre Arts Department's Dance Program and others. Performances will be given May 7–10 in Willard Straight Theatre.

Gamelan music, voice ensemble will be offered

Five free concerts will be given on campus this week, beginning with "An Evening of Indonesian Theatre and Gamelan Music," to be presented by the Gamelan Ensemble of Cornell, Philip Yampolski directing, on May 1.

Shadow-puppet plays performed in Javanese by guest artist puppeteer Sumarsam, the reading of a short story by renowned author Putu Wijaya, and both accompanied by the Javanese gamelan, an orchestra of bronze instruments, stringed fiddle, and pentatonic xylophones will highlight the perIt will begin at 7:30 p.m. in Barnes Hall.

"Nothing But Treble," under the direction of Susan Davenny Wyner, will present their "Spring Forward" concert of choral works for women's voices May 2 at 8:15 p.m. in Sage Chapel.

The program, which spans both scared and secular texts of the 16th through 20th centuries, was chosen for the range and variety of its affects and for the colorations and dramatic nuances the composers Thomas Arnes, Orlande de Lassus, Tomas Victoria, Claude Mondeverdi, Johannes Brahms, and James S. Grant have asked of the treble voices.

Wyner, a professor of voice, is an acclaimed soprano soloist. She has performed with major American and Canadian orchestras and for recordings.

The Cornell Symphonic Band and Wind Ensemble will give a joint recital May 3 at 4 p.m. in Bailey Hall. Marice Stith will conduct, with the assistance of David Brackett, and Stephen Shewman will perform a horn solo.

The band will perform works by Laurendeau, Curnow, Farrar, Bartok, Lithgow, and Anderson in the first half of the concert, and the wind ensemble will play pieces by Gould, Smith, Lewis, Jenkins, Bernstein and Gershwin in the second. Together, they will play "Pineapple Poll" by Arthur Sullivan for the finale.

The Oneonta-based Catskill Chamber Players, the performing arm of the award-winning Catskill Conservatory, will feature music by artist-in-residence Yehudi Wyneron May 3 at 8:15 p.m. in Barnes Hall auditorium.

Christian Steiner

Susan Davenny Wyner

Wyner, a visiting professor, is dean of music at SUNY-Purchase, a member of the Berkshire Music Center in Tanglewood, a keyboard artist of the Bach Aria Group and the author of many works published by Associated Music Publishers.

The Catskill Chamber ensemble will perform his "Tanz and Maisselle," "On This Most Voluptuous Night," " Passage," and "Serenade." This concert is also sponsored in part by the Cornell Council of the Creative and Performing Arts.

Chamber music performed by student of Sonya Monosoff will be featured in a recital May 4 at 8:15 p.m. in the Barnes Hall auditorium. Sam and Amy Huang, violin and piano, will perform Johannes Brahms' Sonata in A Major, Op. 10 and Claude Debussy's "Sonata;" Jonathan Ivry, violin, and Christopher Kokkinos, piano, will play Beethoven's Sonata in F Major, Op. 24."

Monosoff, a professor of violin and a member of the Amade Trio, has been praised for her recordings and numerous solo and ensemble recitals in the United States, Canada, and Europe.

(A recital by Carl Blake, scheduled for May 7 in the Barnes Hall auditorium, has been postponed until May 22.)

Theatre workshop to present Baldwin's 'The Amen Corner'

The Africana Studies and Research Center's Black Theatre Workshop will present "The Amen Corner," a drama by James Baldwin, for two performances in Anabel Taylor Auditorium, May 3 at 7 p.m. and May 4 at 8 p.m. Admission will be free.

"The Amen Corner" is the story of Sister Margaret, pastor of a Harlem storefront church in the 1950s, and her attempts to deal with the needs and desires of her struggling congregation and, at the same time, the conflicting demands of her personal and family life. The drama was originally produced on Broadway in 1965 and revived in musical form in 1984.

Its author, James Baldwin, is the well-known novelist, essayist and civil-rights activist whose writings often prod the conscience of America on the gap between its promise and its performance.

The presentation, which is being entirely produced, directed and acted by students in the center's Advanced Seminar in Black Theatre and Dramatic Literature, will feature alternate casts.

New York playwright and film producer William Branch, a visiting professor, is supervising the production.

Commencement volunteers

Plans are well under way for university's 119th commencement ceremony, to be held at Schoellkopf Field May 31 beginning at noon. Approximately 5,400 graduate and undergraduate students are expected to receive degrees that afternoon.

One of the keys to a successful event are the 350 volunteer ushers who assist in seating the graduates and the 23,000 expected guests, commencement organizers said. The number of ushers was increased this year by 50 people to accommodate the growing number of guests attending, said Vickie Goss, commencement coordinator.

"The ushers play an extremely important role during commencement," Goss said. "The need for ushers is always great. We couldn't do the work without them."

There are four groups of ushers for commencement: Schoellkopf Field ushers provide direction to guests at the stadium; procession ushers assist in lining up graduates and proceeding with them from the Arts Quad to the stadium; graduate seating ushers assist graduates and faculty on the field; and ushers for the mobility impaired assist guests with special needs.

Some members of the Cornell community volunteer to work for commencement year after year. Among them is women's volleyball team coach Andrea Dutcher, who is also a candidate for a master's degree in industrial and labor relations this year.

"I'm going to usher until the procession starts to move, and jump in line at the last minute," Dutcher said.

She has been ushering at commencement for five years, and said it is an event she wouldn't miss.

"Commencement at Cornell is outstanding," Dutcher said. "Everyone gets a thrill out of this massive celebration — our send-off to the students. It's truly impressive, and besides, you have a lot of fun."

Volunteers receive compensatory time for their work. Employees who volunteer to help are granted time off equal to their standard work day. And they are invited to a reception with President Frank H.T. Rhodes where they receive inscribed souvenir mugs.

Employees interested in volunteering to be an usher may contact the Commencement Office at 255–9541 between 1 and 5 p.m. on Tuesday, Thursday or Friday for more information.

— James A. Mazza

Job Opportunities

April 30, 1987
Number 14
University Personnel Services
Cornell University
160 Day Hall
Ithaca, New York 14853-2801

Employment and employee transfer applications forms are available at both Staffing Services locations–160 Day Hall and East Hill Plaza.

-Requests for referral and/or cover letters are not accepted unless specified in the ad.

-Cornell University is an Affirmative Action/Equal Opportunity Employer.

-This listing is also available on CUINFO, Cornell's computerized info service.

Administrative and Professional

Minimum salaries listed are for recruitment purposes only.

ASSOC. PROVOST/ASSOC. VICE PRES.
As Cornell's chief AA/EEO officer, the Assoc. Provost/Assoc. Vice Pres. is responsible for providing leadership in coordinating and monitoring the University's academic and nonacademic affirmative action policies and programs. Working with deans and executive staff, he/she will also assist in the design, monitoring, and evaluation of the new Cornell human relations program. This individual will report directly to the President on general policy matters and to the Provost and Senior Vice President on matters related to areas of their responsibility.
The Assoc. Provost/Assoc. Vice Pres. provides leadership for all affirmative action programs, including direct responsibility for the Office of Equal Opportunity and the Academic Personnel Office and related activities. Advises faculty search committees, hiring units, Office of Human Resources on AA/EEO recruitment strategies. Provides counseling and/or mediation in cases of alleged discrimination/harassment. Also responsible for the maintenance of the University's affirmative action plan/reporting requirements. Assists the Provost's Review Committee with faculty tenure/promotion recommendations.
As general advisor to the President on the Cornell Human Relations Program, assists in the program design and monitoring while providing advice and review to all campus units in developing and supporting a positive human relations environment.
QUALIFICATIONS: Demonstrated personal commitment to AA/EEO with successful experience in relevant program design, management and evaluation. Sound knowledge of Cornell's academic and nonacademic functions. Strong interpersonal and communication (written and oral) skills with successful counseling/mediation experience. Academic appointment desirable, but not essential.
Nominations and applications should be sent to: President's Office, 300 Day Hall, Cornell University, Ithaca, New York, 14853 by Friday, May 8, 1987.

ADMISSIONS COUNSELOR (P151) Undergraduate Admissions
Responsibilities involve activities related to visitors (hosting) & Student Volunteers (Ambassadors). Coord. Group Admissions Conferences & Group Visitation Programs, travel to do school visits; primary liaison with student Ambassadors.
Req.: BA Exc. public speaking, interper., & org. skills; exc. writing skills; exp. as undergrad working in admissions rel. position, such as admissions asst., tour guide, or intern pref. Some weekend & evening work; some travel. Send cover letter & resume to Cynthia Smithbower by 5-22.

TECH. SERVICES SUPERVISOR (PT156) Vet. Med. Teaching Hospital
Participate in operation & supv. of day-to-day activities of Clinical Path. Lab. Schedule & supv. staff; implement & schedule training programs; use & maintain equip.; purchasing. Act as liaison with Comp. Svcs. Dept.
Req.: BS in Med. Tech. & ASCP cert. pref. 5 yrs. exp. in clinical lab. & 1 yr. supervisory exp. req. Submit cover letter & resume to Judi Pulkinen by 5/15.

ADMISSIONS COUNSELOR (PA157) Arts & Sciences Admissions
Provide leadership & coordination in reg'l. recruiting & selection, assist Sr. Assoc. Dir. in Arts Ambassador activities & on-campus activities.
Req.: BA in liberal arts. Some admission exp. & knowl. of admissions marketing. Exc. comm. skills. Good analytical & interper. skills. Send cover letter & resume to Cynthia Smithbower by 5-22.

ASST. DIRECTOR (PA158) Arts & Sciences Admissions
Provide leadership & coordination in reg'l. recruiting & selection, Minority Admissions & faculty participation in group conferences.
Req.: BA in liberal arts; advanced degree pref. 3 yrs. admissions, teaching or advising at a liberal arts college. Knowl. of admissions marketing & electronic admissions systems. Exc. analytical, interper. & comm. skills. Fluency in Spanish pref. but not req. Send cover letter & resume to Cynthia Smithbower by 5-22.

EXECUTIVE STAFF ASST. (PC152) New York City Cooperative Extension
Under general supv. of NYC EFNEP, coord. will perform tasks related to planning, implementation, evaluation & operation of EFNEP & special projects in NYC.
Req.: BS-Food & Nutrition/Community Health or Health Ed. Exc. writing skills. Able to work with a variety of people. Min. 1 yr. job-related exp. Willingness to travel. Valid driver's license. Send cover letter & resume to Esther Smith.

ADMINISTRATIVE MANGER I (PG154) Residence Life
Responsible for mid-mgmt. of housekeeping functions involving 7 major dorms & several smaller living units for approx. 2000 students. Supervise staff of 27 exempt & nonexempt. Direct all aspects of personnel staffing, training, scheduling, performance, etc. Coord. quality assurance, purchasing, inventory, furnishing & contract service. Assist in planning, budget development & analysis.
Req.: Min. 4 yrs. exp. in mid-level mgmt., pref. in institutional housekeeping setting. Candidate should possess highly developed comm. skills, both written & oral, strong background in human resource development & be skilled in admin. detail. BA in related area pref. Send cover letter & resume to Bill Webster, Staffing Services, East Hill Plaza.

RESEARCH SUPPORT SPECIALIST (PT155) Horticultural Sciences-Geneva
Supv. dept. activities of Vineyard Lab., Fredonia, NY. In conjunction with viticulture professor, plan, conduct & present results of vineyard floor mgmt. research. Assign general work activities of other employees & maintain records documenting allocation of resources by project.
Req.: BS, 4 yrs. viticultural research exp. or equiv. Knowl. of viticultural skills, pest control, scientific methodology, use of computers, statistics. Send cover letter & resume to R.L. Andersen, NYSAES, Box 15 Roberts Hall, Cornell University.

RESEARCH SUPPORT SPECIALIST III (PT1510) Materials Science Center
Provide maintenance, operation & expansion of research functions of ultra-high vacuum scanning transmission electron microscope (UHV-STEM). Resp. cover electronic, mehcanical & vacuum systems, oversee use & operation of instrument. Train users & assist in advanced experiments.
Req.: BS in physics, elect., or mech. engineering. Exp. in operation of advanced analytical equip. desir. Send cover letter & resume to Judi Pulkinen by 5-15.

SENIOR ADMINISTRATOR (PA159) Nutritional Sciences
Reporting to dir., serve as nonacademic administrator for Div. of Nutritional. Sci. Responsible for financial planning & monitoring, grant mgmt., personnel, admin. computing, facilities mgmt., lab animal facilities, & major bldg. program.
Req.: MBA or equiv. pref. Min. 5 yrs. admin. exp. in academic unit necessary. Send cover letter & resume to Cynthia Smithbower by 5-15.

DIRECTOR, MAINTENANCE RESOURCES (PA1511) Maintenance Management
Direct all Endowed & Statutory maint. funds for bldgs., grounds & cust. care. Control allocations of approx. $14 million per yr. Plan, coord., sched., & control maint. for approx. $7 million sq. ft. of academic/research space. Manage 2 superint. resp. for approx. 300 represented grounds & custodial service workers.
Req.: BS req., Engr. or Arch. pref. or extensive equiv. exp. in maintenance field may be substituted for tech. degrees. Considerable exp. in maint. or construction field. Demonstrated comm. skills, including written & oral presentations. Ability to manage multiple projects & large staff. Send cover letter & resume to Cynthia Smithbower by 5-8.

MANAGER, DIRECT MAIL (PC153) University Press
Responsible for planning & carrying out seasonal direct mail campaigns for 150 books/yr. Draw up proposals; conduct list research; order lists; write copy; oversee work of designers, typesetters, printers & mailing houses; keep accts. & records; analyze returns, assist with preparation, editing, & proofreading of 2 seasonal catalogs/yr. & with dust jackets, press releases & sales letters.
Req.: BA or equiv. Min. 3 yrs. in publishing pref. Writing exp. nec. Exp. in marketing desir. Send cover letter, resume & writing samples to Esther Smith.

STAFF WRITER II (PC148) University Development
Development communications seeks 3rd staff writer responsible for a variety of communications that foster mutually rewarding relationships between Cornell & corporations, foundations & alumni—leading to increased confidence in & financial support of Cornell.
Req.: BA in English, Journalism, Marketing or Comm. Arts or equiv. Able to do original writing as well as re-writing, ghostwriting & editing. Exp. in newswriting, advertising, public relations, fund raising or higher ed. helpful. Position becomes available this summer, but freelance assignments in interim may be arranged. Apply by 5-8 in writing to Gil Ott, Dir., Dev. Operation, 726 University Ave. Enclose 3 or more, fiction or non-fiction, writing samples. For further information contact Sandi Gurowitz, Dir., Dev. Communications, 255-9699.

ASSISTANT DIRECTOR (PA136) Human Ecology Admissions
Participate in planning & coordination of recruitment activities. Coord. systems support for admissions & research. Conduct info. programs, advise & counsel prospective students, travel to schools & community colleges. Assist with publications & coord. a selection committee.
Req.: MS in ed., comm. or human ecology helpful. Exp. in admissions, public relations, ed. or related fields. Strong verbal & written comm. skills. Mgmt. & computer exp. helpful. Submit cover letter & resume to Cynthia Smithbower by 5-15.

ASST. CURRICULUM DESIGNER (PC144) Plantations
Assist in design & writing of an elemen. sci. curriculum focused on the Life Sciences; assist in implementing & evaluating curriculum working closely with elemen. school teachers.
Req.: BS in bio. sci. or related field or equiv. req. Min. 2 yrs. elemen. teaching exp. Able to work with teachers in a leadership role. Demonstrated ability in curriculum develop. & writing. Send cover letter, resume or call in confidence to Esther Smith (607-255-6878) by 5-15.

ASST. DIRECTOR OF CORPORATE DEVELOPMENT (PA146) University Development
Assist dir. in development & stewardship of University's relationship with private corps. Coord. initiatives with staff, faculty, alumni & corp. officers designed to increase corp. support for Univ. Assist in overall coord. of broad range of non-individual fund-raising programs at CU. Provide assist. to Univ. executive staff, deans & faculty in develop. & admin. of programs & activities designed to attract & facilitate appropriate corp. involvement covering a broad range of activities & programs.
Req.: BA. Adv. degree desir. Knowl. of private corporations. Ability to comm. persuasively orally & in writing. Analytic ability & familiar with computerized records. Willingness to travel. Exp. in 1 or more of the following areas: corp. public rel. or comm., research admin., marketing, univ. public aff. or development, or other approp. exp. in corp. sector. Send cover letter & resume to Cynthia Smithbower by 5-1.

ASSISTANT DIRECTOR, STATE PROGRAMS HEOP-EOP (PA428) State Programs Office-Repost
Assist in providing programmatic accountability to univ. & state programs office for HEOP-EOP programs. Aid in develop. & comm. to univ. officials for new proposals, as well as, program structure & changes affecting mgmt. & continuation of program. Field recruiting of students in coord. with univ. recruiting for admissions office & individual colleges.
Req.: MS or equiv. pref. in student personnel admin., higher ed. admin., social sci. or related field. Some exp. in student pers. svcs. or counseling. Send cover letter & resume to Cynthia Smithbower.

ASSISTANT DEAN (PC134) Graduate School
Respons. for overall coord. & mgmt. of admissions & records functions of grad. school; interpret grad. legislation; special projects as assigned.
Req.: MS or equiv., Ph.D. pref. Understanding of grad. ed. essential; knowl. of Cornell grad. system highly desir. exp. with IBM mainframe & micro-computers req.; programming exp. desir.; an understanding of design & use of large databases essential. Exc. interper. skills. Able to work independ. Send cover letter & resume or call in confidence to Esther Smith (607-255-6878).

Clerical

REGULAR EMPLOYEES Submit an employee transfer application, resume & cover letter. Career counseling interviews are available by appt. **EXTERNAL APPLICANTS** Submit an employment application & resume. Interviews are conducted Wed. from 1-6pm at Staffing Services, East Hill Plaza by appt. Contact Esther Smith (255-6878) or Lauren Worsell (255-7044).

ADMINISTRATIVE AIDE, GR19 (C1512) Trust Office-Public Affairs
Provide admin. & sec. support to Trust Offc. staff. Process security, trust & estate gifts; maintain & update files, draft corresp.; prepare reports.
Req.: AAS in Busn. Admin. or equiv. Min. 1-3 yrs. admin./sec. exp. Strong math & org. skills. Confidentiality a must.
Minimum Biweekly Salary: $457.09

ADMINISTRATIVE AIDE, GR19 (C1511) Ornithology
Maintain lab tracking system of individual, foundation & corporate gifts. Assist dir. of public affairs in preparation of corresp., proposals, & other written materials. Will consider 30 hr. week applicant.
Req.: AAS or equiv. Some related exp. Med. typing. Familiar with offc. computer systems; particularly data entry & WP. Exc. org. skills. Good typing & proofreading skills. Sincere interest in promoting goals of Lab of Ornithology.
Minimum Biweekly Salary: $457.09

ADMINISTRATIVE AIDE, GR19 (C158) Controller
Provide backup sec. support for dept. administrators. Resp. for dept. supplies, equip. inventory, requisitions & purchase orders; assist in data entry; provide coverage as receptionist as needed.
Req.: AAS in busn./acctg. or equiv. WP exp. essential. Exc. org., interper. & comm. skills. Familiar with CU procedures.
Minimum Biweekly Salary: $457.09

RESEARCH AIDE, GR21 (C157) Neurobiology & Behavior
Provide admin. support to professor & research group. Assist in preparation of research grants; & reports; type & proofread scientific papers; serve as liaison with on & off-campus contacts in setting up meetings, workshops, lectures; coord. travel; handle daily corresp.; maintain files; order supplies; other duties as assigned.
Req.: BS or equiv. Scientific background helpful, particularly in Biology. Min. 3-5 yrs. sec. exp. Heavy typing. WP exp. req. Exc. org. & comm. (written & oral) skills. Able to work independently.
Minimum Biweekly Salary: $512.32

ACCOUNTS COORDINATOR, GR21 (C1510) Controller
Assist plant accountant with debt schedules & related work. Invoice state agency for construction borrowing needs; reconcile borrowing agency reports to CU books & prepare journal entries; reconcile CU bank accts., resolve discrepancies & prepare approp. journal entries.
Req.: AAS in acctg., busn. or equiv. Min. 2 yrs. related work exp. Light typing. Familiar with PC.
Minimum Biweekly Salary: $512.32

EDITORIAL ASST., GR21 (C154) CRSR
Primary resp. as editorial asst. for monthly journal, ICARUS, the major scientific publication in planetary studies; provide clerical assistance; scientific typing. Other duties as assigned. 1 yr. appt.
Req.: AAS or equiv. Exc. command of English, style & grammar. Able to keep exc. records. Some knowl. of astronomy & mechanics of journal production would be helpful. WP skills essential.
Minimum Biweekly Salary: $512.32

ACCOUNTS COORDINATOR, GR22 (C1513) Summer Session
Supv. all Summer Session & Extramural accts. Statutory & Endowed. Review special program budgets; appoint faculty, staff, prepare bi-weekly payroll vouchers; prepare invoices, etc.; post income & expenses on IBM PC; balance monthly operating statements; prepare finan. summaries & reports; supv. Accts. Asst.
Req.: AAS or equiv. Light typing. Strong background in bookkeeping or acctg. Familiar with CU endowed acctg. system essential. Knowledge of state acctg. system helpful. Proficiency with IBM XT & Lotus 1-2-3 essential. Exc. interper. & supv. skills.
Minimum Biweekly Salary: $539.94

ACCOUNTS COORDINATOR, GR24 (C1514) Restricted Fund Accounting
Monitor biannual activities of restricted accts. Prepare & submit billings to sponsors; monitor receivables; correspond with sponsor & CU community; defend acctg. system to auditors.
Req.: BS in acctg., busn. or related field. Strong acctg. background. Familiarity with CU acctg. system pref. Exp. with IBM-PC (symphony) pref. Exc. comm. skills needed.
Minimum Biweekly Salary: $607.21

SECRETARY, GR20 (C146) Dean's Office-Law School
Provide sec. support to Law School Dean, Assoc. Dean & Building Mgr.
Req.: AAS or equiv. Med. typing. WP & spreadsheet software exp. Strong comm. (written & oral) skills. High level of confidentiality. Able to set priorities & work in a complex, active environment.
Minimum Biweekly Salary: $482.33

RESEARCH AIDE, GR20 (C131) Classics
Operate Kurzweil optical scanner, converting printed texts into computer files, for CU Center for the Computerization of Greek Inscriptions. Scanning texts in Greek & Latin & Classical texts for similar projects at other institutions; organize copies of material scanned; correspond with & provide tech. consultation svcs. to other institutions; train others to use scanner. Until 8-88.
Req.: BA in Classics, humanities, history, or rel. field desir. Prof. in Ancient Greek req. WP exp. Some knowledge of Latin helpful. Exc. org. & interper. skills necessary. Send cover letter, resume or call in confidence to Esther Smith (607-255-6878).
Minimum Biweekly Salary: $482.33

General Service

REGULAR EMPLOYEES Submit an employee transfer application to Staffing Services, East Hill Plaza. **EXTERNAL APPLICANTS**: Employment applications are available at Staffing Services, East Hill Plaza 9-noon, Mon.-Thurs.

ASST. ENVIRONMENTAL SAFETY TECHNICIAN, GR20 (G152) Environmental Health
Responsible for maintenance of ongoing programs involving radioactive waste, central receiving of radioactive materials & dosimetry.
Req.: H.S. dip. or equiv. AAS with coursework in math & sci. pref. Valid NYS driver's license req., good driving record essential. Lab exp. desir. Minimum Biweekly Salary: $482.33

ANIMAL HEALTH TECH., GR20 (G153) Vet. Medical Teaching Hospital
Assist, supervise & advise sr. student AHT externs & staff on proper procedures & treatments for all aspects of animal health care for clinical patients.
Req.: AAS in Animal Health Technology; NYS licensed Animal Health Tech. 2 yrs. exp. with small animals. Able to lift 100 lbs. with assistance. Pre-employment physical req.
Minimum Biweekly Salary: $482.33

ANIMAL HEALTH TECH., GR20 (G154) Vet. Medical Teaching Hospital
Provide critical care of small animals involving supervising entry of patients to ICU, approp. monitoring & treatments, supv. drug & equip. inventory, cardio pulmonary resuscitation & 02 therapy. Notify clinician of major patients condition. Maintain ICU area. Mon.-Fri., Midnight to 8 a.m. & 4 p.m.-midnight on rotating basis; some holiday coverage.
Req.: AAS in Animal Health Technology; license Animal Health Technician. 2 yrs. exp. working with small animals. Able to lift 100 lbs. with assistance. Pre-employment physical req.
Minimum Biweekly Salary: $482.33

MAINTENANCE SUPERVISOR, SO24 (G156) Animal Science-Statutory
Assist Trades Supv. in functions of plant operation, building & grounds & security of complex research & training center. Involves prevent. maintenance & repair on elect., pneumatic, heating, a/c, & ventilating equip., incl.: refrigeration units, fire alarms systems & controls, etc.
Req.: H.S. dip. or equiv. NYS Class 3 driver's lic., Grade C Water Treatment lic., & formal training in refrigeration. Min. of 5 yrs. exp. in above trades areas. Transfers apply by 5-7.
Minimum hourly rate: $7.92

SALES ASST., GR16 (G013) Campus Store-repost Operate cash register; wait on customers; stock assigned areas. Operate copy machine & Macintosh PC in Copy Center. Functional supv. of student employees. Noon-9 pm; some weekends.
Req: H.S. dip. or equiv. 6 months retail sales exp. pref. Exc. interper. & comm. skills req. Familiar with Macintosh PC's.
Minimum Biweekly Salary: $390.08

SALES ASST., GR15 (G141) Campus Store
Provide customer srvc. incl. direct customer contact on sales floor & operation of cash register; stock shelves, price merch., & maintain overall dept. appearance. Process mail & telephone orders. Operate heat transfer machine.
Req.: H.S. dip. or equiv. 6 months retail exp. pref.; ability to operate or learn to operate electronic cash register & heat transfer machine req.; good comm. skills a must.
Minimum Biweekly Salary: $371.48

SALES ASST., GR17 (G142) Campus Store
Provide customer srvc. incl. answering photography & electronic product (e.g. calculators, radios) questions. Process phone orders & operate electronic cash register. Price & shelve merchandise. Maintain overall dept. appearance; some light cleaning.
Req.: H.S. dip. or equiv. 1-3 yrs. sales exp. req. (pref. in photography or related products); ability to operate or learn to operate elec. cash register req.; good comm. skills a must.
Minimum Biweekly Salary: $409.53

ANIMAL ATTENDANT, SO18 (G143) Avian & Aquatic Medicine-Statutory
Care & feeding of breeding & growing flocks of chickens. Set & hatch eggs; identify chicks by wing-banding; clean & disinfect buildings & equip. at Levine Lab SPF farm. Subst. care of highly isolated SPF breeder facility (shower-in unit), including artificial insemination, blood sample collection, setting & hatching eggs on pedigree basis, care of replacement stock, feed fumigation, recordkeeping, judge bird breeding status. Daily care of bldg. Substitute care of birds in isolation units at the Poultry Virus Isolation Bldg. Mon.-Fri., 7:30-4:00.
Req.: H.S. dip. or equiv. Training in lab animal care desir. 1-2 yrs. animal caretaking (pref. poultry). NYS driver's license. Pre-employment physical req. Able to lift 100 lbs.
Minimum hourly rate: $5.71

DRAFTER, GR19 (G461) Facilities Engineering (Repost)
Respon. for drafting & updating floor plans & space related data. Update ink on mylar drawings & floorplans on file for campus facilities. Create new floor plans, as needed, using construction drawings. Calculate, collect & verify filed info.
Req.: AAS in arch. or const. technology. 2 yrs. drafting exp. pref.
Minimum Biweekly Salary: $457.09

Technical

REGULAR EMPLOYEES: Submit an employee transfer application, resume & cover letter. **EXTERNAL APPLICANTS:** Submit an employment application, resume, & a list of laboratory techniques/equipment, or computer languages/hardware with which you are familiar. Submit a cover letter for each position for which you apply, (specify title, dept. & job number) to Judi Pulkinen, 160 Day Hall. Interviews are conducted the first Thursday of each month from 1:30-4:30 p.m. at Staffing Services, East Hill Plaza. The following backgrounds are highly desired: biochem., chem., microbio., elect., physics, lic. animal health tech. No appt. is necessary, however a brief wait may be required.

TECHNICIAN, GR18 (T157) Equine Drug Testing
Perform analysis of blood & urine samples in a field drug testing lab to serve Saratoga Raceway. Assist lab director as requested. 5 days per wk. seasonal. Incl. Sat., Sun. & holidays.
Req.: AAS lab tech degree or equiv. lab exp. Some exp. with Thin Layer Chromatography & general lab procedures. Familiar with gas chromatography. Send cover letter & resume to Judi Pulkinen by 5-8.
Minimum Biweekly Salary: $431.43

ANIMAL TECHNICIAN, GR18 (T156) Vet Microbiology-Baker Institute
Care of herd of horses, donkeys, mules & cattle used in reproduction & immunology research. Duties include feeding, cleaning, & general barn & stable upkeep, plus assistance with experiments, nursing, taking blood samples, recording data, assist in surgical procedures.
Req.: AAS in Vet Science or related field. Exp. with farm animals. Weekend/holiday work req. Able to lift up to 80 lbs. daily. Pre-employment physical req. Send cover letter & resume to Judi Pulkinen by 5-8.
Minimum Biweekly Salary: $431.43

TECHNICIAN, GR19 (T154) Genetics & Development
Provide tech. & admin. support for efficient operation of genetics lab. Duties include participation in research, (i.e., Western blotting, Gel Electrophoresis), maintenance & ordering of lab supplies & maintenance of collection of genetic strains of C. elegans.
Req.: AAS degree with coursework in genetics. BS or BA pref. in biol. Min. 1-3 yrs. lab exp. Send cover letter & resume to Judi Pulkinen by 5-8.
Minimum Biweekly Salary: $457.09

TECHNICIAN, GR19 (T152) Diagnostic Laboratory
Provide technical support for the Mycobacterium paratuberculosis program; prepare culture media & reagents.
Req.: AAS in biol. sci. with microbiol. coursework. Lab exp. desir. but not nec. Basic bacteriology techniques nec. Send cover letter & resume to Judi Pulkinen by 5-15.
Minimum Biweekly Salary: $457.09

TECHNICIAN, GR19 (T155) Plant Pathology
Perform exp. in plant virology lab, prepare protoplasts from tobacco leaves, infect them by electroporation, & test their response to various additives. Perform bioassays for viruses. Clone portions of viral genomes in plasmids. Assist with data analysis. Oversee daily operation of lab.
Req.: BS or equiv. in chem. or biol. 1-3 yrs. lab exp. in biochemical or molecular bio. techniques desir. Send cover letter & resume to Judi Pulkinen by 5-8.
Minimum Biweekly Salary: $457.09

TECHNICIAN, GR20 (T153) Avian & Aquatic Animal Medicine
Process diagnostic & research specimens for isolation & identification of bacterial fungi & viruses. Perform histopathologic & serologic techniques. Duties include some clerical duties; production & quality control of biologics.
Req.: BS in bio. with courses in microbio. 1 yr. research ex. in clinical microbio., or animal technology. Send cover letter & resume to Dr. Tirath S. Sandhu, Duck Research Lab, Eastport, NY.
Minimum Biweekly Salary: $482.33

TECHNICIAN, GR19 (T146) Diagnostic Laboratory
Perform radioimmunoassays of hormones & other antigens on animal & human blood samples. Prep. samples (centrifuging, extracting with volatile solvents, dispensing into assay tubes), handle low level radioactive materials,

Job Opportunities (continued)

protocol assays & calculate results, refer vets. & other clients with inquiries to proper sources of info., prepare buffers & hormone solutions, maintain paper & computer files, wash dishes, & clean lab.

Req.: BS or BA in biol. or chem. sci. desir. Knowl. of chem. lab. procedures, math, comm. & keyboarding essential. Immunology, endocrinology & biochem. trng. useful. Send cover letter & resume to Judi Pulkinen by 5-8.

Minimum Biweekly Salary: $457.09

COMPUTER OPERATOR, GR20 (T145) Integrated Pest Management-Geneva

Utilize software to enter data into weather, crop, pest & pesticide databases. Generate reports, graphs, & tables.

Req.: AAS or equiv. exp. in computer operations & interactive data entry. Exp. with data entry, processing & computer operations. Send cover letter & resume to Judi Pulkinen by 5-8.

Minimum Biweekly Salary: $482.33

TECHNICIAN, GR21 (T148) Diagnostic Lab

Perform microbio. & immuno. tests on specimens as requested by clinicians to aid in diag. of infections in animals & humans.

Req.: BS or equiv. with Medical Microbio. exp. Able to perform all tech. assoc. with diag. microbio. Basic knowl. of immunology req. Send cover letter & resume to Judi Pulkinen by 5-8.

Minimum Biweekly Salary: $512.32

TECHNICIAN, GR23 (T141) Microbiology, Immunology & Parasitology

Conduct molecular studies on replication of hepatitis B virus. Develop exper., tissue culture, immuno. analysis of cells for specific viral proteins, construct, isolate & charac. recombinant plasmids; maintain inventories of supplies, train new personnel in lab tech.

Req.: BS in microbio., biochem. or genetics, plus either graduate trng. or exp. in nucleic acid chemistry tech. Manual dexterity to handle delicate gels & potentially dangerous substances. Able to handle tissue cultures aesceptically. Exp. handling toxic chemicals, radioisotopes, recombinant DNA & pathogens. Send cover letter & resume to Judi Pulkinen by 5-8.

Minimum Biweekly Salary: $572.27

TECHNICIAN, GR21 (T118) Vet. Med. Teaching Hospital-Repost

Perform diag. test in hematology, cytology, coprology, urinalysis, microbio., chem., & immun. sections of Clin. Path. Lab. Operate & maintain equip. pertinent to each section. Participate in "on-call" coverage for off hrs. & holidays. Use computer for specimen accession data entry & info. retrieval. Req.: AAS in med. technol. req. BS in Med. Technol., ASCP cert. pref. 1 yr. exp. in clinical lab with emphasis on hematology & microbio. pref. Send cover letter & resume to Judi Pulkinen by 5-8.

Minimum Biweekly Salary: $512.32

COMMUNICATIONS TECHNICIAN IV, GR24 (T378) Computer Services-Repost

Assemble/test/install/diagnose malfunctions & repair terminal, microcomputer, network & data comm. equip./circuits. Resolve complex problems using digital test equip. Interface with vendors, & provide technical guidance & trng. to less exp. techs.

Req.: AAS in Elect. or equiv. with 2-5 yrs. related exp. Familiar with ocilliscope, Break-Out-Box, Bit Error Rate Test set & telephone circuit test equip., some CMS, RSCS, 3270; good interper. & org. skills. Valid driver's license. Send cover letter & resume to Judi Pulkinen by 5-8.

Minimum Biweekly Salary: $607.21

Part-Time

INFORMATION ASST., GR18 (C156) Engineering Library

Responsible for evening info./reference service (12 hrs./wk.). Perform daytime functions of circ./reserve desk (8 hrs./wk.); help train 10-15 students, interprets circulation policy to patrons & provide info. asst. 20 hrs. per wk.; evening & weekend hrs. req.

Req.: 2 yrs. college coursework or equiv. exp. Strong org. & comm. skills. Must be able to work effectively in public service function. Previous lib. exp. desir.

Minimum full-time equivalent: $431.43

ADMINISTRATIVE AIDE, GR20 (C0615) Chemistry

Resp. for WP in dept. Word Processing Facility. Use IBM PC & Mac & Micom 3000; train staff members in use of machines & various software; keep records of Facility svcs.; prepare monthly billing; arrange for overflow workload staffing. P-t, M-F, 9 a.m.-1 p.m.

Req.: AAS or equiv. Heavy typing. Min. 3 yrs. exp. in WP using chemical, physics or math terms. Use of WordPerfect, Mac Write & LaTex desir. Demonstrated exp. in prioritizing.

Minimum full-time equivalent: $482.33

Temporary

Experienced & skilled individuals specifically interested in temporary clerical/secretarial work can contact Lauren Worsell (255-7044).

OFFICE ASST. (C136) CU Press Production Dept.

Full or part-time. Type, file, answer phone, mail.

Req.: Accurate typing & proofreading, attention to detail. Ability to carry packages up to 30 lbs.

CONSTRUCTION LABORER (G146) Agricultural Engineering

Assist in construction of a 10,000 gallon per day pilot treatment plant to be located at the City of Ithaca's Sewage Treatment Works. April-May 5, 1987.

Req.: H.S. dip. or equiv. Basic knowl. of plumbing, framing & concrete const. tech. Knowl. of elect. circuits desir. NYS driver's license req.; able to lift 70 lbs. Apply at the East Hill Plaza Staffing Office, Mon.-Thurs., 9 a.m.-noon.

Minimum hourly rate: $6.00

SUMMER CUSTODIANS (G128) Residence Life

Provide general care & maint. of res. halls & grounds in immediate vicinity of assigned area. May-Aug.; 39 hrs. per wk.

Req.: Able to operate a variety of heavy power equip., lift 50 lbs. & climb an 8 foot ladder. Basic reading & writing skills. Pay: $3.50/hr., room provided, cash bonus based on srvc.

PHOTOCOPY ASST. (C099) Olin Lib. Admin. Oper.

Provide coverage for operations of Photocopy Services; supply minor maint. for CUL photocopiers & related equip.; answer calls for srvc.; make approp. log entries & ensure proper responses to requests for srvcs.; supv. students. Eve. & weekend hrs; part-time.

Req.: H.S. dip. Work exp. pref. Willing to work with machines. Able to work with patrons, staff & faculty.

Academic

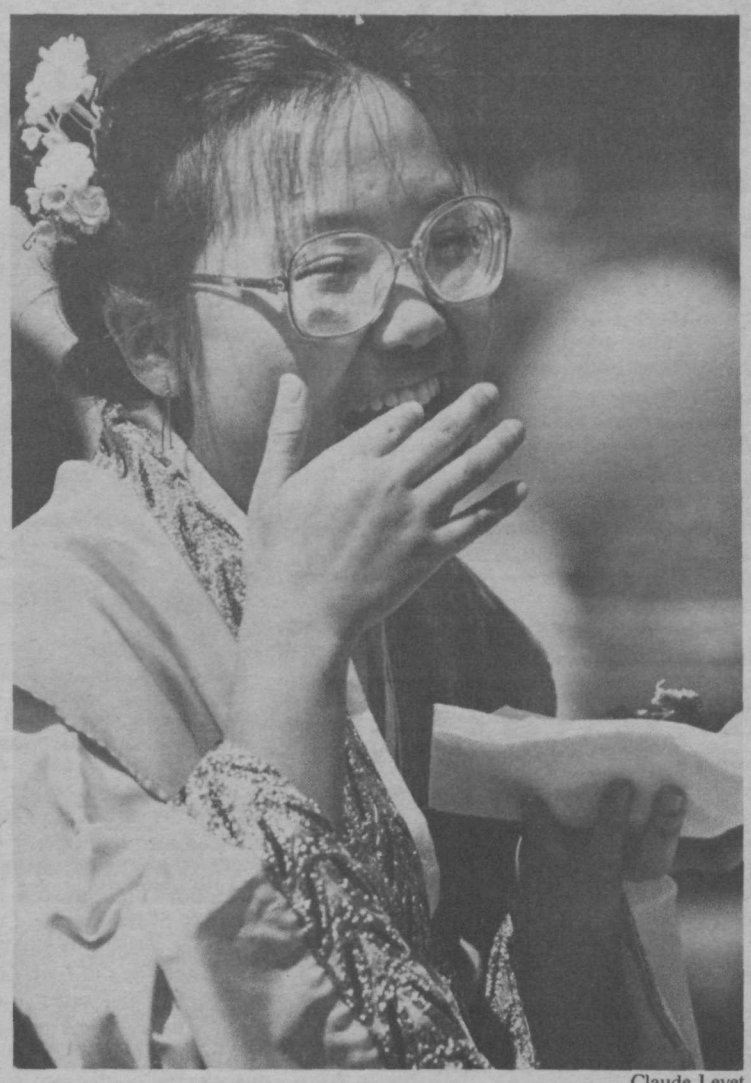
Contact department directly.

INSTRUCTOR (A141) Veterinary Medicine-Small Animal Medicine

Submit a curriculum vitae & names & addresses of 3 references to Dr. Donald Smith, Department of Clinical Sciences, NYS College of Veterinary Medicine, Cornell University, Ithaca, NY 14853-6401.

PUBLIC SERVICES LIBRARIAN (A132) Mann Library

Send cover letter, resume & list of 3 references to Carolyn Pyhtila, Personnel Director, Cornell University Libraries, 235 Olin Library, Ithaca NY 14853 by 6-15.



Claude Levet

Jane Sung, an arts major, feasts on Texas ribs during the International Festival in the Law School courtyard on April 25. The festival was part of Hotel Ezra Cornell, a series of events put on by Hotel School students for members of the hospitality industry. At a banquet that evening, President Frank H.T. Rhodes announced that Cornell's Board of Trustees and the Hotel School Leadership Campaign Committee have approved increasing the school's fund-raising goal from $25 million to $35 million.

CALENDAR

Continued from page 7

"AIDS, Gender and Biomedical Discourse: Current Contests for Meaning," Paula Treichler, University of Illinois, 11:45 a.m.

Toxicology

"Atmospheric Methane and the Greenhouse Effect," F. Sherwood Rowland, University of California, Irvine, May 1, 12:20 p.m., 304 Fernow Hall.

Vegetable Crops

"The Vegetable Program of the Department of Horticultural Sciences," Robert L. Andersen, chairman, Horticulture Science, Geneva Experimental Station, May 7, 4:30 p.m., 143 Plant Sciences Building.

Western Societies Program

"The Socialist Government in France 1981-1986: Advance or Retreat?" Pradeep Bandyopadhyay, Trent University, April 30, 12:15 p.m., 117 Stimson Hall.

Women Managers Forum

"Women's Management Style: Is There Such a Thing?" Marylee Bomboy, senior extension associate, ILR, New York City, May 5, noon, 105 ILR Conference Center.

THEATRE

Risley Theatre

"Sexual Perversity in Chicago" by David Mamet and "Ancient Philosophies," by Ashley Wilson will be presented at Risley Theatre, April 30-May 2 and May 7-9 at 8 p.m. Sunday matinee at 2 p.m. Tickets are $3. For more information and reservations call 255-9521.

Black Theatre Workshop

"The Amen Corner," a play by James Baldwin, May 3 at 7 p.m. and May 4 at 8 p.m. in Anabel Taylor Auditorium. Admission is free. The drama centers on the life of Sister Margaret, a pastor of a 1950's Harlem storefront church. It is being produced, directed and acted by students in the Africana Research Studies Black Theatre and Dramatic Literature advanced seminar, supervised by playwright and film producer William Branch, a visiting professor in Africana Studies.

MISC

WSH Art Gallery

Willard Straight Hall Art Gallery is taking applications for gallery showings during the '87-'88 academic year. Applications at the Willard Straight Potshop, or by calling 255-5170.

Cornell Craft Fair

Cornell craft fair, May 7 and 8, is now accepting applications for gallery showings during the '87-'88 academic year. For more information on entry into the fair call The Arts Project at 255-5170.

Call for Musicians!

Willard Straight Hall is looking for musicians and vocalists to perform during the 1987 Sunset Concert Series. Concerts will be held on the Willard Straight Terrace from 5-7 p.m. on Fridays during the summer semester. Musicians are welcome to submit a tape of their work and their photo to: Sunset Concert Series, Willard Straight Hall.

Garden Plots

Small and large garden plots are available for the season for a nominal fee from the Cornell Garden Plot Committee. Plots are located in three places: near Cornell Quarters, on Ellis Hollow Road and off Hanshaw Road on the Warren Farm. Send a stamped self addressed envelope to Cornell Garden Plots, Box 871, Ithaca, N.Y. 14851.

E.A.R.S.

Empathy, Assistance and Referral Service provides short-term counseling for both callers and walk-ins. E.A.R.S. is located in 211 Willard Straight Hall, one floor below the Ivy Room. Telephone 255-EARS. Hours are 3 p.m. to 11 p.m. Sunday through Thursday and 7 p.m. to 11 p.m. Friday and Saturday. All services are free and completely confidential.

Microcomputer User Groups

Amiga users group meets the third Tuesday of each month, 7 to 9 p.m., G14 Uris. Eli Meir, 273-5025 (evenings) for details.

Atari ST users meet the second Thursday of each month, 7:30 to 9 p.m., Mike Hojnowski, 255-3748 for details.

Macintosh Developers meet 3:30 p.m. the second Tuesday of each month, 100 Caldwell. Tim Larkin 257-2030 ext. 426 for details.

PC Users meet the last Friday of each month 1:30 to 3 p.m. in 100 Caldwell. Chris Haller 255-5716 for details.

For more information on user groups call Computer Services at 255-8304.

Writing Workshop

Writing Workshop walk in-service. Free tutorial instruction in writing. Monday through Thursday 3:30 to 5:30 p.m. and 7 to 10 p.m. and Sunday 3 to 8 p.m., 174 Rockefeller Hall; Sunday through Thursday 10 p.m. to midnight in 340 Goldwin Smith; Sunday through Tuesday 8 p.m. to midnight McFaddin Hall Computer Room; Sunday 1 to 5 p.m. and Monday, Wednesday and Thursday 8 p.m. to midnight in Clara Dickson Computer Room.

Alternatives Library

Located in 122 Anabel Taylor Hall, this library contains more than 5,000 books, 180 periodicals and 350 tapes and slide shows on topics of individual, social and ecological transformations. Areas include eco-justice, holistic health, Native Americans, sustainable agriculture, appropriate technology, gay issues, political and economic analysis, and spirituality and mysticism.

CUSLAR

Committee on U.S./Latin American Relations meets at 5 p.m. on Mondays in the Commons Coffee House. For more information call 255-7293.

Fuertes Observatory

Fuertes Observatory, located on the hill behind Helen Newman Hall, will be open to the public every clear Friday night this spring from 8 p.m. until midnight. Call the observatory at 255-3557 after 8 p.m. on clear Fridays for more information.

Pottery Workshop

The Arts Project in Willard Straight Hall will present a workshop with potter Val Cushing May 2 from 10 to 4 p.m. He will show slides as well as give demonstrations. The fee for the program is $25 and registration is necessary. For more information call 255-5170.

"Pastels, Plus" Workshop

The Experimental College is sponsoring a one-day studio workshop on pastels for artists of all levels to be led by local artist Christina Plohoros. Registration fee, $25. For more information and to register call Beth Farnsworth, Experimental College, 255-9612.

Cornell Cinema co-sponsorships

The Cornell Cinema Advisory Board is accepting co-sponsorship proposals for individual films or film series for fall 1987 from faculty and community or student organizations.

There are vacancies on the C.A.B. for student, faculty and staff representatives. The deadline for both applications is May 1. Applications can be picked up in 525 Willard Straight Hall. For more information, call 255-3522.

SPORTS

The men's lacrosse team will shoot for its first unbeaten regular season in nine years this Saturday when the Big Red travels to Providence to face Brown.

Cornell can also win the Ivy League title outright with a victory. The Red grabbed at least a share of the crown — its 17th since 1956 — after knocking off Princeton 13–2 last weekend in the final home regular season contest.

The Tigers played a slowdown, ball-control game and trailed just 3–0 at intermission. But the Red put a four-spot on the scoreboard in the third period and added six more in the final stanza. Cornell dominated the contest, limiting the visitors to just 12 shots in the first three periods and outshooting Princeton 41–24.

Junior attackman Tim Goldstein moved closer to Cornell and Ivy records for assists as he handed out five to go along with a goal against the Tigers. Goldstein, the leading scorer in the loop with 7–23–30, has an overall mark of 16–54–70. He is three assists shy of the league record of 26, set by Cornell's Pat Gallagher in 1972.

Freshman midfielder Mike Cummings is also attempting to etch his name in the Cornell record book with his play this season.

And sophomore goaltender Paul Schimoler may leave Cornell with almost every netminding mark. He now has a save percentage of .724 and was ranked second in the nation in the last USILA statistical rankings.

Saturday's contest will be the 25th meeting between Cornell and Brown, with the Red holding a commanding 19–5 edge in the series. But the Bruins have won three of the last four contests, including the previous two games in Providence. This season, the Bruins are 9–3 overall and 4–1 in league play.

The women's lacrosse team lost two Ivy matches last weekend, falling to Dartmouth 8–3 at home and losing at Princeton 6–5 in overtime. The team is now 7–3 overall, 3–3 in Ivy action.

After Dartmouth scored in the first stanza, junior Meg Bantley tied up the match, but then the Cornell offense lost its punch. Dartmouth scored four unanswered goals in the rest of the first half to take a 5–1 lead into halftime.

The men's lacrosse team defeated Princeton last Saturday, 13–2, guaranteeing at least a share of the Ivy League crown.

The Green scored first in the second half, but junior Gina Savarese answered with her first tally of the season. Dartmouth netted two more goals in the half, while Bantley scored one for the Red. Goalie Beth Paciello had five saves in the loss.

On Sunday, the Tigers tallied first in the first period. Cornell retaliated with three unanswered goals from sophomore Ellen Graap, senior Joanne Burnk and junior Julie Infurna.

Princeton tied it 3–3 with two more goals before Infurna netted another marker to put the Red up 4–3. The Tigers then made a run in the last seven minutes of the half to put them at a 5–4 halftime advantage. Princeton scored the game-winner with just 37 seconds left in the first overtime period. The women will compete in the New York State Championships at Cortland on May 1–3.

Baseball

Cornell won two of seven games last week, going 1–5 in the EIBL. The Red defeated Cortland State 5–2 on Monday as sophomore Rob Deans went the distance for his first victory of the year. Cornell split a doubleheader at Columbia on Wednesday, shutting out the Lions 3–0 in the first game before being blanked 9–0 in the second. Junior John O'Connor pitched the full seven in the first game, giving up seven hits and one walk.

Cornell dropped a twin bill at Brown on Saturday, losing 4–1 and 8–7. Deans took the loss in the first game, while sophomore second baseman Scott Kenney was 2x3 for the Red. In the second game, a six-run third inning was not enough for Cornell as the Bruins came back to edge the Red 8–7 in 11 innings. Sophomore outfielder Paul Kisslinger was 3x6 with two RBIs and Kenney scored two runs. Sophomore designated hitter Joe Catone was 2x5, scoring one run and driving in another.

The Red lost a doubleheader to Yale in New Haven on Saturday, 1–0 and 6–5.

Crew

The men's lightweight crew posted its third consecutive victory, defeating Dartmouth in the Baggaley Cup Saturday on the Cayuga Inlet. The varsity eight outdistanced the Big Green by 2.1 seconds with a first place mark of 6:40.2.

The heavyweight crew lost to Princeton in the Carnegie Cup Regatta in New Jersey. The Tigers swept the Red in all races. Both the heavyweights and the lightweights will have a week off before taking part in the Eastern Sprints at Worcester on May 10.

The women's crew had a mixed weekend, falling to Brown in four out of five races on Saturday but sweeping past crosstown rival Ithaca College in all races on Sunday. The women will take on Dartmouth next Saturday on the Cayuga Inlet.

Track

The track team's only finalist at the Penn Relays last Saturday was senior captain Darren Roach, who placed fifth in the college division triple jump in 49–1/2.

The 4x400 meter relay team of Lyndon Providence, Mike Clark, Xavier Washington and John Bayne ran 3:13.9 to placer fourth in the Heptagonal section. For the women, the 4x800 meter relay squad ran a season-best time of 9:12.4 to place third in the trials. Sarah Day, Sue Ellis, Candi Calhoun and Laura Landauer made up that foursome.

Tennis

The men's tennis team faced Princeton and Navy last weekend, losing the first match 6–3 and the second 7–2. John Kremer was Cornell's only double winner against the Tigers, winning sixth singles 2–6, 7–5 and 6–2, and joining forces with Bruce Jervis for a 6–4, 6–3 doubles victory. The women's team dropped a 9–0 decision to the Tigers.

Friday, 5/1
Men's Tennis - Harvard, 4 p.m., Kite Hill Courts.

Saturday, 5/2
Women's Crew - Dartmouth, Cayuga Inlet.

Men's Baseball - Dartmouth, noon, Hoy Field.

Men's Tennis - Dartmouth, noon, Kite Hill Courts.

Sunday, 5/3
Men's Baseball - Harvard (2), noon, Hoy Field.

Actors to study here with National Theatre of Great Britain

As many as 40 Americans will study acting this summer with the National Theatre of Great Britain. But the aspiring actors will not be in London.

Instead, the British company will come to the United States to teach at Cornell, an unusual arrangement.

The three-week seminar, which starts June 8, may be the only program of its kind in the United States, said Ellen Kennedy, general manager of Theatre Cornell.

"Although some universities have exchange programs based in England, we know of no other program offered by a British company in the U.S.," she said.

Theatre Cornell is sponsoring the classes in association with Cornell Summer Session and the College of Arts and Sciences.

Classwork taught by four National Theatre faculty will be offered in acting techniques and styles, text interpretation, voice, scene study and movement.

The style of acting that will be taught also makes the Cornell program different from other theater training programs in the United States.

"The British place great importance on the text," said Kennedy. "Classes using this approach are few and far between. We'll be offering something that is not available to most American actors."

National Theatre Education Director Kevin Cahill explained it this way: "There is a sense of over emotion brought to the text by Americans. But when you look at any well-written text, the way it's edited, its speed and structure, this emotional approach isn't justified or necessary. The words speak for themselves."

Daily classes will be held from 9 a.m. to 5 p.m. Cahill said he expects that additional work in the evening and on weekends also will be necessary.

"There's only so much you can do in three weeks," he said. "We'll need all the time we can get."

The day-to-day activities are based on a similar program offered by the National Theatre in London, which focuses on scene study from classical texts such as Shakespeare.

Teachers will be drawn from the National's company of teacher/actors. They include such artists as Anthony Hopkins, Di Trevis, Dominic Muldowney, Simon Callow and Yvonne Bryceland.

Selection for actors is by audition and interview. Cahill and Casting Director Gillian Diamond will see over 100 actors in New York City, Chicago, San Francisco and Ithaca. Each performer will be asked to prepare three monologues: one from classical text, one from modern text and one piece written by the actor.

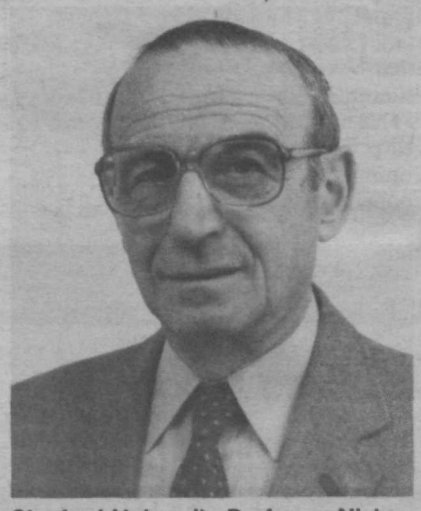
"The actor-written piece is a unique audition technique, which I've found very useful in Britain," Diamond said. "However, it hasn't worked as well in the States."

Again the reason is approach. Diamond asks auditioning actors to write a monologue. Most British actors prepare a written piece based on a favorite character that already exists, she said. But American actors usually write and perform autobiographical sketches. This personal information isn't what they are looking for, she said.

"We get enough background on the individual during the interview," she said. "This written work was supposed to be fun, a chance to show some creativity using a favorite character."

Both Cahill and Diamond are excited about the agreement with Cornell. "It was important to find a host institution with the same professional standing as the National Theatre," Cahill said. "Theatre Cornell has a certain attitude about theater as well as an aggressive building program. Cornell offers the potential for a long-term relationship with many possibilities for continued growth and expansion."

— James A. Mazza



Stanford University Professor Nicholas Rott will deliver the second annual W.R. Sears Lecture on April 30 at Upson B17 beginning at 4:30 p.m. His topic will be "Vortices." The lecture series, presented by the College of Engineering and the Graduate Field of Aerospace Engineering, honors William R. Sears, the founding director of Cornell's Graduate School of Aeronautical Engineering and the Center for Applied Mathematics.

Lee *Continued from page 1*

values they want their children to hold as adults, they turn pragmatic, Lee found. A strong work ethic is rated just as important as being moralistic, and developing intellectual skills is held to be more important than helping others. Parents wanted their children to be able to "endure hardships," which they expressed in a phrase literally translated as "can eat bitterness," a phrase commonly used to describe experiences of dire hardship.

"The distinction between what parents say is a good adult and what traits that want their children to have as adults would have been lost if I had tried to compare what Chinese and American parents considered important," Lee pointed out.

"Chinese children describe a good person as one who is obedient, does not do bad things and helps others and the country," she added. "Their emphasis on obedience, especially to the country, is an effect of contemporary Chinese socialization."

Parents, teachers and children defined a "good child" as one who is polite, obedient, honest, loves to learn and works hard, Lee said. Again, though, children place more emphasis than do their elders on pro-social behavior, such as helping others and the country.

As evidence of China's emphasis on caring for children, Lee pointed to requirements that employers help provide day care programs and offer extended maternal leave at 75 percent of salary whenever possible.

Lee said she received complaints from school teachers that many parents, especially those abiding by the government's one-child policy, are too indulgent of their children.

Children are becoming more selfish, less cooperative and more materialistic, and juvenile delinquency is on the rise as a result, Lee said. Fifty percent of the parents she surveyed complained that their child was subborn, while others were unhappy with their child's timidity.

Still, "Child development in China still means the development of a moral person," she said. "That is a tremendous social strength."

— Mark Eyerly