

# CORNELL Chronicle

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## ASSOCIATE DEAN NAMED

H. Dean Sutphin, chair of the education department, has been named associate dean for academic programs for the College of Agriculture and Life Sciences.

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## CLASSICS PROF FILMED

Classics Professor Kevin Clinton will appear on The Learning Channel tonight in a segment on "Women of Lesbos."

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## Students reduce use of drugs and alcohol, survey shows

By Sam Segal

Cornell students reduced their use of alcohol and other drugs last year, but the modest progress is not being hailed as victory.

"Any positive change in this complex problem is worth noting and commending," said John Gormley, coordinator of the Drug-

Risk Reduction Program. "But we can't put too much stock in our modest statistical gain. Only a sustained and comprehensive university effort to change the campus culture can ensure that our gains will be large and long-lived."

Gormley, a member of the health-education staff at Gannett Health Center, sees the

beginning of cultural change in efforts by student groups and the administration, aided by a grant from the U.S. Department of Education.

Whatever the causes, the results of an extensive survey completed last spring by 403 Cornell students showed positive changes — over the previous year's survey —

in answers to seven of eight questions about use of alcohol, use of illegal drugs, and consequences of alcohol and drug use.

The percentage of students who had drunk alcohol in the past 30 days, for instance, dropped from 77 to 74; that for underage students, from 73 to 67; and the number who

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Peter Morenus/University Photography

Construction is under way on Central Avenue, seen here from the top of McGraw Tower.

## Construction boom under way

By David Stewart

Jackhammers, hard hats, construction cranes and detours are familiar sights at Cornell once again. And this round of construction projects will be part of the Ithaca campus scene until the newly arrived freshmen graduate.

Although some projects are short-term and others are not yet started, the mid-decade construction projects — above ground, below ground, renovations and new construction alike — total about \$150 million. It's estimated the university will have to spend another \$100 million in preventive, routine and deferred maintenance on existing facilities by the end of the decade. These estimates do not include expenditures at the Medical College in New York City.

Among major projects under way is the Veterinary Medicine Center at the east end of Tower Road. The \$52 million

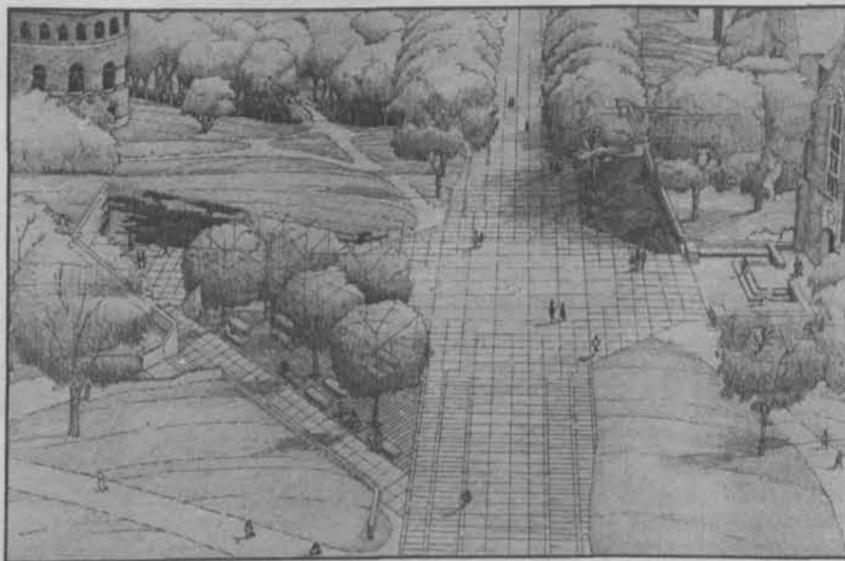
### Think safety

Campus police and life-safety officials remind students, staff and faculty to stay outside the construction zones that have been established. Construction zones are hard-hat areas, and fencing around them is for the protection of pedestrians and other "sidewalk superintendents."

facility, started two years ago, is the largest single construction project in the university's history. An additional \$10 million will be spent on related renovations and other facilities at the Vet College immediately after the new teaching hospital is completed in 1995.

One of the busiest areas on campus — it's estimated 10,000 people pass through

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Above is an architect's rendering of the future pedestrian plaza being constructed at Central Avenue between Willard Straight Hall and the Campus Store. The view is looking south from McGraw Tower, with Willard Straight Hall on the right.

## Expert on children and violence is named new director of FLDC

By Susan Lang

James Garbarino, an expert on the effects of violence on children's development, a leader in the area of child advocacy for children in danger and president of the Erikson Institute for Advanced Study in Child Development in Chicago, has been named the new director of the Family Life Development Center (FLDC) at Cornell.

Working at Cornell intermittently over the summer, Garbarino, who will be a pro-

fessor of human development and family studies, will be on board full time this month.

"I'm delighted to assume the directorship of the FLDC. As I see it, the well-being of children and families is the most important challenge facing American society today," said Garbarino, 48. "The center's mission is to improve professional and public efforts to understand and respond to risk factors in the lives of children, youth, families and communities that lead to violence and maltreatment. My role will be to mobilize the efforts of

faculty, staff and students to respond through research, outreach and teaching."

While president of the Erikson Institute since 1985, a graduate school and research institute that focuses on child development issues, Garbarino became well-known for his research on the effects of traumatic and chronic violence on children in war zones such as Kuwait, Croatia, the West Bank and violence-riddled housing projects in Chicago.

He found, for example, that children in both violent urban and war settings suffer

from post-traumatic stress disorder, a psychological condition common to rape, earthquake and combat survivors.

The author or editor of 15 books, including *Children and Families in the Social Environment*, *Let's Talk About Living in a World with Violence*, *Children in Danger: Coping with the Consequences of Community Violence* and *Towards a Sustainable Society: An Economic, Social, and Environmental Agenda for Our Children's Future*.

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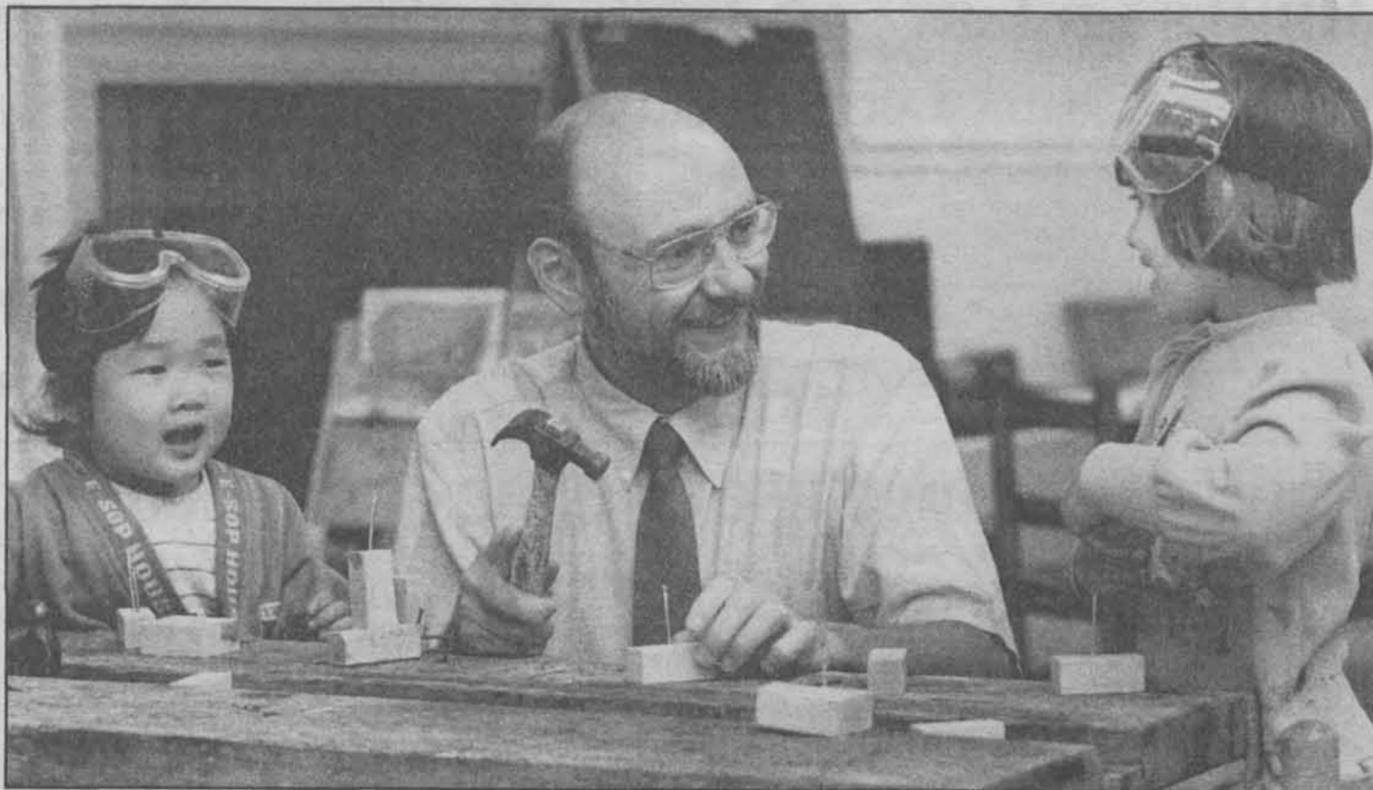
Garbarino *continued from page 1*

Garbarino also is the author or co-author of more than 100 scientific articles or chapters on child maltreatment and child welfare, child development, schools and instructional materials. He currently is at work on a new book slated for publication in 1995, entitled *Growing Up in a Socially Toxic Environment: Childhood in the 1990s*.

He has served as a consultant to the National Committee for the Prevention of Child Abuse, the National Institute for Mental Health and the American Medical Association, among others. In 1991 he undertook missions for UNICEF to assess the impact of the Gulf War on children in Kuwait and Iraq, and served as a consultant for programs serving Bosnian and Croatian children.

Francille Firebaugh, dean of the College of Human Ecology, said: "We are thrilled to have someone of Jim's stature coming to direct the Family Life Development Center. He brings to us a strong base of scholarship related to children growing up in 'toxic environments' and to the abuse and maltreatment of children. His experiences and vision for FLDC will help move us into new avenues of research and outreach that will benefit children and families."

Garbarino also is the recipient of more than 15 academic honors, including the first C. Henry Kempe Award from the National Conference on Child Abuse and Neglect, the Mitchell Prize from the Woodlands Conference on Sustainable Societies and the Distinguished Professional Contributions to Public Service award from the American Psychological Association (APA). Most recently, he was awarded the 1994 Nicholas Hobbs Award from the APA's Division on Child, Youth and Family Services that is given annually to a psychologist who has demonstrated excellence in research related to children, families and child advocacy. "Jim



James Garbarino, newly named director of the Family Life Development Center, plays with Rachel Lee, left, and Adriana Martin Sanchez.

Charles Harrington/University Photography

epitomizes the ideal of the division in his research in that it is theoretically based and benefits children and families with its public policy applications," said Maureen Black, associate professor of pediatrics at the University of Maryland's School of Medicine and past president of the division.

"Cornell should feel nothing but blessed to have the opportunity to have such a wise, intelligent leader as Jim come to its hallowed halls to help further the work on children and families both nationally and around the world," said Ann Cohn Donnelly, executive director of the National Commit-

tee to Prevent Child Abuse, who worked with Garbarino on the National Committee.

"Jim's research and teaching combine a clinician's sensitivity, a scientist's curiosity and an advocate's passion," added Donald J. Cohen, M.D., the Irving B. Harris Professor of Child Psychiatry at the Child Study Center at Yale University.

The Family Life Development Center, an interdisciplinary unit in Cornell's College of Human Ecology with a \$4 million budget and a staff of 30, focuses on studying and developing programs to prevent stress, with emphasis on child abuse and

neglect prevention. The center was previously directed by John Doris, who retired last spring.

Previous to his position at the Erikson Institute, Garbarino worked at the Empire State College, the Center for the Study of Youth Development in Boys Town, Neb., the University of Nebraska and Pennsylvania State University.

He earned his undergraduate degree in 1968 from St. Lawrence University and his master's and doctorate in 1970 and 1973, respectively, in human development and family studies from Cornell.

Drugs and alcohol *continued from page 1*

had had more than five drinks at a sitting during the previous two weeks dropped from 42 to 35 percent.

As for marijuana and other illegal drugs, there was a slight decline in the percentage who had tried them over the past year but a very slight increase (from 14 to 15 percent) in the number who used marijuana in the past 30 days.

There was a drop of eight points – from 40 to 32 percent – in the number of students reporting some kind of public misconduct (such as property damage or sexual aggressiveness) following their use of drugs or alcohol; and there was a drop, from 31 to 29 percent, in those saying drug or alcohol use led to some serious personal problem. (The

Alcohol and Drug Survey results are available from Gormley's office, 322 Gannett.)

President Frank H.T. Rhodes, in commenting on the survey, said he was "grateful for the modest improvement" but added that much greater improvement should be sought:

"I am deeply troubled by the extent of the remaining problems that [the survey] indicates, ranging from driving while under the influence of drugs to the use of illegal drugs and sexual exploitation that it reports."

Rhodes, in a letter to Gormley, also said that he would like Dean of Students John Ford and Susan Murphy, vice president for student and academic services, to review the survey with an eye to possible changes in policies, programs, enforcement or support and treatment.

Gormley welcomed Rhodes' letter, saying: "We need all the support we can get. Recognizing the seriousness of this complex social problem will serve the interests of students and the whole community."

In January 1993, when Law Professor John Siliciano submitted a report on undergraduate drinking at Cornell, his conclusions were similar.

Siliciano noted that abusive drinking "constitutes the single most serious threat to the health and well-being of the student body. It is the common factor in most of the assaults, accidents, rapes, acts of vandalism, unsafe sex practices, academic problems and drop-outs among the student body, and it forms the basis for the onset of alcoholism in some students."

Siliciano said that Cornell's policies and restraints were about right and that nothing could eliminate student drinking. He recommended consistent enforcement under a single senior officer (Senior Vice President James E. Morley has since taken that responsibility), more alcohol-free events and expanded education that would stress personal assessment of risk and, for those choosing to drink, the setting of guidelines.

Gannett's Drug-Risk Reduction Program includes the ALERT peer-education workshops, faculty and staff training, educational sessions, publications, research, net-

working with other campus programs and individual consultations and referrals. Gormley also sits on a new steering committee that Morley formed of people working on alcohol- and drug-prevention efforts.

Both Siliciano and Gormley say the sophistication and experience of today's students must be respected in planning educational efforts.

"So many high schools now provide comprehensive drug education," Gormley says, "which means that students simply tune out if we repeat the same warnings or if we preach abstinence."

Instead, through the student-to-student program called ALERT, Gormley's office tries to impart the information and self-analytical skills that allow the students themselves to chart healthy courses.

A record 22 students will be trained in the fall to present "personal-life-skills" workshops to other students. While last year's 51 ALERT sessions reached more than 700 students, Gormley hopes that the new focus – relating self-esteem, stress and the status of relationships to decision-making about alcohol and other drugs – will stimulate much greater participation.

Another student-to-student program, called SMASH, is having strong success at what both Siliciano and Gormley consider a high priority – exposing students to alcohol-free social and recreational events. SMASH – which, like ALERT, is coordinated by Nanci Hoetzlein – reached 4,641 students last year in 38 events and meetings and another 1,700 students at the "Ballroom Bash," the "Valentine's Latin Dance," "Free Ice Time," the "Dance through the Decades" and "Cafe Night."

Student support for such an approach was affirmed in the recent survey, where the two most strongly endorsed options for helping "reduce the incidence of misuse/abuse of alcohol and other drugs" were "less social pressure to drink and drug" and "more alcohol-free social activities."

To change the culture, Gormley said, everyone on campus has to help students see that alcohol does not have to be the centerpiece of a happy adult social life.

## BRIEFS

■ **President's breakfast:** A limited number of openings are available for Cornell students to have breakfast with President Frank H.T. Rhodes. Those interested are invited to call his office at 255-5201 to make a reservation. The breakfasts are held from 7:30 to 8:30 a.m. in Willard Straight Hall (The Elmhurst Room).

■ **English classes:** Registration for free English classes sponsored by the Cornell Campus Club will take place on Thursday, Sept. 1, from 7:30 to 9 p.m. in the One World Room, Anabel Taylor Hall. There is a \$10 registration fee. Classes begin Sept. 6. For further information call Ann Marie Dullea at 277-2488 or Joan McMinn at 277-0013.

■ **Martial arts:** The Cornell Tae Kwon Do Club offers instruction in traditional Korean martial arts. Classes are Monday and Wednesday, 5:30 to 7 p.m. in the 3rd floor lounge at Noyes Center. Beginners are welcome at all times. Call head instructor David Warden at 277-6850 for more information.

## MEMORIAL

A campus memorial service for **Matthew J. Nozzolio**, a Cornell student who died on June 13, will be held in the Anabel Taylor Chapel on Saturday, Sept. 3, at 2:30 p.m. Nozzolio, 21, died after being stricken with spinal meningitis while serving on the U.S.S. Nassau while on active duty in the U.S. Navy Reserve Officer Training Corps (ROTC). He had completed his junior year in the College of Engineering.

A native of Port Chester, N.Y., Nozzolio is survived by his parents, Joseph and Anne Dobie Nozzolio of Port Chester, and two sisters, Jane Nozzolio Zuckerberg of Plainview, N.Y., and Beth Nozzolio Catrone of Forest Hills, Queens. He was the nephew and godson of State Sen. Michael F. Nozzolio.

CORNELL  
Chronicle

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# Buoys on Cayuga Lake to gather environmental data

By Larry Bernard

Three clearly marked buoys were to be put on Cayuga Lake this week to gather environmental data for Cornell's study of the lake as a possible cooling source for the campus.

The lighted buoys, which will be in place at least until December 1995, continuously will monitor the water temperature and lake conditions at different depths. Two buoys will be about two miles north of Stewart

Park in the middle of the lake, and one will be on the southeast side of the lake about a half-mile north of the park.

Boaters are asked to steer clear of the buoys so as not to disrupt the collection of scientific data. The buoys, white with orange rectangles and marked with warning signs, are permitted by the state Department of Parks and Recreation and Department of Environmental Conservation. They will extend 3 feet above the water and will have flashing

white warning lights mounted on top.

Cornell, with input from local, state and federal government and civic groups, is studying the feasibility of using deep lake water as a source of chilled water to cool the campus. The concept, called lake-source cooling, would replace conventional refrigeration technology, which uses ozone-damaging CFCs (chlorofluorocarbons) to chill water used for air conditioning and humidity control.

Lake-source cooling would require an

intake at the bottom of the lake about two miles north of Stewart Park and a heat-exchange facility near the shore where water from the campus would be chilled before returning to cool the campus. The lake water, entering at about 40 degrees, would be returned to the lake after the heat-exchange process at about 50 degrees.

For questions or comments, call Robert Bland, University Environmental Engineer, Humphreys Service Building, 255-6643.

## Chatting with freshmen



Sharron Bennett/University Photography  
Cornell President Frank H.T. Rhodes talks with freshmen Sunday at his annual reception in the Memorial Room of Willard Straight Hall. Bad weather forced the reception, normally held at the president's home, indoors.

## On Cornell, 60 years later

By Larry Bernard

When you spend 60 years here, you see a lot of things.

Like Isidor Rabi and Hans Bethe, two future Nobel laureates in physics, playing baseball in Skaneateles with other physicists and students in the 1930s.

"Picnics have always been with us," said Paul L. Hartman, professor emeritus of physics and of applied and engineering physics. "We used to get together with the University of Rochester Sunday afternoons at Kreb's restaurant in Skaneateles, where you could eat as much as you wanted. That was important, especially if you were a graduate student."

Hartman, who came to Cornell in 1934 as a graduate student and earned a Ph.D. in 1938, reminisced about the physics department history Monday afternoon at the first General Physics Colloquium for the semester, in a talk called "Looking Back - Reflections on 60 Years at Cornell."

Over 60 years, you see things. Like President Edmund Ezra Day agreeing to fund a program - and Cornell's first synchrotron - in nuclear physics.

"As Day said, the trouble was not with nuclear forces but with nuclear physicists. Then he gave \$1.1 million to start the Newman Laboratory. And the trustees worried about it," said Hartman, who retired in 1983.

Spend six decades someplace, you're bound to see things. Like the first faculty meeting Bethe attended after arriving in 1935. Next year will be Bethe's 60th year at Cornell, and he was in the Schwartz Auditorium audience to hear his colleague.

"I had heard about Hans Bethe from others," Hartman said. "Bethe came and it was a very happy circumstance. He fit right in. But that first faculty meeting must have been a bit of a shock. They spent the whole first hour debating whether to put a soda pop machine in the basement."

Hartman has been busy in retirement. He wrote histories of the physics department, the School of Applied and Engineering Physics and of the *Physical Review*, the now ubiquitous physics journal started at Cornell 100 years ago. In his talk, he described how the journal got its start under Edward L. Nichols, who had worked with Thomas Edison. Frederick Bedell, Cornell's first physics Ph.D., was one of two editors.

He also recalled how William Anthony, who came from Iowa State University, "brought with him the notion of the demonstration lecture. We still use it today. He believed in seeing physics. He did demonstrations downtown and charged admission. It helped run the department," Hartman said, adding that Anthony built the first streetcar in Ithaca and built the first dynamo, an electrical generator to provide DC power, or direct current.

Hartman left Cornell for seven years after earning his doctorate, and worked at Bell Labs. "I had no intention that I'd ever get back to Cornell," he said. But while "we used to have more parties than you have today," Hartman added: "Over the years, in general, the department has been a very cooperative, harmonious group. It's a very pleasant place to have worked. I feel very fortunate to have been a part of it, and I just hope someone 60 years from now can say the same thing."

## Sutphin named associate dean of the Ag College

By William Steele

H. Dean Sutphin, chair of Cornell's education department, has been named associate dean for academic programs for the College of Agriculture and Life Sciences. His appointment is effective Sept. 1.

He succeeds George Conneman, who has returned to teaching and research after 13 years in the post.

Since joining the Cornell faculty in 1982, Sutphin has become an advocate for the use of new technologies in education at both the high school and college levels, particularly in the teaching of agricultural science and technology, and he promises to bring that interest to his new job.

"I think our number one goal is to be the premier institution in the nation in instruction and in maintaining the linkage between research, instruction and extension," said Sutphin, who holds the rank of associate professor in the education department.

"That certainly implies that we will have a serious commitment to new educational technologies that could be used in reaching that goal, and in our research activities we should be on the cutting edge in creating those technologies."

He added: "None of this means that we necessarily overlook the existence of traditional methodologies that have served us well and will continue to do so. What we want is the optimum combination."

In commenting on the appointment Dean David L. Call said, "We are very pleased that he is willing to accept this important position since he has demonstrated through his teaching and research program an excellent understanding of the needs of our students."

In his teaching and research, Sutphin has focused on the use of microcomputers in classroom situations and on "distance learning," or the distribution of courses via satellite. Shortly after arriving at Cornell he instituted the first course in "Instructional Applications of Microcomputers." The first class, he recalled, had about five students. By the time he gave it up to another teacher two years ago, some 300 to 400 students applied



**'When students come to Cornell, we are committed to them for lifelong learning in terms of curriculum, advising . . . and consultation throughout their careers . . .'**

—H. Dean Sutphin

each year for 200 spaces in the course.

He helped launch the first satellite-based course ever offered in the College of Agriculture and Life Sciences in spring 1992. The course on the improvement of college education combines instruction transmitted via satellite from Ohio State University with local classes taught by Sutphin and colleagues. He hopes to continue some teaching while serving as dean, he said.

In recent years he has also studied the attitudes of high school students toward agricultural careers and their reasons for

choosing - or not choosing - agriculture-related courses.

As a researcher and curriculum consultant for a pilot program called Agri-Tech Prep 2000 he has helped to develop a curriculum that will provide continuity in agricultural science instruction from high school through two-year and four-year colleges.

Now, he said, his attention will be focused on what happens to students in their college years and beyond.

"When students come to Cornell, we are committed to them for lifelong learning in terms of curriculum, advising, helping them acquire jobs, being available for references and consultation throughout their careers, and making them part of our worldwide alumni network," he explained.

The recipient of many awards, Sutphin was named the top young educator in the nation in 1987 by the National Association of Teacher Educators in Agriculture. In 1985, he was named Author of the Year by the American Association of Teacher Educators in Agriculture. He has also received journalism awards at the state and national levels, from 1982 to 1991.

He has just concluded a year as president of the American Association of Agricultural Educators and as president of the Cornell chapter of Gamma Sigma Delta, an international honorary society in agriculture and life sciences.

Sutphin earned his B.S. in 1972 and M.S. in 1975 at Virginia Polytechnic Institute and State University. He received his Ph.D. in agricultural education, vocational education, teacher education, research and educational administration from Ohio State University in 1981. He came to Cornell in 1982 and became department chair in 1992.

# CONSTRUCTION BOOM, FALL 1994

## Ho family gift will fund new Central Avenue plaza

By David Stewart

Thanks to a \$2 million gift from two generations of Cornellians from one family, Central Avenue from Campus Road to McGraw Tower is being "regenerated as the soul of campus — the campus crossroads for students, faculty and the community."

In making their gift, members of the Ho family, from California and Hong Kong, said the restoration project will provide "a gracious entry point to the heart of Cornell."

During the years since Central Avenue

connected the university's first residence hall — Cascadilla Hall — and the first academic buildings on Stone Row, it was realigned several times and was transformed from a meandering dirt road to a busy, paved elm-lined street. With the decline and death of the elms, Central Avenue lost much of its original beauty.

The redevelopment project will give the campus landmark a place that "nurtures and inspires, communicates the values of the institution and gives identity and a sense of place to all who study here," according to

Mui Ho, who earned a bachelor of science degree from Cornell in 1962 and a bachelor of architecture degree in 1966. She is an architect and faculty member at the University of California at Berkeley.

Speaking on behalf of her brother, sister-in-law and nephew, Ho said their gift is made "in gratitude for the excellent education [we] received at Cornell and in recognition of Cornell's Asian alumni." She said her family wanted to set an example for other Asian students and alumni who might find themselves in a position to give some-

thing back to Cornell and to strengthen the university for future generations.

Hau Wong Ho earned a bachelor of engineering physics degree in 1955; he is a businessman in China and Hong Kong. His wife, Christine, earned a bachelor's degree in chemistry in 1961, and their son, Jet King Ho, was graduated in 1991 with a bachelor of science degree in physics.

The area between Willard Straight Hall and the Campus Store will be named Ho Plaza, and a plaque will be inlaid at the center.

### Construction *continued from page 1*

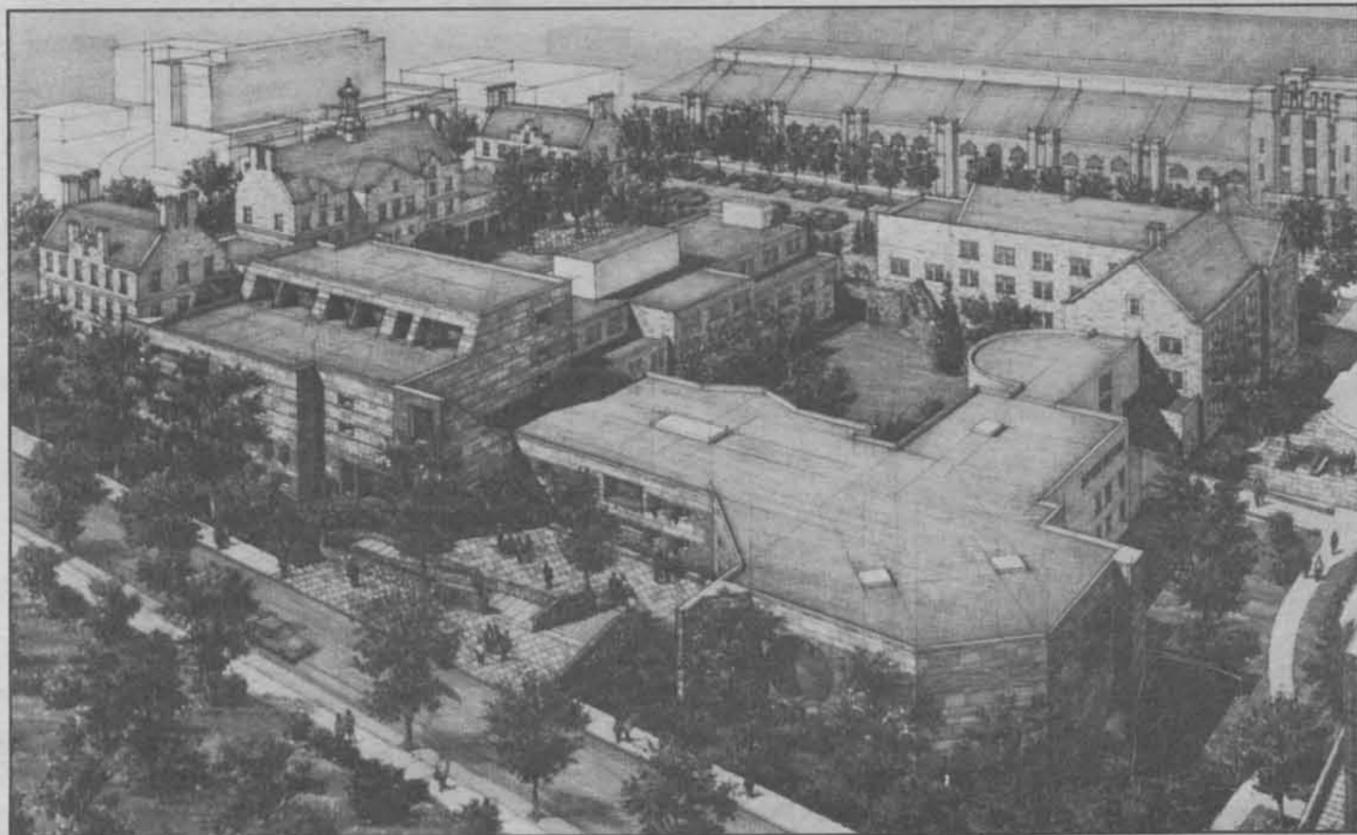
the area each day — is Central Avenue between Willard Straight Hall and the Campus Store. It is getting a \$2 million facelift with new trees, landscaping and a pedestrian plaza to be named for its donors, the Ho family, which includes four Cornell graduates since 1955. (See related story, above.)

Long known as a landmark scene for rallies and social activities, the block from Campus Road to McGraw Tower lost much of its luster when towering elm trees succumbed to Dutch elm disease in the 1950s and 60s. Hardy, low-maintenance London planetrees will be mingled with new seating, gathering places and walkways to accommodate the many facets of campus life in front of the Straight. This campus beautification project will be completed in December.

A \$7.5 million renovation project to upgrade Wing Hall is under way; completion is scheduled for 1996. The building is being upgraded for teaching and research purposes, as well as improvements for fire safety and accessibility.

Construction fences already are in place for the \$15 million library and academic project for the School of Industrial and Labor Relations. The project begins with asbestos removal before three floors of space can be added to Ives Hall. About two-thirds of the additional 45,000 net square feet of space will be for ILR's Catherwood Library. The addition will create a new entrance to the school from Tower Road, which is closed between Garden and East Avenues for about two years.

Looking ahead, the 110,000-square-foot addition to Mann Library is scheduled to begin in 1995. The \$17.4 million project will provide the library, which houses one of the world's largest collections of agricultural resources, with state-of-the-art facilities and climate controls to preserve the



Herbert Beckhard and Frank Richlan & Associates, Architects

Architect's rendering of new facilities and renovations planned for the School of Industrial and Labor Relations.

books and other materials. It will take almost three years to complete.

Design work is in progress for \$3.5 million in new greenhouses for the College of Agriculture and Life Sciences. The new facilities will be located at the current greenhouse complex at Guterman Laboratory at Caldwell Field. Construction is scheduled to begin in 1995 and to be completed in 1996.

Design work has begun for a \$4.8 million addition to Martha Van Rensselaer Hall for the College of Human Ecology. The addition

will house new classrooms, laboratories and office space. Construction is expected to begin in 1996 and be completed in 1998.

In the planning stage is a new home in an old building, Sage Hall, for the Samuel Curtis Johnson Graduate School of Management and renovations and an addition to Lincoln Hall, home of the Department of Music. A team of campus planners and architects is working with local historic groups and the city of Ithaca building department to see if modern-day programs can be accommodated in Sage and Lincoln halls and still meet the often conflicting requirements of current building codes and local historic-preservation regulations.

Site-design criteria have been established for two other projects at opposite ends of the campus. The first project calls for replacement of outdated facilities at Stocking Hall, where food science research and instruction are conducted in meat, fish and dairy products. The State University Construction Fund has agreed to replace the middle portion of Stocking Hall with an up-to-date facility in accordance with the master plan of the College of Agriculture and Life Sciences.

At the College of Architecture, Art and Planning, deficiencies in Tjaden, Sibley and Rand halls and the foundry will be corrected later this decade to extend the life of the current facilities. No major growth or modifications of facilities is included, but site-design criteria call primarily for interior work. Tjaden, Sibley and the foundry were built between 1870 and 1883, while Rand was constructed in 1911.

Two projects still on the drawing board are hoped-for renovations to Bailey Hall and the proposed Bailey Plaza. The area is now a parking lot surrounded by Malott, Bailey and Kennedy halls and the Space Sciences building. No timetable has been established for the projects.

And there are long-range plans for addi-

tions and renovations at the College of Arts and Sciences, the College of Engineering and other teaching and research facilities — some just to comply with federal, state and local regulations, such as the Americans with Disabilities Act and environmental concerns, and others to meet the needs of a modern university as it enters the next century.

Then there's the "underground Cornell," where scores of utilities upgrades take place — from steam lines to fiber optics to chilled-water systems. Ongoing public-works projects also include maintenance of water and sewer lines and 16 miles of streets, roads and parking areas on campus.

Maintenance of rooftops and heating and air-handling systems also adds to the almost quarter-of-a-billion dollars that will be spent on the Ithaca campus by the end of the decade. Recent improvements made to the ventilation system in S.T. Olin Chemistry Research Laboratory alone cost \$6.2 million.

In what could wind up being the university's largest, single public-works project ever, engineers are gathering environmental data on Cayuga Lake as a possible cooling source for equipment and buildings on campus. Such a project would cost at least \$50 million.

Cornell is investigating the feasibility of using 40 degrees Fahrenheit lake water to replace conventional refrigeration technology that uses ozone-damaging CFCs (chlorofluorocarbons). Lake-source cooling would require an intake 200 feet deep in Cayuga Lake, about two miles north of Stewart Park. Water from the lake would not mix with water from campus, but a heat-exchange facility near the lake shore would chill the water from the campus system before it is pumped back up the hill.

Results of the study will be made public before a decision is made on this concept or a conventional, but perhaps less environmentally friendly means of cooling the campus.

## Tjaden Hall safety improved

By Roger Segelken

Major improvements over the summer to Olive Tjaden Hall should make that Department of Art facility a safer place to work.

The \$100,000 project included installation of new air intake and exhaust vents on Tjaden's third floor, where art studios are located; fire separation of stairwells with fire-rated doors; 10 eye-wash stations; smoke detectors in all spaces connected to a central alarm system; and electrical component upgrades and repairs throughout the building, according to Joseph M. Lalley, operations manager in planning, design and construction.

Life safety became a concern for the structure on the north end of the Arts Quad, in part, because of numerous chemical solvents used in painting and printing inside an old building with a wooden interior and open stairwells. Installation of ventilation equipment on

Tjaden's third floor allowed solvent use to be centralized in that part of the building. In addition, almost all silk-screen printing operations now will utilize water-based materials.

The modifications helped Tjaden Hall meet the minimum safety requirements and will allow for continued building utilization until major renovations are possible, according to Andy Garcia-Rivera, director of environmental health and safety for the university. Noting that modifications to protect health and safety of all building occupants were completed "in record time" before fall semester classes began, Garcia-Rivera credited a "team effort" by several university units: planning, design and construction; facilities and campus services administration; environmental health and safety; as well as the offices of the vice president for planning, vice president for facilities and campus services; and the dean of architecture, art and planning.

# Classics professor filmed for Learning Channel series

By Carole Stone

Ever since he got his Ph.D. in the year that astronauts first talked to us from the moon, Classics Professor Kevin Clinton has been studying Greek gods and goddesses. This fall, he'll have a chance to share what he's learned with 30 million American households when The Learning Channel cablecasts "Women of Lesbos," a half-hour show that includes an interview with the Cornell scholar.

"Women of Lesbos" is slated for Thursday, Sept. 1, at 8 p.m. It will be part of a 13-week series, "Archaeology."

"How do you think it went?" Clinton, 51, asked apprehensively after the channel's camera crew finished taping him outside Goldwin Smith Hall.

"I think we've got what we need," said the interviewer, a young man with a light British accent and a cheat sheet of notes from his producer on the goddesses Demeter and her daughter Persephone, or Kore. A sanctuary to Demeter and Kore is being excavated on Lesbos by Professor Hector Williams of the University of British Columbia and will be featured in the show.

Demeter and Kore, two Olympian goddesses, are associated with the most important religious event in the ancient world, the Eleusinian Mysteries. Clinton has done archaeological work at the sanctuary of Demeter and Kore at Eleusis and published a scholarly book, *Myth and Cult: The Iconography of Eleusinian Mysteries*, about the Mysteries two years ago.

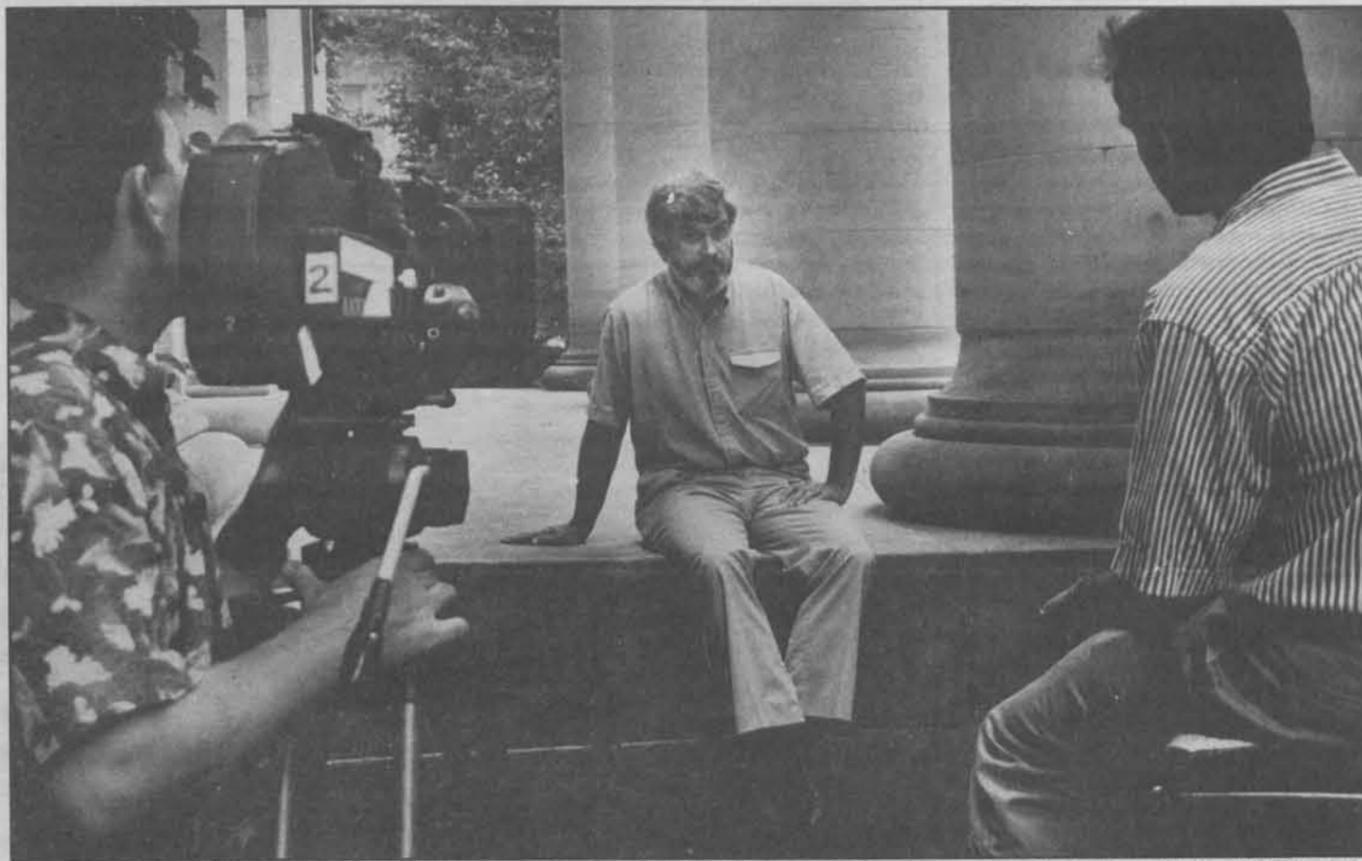
Still, it was not the Mysteries that brought The Learning Channel to Ithaca. It was another religious festival, the Thesmophoria, an annual commemoration of the goddess Demeter's grief at the rape of her daughter Persephone and her joy at their reunion.

The rituals of the three-day Thesmophorial varied from city to city, but all derived from the Homeric Hymn to Demeter, which tells how Persephone was abducted by Hades, Demeter's brother and god of the Underworld, to be his bride.

Demeter discovers her daughter had been abducted and searches for her for days, all the while grieving horribly. The world grows barren. Nine days later, with the help of the people of Eleusis, mother and daughter are reunited. The terms of their reunion, however, are that Persephone can be with her mother for eight months of the year but must return to Hades for four months.

The Thesmophoria was a festival for women only, and men were not allowed even to watch, Clinton said. The practices were considered private and included nudity for at least some of the time.

At Eleusis, site of the most important sanctuary to Demeter and Kore, the festival



Sharron Bennett/University Photography

Classics Professor Kevin Clinton sits outside Goldwin Smith Hall while being filmed July 7 by The Learning Channel film crew. At left is cinematographer Peter Hawkins and right, Producer Chris Bryson.

began with women dropping piglets they had brought with them into deep pits. On the second day, they sat on the ground and fasted, like Demeter grieving for her lost daughter. And on the third day, women known as "fetchers" went down into the pits and brought up the rotten remains of the piglets thrown into the pits the year before.

the fields and to the ability of women to bear and nurse healthy children," Clinton said.

To try to understand the Thesmophoria in terms of the relations between the sexes in ancient Greece, The Learning Channel crew asked Clinton a number of questions about the status of women and the meaning that the annual festival probably held for them.

hance their roles as women," Clinton said.

"The festival known as the Thesmophoria was of vital importance because of the simple fact that the very existence of the city depended on the fruitfulness of its fields and on the ability of its women to bear and nurse healthy children," he added.

No doubt men were somewhat concerned when their wives and daughters went off for three days without them, but they probably were not threatened by it, Clinton said, in answer to a question.

"The men were in complete control and could have ended the practice at any time if they had wanted to, so I don't think they were too concerned," he said.

Still, women organized the festivals themselves, they chose their leaders, and at least one ancient source, the playwright Aristophanes, played on men's fears in his satire, *The Women at Thesmophoria*, which portrays the festival as a political gathering — even though it clearly was not, Clinton said.

And did Sappho, an aristocrat, poet and lover of women, who was a mother of a daughter herself, play an active role in the Thesmophoria held on Lesbos?

"We don't know," Clinton said. "Sappho surely took part, but how active a role she played we don't know," Clinton said. "It is conceivable that Sappho was a leader, but we don't know for sure," he said.

**'The festival known as the Thesmophoria was of vital importance because of the simple fact that the very existence of the city depended on the fruitfulness of its fields and on the ability of its women to bear and nurse healthy children.'**

— Kevin Clinton

This "sacred compost" was laid out on altars from which people could take bits of it to mix with their seed grain; it was considered "a magical substance, charged with the power of the goddesses and believed to increase the fertility of seeds," Clinton said. He said the women probably also smeared the stuff on themselves.

"Just as Kore returns to her mother in the myth and grain starts growing again in the fields, in the festival the piglets return as life-giving compost that adds new vitality to

The status of women in ancient Athens was lower than that of men. Women were not citizens, they couldn't vote or own property, they didn't take part in politics, and if a man brought another man to his home he would not be expected to introduce his guest to his wife, Clinton said.

It's very likely that women looked forward to the festival as "a chance to get together as women, away from the men, and an opportunity to get close to two goddesses and to get their blessing, which would en-

## Greek inscription project creates database of all stone documents

By Carole Stone

Leave no stone unturned.

That's the motto of the Greek Epigraphy Project at Cornell.

What started out nine years ago as a fairly modest project — to create a database of all the documents carved on stone in Attica, the area in and around Athens — has grown into a catalog of every known inscription in the Greek language from 650 B.C. to 1200 A.D.

The database contains well over 100,000 entries and is still growing. Exactly how many entries it has is difficult to say.

The project expects to release its third CD-ROM of collected inscriptions next spring, and "maybe after that we'll take a break long enough to count what we have," said Nancy Kelly, a research associate in the Classics Department who has been a director of the project since its inception under another name, The Center for Greek Inscriptions at Cornell. The other co-director is research associate John Mansfield.

The project is administered by Classics Professor Kevin Clinton and is funded by the Packard Humanities Institute in north-

ern California.

"All of the inscriptions we've collected have been published in books or journals, but nobody's ever indexed them," Kelly said. "I've talked to people who've said to me, 'It took me two years when I was writing my dissertation to track down all the

changed and to publish them in a permanent and very conspicuous way, Kelly said. For example, if two cities made a treaty, then carvers would inscribe the terms of the treaty on identical stones, and one stone would be placed in one city and another stone in the other city.

**'One of the best things about working with inscriptions is that they're a direct transmission of the language. You don't rely on anyone's memory or on translations into other languages.'**

— Nancy Kelly

references your database came up with in 90 seconds," she added.

The database contains a wealth of material — monuments to fallen soldiers, monuments erected by victorious ones, treaties between cities, laws, decrees, poetry, music and even philosophy.

The whole point of writing things down in stone was to keep them from being

However, like almost everything else from antiquity, inscriptions are rarely discovered intact. Fragments sometimes can be pieced together, but letters, words and whole lines may be missing. One of the trickiest parts of the scholarship is to puzzle out what the missing parts might have been.

The Greek Epigraphy Project at Cornell

does not get into any of the debates on how to interpret inscription fragments. Whatever exists is copied.

"You'd be surprised how often they made mistakes," Kelly said. "Sometimes they'd lose their place and repeat a whole line."

When it is complete, the Greek Epigraphy Project will complement the Thesaurus Linguae Graecae, another computer-database project that intends to offer all of Greek literature from Homer to the sixth century A.D. in electronic form.

For now the Greek Epigraphy Project has grown so large that several other universities or academies are collaborating, and Cornell is coordinating their efforts. Ohio State University's Center for Greek Epigraphy has concentrated on inscriptions from the Peloponnese, some of the Greek islands and other areas. The University of Toronto's Classics Department specializes in gravestones, used for genealogies. The Free University in Brussels is concentrating on inscriptions found in Egypt. And the Austrian Academy of Sciences is working on inscriptions from Attica — which is where Cornell began.

# Editor to speak on 12th-century water management

By Lisa Bennett

Historical archaeologist Terry Kinder will speak on "Living in a Vale of Tears: The Sites of Cistercian Monasteries and Water Management in Twelfth-Century France" Thursday, Sept. 15, at 4:30 p.m. in Kaufmann Auditorium of Goldwin Smith Hall.

One of the few female scholars in this field, Kinder nevertheless works closely and successfully with monks as editor of the pre-eminent monastic history journal, *Citeaux: Commentarii Cistercienses*, pub-

lished in France.

"Kinder's scholarship has revolutionized modern assessments of medieval accomplishments both in engineering and in environmentalism," said Cornell historian Paul Hyams.

"Her talk will interest people from the humanities and from the sciences. She has convincingly demonstrated that monks of medieval times designed better systems than many of those today," said Hyams, an associate professor of history who specializes in medieval European history and is director of the Law and Society Program in the

College of Arts and Sciences.

Water management at monasteries became an issue in the 12th century, Hyams explained, because the monasteries often were located far from cities and often in isolated narrow river valleys. Since the buildings plugged natural water courses, they had from the start a water problem.

They were, therefore, among the first institutions to establish independent water management systems. The results include excellently designed drains, worth resurrecting today, Hyams said.

"Kinder is a superb lecturer, a first-rate

scholar and editor. And she doesn't mind crawling around in tunnels as an archaeologist should," he added.

Before becoming editor in chief of *Citeaux: Commentarii Cistercienses* in 1993, Kinder served as an archaeologist at monastic and historical sites in France and as a professor at several American colleges.

She earned her Ph.D. in medieval art from Indiana University in 1982 and her A.B. and M.A. from Syracuse University in 1972 and 1975, respectively.

Her talk, one in the series of University Lectures, is free and open to the public.

## Campus Club offers varied activity groups

By Barbara Yien

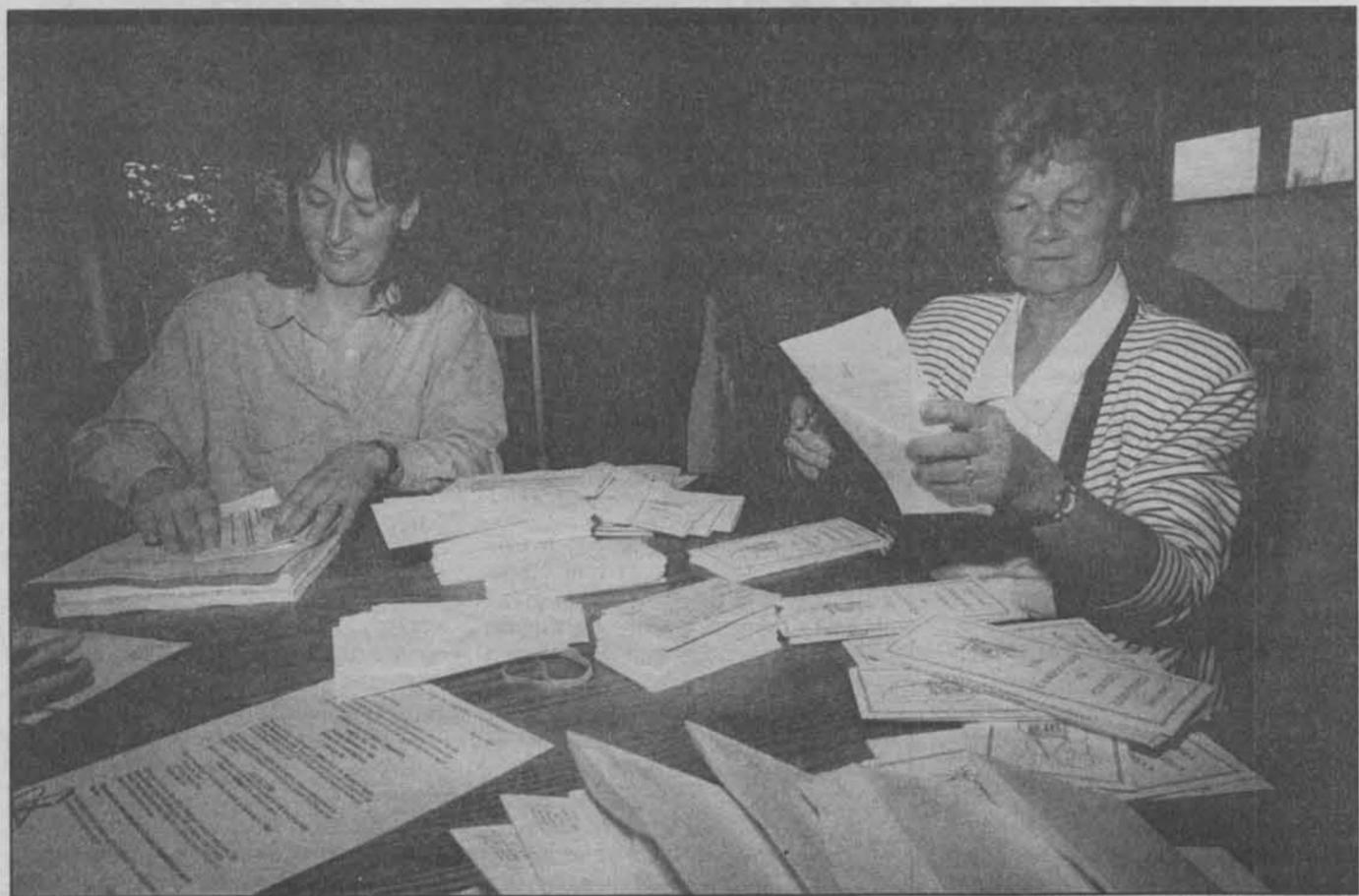
Are you a female member of the Cornell community interested in joining an activity or service group, attending lectures and taking part in social events while meeting other women of the university community?

If so, the Campus Club wants to see you at its annual fall membership tea kickoff on Sept. 8 at the Sheraton Inn Ballroom. With a membership of 600, the Campus Club has been providing women of the Cornell community the opportunity to meet others with shared interests for more than 90 years.

Activity groups of 15 to 30 people meet regularly and are offered in a wide variety of areas, among them: baby-sitting, bird study, bridge, couples gourmet foods, fitness and conditioning, French conversation, German conversation and instruction, golf, Italian, needlework, music, playreading, quilting, sewing, skiing, Spanish and English conversation, swimming, tennis, writing and yoga. Service groups provide volunteer opportunities with the Tompkins County Chapter of the American Red Cross, Gannett Health Center and the club's International Committee.

The Campus Club holds three main social events during the year—the Fall Tea; the Holiday Tea at the home of Rosa Rhodes, wife of President Frank H.T. Rhodes, in December; and the Spring Luncheon.

The club offers a lecture series open to the public that will consist this year of



Peter Morenus/University Photography

Campus Club members Melissa Pollock, left, and Katie Forker stuff envelopes with information about their club.

a tour of Akwe:kon, the American Indian program house; a tour and wine tasting at the Hotel School; a presentation of artwork at the Johnson Museum; and a demonstration of reactor and radiation detection at the Ward Laboratory of Nuclear Science and Engineering.

"The object of the Campus Club is to promote the social and educational interests of women and of the university in general, to extend a welcome to newcomers and to promote more general acquaintance and friendship," said Pat Clark, the club's president.

The club invites all women employees,

wives of employees, women graduate students, wives of graduate students and wives of trustees to become members. Interested women can sign up for activity and service groups at the Fall Tea, which will be held at the Sheraton from 1 to 3 p.m. Sept. 8. For information, contact Clark at 257-0407.

## Four-day Cornell conference explores meaning of opera buffa

By Darryl Geddes

Leading opera scholars from Europe and North America will gather on the Cornell campus for a four-day conference in September to explore the aesthetic meaning and social habits of 18th-century Italian-comic opera, known as *opera buffa*.

The conference, "*Opera Buffa in Mozart's Vienna*," which will be held Sept. 8 to 11, will break new ground in the study of some of the most popular works in the *opera buffa* repertory, including Mozart's *The Marriage of Figaro*, *Don Giovanni* and *Così fan tutte*.

These works, said conference co-director James Webster, professor of music at Cornell, have not been sufficiently examined for the artistic and social contexts in which they originated. "It is becoming increasingly clear, however, that Mozart's operas responded directly to these contexts and were, indeed, part of an elaborate artistic, cultural and social dialogue, involving composers, librettists, performers and audiences," Webster said. "The most important task of our conference is to elucidate the nature of that dialogue."

The conference opens Thursday, Sept. 8, at 4:30 p.m. with a keynote address by the leading American scholar of Mozart's operas and *opera buffa*, Daniel Heartz, a pro-

fessor at the University of California at Berkeley. Heartz, winner of the 1991 ASCAP-Deems Taylor Award for *Mozart's Operas* (UC Press 1990), will present "*Opera Buffa in Vienna in Mozart's Time*" in Hollis E. Cornell Auditorium of Goldwin Smith Hall. Elected as a fellow of the American Academy of Arts and Sciences in 1988, Heartz is a former vice president and member of the board of directors of the American Musicological Society.

The conference continues through Sunday, Sept. 11, with discussions on "Repertory and Genre" (Friday), "Representations of Class and Gender" (Saturday morning), "*Opera Buffa in the Context of Comedy*" (Saturday afternoon) and "Problems of Analysis and Interpretation" (Sunday morning). All sessions will be held in the Andrew D. White House.

Highlights include presentations on:
 

- "*Lo specchio francese: Viennese Opera Buffa and French Theater*" by Bruce Alan Brown, associate professor of music history at the University of Southern California. Friday, Sept. 9, at 9 a.m.
- "Repertory, Genre and the Operatic 'Work' in Late 18th-Century Vienna" by Dexter Edge, lecturer in music at the University of Wales, Cardiff. Friday, Sept. 9, at 9:45 a.m.
- "Men of Culture, Women of Nature:

The Biology Lessons of *Opera Buffa*" by Tia De Nora, a lecturer in sociology at the University of Exeter, England, and author of "Beethoven, The Viennese Canon, and the Sociology of Identity," published in the *Beethoven Forum* (Vol. 2, 1993). Saturday, Sept. 10, at 9 a.m.

- "Natural and Unnatural Passion: Gender and Rage in Mozart's Operas" by Gretchen A. Wheelock, associate professor of musicology at the Eastman School of Music and author of *Haydn's Ingenious Jesting with Art: Contexts of Musical Wit and Humor* (Schirmer Books, 1992). Saturday, Sept. 10, at 9:45 a.m.
- "Is Viennese *Opera Buffa* Bourgeois Comedy?" by conference co-director Mary Hunter, Cornell Ph.D. '82, associate professor of music at Bates College and author of "Some Representations of *Opera Seria* in *Opera Buffa*," published in the July 1991 issue of *Cambridge Opera Journal* (Vol. 3, No. 2). Saturday, Sept. 10, at noon.
- "The Alternative Endings of *Don Giovanni*" by Michael Robinson, professor of music at the University of Wales, Cardiff. Robinson's talk will be followed by a response by Jessica Waldoff, a Ph.D. candidate in music at Cornell. Saturday, Sept. 10, at 4:30 p.m.
- "Formalist versus Contextualist

Analysis of *Opera Buffa*" by Webster, winner of the 1992 Otto Kinkeldey Award of the American Musicological Society for *Haydn's "Farewell" Symphony and the Idea of Classical Style* (Cambridge University Press, 1991) and author of numerous articles on Mozart's operas. Sunday, Sept. 11, at 11:30 a.m.

Along with Webster and Waldoff, other Cornell faculty and students participating in the conference are Kofi Agawu, associate professor of music; Ronald Rabin, doctoral student in musicology; David Rosen, professor of music; and Neal Zaslaw, professor of music.

Marvin A. Carlson, who chaired Cornell's Theatre Arts Department in the mid-'60s and '70s and now serves as professor of comparative literature at the City University of New York, will speak Saturday, Sept. 10, at 11 a.m.

In conjunction with the conference, a group of Cornell students and faculty will present "An Evening of 18th-Century *Opera Buffa*" Friday, Sept. 9, at 8:15 p.m. in Barnes Hall Auditorium. The performance is free and open to the public.

The conference is made possible by a grant from the National Endowment for the Humanities, an independent federal agency. Campus sponsors are the Department of Music and the Society for Humanities.

# CALENDAR

from page 8

## MUSIC

### Music Department

The first concert of Cornell's Barnes Hall Series will take place Saturday, Sept. 3, at 8:15 p.m. Los Angeles pianist Blaise Bryski and cellist Stephanie Vial from Northwestern University and the Royal College of Music of London will give a joint recital of an all-Beethoven program. Featured compositions are *Seven Variations in E-flat Major, Sonata in G Minor, op. 5 no. 2*; and *Sonata in A Major, op. 69*. Bryski will perform on a six-octave replica of a 1814 Nannette Streicher fortepiano, built in 1994 by Thomas and Barbara Wolf in The Plains, Va. Vial's violoncello is a gift of Ithacan Myriam Saunders, made originally in 1692 by Mathias Albani Tyroli and restored to 18th-century proportions by William Monoco of Staten Island. For information, please call 255-4760.

• Pianist Michael James will present works by Bach, Mendelssohn and Brahms on Sunday, Sept. 4, at 4 p.m. in Barnes Hall.

### Bound for Glory

Sept. 4: Willy Milo String Band will perform in three live sets at 8:30, 9:30 and 10:30 p.m. in the Commons Coffeehouse, Anabel Taylor Hall. Admission is free and open to the public; kids are welcome, and refreshments are available. Bound for Glory can be heard Sundays from 8 to 11 p.m. on WVBR-FM, 93.5.

## RELIGION

### Sage Chapel

John A. Taylor, the Unitarian-Universalist University Chaplain, will give the sermon Sept. 4 at 11 a.m. Sage is a non-sectarian chapel that fosters dialogue and exploration with and among the major faith traditions.

### African-American

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

### Baha'i Faith

Fridays, 7:30 p.m., firesides with speakers, open discussion and refreshments. Sunday morning dawn prayers and breakfast, 7 a.m. For details, call 272-5320.

### Catholic

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

### Christian Science

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

### Episcopal (Anglican)

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

### Friends (Quakers)

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

### Jewish

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

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

### Korean Church

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

### Muslim

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

### Protestant Cooperative Ministry

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

### Sri Satya Sai Baba

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

### Zen Buddhist

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



The Kuchipudi dance style will be exhibited in a performance of *Ramayana*, an Indian ballet written and choreographed by Chinna Satyam, Sept. 7 at 7 p.m. in Statler Auditorium.

## Indian dance troupe to perform

One of the leading dance figures of India will perform a classical ballet Sept. 7 at 7 p.m. in Cornell's Statler Auditorium. Donations are welcome, and the public is invited.

Vempati Chinna Satyam and 40 members of his dance troupe will perform *Ramayana*, a ballet written and choreographed by Chinna Satyam. The ballet is a representation of Kuchipudi dance, a centuries-old form of Indian classical dance characterized by fast rhythm and fluid movements. Kuchipudi, with its elaborate costuming, is considered the most visually attractive of all Indian classical dance styles.

Chinna Satyam founded the Kuchipudi Art Academy in 1963 with a desire to

dedicate his life to Kuchipudi dance. The academy's mission is to instruct and train students in this classical dance and to strengthen and sustain worldwide interest in the form through performances in India and abroad.

Kuchipudi nearly vanished under British rule but has enjoyed a dramatic revival since India's independence. Many culturists credit Chinna Satyam with resurrecting India's classical dance.

Chinna Satyam's visit to Cornell is sponsored by the Cornell India Association, the Southern Tier India Cultural Association, the Council on the Arts, the Department of Music and the South Asia Program.

## SEMINARS

### Astronomy & Space Sciences

"Observations of the Impact of Comet SL-9 in Jupiter," Philip Nicholson and Terry Herter, astronomy, Sept. 1, 4:30 p.m., 105 Space Sciences.

### Chemistry

"Electronic and Vibrational Spectroscopy of Individual Chromophores in Solids," Anne Myers, University of Rochester, Sept. 1, 4:40 p.m., 119 Baker.

### Ecology & Systematics

"Origin of Modern Humans: Continuity or Displacement?" Kenneth A.R. Kennedy, ecology & systematics, Sept. 7, 4 p.m., A106 Corson Hall.

### Entomology

"Damsels in Distress - The Fate of Hawaiian Megalagrion Damselflies in a Remodeled Paradise," Dan Polhemus, Bishop Museum of Natural History, Honolulu, Hawaii, Sept. 1, 4 p.m., A106 Corson Hall.

"Parthenogenesis-inducing Microorganisms in the Parasitic Wasp *Aphytis lingnanensis*," Einat Zchori-Fein, The Hebrew University of Jerusalem, Sept. 6, 4 p.m., A106 Corson Hall.

"Transgenic Arthropod Natural Enemies for IPM Programs: Risks and Realities," Marjorie Hoy, University of Florida, Sept. 8, 4 p.m., A106 Corson Hall.

### European Studies

"Back to the Future: A Critical Appraisal of the Employment Policy Debate in the European Union," Peter Auer, Wissenschaftszentrum, Berlin, Sept. 2, 12:15 p.m., 153 Uris Hall.

"Can One Learn Democracy by Watching It? Institutional Learning Versus Value Diffusion in Germany," Robert Rohrschneider, Indiana University, Sept. 7, 4:30 p.m., G-08 Uris Hall.

### Food Science

"Walmart: The Supermarket of the Future?" Gene German, agricultural economics, Sept. 6, 4:15 p.m., 204 Stocking Hall.

### Fruit & Vegetable Science

"Sustainable Berry Crop Production: Paradigm or Paradox," Marvin Pritts, fruit & vegetable science, Sept. 1, 4 p.m., 404 Plant Sciences Building.

### Genetics & Development

"Differential RNA Editing in Petunia Mitochondria," Bingwei Lu, genetics & development, Sept. 7, 12:20 p.m., small seminar room, Biotechnology Building.

### Latin American Studies

"Agrarian Institutions and Development in the Iberian-American Frontier," Mario Pastore, visiting fellow, Sept. 6, 12:15 p.m., 153 Uris Hall.

### Materials Science & Engineering

Ceramics Afternoon: "Optical Amplifiers for 1.4 Micron Light," Sept. 2, 2:20 p.m., 140 Bard Hall. Topics include: "Spectroscopic Aspects of 1.3 Micron Optical Amplifier Material"; "1.3 Micron Optical Amplifiers Using Pr in Fluoride Crystals"; "Forsterite Optical Composites: Going From Plastics to Near-IR Amplifiers"; and "Making Optical Amplifiers Using Nanocrystals."

### Neurobiology & Behavior

"How to Win Friends and Influence Enemies: The Effects of Conspecifics and Parasitoids on Cricket Behavior," Shelley Adamo, neurobiology & behavior, Sept. 8, 12:30 p.m., A106 Corson Hall.

### Peace Studies

"Buying Time for Peace," video and discussion on demobilization of military forces in Mozambique, Judith Reppy, Peace Studies Program, Sept. 1, 12:15 p.m., G-08 Uris Hall.

### Physiology & Anatomy

"The Intracellular Physiology of Magnesium," Klaus Beyenbach, physiology, Sept. 6, 4 p.m., G-3 Veterinary Research Tower.

### Plant Biology

"The History of Floral Character Complexes Associated With Various Modes of Insect Pollination," William Crepet, L.H. Bailey Hortorium, Sept. 2, 11:15 a.m., 404 Plant Science Building.

### Plant Pathology

"Managing the Health of a Rotational Crop: Winter Wheat in New York," Gary Bergstrom, plant pathology, Sept. 6, 3 p.m., A133 Barton Laboratory, Geneva Agricultural Experiment Station.

### Soil, Crop & Atmospheric Sciences

"Farming Systems Research in Burundi: Farms and Farmers, Beans and Borers, Trials and Tribulations," Jeffrey White, Sept. 6, 10:30 a.m., 135 Emerson Hall.

"Plant-Soil Interaction in Tropical Agroforestry Systems: Current Research and Future Perspectives," Erick Fernandes, North Carolina State University and EMBRAPA, Sept. 8, 11 a.m., 135 Emerson Hall.

### Southeast Asia Program

"Why is There a Southeast Asia Program Here?" John Wolff, Southeast Asia Program, Sept. 1, 12:20 p.m., Kahin Center, 640 Stewart Ave.

### Textiles & Apparel

"Demand Activated Manufacturing in Apparel (DAMA)," Arnold Peskin, Sept. 1, 12:20 p.m., 317 Martha Van Rensselaer Hall.

### Theoretical & Applied Mechanics

"Numerical Simulations of Hydrodynamic Interactions," Anthony Ladd, Cornell/Livermore, Sept. 7, 4:30 p.m., 205 Thurston Hall.

## SYMPOSIUMS

### Music Department

"Opera Buffa in Mozart's Vienna" will bring leading opera scholars from Europe and North America to campus Sept. 8 to 11 to explore the aesthetic meaning and social habits of 18th-century Italian-comic opera. All sessions, except for the opening keynote address, will be held in the A.D. White House. The keynote address, by Daniel Heartz of the University of California at Berkeley, will be given Thursday, Sept. 8, at 4:30 p.m. in Hollis Cornell Auditorium, Goldwin Smith Hall.

## THEATER

### Department of Theatre Arts

Auditions for fall productions will be held Sept. 1 from 7 to 10 p.m. in the Flexible Theater, Center for Theatre Arts. Sign up in the Green Room 101. Open to Cornell students.

In the RPTA/Student Showcase, each new and returning resident professional theater associate will be paired with a student in a 10-minute performance of their choosing, including scenes and songs, Sept. 4, time TBA, Black Box Theatre, free.

## MISCELLANY

### Advisory Committee on the Status of Women

The ACSW regularly holds brown bag luncheons open to the entire community on the fourth Tuesday of each month. For more information, contact Risa Lieberwitz, associate professor of industrial and labor relations, ACSW chairwoman, at 255-3289.

### Alcoholics Anonymous

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

### Astronomical Observing

The Cornell Astronomical Society hosts an open house every clear Friday evening at Fuertes Observatory, located on north campus. Visiting hours are from 8 p.m. to midnight.

### Campus Club Fall Tea

The Cornell Campus Club Fall Tea is open to all of Cornell's female employees and graduate students, as well as wives of Cornell employees or graduate students. Register for membership or sign up for more than 30 activity or service groups. Sept. 8, 1 p.m., Sheraton Inn and Conference Center, Triphammer Road.

### Writing Workshop

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

- 175 Rockefeller Hall: Sunday, 2 to 8 p.m.; Monday through Thursday, 3:30 to 5:30 p.m. and 7 to 10 p.m.
- Robert Purcell Community Center, Conference Room 2: Sunday through Thursday, 8 to 11 p.m.
- 320 Noyes Center: Sunday through Thursday, 8 to 11 p.m.

# CALENDAR

September 1 through September 8

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

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

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

## dance

### Cornell International Folkdancers

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

Sept. 4: Open House, 6:30 to 8:30 p.m. in the Memorial Room of Willard Straight Hall. Fun and easy-to-learn line, circle and couple dances will be taught. The evening will close with requests and demonstrations from 8:30 to 10:30 p.m.

### South Asia Program

The South Asia Program presents a Kuchipudi dance drama, "Ramayana" by Vempati Chinna Satyam and his troupe of 40 artists, Sept. 7, 7 p.m., Statler Auditorium.

### Theater Arts

The Cornell Dance Series opens Sept. 2 at 8 p.m. with The Kevin Wynn Collection, a contemporary dance company based in New York City. The Cornell debut will take place in the Proscenium Theatre at Cornell's Center for Theatre Arts in Collegiate town. Tickets are \$8 and \$10. For more information, call the box office at 254-ARTS.

## exhibits

### Johnson Art Museum

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

- "A Revolution in Color: Chiaroscuro Woodcuts From the Permanent Collection, 1500-1800" is on display through Oct. 23.
- "Buddhist Art in Asia" runs through Oct. 16.
- "The Mexican Muralists and Prints From the Collection of Reba and Dave Williams" runs through Oct. 30.
- "Cultural Signs in Contemporary Native American Art" is on view through Oct. 30.
- The museum's "12 O'clock Sharp: Thursday Noontime Gallery Talks" begins Sept. 8 at noon with a tour and discussion of the "Buddhist Art in Asia" exhibition.

## films

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

### Thursday, 9/1

T.V. Families, Program #1, with guest filmmaker Todd Haynes, includes "Dottie Gets Spanked" by Haynes and "Psychic Mom" by Shelli Ainsworth, 7:20 p.m.

"Sirens" (1994), directed by John Duigan, with Hugh Grant, Elle Macpherson and Sam Neill, 10 p.m.

### Friday, 9/2

T.V. Families, Program #2, includes "MOTV (My Own TV)" by Ayoka Chenzira and "The Secret Life of Houses" by Adrian Velicescu, 7:20 p.m.

"24th International Tournee of Animation" (1994), 7:20 p.m. and midnight, Uris.

"Romeo Is Bleeding" (1993), directed by Peter Medak, with Gary Oldman, Lena Olin and Annabella Sciorra, 9:30 p.m., Uris.

"Sirens," 10 p.m.

### Saturday, 9/3

T.V. Families, Program #3, includes "Family Remains" by Tamara Jenkins, "Night Ride" by Andy Garrison and "Terminal USA" by Jon Moritsugu, 7:20 p.m.

"Hudsucker Proxy" (1994), directed by Joel Coen, with Tim Robbins, Paul Newman and Jennifer Jason Leigh, 7:20 p.m., Uris.

"24th International Tournee of Animation," 9:50 p.m., Uris.

"Sirens," 10 p.m.

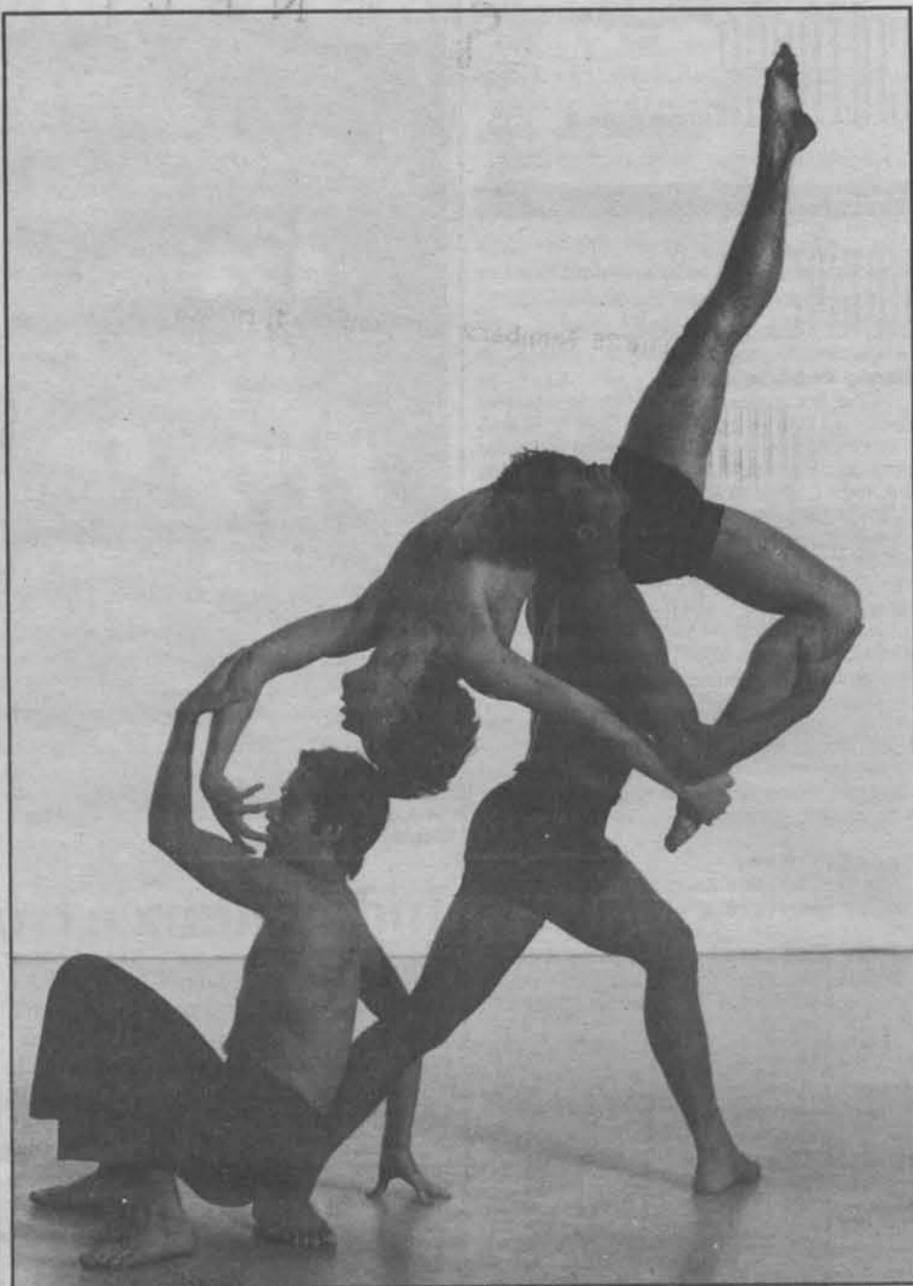
"Romeo Is Bleeding," midnight, Uris.

### Sunday, 9/4

"24th International Tournee of Animation," 4:30 p.m., Uris.

"Slaughterhouse Five" (1972), directed by George Roy Hill, with Michael Sacks, Ron Liebman and Valerie Perrine, presented by Pentangle, 7:30 p.m., Uris, free.

"Hudsucker Proxy," 8 p.m.



John Horne

The Kevin Wynn Collection kicks off the Department of Theatre Arts' Dance Series Sept. 2 at 8 p.m. in the Proscenium Theatre, Center for Theatre Arts.

### Monday, 9/5

"Blood of a Poet" (1930), directed by Jean Cocteau, shown with "Zero for Conduct" (1933), directed by Jean Vigo, 7 p.m.

"Hudsucker Proxy," 9:15 p.m.

### Tuesday, 9/6

"Opium Politics," Southeast Asia Film Series, commentary by Anne Foster, 4:30 p.m., Kahin Center, 640 Stewart Ave., free.

"James Baldwin: The Price of a Ticket" (1989), with guest filmmaker Karen Thorsen, 7:15 p.m.

"Sirens," 10:45 p.m.

### Wednesday, 9/7

"The Tempest" (1980), directed by Derek Jarman, with guest speaker English Professor Tim Murray, 7:30 p.m.

"The Crow" (1994), directed by Alex Proyas, with Brandon Lee, 10 p.m.

### Thursday, 9/8

"Mama" (1990), directed by Zhang Yuan, with

Qin Yan, Huang Haibo and Pan Shaquan, 4:30 p.m., free.

"Schindler's List" (1993), directed by Steven Spielberg, with Liam Neeson and Ralph Fiennes, 7 p.m.

"Belle Epoque" (1992), directed by Fernando Trueba, with Jorge Sanz and Fernando Fernan Gomez, 10:40 p.m.

## graduate bulletin

• **Late registration:** Bring student ID card to the Registrar's Office, 222 Day Hall. A late registration fee of \$200 plus interest payments will be assessed to those registering after Sept. 16.

• **Course enrollment:** Forms are available in graduate field offices and at Sage Graduate Center. Return completed form in person by Friday, Sept. 16, to the Graduate School. Students who completed pre-course enrollment forms last spring do not need to file course enrollment forms.

• **Faculty meeting:** Friday, Sept. 2, 4 p.m., General Committee Room, Sage Graduate Center. This meeting is solely for the purpose of voting on August degrees.

• **TA workshops:** Saturday, Sept. 10; registration forms at graduate field offices or Office of Instructional Support, 14 East Ave., Sage Hall, phone 255-3493. There is no charge to students.

• **Travel grants:** Conference travel grant applications are due at the Graduate Fellowship Office, Sage Graduate Center, by Oct. 1 for November conferences. Applications are available at graduate field offices; registered graduate students invited to present papers or posters are eligible.

## lectures

### Africana Studies & Research Center

"Return From My Native Land: Impressions of Ghana," Anne Adams, Africana Studies & Research Center, Sept. 7, noon, Hoyt Fuller Lounge, 310 Triphammer Road.

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# Cornell Cinema announces September lineup

As part of Cornell Cinema's semester-long Set In Motion series, independent filmmaker Karen Thorsen will discuss her 1989 film, *James Baldwin: The Price of a Ticket*, immediately following the film's presentation Sept. 6 at 7:15 p.m. in Willard Straight Hall Theatre.

Set in Motion, sponsored by New York State Council on the Arts (NYSCA) opened this summer at the Film Society of Lincoln Center in New York City. Set In Motion will feature films and video Tuesday evenings throughout the semester by independent artists who received NYSCA funding. Thorsen will be joined in the discussion by Debby Silverfine, curator of Set In Motion and director of the NYSCA's Electronic Film and Media Program.

NYSCA, considered one of the most influential funders of independent media in the country, is credited with assisting filmmakers like Spike Lee and Barbara Kopple.

The Set In Motion series will continue

Sept. 13 with three short films — *Set in Motion*, *Boccioni's Bike* and *Clarence and Angel*. *Best Boy*, by Oscar-winning director Ira Wohl, will be featured Sept. 20. The film is a personal look at the filmmaker's 52-year-old mentally retarded cousin. *Hospital Dream*, a four-minute autobiographical animation by Madeline Figuerose, precedes the feature presentation.

*Guerillas in Our Midst*, Amy Harrison's 1992 comedy, examines the struggles of the Guerilla Girls against the established New York art world and will be shown with *Current Events* Sept. 27.

All Set In Motion programs, with exception of the Sept. 6 presentation, will be shown at 7:15 p.m. in the Film Forum at the Center for Theatre Arts. Admission is \$2.

Set In Motion is made possible by a contribution from Cornell alumnus Richard Schwartz. Series co-sponsor is the Council for the Arts at Cornell.

Films by director Derek Jarman, who

made some 20 films, wrote five books and produced countless paintings before dying earlier this year of AIDS-related complications, will be featured Wednesdays in September. All films will be shown at 7:30 p.m. in the Willard Straight Theatre.

Jarman's adaptation of Shakespeare's *The Tempest* will be shown Sept. 7; *Caravaggio*, a fantasy-inspired view of the Baroque artist's life, will be screened Sept. 14; *The Last of England* will be presented Sept. 21; and Jarman's final film, *Blue*, a 76-minute narration taken from his hospital diary, will be shown Sept. 28 at 7:30 p.m. A panel discussion on Jarman's work will conclude the series Sept. 30 at 4 p.m. in the A.D. White House.

In addition, Cornell Cinema's September lineup features the Oscar-winning *Schindler's List* and recent releases *Threesome*, *Maverick*, *With Honors*, *Reality Bites* and *Four Weddings and a Funeral*.

For information on Cornell Cinema's September program, call 255-3522.