Cornell
CHRONICLE

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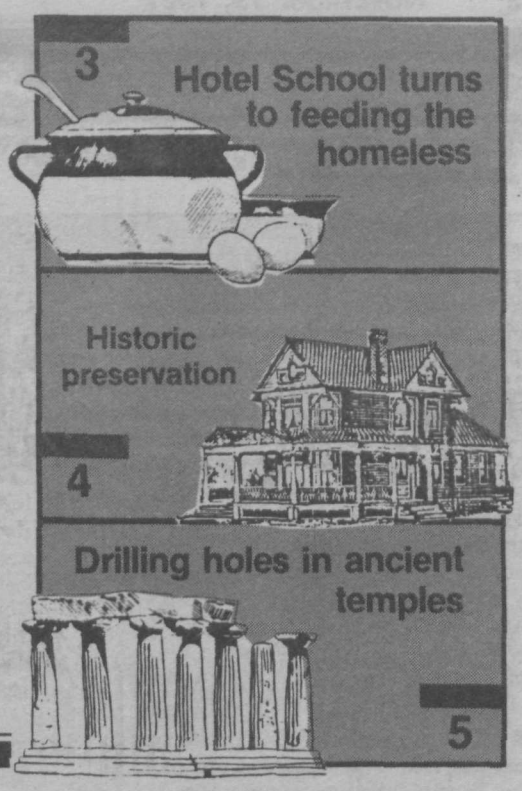
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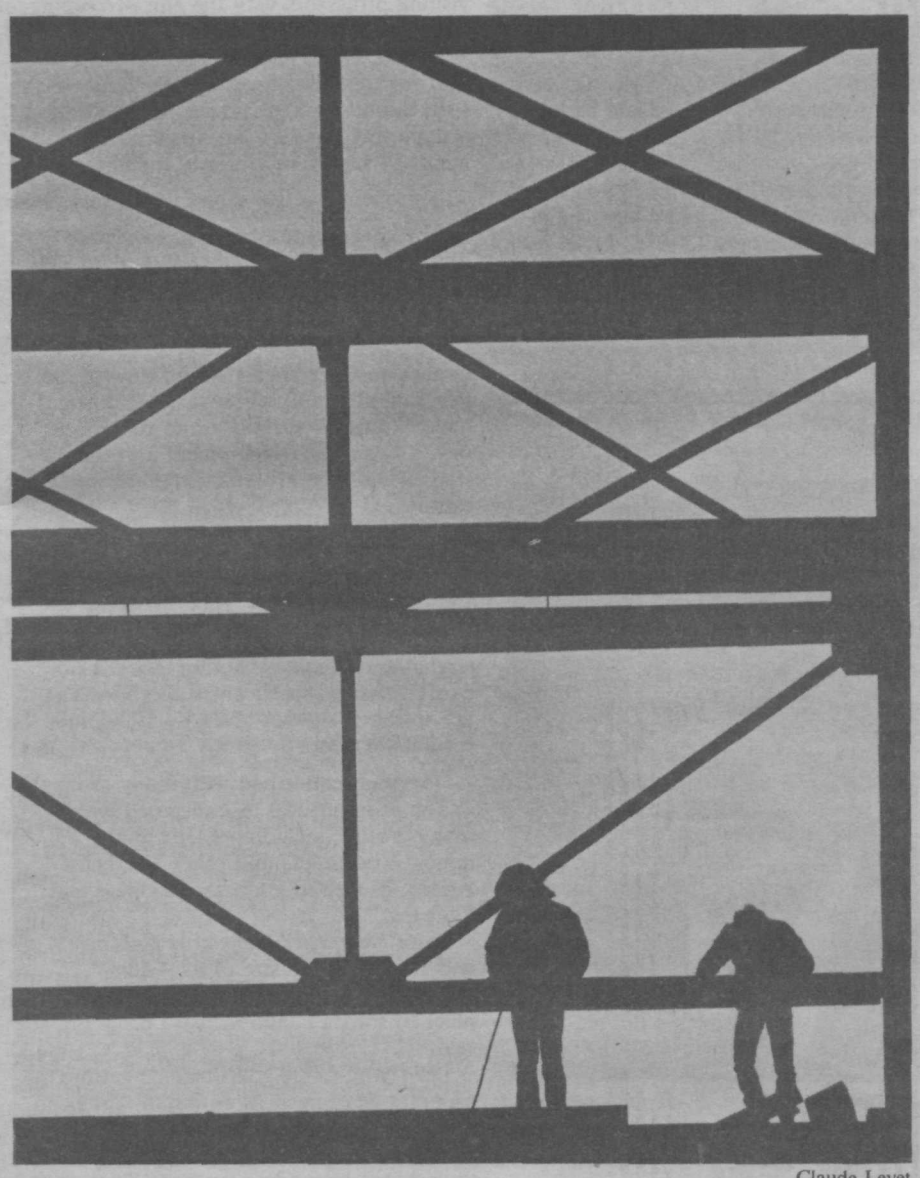

Claude Levet

**Construction of Academic I**

# G.E. executive to take post for planning, construction

Paul M. Griffen, a General Electric Co. executive, will become the top manager of Cornell's existing and future construction projects in January, Senior Vice President James E. Morley has announced.

Griffen is currently manager of facilities and equipment development at G.E.'s Corporate Research and Development Center in Schenectady.

In announcing Griffen's selection for the post of associate vice president for facilities planning and construction, Morley said:

"Paul Griffen has the breadth and depth of experience to lead our facilities programs in the years ahead. In his 25 years with G.E., he has been a technician, teacher, research director and author of 15 technical papers as well as director of such major projects as the design and construction of a $120 million expansion of the Schenectady center. We're delighted to have him join us at such an important time in Cornell's history."

Griffen, whose 19-year-old daughter Nancy is a student in the School of Industrial and Labor Relations, is a 1962 bioengineering graduate of Syracuse University.

Reporting to Morley, Griffen will be responsible for managing all phases of capital-project development and implementation on campus. Morley said he will work closely with Malden C. Nesheim, vice president for planning and budgeting.

Morley said Griffen will play a key role in the effort to improve all aspects of plan-

*Continued on page 2*

# Geneticist Bruns to head Biological Sciences Division

Geneticist Peter J. Bruns has been named director of the university's Division of Biological Sciences.

The professor of genetics and development will assume a five-year post, pending approval by the university's board of trustees.

Bruns takes the place of Geoffrey W.G. Sharp, director since 1983, who will return to teaching in the College of Veterinary Medicine and continue as chairman of the Department of Pharmacology.

Biological Sciences is the university's largest academic division. It includes 139 faculty members who last year conducted more than $12.9 million in research and taught 206 courses in the Colleges of Arts and Sciences, of Agriculture and Life Sciences and of Veterinary Medicine.

The division comprises six sections — Biochemistry, Molecular and Cell Biology; Ecology and Systematics; Genetics and Development; Neurobiology and Behavior; Physiology; and Plant Biology — as well as the Bailey Hortorium and the Shoals Marine Laboratory.

Noting the appointment, Provost Robert Barker said "Professor Bruns brings both expertise — as a section chairman and

*Continued on page 3*

# Asian American Studies Program to begin this spring

The walls are still bare in 492 Caldwell Hall, but only because the new tenant — the Asian American Studies Program — has been too busy with substance to worry much about decoration.

In break-neck time, by usually deliberate academic standards, Cornell has developed the East Coast's first comprehensive program to promote teaching, research and cultural activities concerned with Asian-Americans.

To the program's dynamic director, Psychologist Lee C. Lee, it is high time Asian-Americans knew more about their history in this country and, even more important to Lee, that their countrymen knew more as well.

Of about 18,000 students on the campus, 1,312, or about 7 percent, are Asian-Americans.

**First course to be offered this spring**

Eighteen months ago, the program was just a gleam in a committee's eye. A year ago, Cornell convened a meeting of Asian-American academics to review the need for such studies. Six months ago, Lee agreed to lead the program if it got permanent funding. And in a mid-November address to the faculty, Lee could already report progress: a major course in the spring-term catalogue, a corps of faculty affiliates, a grant program to promote her immediate goals and some long-range plans for expansion.

The program's first course, "Asian-Americans: from Exclusion to 'Model Minority,'" will be given next term by the program's other administrator, Associate Director Sharon M. Lee, a sociologist who is no relation to Lee C. Lee.

Her course will survey the immigration, trials and triumphs of various Asian groups in America since the mid-19th century, the similarities and differences among those groups, and the larger national and world context in which their absorption into America has taken place.

**Influencing mainstream courses**

Lee C. Lee's new grant program offers up to $4,000 for faculty members who introduce Asian-American materials into mainstream courses or who do research on Asian-American topics.

"We've got a very tight budget, and some people have said the grants won't really build the program, but my purpose is education," she said in an interview. "If a small grant can help get some Asian-American substance into a history, English or sociology course, I say that's money well spent."

The grants, which also may be given to develop new courses, will be issued in waves; application deadlines are Nov. 15, Jan. 15 and March 15.

Aside from any grant-inspired materials, Lee C. Lee said she expects to make a real

*Continued on page 2*

de Levet

**Lee C. Lee, right, director of the new Asian American Studies Program, talks with Sharon M. Lee, the program's associate director.**

# Briefs

■ **Bus service and parking changes set for Thanksgiving break**: Several changes in bus service on and to the campus and changes in parking regulations are scheduled for the Thanksgiving Holiday period of Nov. 25-29:

- All CU Transit bus service on campus will be suspended on Thanksgiving Day, Nov. 26, and on Nov. 27 and 28.
- All vehicles registered with the Cornell Traffic Bureau may park in any parking spaces on campus during this three-day period.
- The Blue Light evening bus service will not run Nov. 25 through 29.
- There will be no Tomtran Bus service on Thanksgiving Day.

■ **Most overnight parking prohibited on campus Dec. 1 to April 1**: Most parking will be prohibited on campus between 2 and 5 a.m. from Dec. 1 to April 1 to facilitate snow removal. Vehicles in violation of the parking prohibition will be ticketed and in some cases towed.

Persons who must park in a prohibited area overnight may request advance permission from the Department of Public Safety in Barton Hall, 255-1111.

Exceptions to the overnight regulation include dormitory lots and areas designated for Cornell airport parking at the Research Park opposite the Tompkins County Airport Terminal.

Also overnight winter parking is permitted in specified areas of campus commuter lots: the eastern-most bay of A Lot, the western-most bay of B Lot and the south bay of K Lot.

■ **Students may sign up for breakfast with President Rhodes**: Students may sign up for breakfast with President Frank H.T. Rhodes by calling his office at 255-5201. The breakfasts are held from 7:30 to 8:30 a.m. in the Elmhirst Room of Willard Straight Hall. Reservations are made on a first-come first-served basis. Reservation reminders will be mailed a few days in advance of the scheduled breakfast.

■ **Auction of $10,000 in merchandise on Nov. 27 to benefit nursery school**: Some $10,000 in new merchandise and services donated by 254 area merchants will be offered at a public auction in the Ramada Inn Ballroom from 11 a.m. to 5 p.m. on Nov. 27 for the benefit of the University Cooperative Nursery School.

Proceeds will create a fund for future scholarships and an improved playground for the children in the nursery school, which is situated in the Robert Purcell Union on North Campus.

Child-care will be provided for those who bring children to the auction.

# FCR reacts favorably to minority hiring report

The Faculty Council of Representatives gave a favorable reception at its meeting last Thursday to a 51-page report urging a 30-year commitment to hiring more minority-group faculty members.

The faculty group voted unanimously to send the report — called "The Crisis of Minority Faculty at Cornell" — to its Minority Education Committee for review and then to take action on it in February.

The report, which was prepared by literature professors Walter Cohen and Henry Louis Gates, both of the College of Arts and Sciences, had gone to that committee last spring. (See Cornell Chronicle of 4/16/87.) Now the committee will give it a final review in light of last week's discussion, according to Dean of the Faculty Joseph Bugliari.

**Intense discussion**

That discussion was intense, while not heated, and took up the entire meeting, from 4:30 to 6 p.m., bumping the other two agenda items — reports on new programs in Asian-American and Hispanic studies.

President Frank H.T. Rhodes and Provost Robert Barker attended and reiterated their commitment to recruiting more minority-group faculty members.

The report said earlier efforts had failed. But it also stressed -- as did much of the discussion — that the faculty shares with the administration the responsibility for the results of affirmative-action policies because individual departments are usually the source of recommendations for hiring new faculty.

**Small pool for recruiting**

Part of the recruitment problem is the small pool of minority-group members with Ph.D.s. A table in the report said that 225,812 non-education doctoral degrees were granted between 1973 and 1983, with 4.6 percent of the recipients Asian, 2.3 percent black, 1.6 percent Hispanic and 0.4 percent American Indians.

The university reported that, of the 1,511 tenured and tenure-track faculty members in 1985-86, there were 40 Asians, or 2.6 percent of the total; 19 blacks, or 1.3 percent; 4 Hispanics, or 0.3 percent; and no American Indians. The report's authors noted that the university's percentages were lower than those in the nationwide data.

One disputed point on which the committee may make recommendations is what constitutes a minority-group member, especially concerning faculty members from Asia, Africa or Latin America. The report's authors said such foreigners should not be counted as affirmative-action recruits. No consensus was reached on when, for instance, an African living in America becomes the equivalent of a black American — both in terms of shared culture and as a potential role model for black American students. The question is complicated further by the fact that any definition must take account of federal government definitions of minority groups.

**Defining recruitment goals**

Another disputed point was whether long-term recruitment goals should seek to match minority-group percentages in the Ph.D. pool or the population as a whole.

Industrial and Labor Relations Professor Ronald Ehrenberg, while stressing his support for affirmative-action recruiting, said the goals should continue to be based on the Ph.D. pool. "If we've failed to meet reasonable goals, that's no reason to set unreasonable goals," he said, adding that there should be better plans to reach the earlier goals.

The goals suggested in the report would be to hire 90 new minority-group faculty members over the next five years and, over six consecutive five-year plans, hiring a total of 420.

To stimulate hiring, the authors called for a policy under which departments could add positions and fill them with minority-group recruits on the understanding that, in return, these "mortgaged" departmental lines would not be refilled once their present incumbents retired.

Another idea was funding minority-group visiting professors with the aim of keeping some of them on permanently.

Cohen, Gates and Barker expressed support for the idea of raising new funds for such hiring. Barker said the administration is exploring the idea but made no commitments to supply new money for hiring.

*— Sam Segal*

## Griffen *Continued from page 1*

ning at Cornell.

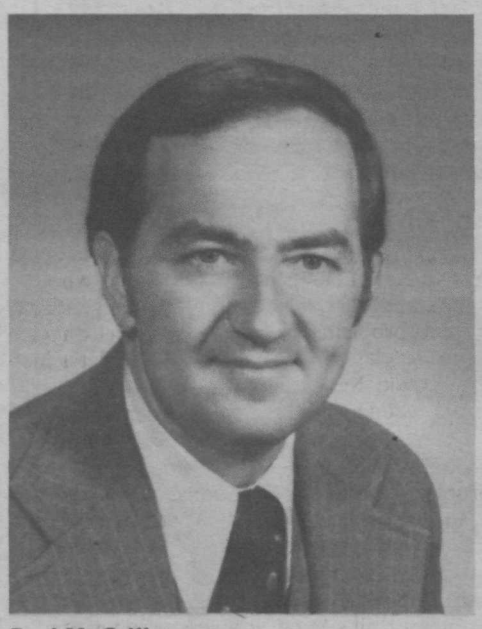
The university trustees, for instance, are considering procedures to assure that all projects get systematic and wide-ranging review, he said; and, under Nesheim, the Campus Planning Committee has been revived with 24 members, from all campus constituencies, and a charge to review comprehensively all future planning.

The commitment to openness extends to the off-campus community as well, Morley added.

Griffen said that "the prospect of working with the Cornell program and the people I've met is an exciting challenge that I can't wait to begin."

From 1966 to 1976, Griffen directed G.E.'s research in bioengineering and biomedical engineering on manipulators, orthotic and prosthetic devices for people and on devices for diagnosing cardiovascular disease.

He then served as program manager in an effort launched by G.E. and state and federal officials to remove and detoxify Hudson River sludge containing PCBs; and, before assuming management of the $120 million facilities expansion, he served as technical liaison scientist for G.E.'s medical and engineering materials group.



**Paul M. Griffen**

*— Sam Segal*

## Asian American Program *Continued from page 1*

impact on Cornell curriculum through 15 program affiliates, whose academic fields include history, sociology and rural sociology, art, human development and family studies and several Asian programs on campus.

These affiliates, though not paid by the program, are committed by their own interest to contribute substantively to the program, Lee said.

"They give the program real academic strength," she added, noting that the only existing Asian-American studies in the East are scattered courses given by individuals in several colleges.

**Program concerned with many groups**

The program will be concerned with many groups, including East Indians, Filipinos, Vietnamese and other Southeast Asians, as well as Chinese, Japanese and Koreans.

Since New York trails only California and Hawaii in the size of its Asian-American population, Cornell is a logical place to start a comprehensive program, she said.

Lee's long-range goals include getting the program designated as an Asian-American Resource Center for the East Coast, starting a summer institute and, in conjunction with these goals, expanding its space on the main campus.

She said the last goal is significant because she sees the program as part of the whole university — not a separate entity. And she added that she welcomes the review of all courses by the Education Policy Committees of the appropriate colleges.

"Ethnic studies should be for all students," she said. "We believe the best way to change society is through education, through understanding. How many people know, for instance, that Chinese were barred from public schools by law in California? Schools had to pay a fine if they took in Chinese students."

**Exposing stereotypes**

The program, though, will not dwell exclusively on history. Right now, for instance, in a New York City elementary school with a great number of Chinese immigrants, she is conducting research on how these children cope with the stresses of their new life.

Even today, there are false stereotypes about Asian-Americans, including the assumption that they are all rich and destined for top colleges and careers in the sciences, Lee noted. Actually, there is wide variation of condition for any single immigrant group, she asserted.

Besides promoting teaching and research, the program will encourage Asian-American cultural and artistic activities. Several speakers already have been scheduled, and Cornell plans to host the 10th annual national conference of the East Coast Asian Students' Union in April. And in early May, the program itself will host a symposium on Asian-Americans and higher education.

*— Sam Segal*

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# Students to name three juniors to undergraduate education panel

The Student Assembly has been asked to name three juniors to the commission that is reviewing Cornell's undergraduate education.

Larry I. Palmer, the vice president for academic programs, made the request and recommended that Assembly Co-Speakers Mark Anderson and Steven Breslow name juniors "so that there will be some continuity over the life" of the Commission on Undergraduate Education, whose work is expected to be completed in December 1990. The commission had its first meeting of the year on Oct. 16.

Anderson, who recently urged the Cornell Trustees' Executive Committee to set a high priority on undergraduate education, expressed satisfaction with Palmer's invitation. "It's definitely a good idea," Anderson said, adding, "Stressing undergraduate education and getting students involved in the planning is a fine step."

Anderson said he did not yet know how they would choose the three, and Palmer made no suggestions, except that the three should be "interested in long-term institutional change, for we see the commission as providing not only some immediate recommendations but also a blueprint for undergraduate education at Cornell in the 1990s."

The Commission on Undergraduate Education will include the deans and at least one faculty member from every college with undergraduate programs, as well as Palmer, Provost Robert Barker and some others. The total number will be 25, including the three students, Palmer said.

The commission has four subcommittees — on curricular innovation, support for teaching, support for learning and institutional organization.

The subcommittees will hand up periodic reports to the full commission, which, as the policy-making body, will decide how to implement recommendations. The commission also will sponsor activities on important issues such as a convocation planned later this year on pre-professional education.

Palmer said the three students to be appointed by the Student Assembly will not sit on subcommittees, but will sit on the full commission and vote on policy decisions and would be asked to attend and participate in events such as the convocation on pre-professional education. He also said that other students later will be asked to join the subcommittee on support for learning.

*— Sam Segal*

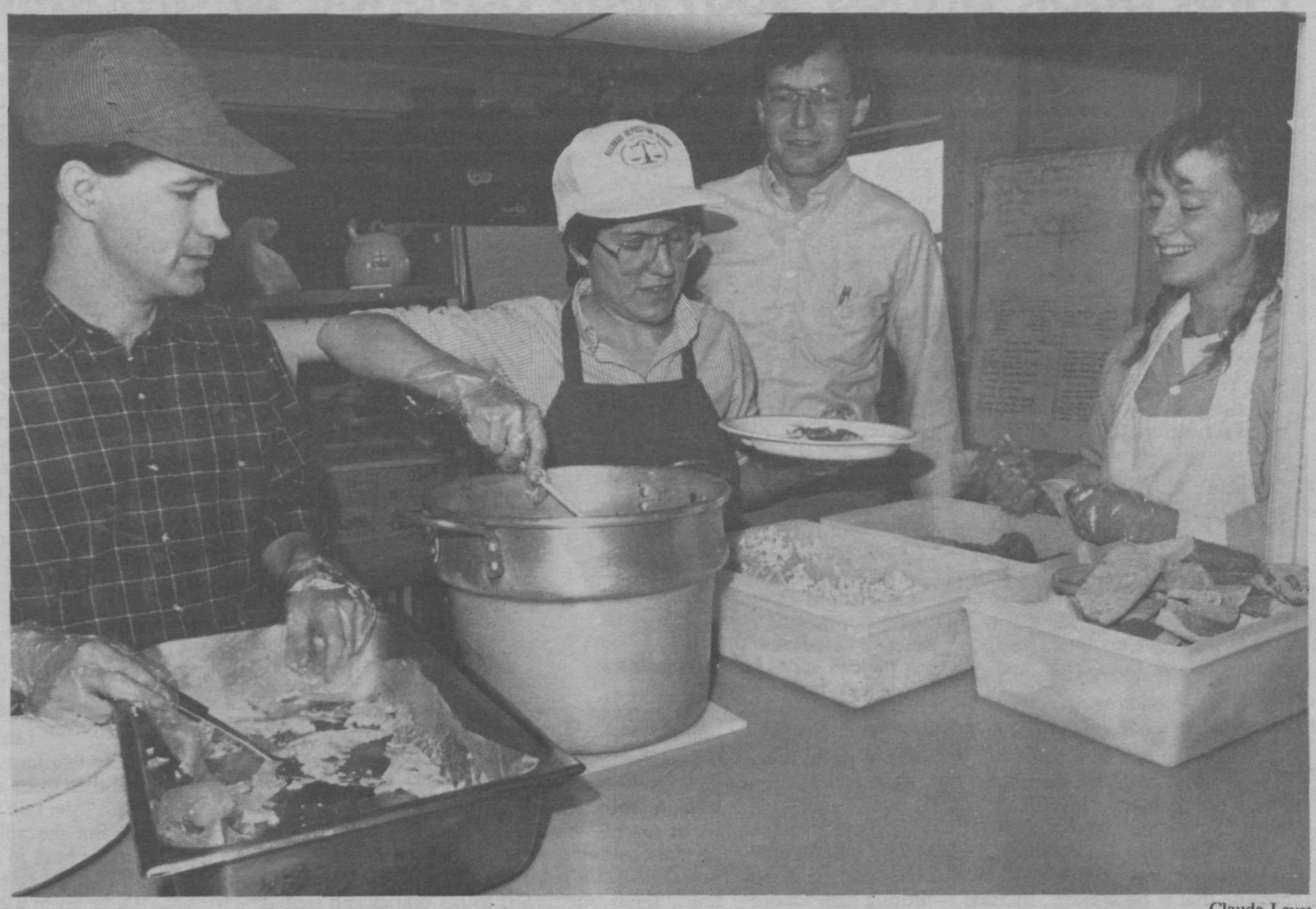
# Hotel School to teach housing, feeding of the homeless

The School of Hotel Administration has been sending its graduates into executive jobs in the most luxurious hotels in the world since 1922. Now it is preparing to train selected students on how best to feed and shelter the estimated 2 million Americans who are homeless.

Students in a pioneering new course, "Housing and Feeding the Homeless," will work in the classroom, in temporary and transitional shelters, and at feeding stations and food banks that distribute surplus, discarded and non-marketable food to social service agencies.

"We believe that the skills we teach for the hospitality industry, which caters to the tastes of the affluent and comfortable, should be made available to people less fortunate than ourselves," said James Eyster, a professor of financial management at the Hotel School who conceived the pioneering course.

Eyster, who specializes in management contracting, will teach the course, along with Ann Hales, a Hotel School lecturer who received a master's degree in psychiatric nursing at the University of Colorado and is a Ph.D. graduate in human services here, and John Ford, chairman of the Human Service Studies Department in Cornell's College of Human Ecology and a specialist in health and social welfare.



Claude Levet

**Professor James Eyster, second from right, looks on as volunteers serve lunches in a community soup kitchen. They are, from left, John Wahlen and Cornell students Nancy Tokarz and Rosie Vanek.**

**Homelessness is a problem again**

"Just as the hotel industry does, these welfare establishments refer to the people they serve as their guests," Hales said. "Obviously their clientele is different from hotel guests, but the problems of feeding and housing are similar."

Ford noted that homelessness is a growing problem in the United States," adding that, "By studying both hotel and human service skills, these students will be able to apply the techniques of the hospitality industry and social services to actual problems out there on the cold streets."

Hales wrote to 260 U.S. colleges and asked if they taught courses on the homeless. Five colleges said they offer social science courses on the homeless, but none of those courses include the housing and feeding skills of the hospitality industry, Eyster said.

The course on the homeless is funded by President Frank H.T. Rhodes' new Fund for Educational Initiatives, which is designed to enhance undergraduate education through new approaches to world problems.

"Students will explore the economic, social and political issues of our country's growing problem of homelessness and the existing and proposed housing and feeding policies and delivery systems that are attempting to deal with homelessness," the course proposal reports.

The course outline defines who the homeless are:

- The traditional single, older male transient.
- Mental patients who have left institutions.
- Runaway youths.
- Families evicted from their homes by mortgage foreclosures.
- Mentally and physically disabled persons with low incomes.
- Abused or battered women.
- Victims of disasters.
- Illegal immigrants.
- Victims of alcoholism, drug abuse and AIDS.

**Course to begin next year**

About 18 seniors and candidates for master's degrees will be selected for the course, which will be offered starting next year. They will be divided into groups of three and sent to housing and feeding projects in central New York State to study their work and to apply their business and managerial skills to problems identified by project directors. The class may do its field work later in Boston and New York City.

"The students will be able to apply hotel and human service skills to actual welfare problems, working out solutions to these problems in real-life situations," Ford said.

In welfare centers, students will carry out cost analyses of food and payrolls, develop quantity recipes, examine overall management policies, help encourage restaurants to provide surplus food and suggest plans for raising support money locally.

**Conducting research for a database**

Information obtained by the students will be placed in a database so that their findings can be used by other professionals in the hospitality industry, Eyster said. "We can produce a wealth of information that hotels, restaurants and social service organizations can use in dealing with the homeless in their communities," he asserted.

In preparing for the new course, Hales collected a mass of statistics, including studies made in New York City by the Manhattan Borough and independent researchers and by the Massachusetts Association for Mental Health. They report:

- About 1 percent of the U.S. population is homeless.
- The average age of the homeless is declining and now stands at 34. "There is sufficient data to dispel the popular opinion that the homeless are solely comprised of bag ladies and bums," she said.
- Between 30 and 40 percent of the homeless suffer problems of alcohol abuse, and between 20 and 40 percent are afflicted with mental illnesses.
- Among New York City's estimated 4,560 families living in emergency housing are 11,000 children under age 18. Fifty percent of these children are under age 5.
- Eighty-six percent of New York City's homeless families are headed by women, and their average age is 27; and 11 percent of the city's homeless families are headed by parents who are under 21 years old. In earlier years, most of the homeless were males.
- Other metropolitan areas with the largest number of homeless include Chicago, Los Angeles and Washington, D.C.

**Shortage of affordable housing**

"In the 1960s, the public's stereotype of the homeless was a derelict alcoholic, usually male," Hales said. "But the number of families and women without homes has been growing since 1968 when the federal government closed some federal programs for mental patients and the homeless, passing the responsibility to communities. But the states lacked funds to pick up the programs adequately."

Eyster took up the cue: "Fifty to 70 percent of low-income housing in urban areas in this country has been eliminated. Temporary shelters have been demolished to make way for high-rise building and to renovate urban centers.

"Local communities are just beginning to address this problem. Los Angeles increased property taxes in urban renewal areas and is channeling the added revenue into new low-cost housing."

Hales added: "New York City was the first city in the United States to mandate by municipal law that housing be provided for the homeless."

But not all communities are willing to face the problem. Four years ago in Westport, Conn., center of one of the most affluent residential areas in the United States, many local citizens opposed establishment of a kitchen and shelter for the homeless and needy.

They did not believe that poor people existed in their neighborhoods of houses worth hundreds of thousands of dollars each. But even the homeless wander through Connecticut's rich Fairfield County, and the shelter and kitchen continue to operate today.

The popularity of the class can be measured by noting that more students than can be accommodated already have registered, Eyster said.

*— Albert E. Kaff*

**Bruns** *Continued from page 1*

associate director — and a personal style that will serve the division well. We are in an era in which understanding of biological sciences is growing rapidly. The discoveries of basic science are increasingly significant to technological advances in medicine and agriculture as well as to our management of the environment.

"These years may be seen later as the Age of Biology," Barker said. "Professor Bruns is well qualified to lead the division as it responds to the challenges it faces in teaching and research. His accomplishments in both areas are outstanding."

During Sharp's tenure as director, the division appointed more than two dozen new faculty members, the provost said, adding, "Under his leadership its strength in all areas has been enhanced and the division is seen as a model for biology programs at other research universities.

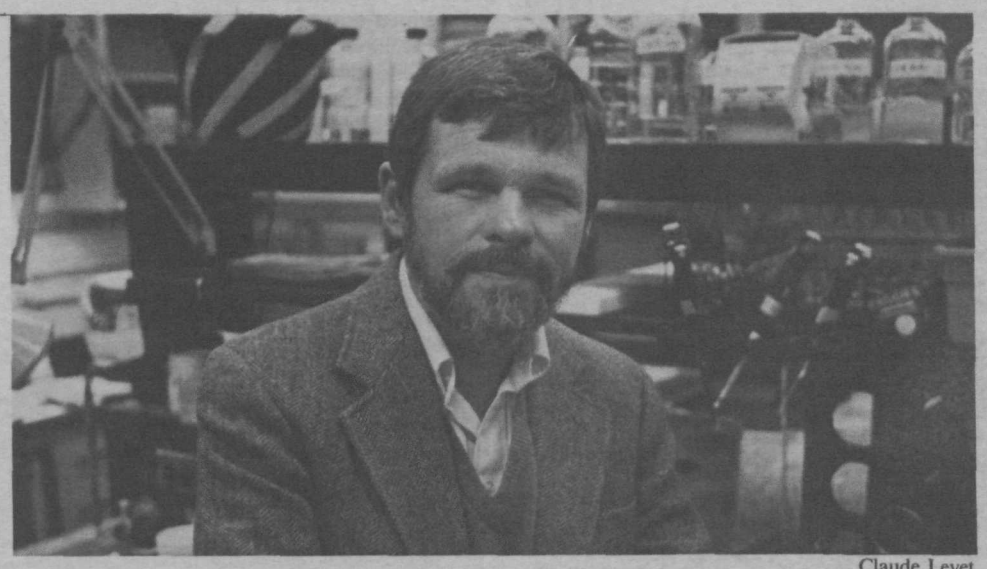
"Sharp's championship of the biological sciences, particularly their role in the general education of undergraduate students, will be missed," Barker continued. "He has served the division with care and distinction, for which we all owe him a great debt of gratitude."

Bruns agreed that Sharp's tenure as director will be viewed as a period of "significant strengthening of biological sciences at Cornell. We must now insure that the exciting group of new faculty has the resources and space to do their work."

Part of the division's space problem will be solved by the move next year to the new biotechnology building, Bruns said, "but I recognize that more must be done." He pointed to the need for specialized facilities to grow genetically engineered plants and the lack of a central campus location for animal collections.

Also on the new director's agenda, he said, will be the reestablishment of the Biology Colloquia, a series of public lectures on topics of interest to all parts of the division by distinguished visiting scientists.

Bruns joined the Cornell faculty in 1969 after earning a bachelor's degree in zoology from Syracuse University in 1964 and a Ph.D. in cell biology from the University of Illinois at Urbana in 1969. He served as chairman of the Section of Genetics and Development from 1980 to 1985, and was named an associate director of the Cornell Biotechnology Program in 1985.



Claude Levet

**Peter J. Bruns in his laboratory**

The geneticist's research focuses on the genetic and reproductive functions of the protozoan, *Tetrahymena pyriformis*. A single-celled microorganism with two nuclei, the *Tetrahymena* serves as a model system for the developmental genetics of higher, multi-celled animals.

*— Roger Segelken*

# First book brings $367,000 advance to graduate student

Professor Michael Blumenthal and student Melanie Thernstrom were fans of each other's writing, but when the student asked the professor to read her senior thesis, he balked.

"I was a bit put off by how long it was," Blumenthal said. But "under a sense of obligation mixed with admiration and curiosity," he and a friend took all 352 pages to Cape Cod one weekend. By Sunday, Blumenthal and friend were excitedly reading the thesis aloud to each other, and he was making plans to call his literary agent.

The result: a $367,500 advance from Pocket Books for Thernstrom's first book, and a contract, now under review, that calls for bonuses if the book is adapted for a movie or television production or if it appears on the New York Times best-seller list.

"I don't know how people go about getting agents," said Thernstrom, 23, a graduate student in creative writing program, who wrote her book as a senior at Harvard University. "In a vague way, I thought maybe I should try to get my thesis published, but every student who writes one thinks that, and it doesn't happen very often.

"I don't know how people go about getting agents," said Thernstrom, 23, a graduate student in the creative writing program, who wrote her book as a senior at Harvard University. "In a vague way, I thought maybe I should try to get my thesis published, but every student who writes one thinks that, and it doesn't happen very often.

**Novelization of a diary**

Thernstrom describes the book, classified as nonfiction, as a novelization of the diaries she kept when a close friend was reported missing and then discovered murdered in 1984 in Oakland, Calif.

The author met Roberta Lee in elementary school, and they became close friends — "I hate to use 'best friend' because that is possessive," she said — during high school in Lexington, Mass. After high school, Lee enrolled at the University of California at Berkeley and Thernstrom at Harvard, where her father is an American historian.

On Nov. 3, 1984, Lee, her boyfriend, Bradley Page, and another person went jogging in an Oakland park, and Lee "disappeared." Thernstrom flew to California, was met at the airport by Lee's boyfriend and spent several days assisting in a search. Six weeks later, Lee was discovered beaten to death and her boyfriend was charged with the murder.

A jury acquitted Page on charges of first- and second-degree murder but remained deadlocked on a manslaughter charge, according to an Oakland journalist familiar with the case. A new trial on the manslaughter charge will be held in Alameda County Superior Court.

Thernstrom, who started keeping a diary in kindergarten, continued recording her reflections throughout the ordeal. When it came time to choose a topic for her senior thesis, she turned to her diaries and picked Roberta Lee.

Melanie Thernstrom — Claude Levet

"I wouldn't have done it if it had been fictional or based on the murder of a woman I didn't know," Thernstrom said. "I wouldn't spend a year of my life thinking about something that unhappy. But this unhappy thing was already something I was thinking about, so I thought I had better create something meaningful out of it.

"I did it because I was committed to her and making her present, to paying tribute."

"Melanie wrote it out of the purest of motives," said Blumenthal, the Briggs-Copeland Assistant Professor of English at Harvard. "It's an incredibly moving tribute to her friend, to friendship, to wanting to know the truth and not being able to. Melanie has a rare combination of wonderful intelligence and a wonderful heart. It was written for no other reason than she had to write it.

"It's so moving, I wanted more people to be able to read it," Blumenthal added, explaining why he passed the manuscript on to his agent. "Now, I almost feel guilty about it at times."

**Publisher retitled the book**

Guilty, he said, because the book's commercial attractiveness probably has less to do with Thernstrom's devotion to telling her friend's story than with the story's subject — a sensational murder. Thernstrom titled her book "Mistakes of Metaphor"; the new title, "The Dead Girl," is the publisher's choice.

"They said my title sounded like a grammar book, or a thesis title: Mistakes of Metaphor, colon, A Study of the Imagery of Virginia Woolf," Thernstrom said, smiling. "Changing it into something people will be interested in is a useful thing to do, I guess."

Writing the book "made me think a lot about inevitability and about how much of what happens to people relates to them and how much is just accident," she added.

When she applied to Cornell's graduate creative writing program, Thernstrom was only one-third of the way through her thesis and was not sure she would complete it before graduation. "Many people turn in part of a novel as their thesis," she said.

The young writer picked Cornell's program because "it seemed very flexible, very small and very warm. It seemed like you would get a lot of personal attention."

**Life probably won't change much**

Thernstrom is looking forward to working with her editor on some rewriting — "we're in sympathy with each other," she said — and to seeing her work published next fall. But she will not nervously await the reviewers' verdicts or bask in her financial windfall.

"It's hard to say in what sense this is real," she said. "I'll be given a check with a lot of zeroes in it, and I'll give it to a financial investor. He'll do something with it and send me statements, and somewhere in the world there will be a bank account number in my name.

"What connection that actually has with my life, I'm not sure. I have a perfectly nice apartment and a roommate, so I'm not going to move.

"The most exciting moment for me was talking to two of my editors and one of them quoted Roberta, and I realized that I was talking to two strangers and they knew my friend Roberta intimately. It's like she's present in their lives and they're interested in her and concerned about her and they know who her friends were and that she had a teddy bear named Marcellus.

"I've had no second thoughts. It was a really good experience writing it."

*— Mark Eyerly*

# Committee to review campus buildings for their historic value

Provost Robert Barker has named a 12-member committee to consider what campus buildings might be marked for preservation because of their "unique historic importance."

The university's Office of Architectural Services will survey all campus buildings and suggest which may warrant preservation, Barker said in a Nov. 18 memo to deans, directors and department heads. Those recommendations will be reviewed by the new group, the Historic Buildings Preservation Committee.

The review would consider buildings' present use and potential for future use to the university or its components in addition to considering physical aspects of buildings, Barker said.

Alain Seznec, Karl A. Kroch University Librarian, will be chairman of the committee.

Barker said the committee would be part of an ongoing effort "to improve all aspects of planning at Cornell," and it will work closely with the recently reconstituted Campus Planning Committee, which will review the new committee's recommendations and then submit its own final suggestions to the central administration. After that review, recommendations will be submitted to the Board of Trustees.

The exact nature of Cornell's own special historic designation has not yet been determined. It is possible that some designated buildings also might be included subsequently in state or national registers of historic buildings.

**Experts to advise on Cornell Heights**

The new committee was named at the same time as John F. Burness, vice president for university relations, announced that Cornell had asked a team of external experts in historic preservation to advise it on a proposal by the City of Ithaca to designate Cornell Heights as an historic district.

The city's Department of Planning and Development had asked the state earlier this year to make the designation for 166 buildings north of Fall Creek Gorge and west of the North Campus — partly in the Village of Cayuga Heights and partly in the City of Ithaca. Cornell owns 26 of the buildings, and another 25 are owned by fraternities and sororities affiliated with Cornell.

Burness announced the hiring of Clarke and Rapuano Inc., a firm that has done extensive work in support of historic preservation, to study the proposal in Cornell's behalf.

While saying that "we all agree it's important to preserve appropriate sites for historic designation," Burness added that, "Before Cornell takes a formal position on the issue, we feel it would be important to consult with an independent group of historic-preservation experts."

He noted that Cornell officials had not been formally notified of the city's recommendation to the state but had read about it in a classified official notice in a local newspaper. Cornell then requested a postponement of a scheduled state hearing so that the university could review the document recommending the change. The postponement was granted by the State Office of Parks, Recreation and Historic Preservation, which is now scheduled to consider the matter on Dec. 3 and 4 in Albany.

Clarke and Rapuano Inc., is a firm of architectural historians, consulting engineers and landscape architects based in New York City. The firm has been involved in developing numerous historic projects, including an historic district in Bethlehem, Pa., in the master plans for Mount Royal Park in Montreal and for Lawrenceville School in New Jersey — both Frederick Law Olmstead creations — and in New York City rehabilitation work for the Holy Trinity Church and the official mayoral residence, Gracie Mansion.

The team reviewing the proposal is led by Peter F. Martecchini, who recently completed the design and supervision of construction for the rehabilitation of the landmark Collegetown bridge at the south end of the campus. Its other members include a trustee of the Metropolitan Museum of Art in New York City, a member of the Preservation League of New York State and a winner of the prestigious Rome Prize in Architecture.

**Committee to consider buildings only**

Members named by Barker to the new committee included Seznec and Burness as well as the following faculty members: Carl F. Gortzig, floriculture and ornamental horticulture; K.C. Parsons, city and regional planning; John P. Shaw, architecture; and Ian Stewart, also of city and regional planning. Administrators and other university officials named were: Gould P. Colman, university archivist; Ezra Cornell, trustee; Harold D. Craft Jr., associate vice president for facilities and business operations; Paul M. Griffen, the new associate vice president for facilities, planning and construction; Malden C. Nesheim, vice president for planning and budgeting; and Walter J. Relihan, university counsel.

Barker noted that, while the new committee would concern itself only with buildings, campus spaces with "historic or high aesthetic value" also will be recommended to the trustees for preservation. This will be done, however, through existing entities, principally the Campus Planning Committee, which will consider recommendations made by Nesheim.

*— Sam Segal*

# Conference on agriculture, arts

About 70 educators from the northeastern United States will meet here Nov. 19 to 21 to discuss methods of increasing the interaction between curricula in agriculture and in the liberal arts.

"Most college students don't receive any background in agricultural issues, and that includes students who enter public affairs and who eventually make decisions that affect agriculture," said Frederick H. Buttel, professor of rural sociology and organizer of the conference.

In the past three years at Cornell, agricultural components have been introduced into half a dozen liberal arts courses, including classes in government, philosophy, anthropology and English, Buttel said. Also, an undergraduate concentration or optional, interdisciplinary minor, in agriculture, food and society was established this year with 24 faculty from the Colleges of Arts and Sciences, of Agriculture and Life Sciences, and of Human Ecology.

The new efforts at Cornell are being underwritten by a three-year, $101,600 grant awarded in 1985 by the W.K. Kellogg Foundation. Cornell is one of two dozen colleges and universities that have received Kellogg grants to promote exchanges between agriculture and the liberal arts.

Co-sponsoring the conference are three other Kellogg grant recipients: Pennsylvania State University, Colgate University and Swarthmore College.

Participants will discuss how they incorporate agricultural material into liberal arts courses and broaden the focus of agricultural programs, Buttel said. Traditionally, agricultural programs have focused on production topics such as animal, poultry and soil science, he added. Today, however, agricultural firms are seeking students well-grounded in the liberal arts and in sciences such as biology to help direct biotechnology research, he said.

Conference topics will include "The Politics of Food Security," "Ethics and Agriculture" and "Conflicts between Agriculture and Conservation."

# Instruction to be offered in 4 more African languages

Researchers and technicians working in Africa often rely on colonial languages such as French, English or Portuguese to communicate, "but that isn't enough," according to Robert L. Harris Jr., director of the Africana Studies and Research Center.

"It is important that experts in agriculture, rural development, nutrition and other fields be familiar with the language and culture of the area in which they work," said David B. Lewis, director of the Institute for African Development.

"People in rural areas, where much development work is taking place, often do not use European languages," Harris added. "One needs to know the local language to work effectively in the field."

The problem is that more than 1,200 languages are spoken in Africa.

**Five languages to be offered**

In 1988, Cornell will take a significant step towards expanding its African studies by providing instruction in five African languages.

The new language program was created by an interdisciplinary team from the Africana Center, the African Development Institute, the Department of Modern Languages and Linguistics and the Department of Philosophy.

For the past 11 years, Adbul Nanji, an instructor in the Africana Studies and Research Center, has taught Swahili, a widely-used regional language spoken in Uganda, Tanzania, Kenya and other areas of East Africa.

Four languages will be added to the curriculum:

- Lingala, spoken in Zaire.
- Shona, spoken in Zimbabwe.
- Ewe, spoken in Ghana and Togo.
- Yoruba, spoken in Nigeria and Benin.

**First African studies summer program**

Swahili, Yoruba and possbily Ewe will be offered in the spring term. All five languages will be taught during the university's first summer program of African studies, June 27 to Aug. 10.

"Language training will be provided in small groups under the supervision of instructors who have been speaking the language from birth and will aim at a thorough grounding in language skills with an emphasis on oral fluency," said George N. Clements, a professor of modern languages and linguistics who is coordinating the language program. "The program will include lectures and readings on cultural information as well as grammar."

Summer students will live in one house near the Africana Center and eat at language tables so that they can practice and absorb the languages outside of class in what Lewis called "total emersion in the language."

The summer program is expected to attract students from a number of universities, he said.

The language program is one of the academic schedules arranged by the Institute for African Development, which Cornell established last year as a long-range research organization in which African and American experts will work together on African problems including hunger, poor schools, agricultural lands wasting away into deserts and other blights on the continent.

The institute has mapped out an agenda of programs to be conducted in Africa and the United States through the year 1994.

"Cornell is uniquely constituted to sponsor developmental programs in Africa," Harris said. "In addition to our African studies, we have at Cornell world-class experts in agriculture, nutrition, engineering, management, education, labor relations and other technical fields that are basic to developing physical and human resources."

**Enhancing library holdings**

To meet the needs of the growing number of African scholars working at Cornell, the library system is expanding its present collection of approximately 100,000 volumes related to Africa, said Herbert Finch, assistant university librarian for development and management.

"During the past five years, we have been adding to our holdings dealing in Islamic Africa," Finch said. "Now we are looking at ways to obtain more periodicals, government bulletins, handbooks, topographic maps and volumes to enhance our literature from all parts of Africa.

Cornell houses one of the nation's most extensive collections of books and pamphlets dealing with slavery and abolition, Finch said. The collection was put together by Samuel J. May, a 19th century abolitionist who lived in Syracuse, N.Y.

In addition to languages, the 1988 summer program will include courses on the history and politics of racism and segregation in South Africa, 19th century African resistance movements and the continent's cultural heritage and social changes. Ali Mazrui's public television series entitled "The Africans," will be discussed. Mazrui is a visiting faculty scholar.

Administering the summer program will be Anthony A. Appiah, an associate professor in the Department of Philosophy, who came here from Yale University, where he taught philosophy and African studies.

The African Development Institute has established collaborative relationships with a number of African universities in nations including Kenya, Tanzania, Nigeria, Ghana, Uganda, Somalia and Mozambique.

These relations will involve joint studies in environmental problems, mathematics, vegetable crops, planning, communication and media services, population, social problems, food science, AIDS, and development of arid and semi-arid lands, Lewis said.

*— Albert E. Kaff*

# Holes in time plug gaps in architectural chronology

The students of Peter I. Kuniholm drill holes in the ancient churches and temples of the eastern Mediterranean — and get away with it.

Kuniholm collects pencil-sized samples of wood from structures in Greece, Turkey, Cyprus, Yugoslavia and Italy for use in dendrochronology. He says the science of determining the age of wood by counting tree rings is closer than ever to establishing a 30-century chronology — from 2800 B.C. to 200 A.D. — in one of the world's most interesting architectural regions.

**May surpass carbon-14 dating**

Religious officials allow Kuniholm, an archaeologist, to take wood samples from their sacred buildings because dendrochronology can sometimes pinpoint the date of construction exactly to the year the timber was cut. Under optimum conditions, when bark is found on the timber, dendrochronology is more precise than other methods of archaeological dating such as carbon-14 dating, which has a 5 percent margin of error.

"With a 5 percent error, any date 5,000 years ago would have a margin of error of 250 years, and that makes for very sloppy history," Kuniholm said. "Imagine having to say Columbus discovered America sometime between 1242 and 1742."

A cross-section of a tree is a permanent record of each year's growth as influenced by its environment, the dendrochronologist explained. Prolonged periods of drought produce thin annual tree rings, while unusually warm and wet years result in more growth and thicker rings.

Viewed together, the tree rings form a distinctive pattern that is duplicated in trees living at the same time in geographic regions with the same climate. A tree-ring sequence from oak growing today in western Turkey matches the sequence from oak growing in Italy. Thus, tree-ring sequences from oak grown in the 7th Century B.C. in western Turkey ought to match sequences in oak from the same period in Italy, Kuniholm said.

"Dendrochronology is an exercise in pattern recognition," Kuniholm said, drawing an analogy to music. "Flick on the radio for two seconds and you don't have to be a genius to tell this is Mozart and something else is the Beatles."

**Curator of classical antiquities**

Here, Kuniholm is the curator of classical antiquities and an adjunct associate professor of archaeology and classics. He has a computer-catalogued collection of more than 4 million tree-ring measurements. Since the dendrochronology laboratory here opened in 1976, some 270 students have spent more than 40,500 hours polishing samples with fine sandpaper, making measurements and analyzing data.

"The students' pay is minimal, but the work is an enjoyable alternative to washing dishes," Kuniholm commented.

Claude Levet

**Dendrochronology lab assistant Hope Kuniholm polishes a wood sample before recording its tree-ring pattern. The Dendrochronology Laboratory in Goldwin Smith Hall contains more than 4 million such measurements, which help determine dates of architectural treasures in the eastern Mediterranean.**

In countries around the Aegean Sea, Kuniholm is the American in the Volkswagen microbus crammed with Cornell students and covered with ladders. He secures permission for his wood sampling from those in charge — local archaeologists, building restorers, abbots, parish priests or imams — then goes to work with a hollow-core drill.

Kuniholm and his traveling team of dendrochronologists have made tree-ring measurements from mosques and monasteries, temples and water mills, graves and the wood on which icons are painted.

Other sources of tree-ring data are centuries-old living trees as well as charcoal from ancient fires. Dendrochronologists even turn earthquakes to their advantage when a masonry structure's wooden framework is suddenly exposed.

Kuniholm looks for tree species with distinct annual cycles of growth and dormancy. Oaks, pines, cedars, firs and junipers are the best for dendrochronology. Trees in the tropics, where growth continues year round, are useless for dendrochronology. So, generally, are trees grown along rivers, where the supply of water is constant from one year to the next.

The ability of trees to record temperature and rainfall has led to the new science of dendroclimatology, Kuniholm noted. "Global meteorological records are good back to about 1851, but before that they are very sketchy. We have tree rings in some parts of the world going back 8,000 years."

**Lean years in 5th century Greece**

Studying tree rings at the Parthenon enabled Kuniholm to chronicle years of severe drought before that temple was built in Athens. He found a series of extremely thin rings in wooden dowels that were installed, after 448 B.C., to hold together sections of the Parthenon's columns. "Obviously, there were some pretty lean years in Greece," he said.

The Parthenon is one national treasure where the Cornell archaeologist is not allowed to remove samples; measurements are made on the spot with portable instruments. Caretakers of most other sites in the eastern Mediterranean are able to be more obliging. Their reward is knowledge of precisely when their building was started and when subsequent renovations were made.

The typical visitors to the historic sites never know dendrochronologists have been at work.

"When we remove the wood, we put in a plug, then glue it and paint over the end," Kuniholm said. "Then we call the priest to see if he can find where we took our sample. At the very worst, it looks like a knothole."

Kuniholm's chief collaborator in the Aegean Dendrochronology Project is Cecil L. Striker, a professor of art history at the University of Pennsylvania.

The work is supported by grants from the National Science Foundation, private foundations and the National Endowment for the Humanities, and by matching gifts from hundreds of individuals.

Last year Kuniholm raised more than $100,000 in gifts, in amounts ranging from $5 to $5,000, from patrons who responded to his "passing the hat" on the lecture circuit and to pleas for support in a chatty but informative newsletter.
newsletter recipients send shares of stock and even baby pictures. One patron wrote the Cornell dendrochronologist to suggest, "How about dressing up as a woodpecker and asking for donations at malls and football games?"

*— Roger Segelken*

# 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

### Folkdancers

The Cornell community and the general public are welcome to join in folkdancing. Admission is free, unless stated otherwise.

Instruction and requests, Nov. 21, 7:30–10:30 p.m., North Room, Willard Straight Hall. A planning meeting will be held at 6:30 p.m.

### Israeli Folkdancing

Nov. 19, 8:30 p.m., Edwards Room, Anabel Taylor Hall. The group will not meet on Nov. 26, Thanksgiving Day.

### Swing and Jitterbug

Dancing every Wednesday evening from 8:30–10 p.m., Edwards Room, Anabel Taylor Hall. Instructor will be present. Partners are not needed.

## EXHIBITS

### Hartell Gallery

**The Capitol in Albany**, by Judith Turner, William Clift, Stephen Shore and Dan Weaks. Four very different artistic approaches to photographing architecture, on display through Nov. 20, 8 a.m. to 5 p.m., in the John Hartell Gallery, Sibley Dome.

### Ives Hall Exhibition Cases

**The Specter of Child Labor**, Ives Hall classroom wing exhibition cases through December.

### 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.

**Friedel Dzubas: Works of the '70s and '80s**: An exhibition of more than 20 of Dzubas' large paintings and 50 sketches made since 1972, including the artist's "color-block" paintings. Dzubas achieved recognition as an abstract expressionist and taught as a visiting artist/critic at Cornell from 1970 to 1973. Through Dec. 20.

**The Utility of Splendor: The Architecture of Balthasar Neumann**: Drawings, models prepared by architecture students, and explanatory text, celebrating one of the great architects of the 18th century. Through Dec. 20.

**Lessons in Printmaking**: Works by artists from Europe, Asia and the United States illustrate the range of printmaking techniques and effects. The exhibition includes Pablo Picasso's "Le Peintre a la Palette," 1963. It also explores the printing process from paper selection to proper matting techniques. Through Dec. 20.

**Highlights of the Permanent Collection**: A selection of recent acquisitions and works often requested by visitors, through December.

**Children's Workshop**: "Head, Heart and Hands: The Tradition of Japanese Gift Giving " will explore gift-giving traditions in the Japanese culture, Dec. 5 and Dec. 12. Children ages 7–9 will meet from 10 a.m. to noon, followed by a class for ages 10–12, 1–3 p.m. A $10 fee will be charged. For more information and to register call the education department at 255-6464.

### Olin Library

**Wordsworth and the Age of English Romanticism**: First editions of Wordsworth's books and broadsides, manuscripts and letters, books and fine bindings from his library and handsome engravings of the English Lake District. Weekdays 8 a.m. to noon and 1–5 p.m. Through Dec. 31.

### Willard Straight Art Gallery

Potshop and darkroom exhibit and sale, Dec. 1–3, 11 a.m.–8 p.m., Dec. 4, 11 a.m.–6 p.m.

## FILMS

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

### Thursday 11/19

"German Dreams," by German New Wave filmmaker Lienhard Wawrzyn, who will discuss the film after the showing, 4:30 p.m., L-04 Uris. Co-sponsored by the Departments of Theatre Arts and German.

"Four Holy Men: Renunciation in Hindu Society," documentary, 5 p.m., 310 Uris Library.

"A Woman Without Love" (1951), directed by Luis Bunuel, 8 p.m., Uris. Sponsored by the Arts College Pentangle Program.

"The Two Worlds of Angelita" (1983), directed by Jane Morrison, with Marien Perez Riera, Rosalba Rolon and Angel Domenech Soto, 8 p.m., Anabel Taylor.

### Friday, 11/20

"Black Widow" (1987), directed by Bob Rafelson, with Debra Winger, Theresa Russell and Nicol Williamson, 7 p.m., Uris.*

"Street of Crocodiles" (1986) and other films by The Brothers Quay, directed by Timothy and Stephen Quay, 9:30 p.m., Uris.*

"The Cure in Orange" (1987), with The Cure, midnight, Uris.*

### Saturday, 11/21

"Viridiana" (1961), directed by Luis Bunuel, with Silvia Pinal and Francisco Rabal, 2 p.m., Johnson Museum. Cinema and Museum members and their guests only.

"Black Widow," 9:30 p.m., Uris.*

"Street of Crocodiles and other films by The Quay Brothers," 7:30 p.m., Uris.*

"The Cure in Orange," midnight, Uris.*

"Making Mr. Right" (1987), directed by Susan Seidelman, with John Malkovich, Ann Magnuson and Glenne Headly, 7:30 p.m. and 9:45 p.m., Anabel Taylor.*

### Sunday, 11/22

Whitney Biennial Film Exhibition: Program Seven: "Cinderella" (1986), by Ericka Beckman; "The Visit" (1986), by Leandro Katz; "The Dream Screen" (1986), by Stephanie Beroes. Co-sponsored by CCPA, 2 p.m., Johnson Museum.

"20,000 Leagues Under the Sea" (1954), directed by Richard Fleischer, with Kirk Douglas, James Mason and Peter Lorre, 2 p.m., Uris. Co-sponsored with Ithaca Youth Bureau.*

"Remember Me: A Film about Children," Nov. 22, 4:30 p.m., LO-4 Uris Library. Sponsored by the Cornell Committee for UNICEF.

"Black Widow," 8 p.m., Uris.*

### Monday, 11/23

"Making Mr. Right," 8 p.m., Uris.*

### Tuesday, 11/24

"Miracle of Bali: Night," Southeast Asia Film Series, 4:30 p.m., 310 Uris Library.

"Partisans of Vilna" (1986), directed by Josh Waletzky, documentary, 8 p.m., Uris.*

### Sunday, 11/29

Whitney Biennial Film Exhibition: Program Eight: "Naked Spaces: Living is Round" (1985), Trinh T. Minh-ha. Co-sponsored by CCPA, 2 p.m., Johnson Museum.

"Alice in Wonderland" (1952), directed by Clyde Geronimi, with Kathryn Beaumont, Ed Wynn and Sterling Holloway, 2 p.m., Uris. Co-sponsored by the Ithaca Youth Bureau.*

"Waiting for the Moon" (1987), directed by Jill Godmilow, with Linda Hunt, Linda Basset and Bernadette Lafont, 8 p.m., Uris.*

### Monday, 11/30

"Salvation!" (1987), directed by Beth B., with Stephen McHattie, Exene Cervenka and Rockets Redglare, 8 p.m., Uris.*

### Tuesday, 12/1

"Jero Tapakan: A Balinese Trance Seance" (1981) and "Stories in the Life of a Balinese Healer" (1983), sponsored by the Southeast Asia Film Series, 12:20 p.m., 310 Uris Library.

"Toni" (1934), directed by Jean Renoir, with Charles Blavette and Celia Montalvan. Shown with "Vie Est A Nous, La" (1936), directed by Jean Renoir, with Julien Bertheau and Madeleine Sologne, 8 p.m., Uris.*

"International Sweethearts of Rhythm," 7:30 p.m., Hollis E. Auditorium, Goldwin Smith. Sponsored by the Women's Studies Program.

### Wednesday, 12/2

"Spartacus" (1960), directed by Stanley Kubrick, with Kirk Douglas, Jean Simmons and Charles Laughton, 8 p.m., Uris.*

### Thursday, 12/3

"Musical Tradition in Banaras," documentary, sponsored by the South Asia Program, 5 p.m., 310 Uris Library.

## LECTURES

### Agriculture and Liberal Arts Program

"Conflicts Between Agriculture and Conservation: What is the Role of the Ecologist?" C. Ronald Carroll, associate director, Natural Reserve System, University of California, Nov. 19, 7:30 p.m., 700 Clark Hall.

### Biology & Society Program

"Frontiers in Agriculture and the Liberal Arts," the W.K. Kellogg Foundation Pre-Workshop Lectures. All lectures will be held Nov. 19, in 700 Clark Hall. For details, call 255-6042.

"The Great Transformation of the Rural Environment," Donald Worster, American Studies, Brandeis University, 1 p.m.

"The Politics of Food Security," Raymond Hopkins, Political Science, Swarthmore College, 2:30 p.m.

"Strengthening Linkages Between Agriculture and the Liberal Arts: An Agricultural Science Perspective," James Vorst, Agronomy, Purdue University, and "Teaching Ethics and Agriculture: A Liberal Arts Perspective," Mark Sagoff, Philosophy and Social Policy, University of Maryland, 4–5:45 p.m.

"Conflicts Between Agriculture and Conservation: What is the Role of the Ecologist?" C. Ronald Carroll, associate director, Natural Reserve System, University of California, Berkeley, 7:30–9 p.m.

### China-Japan Program

"Job Searching in Urban China: Do They Use Social Resources?" Nan Lin, Dept. of Sociology, SUNY Albany, Nov. 30, 12:20 p.m., 302 Uris Hall.

### Committee on Evolutionary Biology

"Muller and Dobzhansky - A Tale of Two Personalities: The Great Controversy Over Population Variability and Radiation Effect," James F. Crow, Dept. of Genetics, University of Wisconsin, Dec. 2, 8 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

**"Partisans of Vilna," a documentary film about Jewi... the listings for details.**

### Comparative Literature

"Postfeminist Theory: Feminist Postmodernism in the United States," Toril Moi, director, Centre for Feminist Research, University of Bergen, Norway, Nov. 20, 4:30 p.m., Guerlac Room, A.D. White House. Co-sponsored by the Departments of Romance Studies and English, Women's Studies and Society for the Humanities.

### Hillel

"The Pursuit of Nazis in America," Neal Sher, director, Office of Special Investigations, U.S. Dept. of Justice, Nov. 22, 8 p.m., Founders Room, Anabel Taylor Hall.

### International Legal Studies

"Submarine, Archeology, Treasure Hunting - A Legal View," Alexander Korphals Alte, law, Utrecht, Netherlands, Nov. 20, 3 p.m., Tower Living Room, 7th Floor, Myron Taylor Hall.

### Materials Science and Engineering

"Deuterium NMR of Polymers," E. Samulski, University of Connecticut, Nov. 19, 4:30 p.m., 140 Bard Hall.

### Rose Golden Lecture Series

"Access, Fairness and the Future of the Media," Nicholas Johnson, visiting professor, University of Iowa, College of Law, Nov. 30, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

### Society for the Humanities

"New Perspectives on Race, Gender and Science," an a day-long workshop, Nov. 22, Guerlac Room, A.D. White House. For more information call 255-4086.

"The Politics of Donne's Silences," Mary Ann Radzinowicz, English, The Society for the Humanities Invitational Lecture, Dec. 3, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

### Southeast Asia Program

"The Recording Industry in Indonesia from 1905," Philip Yampolsky, visiting lecturer, Dept. of Music, Nov. 19, 12:20 p.m., 102 West Ave. Ext.

"Points of Departure: Sources for the Study of the Tagalog Region in the 17th Century," Jose Cruz, SEAP grad student, Dept. of History, Dec. 3, 12:20 p.m., 102 West Ave. Ext.

### Theoretical and Applied Mechanics

"Static Bifurcations from Columnar Vortices," Sidney Leibovich, Dept. of Mechanical and Aerospace Engineering, Dec. 2, 4:30 p.m., 205 Thurston Hall.

### University Lectures

"Philosophical and Political Consequences of Modern Science: Meaning of the Quantum Theory; Ideas of the Philosophy of Science; Political and Moral Consequences of Science," Carl Friedrich von Weizsacker, Physics and Philosophy, Messenger Lecture, University of Munich and Hamburg, Nov. 20, 4:30 p.m., Hollis Cornell Auditorium.

resistance to the Nazis in Lithuania, will be shown Nov. 24 by Cornell Cinema. Check

"The Ideology of the Aesthetic," Terry Eagleton, Wadham College, University of Oxford, Nov. 19, 4:30 p.m., Lecture Room D, Goldwin Smith Hall.

# MUSIC

**Bound for Glory**
Peggy Haine and the Lowdown Alligator Jass Band, traditional jazz, Nov. 22. Records from the studio, Nov. 29. Bound for Glory presents three live sets, at 8:30, 9:30 and 10:30 p.m., every Sunday at the Commons Coffeehouse, Anabel Taylor Hall. Admission is free. The show can be heard live from 8 to 11 p.m. on WVBR-FM93.

**Coffeehouse Performers**
Andrea Looney & Ed Mondress, guitar and song, Nov. 19, 8 p.m., Memorial Room, Willard Straight Hall.

**Cornell Folk Song Club**
Utah Phillips, folk singer and reformed hobo, Nov. 20, 8:30 p.m., Anabel Taylor Auditorium. Advanced tickets are $5, available at the Commons Coffeehouse, Rebop Records and Borealis Books.

**Department of Music**
Student solo-recital: Mee-Jin Woo, piano, will perform works by Johann Sebastian Bach, Ludwig van Beethoven and Sergei Prokofiev, Nov. 19, 8:15 p.m., Barnes Hall auditorium.

Jazz Ensemble, Nov. 20, 8:15 p.m., Barnes Hall auditorium.

Cornell Symphony Orchestra, with John Hsu conducting, will perform "Rosamunde" by Schubert, "Romeo and Juliet" by Tchaikovsky and Symphony No. 1 in B-flat Major, Op. 38 ("Spring") by Schumann, Nov. 21, 8:15 p.m., Bailey Hall.

Graduate students in composition will present a concert of chamber and electronic music, with works by David Brackett, Javier de la Torre, James Grant, Christopher Hopkins, Christopher Kaufman, Stephen Taylor and Tyler White, Nov. 22, 4 p.m., Barnes Hall auditorium.

Jonathan Shames' piano students will perform pieces by Robert Schumann, Sergei Prokofiev, Mozart and others, Nov. 23, 8:15 p.m., Barnes Hall auditorium

# RELIGION

**Sage Chapel**
Charles Tompkins, Bethel Grove Baptist Church, Ithaca, will be the speaker at the Sage Chapel interfaith services Nov. 22 beginning at 11 a.m. There will be no service Nov. 29 due to Thanksgiving recess.

**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.

**Christian Science**
Testimony Meeting: Every Thursday, 7 p.m., 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 Avenue. Call 272-5810.

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

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

**Korean Church**
Every Sunday, 2:30 p.m. Anabel Taylor Hall.

**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.

Baptist Campus Ministry (SBC): Every Tuesday, 7:30 p.m., Anabel Taylor Chapel.

**Zen Buddhism**
Zazen meditation: Tuesdays at 7 p.m., Edwards Room, Anabel Taylor Hall. Every Thursday 5:10 p.m., Anabel Taylor Chapel. For more information or to arrange beginner's instruction, call Ian Dobson at 277-4364.

# SEMINARS

**Agricultural Engineering**
"Is Darcy Still Alive?," Tammo Steenhuis, Dept. of Ag. Engineering, Nov. 23, 3 p.m., 400 Riley-Robb.

"Control of Greenhouse Hot-Water Heating System Using a Commodore 64," Suzanne Novak, grad student, Dept. of Ag. Engineering, Nov. 30, 4 p.m., 400 Riley-Robb.

**Agronomy**
"Nickel: An Essential Element for All Higher Plants," Patrick Brown, Dept. of Agronomy, Nov. 24, 4 p.m., 135 Emerson Hall.

"The Effect of Acetanilide Herbicides on Early Growth and Development in Corn and Cabbage," Robin Bellinder, Dept. of Vegetable Crops, Dec. 1, 4 p.m., 135 Emerson Hall.

**Astronomy and Space Sciences**
"The Supernova," Arieh Konigl, University of Chicago, Nov. 19, 4:30 p.m., Space Sciences.

**Biochemistry**
Title to be announced, Donald Crowthers, Dept. of Chemistry, Yale University, Nov. 20, 4:30 p.m., 204 Stocking Hall.

**Boyce Thompson Institute**
"Fatty Acids for the Use of Man," Zohara Yaniv, Diabetes Branch, Dept. of Health and Human Services, National Institute of Health, Dec. 2, 3:15 p.m., BTI Auditorium.

**Center for International Studies**
"Power and Change: Political Institutions in West Germany (1969-72 and 1982-83), Arnulf Baring, Free University, Berlin; John F. Kennedy Institute, Nov. 19, 4:30 p.m., 153 Uris Hall.

**Chemistry**
"Icosahedral Quasicrystals as Twins of Complex Cubic Crystal," Linus C. Pauling, Linus C. Pauling Institute of Science and Medicine, Nov. 19, Baker Lecture Series, 11:15 a.m., 200 Baker Laboratory.

"The Synthesis, Isolation, and Characterization of Molecular Particles of Semiconductor Solids," Michael Steigerwold, AT&T Bell Laboratories, Nov. 19, 4:40 p.m., 119 Baker Laboratory.

"Everything You've Always Wanted to Know About Patents, But Were Afraid to Ask," H. Walter Haeussler, director, Patents & Licensing, Nov. 30, 4:40 p.m., 119 Baker Laboratory.

"X-Rays as Probes of Electrochemical Interfaces," Hector D. Abruna, Dec. 3, 4:40 p.m., 119 Baker Laboratory.

**Chemical Engineering**
"New Approaches in Protein Purification," Martin Yarmush, Dept. of Chemical Engineering, MIT, Dec. 1, 4:15 p.m., 145 Olin Hall.

Title to be announced, Martin Yarmush, Dept. of Chemical Engineering, MIT, Dec. 2, 4:15, 145 Olin Hall.

**Computer Services**
"A Statistical Mapping Program," Paulo C.P. Carvalho, Operations Research and Industrial Engineering, visiting professor, Institute for Pure and Applied Mathematics, Rio de Janeiro, Brazil, Nov. 19, 12:20 p.m., 100 Caldwell Hall.

**Ecology and Systematics**
"The Distribution of a Perennial Bunchgrass: Biotic or Abiotic Control," Kirk Moloney, Ecology & Systematics, Dec. 2, 4:30 p.m., Morison Seminar Room, A106 Corson/Mudd.

**Environmental Research**
"The Conservation Reserve Program: The Effects of Agriculture Policy on Fish and Wildlife Resources," Barbara Knuth, Dept. of Natural Resources, brown-bag lunch, Dec. 1, 12 noon, 201 Hollister Hall.

**Floriculture and Ornamental Horticulture**
"Can-Am International Garden Festival for Buffalo, Peter Trowbridge, program coordinator, Landscape Architecture, Dec. 3, 12:15 p.m., 404 Plant Science.

**Food Science**
"Validation of an Extrinsic Tracer Method for Determining Calcium Bioavailability from Dairy Products," Karen Sowizral, Dept. of Food Science, Nov. 24, 4:30 p.m., 204 Stocking Hall.

"Effects of Calcium Supplements on Iron Availability," Tara A. Prather, Dept. of Food Science, Dec. 1, 4:30 p.m., 204 Stocking Hall.

**Genetics and Development**
"Genetic Relationship of Canine X-Linked Muscular Dystrophy in Man," Barry J. Cooper, Cornell Vet School, Nov. 23, 4 p.m., 135 Emerson Hall.

"GAL-1-GAL1-10 Divergent Promoter Region of Saccharomyces Cerevisiae Contains Negative Control to Functionally Separate and Possibly Overlapping Upstream Activating Sequences," Bob West, SUNY Health & Science Center, Syracuse, Nov. 30, 4 p.m., 135 Emerson Hall.

"Evolutionary Advantages and Disadvantages of Sexual Reproduction," James F. Crow, University of Wisconsin, Dec. 3, 3 p.m., 135 Emerson Hall.

**Human Development and Family Studies**
"Competence Motivation," Susan Harter, University of Denver, Nov. 23, 4 p.m., 121 Faculty Commons, Martha Van Rensselaer.

Title to be announced, Elizabeth Loftus, University of Washington, Dec. 3, 3 p.m., 166 Auditorium, Martha Van Rensselaer.

**Immunology**
"T-Cell Receptor Genes - How Many Do We Need?" Tak W. Mak, Ontario Cancer Institute, Dept. of Medical Biophysics, University of Toronto, Nov. 20, 12:15 p.m., C-207 Schurman Hall.

**International Nutrition**
"The Economics of Education: Applications to the Field of Nutrition," David Monk, Dept. of Education, Nov. 19, 12:20 p.m., N-207 Martha Van Rensselaer.

**International Population Program**
"Changing Household Structure in the U.S.: Living Alone and Cohabitation," Linda Jacobsen, Dept. of Consumer Economics and Housing, Nov. 20, 12:15 p.m., 360 Uris Hall.

**Johnson Graduate School of Management**
Development Banking Forum, featuring Uma Lele of the World Bank, Mary Houghton of Grameen Bank, Bangladesh, Walden Bello of Food First and Rafael Samper of Equator Bank, Nov. 20, 2-6 p.m., Bache auditorium, Malott Hall.

**Jugatae**
"Habitat Foraging by the Aphid Parasitoid Diaeretiella Rapae (Hymenoptera: Aphidiidae): Finding, Examining and Leaving Plants," Bill Sheehan, Dept. of Entomology, Nov. 23, 4 p.m., A106 Corson/Mudd.

**Mechanical and Aerospace Engineering**
"An Experimental Study of Turbulent Flames Near Extinction," Assaad Masri, University of Sydney, Dec. 1, 4:30 p.m., 282 Grumman Hall.

**Microbiology**
"Cell Signaling and the Metabolism of Membrane Lipids in Bacterial Systems," Eugene Kennedy, Dept. of Biological Chemistry, Harvard University, Nov. 19, 4:30 p.m., 124 Stocking Hall.

Title to be announced, Robert Landick, Dept. of Biology, Washington University, Dec. 3, 4:30 p.m., 124 Stocking Hall.

**Neurobiology and Behavior**
"The Feelings of Finches: What They Tell Us About Sexual Selection," Nancy T. Burley, Dept. of Ecology, Ethology and Evolution, University of Illinois, Champaign, Urbana, Nov. 19, 12:30 p.m., Morison Room, Corson/Mudd Hall.

"Cable Theory," Stephen Baumann, Environmental Protection Agency, N.C., Nov. 25, 12:30 p.m., Morison Room, Corson/Mudd Hall.

Continued on page 11

# BTI names its first McNew Scientist

Richard C. Staples has been named the first George L. McNew Scientist at the Boyce Thompson Institute for Plant Research. The position was created in honor of the man who served as the institute's managing director for a quarter of a century.

Boyce Thompson President Ralph W.F. Hardy announced Staples' appointment at a special ceremony at the institute on Nov. 12. Among guests on hand to celebrate the occasion were McNew; Paul Hoffman, chairman of the BTI Board of Directors; and Roy A. Young, who served as BTI managing director from 1980 to 1986.

To begin his tenure as the McNew Scientist, Staples delivered a lecture discussing how a bean rust fungus develops special infection structures before invading a crop plant. Staples is an authority on rust fungi, a large class of fungal plant parasites that attack a wide variety of crops, including bean, wheat and coffee plants.

Staples joined BTI in 1952 as a fellow in biochemistry. He later served as a plant biochemist and director of the institute's Physiology of Parasitism Program from 1966 to 1976. He now serves as director of the Plant Stress Program, the position he has held since 1977. In addition, he is an adjunct professor of plant pathology in the College of Agriculture and Life Sciences.

He is author or co-author of 102 papers, primarily on the physiology of rust fungi and the effects of salinity on plants. His writings include four books: "Stress Physiology in Crop Plants" (published in 1979), "Linking Research to Crop Production" (1980), "Plant Disease Control: Resistance and Susceptibility" (1981) and "Salinity Tolerance in Plants: Strategies for Crop Improvement" (1984).

In 1980, Staples received the Senior U.S. Scientist Award of the Alexander von Humboldt Foundation, which enabled him to conduct research on the physiology of rust fungi in West Germany in 1981–1982. While on his sabbatical leave in 1977–1978, Staples served as a policy analyst for the Office of Science and Technology Policy in the Executive Office of the President. He is a fellow of the American Phytopathological Society.

Staples was born in Hinsdale, Ill. He earned his bachelor of science degree from Colorado State University and master's and doctoral degrees from Columbia University.

McNew served as director of the Boyce Thompson Institute for 25 years until his retirement in 1974; he now lives in Las Cruces, N.M. Before becoming the director of the institute in 1949, he held positions with the Iowa Agricultural Experiment Station, the Rockefeller Institute, the New York State Agricultural Experiment Station at Geneva, U.S. Rubber Co. and Iowa State University, where he was a professor and head of the Botany Department.

A native of Alamogordo, N.M., McNew received a bachelor of science and an honorary doctoral degree from New Mexico State University and a master's and a doctoral degrees from Iowa State University, which in 1957 honored him with an Alumni Achievement Award. — *Yong H. Kim*

**Richard C. Staples**

# Salinger: Americans fail to understand European concerns

Pierre Salinger assailed American policy makers for basing their actions on misperceptions of the interests of our allies when he spoke in Bailey Hall on Nov. 12 as the Henry E. and Nancy Horton Bartels World Affairs Fellow.

As a prime case in point, Salinger cited President Reagan's near-agreement with Soviet leader Mikhail Gorbachev at their meeting in Reykjavik, Iceland. The European impression of that event is that "Reykjavik is a much greater Reagan disaster than Irangate," he said, explaining, "The fact that the president of the United States would come so close to a gigantic arms agreement without having consulted for one minute with his European allies terrified European leaders.

"Since the end of World War II, the defense of Europe has depended on the United States," said Salinger, a former White House press secretary who is now the chief foreign correspondent for ABC News and who recently returned to the United States after nearly two decades of covering European news from Paris. "It is our military power that is at the center of the Atlantic Alliance, which has always depended on the perception that the United States is ready to defend Europe — and there is a growing perception in Europe today that the United States is not ready to defend Europe."

**Pershing missiles were Europe's idea**

If efforts to reduce the federal deficit give rise to proposals that U.S. troops be brought home from the European continent, "Taking out those troops would be devastating for the alliance: In my opinion it would be the end of the Atlantic Alliance," Salinger said. He added that such a withdrawal would not save money, because the cost of keeping U.S. forces in Europe is being subsidized by West Germany and others.

**". . . Reykjavik is a much greater Reagan disaster than Irangate."**

**— Pierre Salinger**

Salinger pointed out that, although many Americans and Europeans believe that the U.S. imposed the deployment of Pershing and cruise missiles on Europe five years ago, "the idea of deploying those missiles in Europe was a European idea" to counter the emplacement of Soviet missiles of similar range.

Despite mass demonstrations against the missiles in several European countries, voters elected governments supporting the missile deployment in the three affected European countries, showing public support for the policy. And unlike West Germany, where "there are more nuclear missiles per square mile than any other country in the world," there were no demonstrations in France. There "the finger on the trigger is that of a man the French elected themselves as their president."

**Zero option was political ploy**

Salinger, who left for Moscow after his Cornell appearance for stories previewing the Dec. 7 summit conference, noted that "we're about to sign an agreement to take the missiles out." He recalled that the proposal to eliminate the missiles on both sides did not, as widely believed, come initially from Gorbachev.

"The zero option was proposed by Ronald Reagan and his secretary of state, Alexander Haig, soon after they came to power," Salinger recalled. But he continued, "Let's be honest about it: It was clearly a political ploy at that time. They wanted to calm anti-nuclear movements" and they were absolutely confident the Soviets would never accept the proposal. European leaders shared the American view.

"The fact that Reagan came so close to an agreement at Reykjavik sent a message into the brain of a not-unintelligent man named Mikhail Gorbachev," Salinger said. "He understood that there was an interest in arriving at a nuclear settlement, and therefore he put on the table his acceptance of the zero option. And the trap was closed."

Salinger said he talked to "one of the most important leaders in Europe" shortly after that, who said: " 'It is a totally unacceptable proposal, but it's impossible to refuse!'

"Most European experts on defense consider this accord highly dangerous for Europe because they believe it is a very important step toward cutting the umbilical cord between U.S. defense and Western European defense," Salinger noted. Whether the perception is accurate or not, whether the agreement is worthwhile overall or not, Salinger described European fears of Soviet superiority in conventional forces.

**Need to defend the dollar**

On economic issues, the United States has been similarly heedless of European perceptions, Salinger said. On a Sunday a month ago, Treasury Secretary James Baker told a television interviewer the United States no longer wanted to stop the dollar from further descent.

The next morning, he went on, "The dollar went through the floor. The Tokyo stock market went through the floor," as did the stock markets in London, Paris and Frankfurt. "And the New York stock market went through the floor," following the others, not leading them.

"And we continue to have this absolutely mindless view of the international economic situation which causes high administration officials to say that it doesn't make any difference how far the dollar goes down," Salinger asserted.

"But in Europe and in Japan, the feeling is that if you are not going to defend your national currency, you're a weak economic power."

He said that the United States lost respect by promising at three successive economic summit conferences to reduce its budget deficits, but doing nothing until the stock market finally crashed.

As the world's largest debtor, the United States has made itself a bargain bazaar for foreigners, Salinger noted. They now own one-third to one-half the commercial real estate in several major downtown areas.

"These perceptions of economic weakness are affecting our ability as a world leader, as a leader of the Atlantic Alliance," he said.

**Learn to forget hostages**

Salinger recalled the American perception of Europeans as untrustworthy allies when European nations temporized on the problem of terrorism. "Just at the time the Europeans understood that you couldn't deal with terrorists, what happened?" he asked. "They discovered the United States was doing it," dealing with the Iranians.

Both Europe and America were unrealistic, Salinger insisted. Admitting that his view might sound "inhuman," he said, "When somebody is taken hostage, a country must forget him, or her."

The author of a prize-winning television documentary and a book on the Iran hostage crisis, Salinger asserted that if the United States had refused to negotiate with Iran, "The hostages would have become valueless. By negotiating, by giving them arms, we convince those people who take hostages that hostages have a value."

**"In Europe and in Japan, the feeling is that if you are not going to defend your national currency, you're a weak economic power."**

**— Pierre Salinger**

Earlier in the day, speaking to Professor John Weiss' class in modern European studies, Salinger reviewed the successful strategy by which French President Mitterand sharply reduced the influence of his country's communist party by switching votes to the Socialists.

He also described France as more than the home of gastronomy, as a high-technology society that produced the world's fastest train, saturated its homes with computers to replace telephone directories and devised the "smart card" that does much more than a credit card.

At a reception at the end of the day, Salinger surprised his hosts by sitting down at the piano in the A.D. White House and playing Bach's Prelude No. 1.

— *Irv Chapman*

## NEWS FROM... Human Resources

In response to significant increases in the cost of providing quality health care, the university recently conducted a thorough evaluation of the endowed health care plan.

"The objectives of the study were to identify and develop alternatives that will not compromise the quality and scope of health care benefits at Cornell. We want to assure that the university and individual participants in the health care plan will have greater control over health care costs," stated Lee Snyder, director of the Office of Human Resources.

A letter was mailed to participants last week introducing upcoming plan changes. Materials will be mailed during the last week in November to employees participating in the endowed health care plan. This mailing will provide detailed information on hospital precertification provisions which will be incorporated on Jan. 1. Additional alternatives are under review, and other changes are being planned for April 1988.

Future articles will provide background information about the rising costs of health care today and highlights of Healthline, Aetna's precertification program. In addition, Aetna representatives will be available to answer questions about Healthline at meetings to be held on campus early in December. Employees will be notified of the dates and places of the December meetings. More information about the April changes will arrive in January.

November is the month to enroll in Select Benefits. Beginning with the 1988 Select Benefits plan year there is a new procedure for enrolling in the Health Care Premium Contribution option: enrollment is now automatic.

Formerly employees were required to complete an enrollment form in order to pay for their health care premium with before-tax dollars. Now all employees who participate in a health care plan provided through Cornell will, without any action on their part, pay for the cost of their premium with before-tax dollars.

Before-tax dollars means the cost of the health care premium is deducted from the employee's biweekly pay before taxes have been calculated.

If, instead, employees prefer to pay that cost with after-tax dollars — on which they have paid taxes — they must elect out of that option by checking the "no" box on the new selection form and returning it to Endowed Employee Benefits, 130 Day Hall, or Statutory Employee Benefits, B-22 Mann Library Building.

The procedure for participation in a Select Benefits medical care or dependent care account remains the same as in the past. Employees may set up one or both of the reimbursement accounts by completing the selection form and returning it to the appropriate benefits office. Enrollment applies only to the plan year indicated and employees must complete a new form each year.

Enrollment for the 1988 plan year is during the month of November. All employees will receive the necessary materials at their home addresses during the last week in October.

Questions concerning Select Benefits or a department request for a benefits specialist to explain the plan to staff members may be directed to Endowed Employee Benefits, 5-7509 or Statutory Benefits, 5-4455.

*This article was submitted by Office of Human Resources, which should be called at 255-3621 for further information.*

# Group details new superconductor production process

Cornell engineers have reported the details of their new process for producing thin films of high-temperature superconductors at lower processing temperatures and at lower cost. The new technique is reported in the Nov. 17 Applied Physics Letters.

The new method, called "high-pressure reactive evaporation," is a significant step toward making practical superconducting films for microelectronic applications. It was developed by applied physics graduate students Daniel K. Lathrop and Stephen E. Russek and by Robert A. Buhrman, professor of applied and engineering physics who heads the Superconducting Thin Film Group.

Last month, scientists at the University of Rochester reported using thin films produced by the new process to conduct electrical pulses as short as 10 to 15 trillionths of a second (picoseconds) without absorption or distortion and at very high levels of electrical current.

This discovery showed that superconducting digital data transmission lines could be built with far greater capacity than even optical fibers. It also showed that future computers could use superconducting transmission lines to move massive amounts of data rapidly among components on computer chips.

The lower processing temperatures of the new technique mean that superconducting films could be produced on computer chips with less danger of heat damage to other components.

The procedure is cheaper than other methods because the superconducting film is created on a zirconium oxide base, which is about one-tenth the cost of strontium titanate, the material used by other researchers. The new superconducting ceramic cannot be created on a substrate of silicon, the basis of most electronics, because it reacts chemically with silicon.

Superconducting films used to connect components on computer chips could become the basis for faster computers, too, because they could transmit data among components at far higher speeds than current metal connections and with no electrical resistance. Metal connections between components on chips cannot transmit information fast enough to keep up with new processors and their resistance creates unwanted heat.

Last year, scientists discovered a new class of ceramic materials that become superconductors — capable of carrying electrical current with no resistance — at "high temperatures" of up to 90 degrees above absolute zero (about -183 degrees Centigrade). Such superconductors could be cooled by cheap liquid nitrogen, which means that large numbers of practical applications of the materials are now feasible.

The new production process developed here consists of using beams of high-energy electrons to evaporate two of the components of the superconductor, yttrium and barium, inside a 700-degree-Centigrade chamber filled with oxygen at high pressures. The third component, copper, is evaporated from an electrically heated wire.

The vapors deposit as a thin film of yttrium barium copper oxide (chemical formula $YBa_2Cu_3O_{7-y}$) on the support, or substrate, material.

The resulting material became superconducting at a temperature of about 85 degrees Kelvin (about -188 degrees Centigrade) and could carry a current of about one million amperes per square centimeter, according to Buhrman. The high current densities mean that the films can carry enough electricity to make them useful as electronic components.

The researchers also found that they could improve the electrical and superconducting properties of the films somewhat by a "rapid thermal annealing" process in a different oxygen-filled chamber at temperatures of 700 to 900 degrees Centigrade for 1 to 5 minutes.

Such superconducting temperatures and current densities were previously produced by International Business Machines Corp. researchers on strontium titanate. Also, previous superconducting thin films were produced at higher temperatures of about 850 degrees Centigrade.

"These results show that it is possible to grow high-temperature superconducting ceramic on substrates whose crystal structure does not exactly match that of the film," Buhrman said. "Although we expect to improve these films considerably as we optimize the process, it's already clear that these growth procedures are a particularly promising approach to the rapid development of a successful superconductor thin-film technology." — *Dennis Meredith*

# Law faculty, staff help co-worker through surgery

Claude Levet

**Law School Dean Peter Martin congratulates Carolyn Lynn on her recovery from spinal surgery and return to her job. She spent ten months at home in a body cast.**

A year ago, Carolyn Lynn, a secretary at the Law School, told her supervisor she would have to take medical leave to undergo spinal surgery. That started a 12-month sequence of actions by Law School faculty and staff that went far beyond sending the traditional potted plant to a hospitalized co-worker.

Shortly after Lynn's announcement, Law School Dean Peter Martin stopped by her desk to tell her he was sorry that she was facing major surgery. "Don't worry," he told her, "when you come back, your job will still be here." The assurance helped her and her family beyond words, Lynn said.

When the time came to leave for the hospital, more than 100 people surprised Lynn with a going-away party and gave her a Cornell teddy bear. "Believe it or not, I slept with that bear every night in the hospital," she recalled.

**"Her toes wiggle!"**

The Law School faculty and staff had reason to give Lynn extra support and indications of concern: They knew the surgery would be extensive and sensed she feared that she might not be able to walk if the operation failed. Fortunately, it was successful. The message "her toes wiggle!" was posted on the bulletin board outside the dean's office shortly after the operation.

Law School faculty and staff sent her more than 250 cards in the hospital, phoned her often and paid many visits. "I still chuckle over one professor, who called while I was coming out of anesthesia," she said. "I'm sure he thought I was cuckoo" because of her dazed responses.

During Lynn's 10-month recuperation at home — much of it in a body cast — her supervisor, Mary Ella Christie, visited her and drove her to and from the Law School where she had arranged "juice and brownie" sessions in Lynn's honor during weekly staff meetings.

**A touching letter**

This fall, after she had returned to work, Carolyn Lynn's husband, Richard, who is not a Cornell employee, wrote President Frank H.T. Rhodes to tell him about the support she had received from her colleagues before and after surgery.

"Cornell University and the entire Ithaca area are truly fortunate to have people like those at the Law School living and working in our community. The Lynn family will always be grateful," he wrote. The letter was signed separately by "Dick, Tracy, and Dagan Lynn."

In his reply, Rhodes expressed his pleasure that Carolyn Lynn had made a good recovery and was able to return to her secretarial job at the Law School. "I am so happy to know of the fine encouragement and support that she received from Dean Martin and many other colleagues in the Law School," the president wrote. "It is this kind of friendly relationship that makes Cornell such a special institution. Thank you very much for your thoughtfulness in writing to me."

"Mr. Rhodes was very touched by the letter," said Marcia Parks, executive staff assistant in the president's office. "He receives perhaps half a dozen spontaneous letters like that a year."

— *Joe Leeming*

## Graduate Bulletin

**Fellowships for Wellesley Alumnae:** Fellowships valued at up to $14,000 available to Wellesley graduates. Deadline is Dec. 1. See Fellowship Office, 116 Sage Graduate Center for details.

**Charlotte Newcombe Doctoral Dissertation Fellowship:** Fellowship is for $10,000 for dissertation writing year. Deadline is Dec. 11.

**CUINFO** now has the Fellowship Notebook on line. It lists more than 100 fellowships for graduate students for 1988-89 under the categories: women, foreign students, minority students, study overseas and general. Eligibility requirements, amount of award, deadline and address for application are also included. More information is available at the Fellowship Office, 116 Sage Graduate Center.

# Four-minute miler to address JGSM reunion

The first person to run one mile in less than four minutes will deliver the keynote address when the Johnson Graduate School of Management holds its Third Annual European Reunion in London March 18-20.

Sir Roger Bannister will speak on "Science, Sport and Medicine" at the reunion banquet on March 19 in the Inn on the Park at Hamilton Place, Park Lane. Bannister, a medical doctor, is master of Pembroke College, Oxford University.

In 1954, he was clocked at 3:59.4, becoming the first mile runner to break the four-minute barrier.

Curtis W. Tarr, dean of the Management School, will lead a group of faculty who will fly to London to conduct seminars and meet with alumni who work in Europe.

"These reunions enable the Johnson School to share with its overseas alumni the latest research in business management, and they help us keep in touch with graduates who occupy important positions in international trade and finance," Tarr said. "Our first two reunions were held in Brussels and Paris and were well attended. We are planning two reunions in 1989, one in Tokyo for alumni in Asian nations and another one in Europe."

Participating in the seminars will be Thomas R. Dyckman, associate dean for academic affairs; Harold Bierman Jr., a professor of business; and Richard H. Thaler, a professor of economics.

Other scheduled panelists include Jean-Marie Dermine, a French finance professor; Joseph A. Los, finance director of the Netherlands' Transport International Pool; J. Roger O'Neil, chairman of Mobil Oil Co. Ltd., U.S.A. and England; Dermot St. John McDermott and Dominic E. Collier, British businessmen; and Karel Vinck, a Belgian business executive.

Jacques Andriessens, vice president of Johnson Wax Consumer Products-Europe, will speak at a luncheon on March 20 in Pembroke College.

Seminar topics will deal with European financial markets, flexible financing and pitfalls in business decision making.

— *Albert E. Kaff*

## $510 London fare

Members of the Cornell community can purchase reduced round-trip air tickets to London arranged for the Johnson Graduate School of Management's Third Annual European Reunion without participating in the reunion.

Reservations must be made before Jan. 5 for the special $510 fare on British Airways. The flight will leave New York City on March 16, and the return trip can be made anytime after March 20. For further information, telephone Jolan Becken in Cornell Travel Office, 255-4284.

# Job Opportunities

November 19, 1987
Number 44
Office of Human Resources
Cornell University
160 Day Hall
Ithaca, New York 14853-2801

**In compliance with the Immigration Reform and Control Act of 1986, Cornell University is now required to check the identity and employment eligibility of all new hires.**

**Effective June 1, 1987, if you accept a position, you must show documents on or before your first day of work, that indicate your identity and employment eligibility; for example, a state issued driver's license and a birth certificate. For more information, contact Staffing Services, 255-5226.**

**-THANKSGIVING HOLIDAY SCHEDULE: Requisitions received after noon Thursday, November 12, through noon on Wednesday, November 25, will be posted December 3, due to the Thanksgiving Holiday (no Chronicle on Thanksgiving, Thursday November 26). Hiring freeze begins December 3, 1987 to January 4, 1988.**

**-Send cover letters & resumes to Staffing Services, 160 Day Hall, Cornell University, Ithaca, NY 14853.**

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

**-Requests for referral &/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. Terminals are situated in main lobbies of Day Hall & Gannett Clinic, & the Olin, Mann & ILR Libraries.**

## Administrative and Professional

Minimum salaries listed are for recruitment purposes only.

**PERSONNEL ASSOCIATE I** (PA4408) Office of Human Resources
Assist in implementation & admin. of Univ.'s non-academic compensation plan.
Req.: BA/BS pref. in Personnel/Busn. mgmt. Some exp. in various personnel/human resources areas of specialization (compensation, staffing, benefits, employee relations, training); busn. or higher ed. exp. helpful. Excellent analytic/org. abilities plus verbal/written comm. skills. Extensive contact with all levels of faculty, admin. & staff, univ.-wide. Letter & resume to Cynthia Smithbower by 12/7.

***FINANCIAL ANALYST I*** *(PC4404)* Facilities & Engr. Admin.
Provide analytical, financial & database mgmt. support to Engr. & Facilities Dept.
Req.: BS in busn. or computing or equiv. Min. 3 yrs. job-related exp. Exp. in gen'l. ledger & cost acctg. & busn. operations. Demonstrated org. & mgmt. skills req. Natural/ADABAS, JCL & other high level lang. (BASIC, PASCAL) desir. Physical plant knowl. pref. Letter & resume to Esther Smith by 12/4.

**DINING MANAGER I** (PG4402) Residence Life
Resp. for coordinating 11 fraternity dining operations, incl. supv., budgeting, menu planning, purchasing, quality control, payroll, sanitation standards, equip.
Req.: AAS in related field, BA pref. 3–5 yrs. food service mgmt. exp. Knowl. of PC & spreadsheet software. Letter & resume to J. Courtney Fletcher by 11/30.

**APPLICATIONS PROGRAMMER I** (PT4405) Nutrit'l. Sciences
Provide prgrmng. support, write & maintain documentation, & provide instruction for admin. & academic computing systems. Assist with purchase, set-up & maint. of computer equip., software & networks. Assist with formation & back-up of data sets.
Req.: BS or equiv. Exp. in admin. & academic environ. Facility with computers, esp. microcomputers. Knowl. of hardware, software, & data mgmt. Some prgrmng. exp. helpful. Good interper. skills. Letter & resume to Judi Deane by 12/11.

**ASST. DIR., CURW** (PA4403) Cornell United Religious Works
Assist in coordination of diverse religious staff, operation of Sage Chapel, admin. of gen'l. programs; Some counseling of students/staff. Represent CURW at various campus mtgs./functions. 3 yr. term. Starts: 7/1/88.
Req.: MS in theology or religion; managerial training; ordination not req. but knowl. of liturgy pref. Understanding of various worship traditions; sophisticated understanding of biblical literature, skills in public speaking, group work, planning/org. Able to articulate religious truths in academic context. Letter & resume to Cynthia Smithbower by 12/18.

**ADMIN. MANAGER II** (PA4406) Human Development Family Studies
Sr. non-academic administrator. Establish dept. admin. policies, determine admin. goals & oversee daily operations. Responsibilities: budgeting, acctg., grants/contracts mgmt., personnel, facilities (space) mgmt. & maint. & grad. student financial support.
Req.: BS/BA; 5 yrs. admin./supv. exp. Exc. comm. & human relation skills. Knowl. of finance/financial systems, acctg./budgeting. Familiar with computer systems pref. Letter & resume to Cynthia Smithbower by 12/1.

**AREA SUPV. II** (PT4401) Elec. Engr.
Mng. gen'l. purpose computer systems within School, not under specific control of research or educational labs. Use, maintain & modify computer operating systems. Oversee daily operation of several medium-scale systems.
Req.: BS in comp. engr./computer sci. or equiv. 1–2 yrs. exp. managing computer systems & with UNIX operating system. Good comm. skills; exp. with micro computers desir. Letter & resume to Judi Deane by 12/11.

**TECHNICAL SPECIALIST I** (PT3902) Program of Computer Graphics
Provide systems level guidance & support for large scale research projects, develop optimal hardware & software solutions, provide tech. advice, Beta-test products, manage & develop expanding networked prgrmng. environ.
Req.: BS in Comp. Sci./Comp. Graphics, MS pref. or equiv. with related computer courses. Ext. knowl. of VAX/VMS system. Able to evaluate perf. characteristics of hardware & software, knowl. of software engr. principles, 3-dimensional graphics, parallel methods. C & FORTRAN lang. UNIX & ULTRIX. Letter & resume to Judi Deane.

**APPLICATIONS PROGRAMMER II** (PT4102) Diagnostic Laboratory
Design, develop, implement & maintain software & mini/micro computer systems.
Req.: BA/BS or equiv. Knowl. of bio. sci. & statistical applications essential. Able to program in C, Pascal & Basic desir. Exp. with MS-Dos & Dbase III+, Rbase IV, Lotus 123 & Wordperfect. Exp. with hardware interface highly desir. Letter & resume to Judi Deane.

**SYSTEMS ANALYST I** (PT4301) Animal Science
Provide tech. assistance for remote customers with application program svcs., personal computer hardware & software & with links between PC's & mainframe, assist with design of system plans, application program plans & forms design. Recommend changes for application programs, hardware, intralab procedures & environ.
Req.: BS in animal sci./computer sci. Exp. with PC's &/or PC software highly desir. Dairy bkgrnd. highly desir. Letter & resume to Judi Deane by 11/27.

## 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 to Esther Smith or Laurie Worsell. Interviews are conducted Tues. & Wed. at Staffing Services, East Hill Plaza by appt. only. Qualified applicants will be contacted after materials are reviewed.

**DATA ENTRY TERMINAL OP.,** GR17 (C4405) General Stores
Fulfill all data entry functions in offc. & at customer service counters. Receive all customers; assist Material Handlers; misc. clerical duties.
Req.: H.S. dip. or equiv. with emphasis in data entry. Min. 1–2 yrs. exp. operating a computer terminal with a proven record of accuracy. Exc. comm. & interper. skills. Familiar with trades term. Exp. in warehouse operation. Med. typing. Min. Biweekly: $421.81

**OFFICE ASST.,** GR17 (C4407) Vet Micro., Immunol. & Parasit.
Assist with sec./clerical duties. Type corresp., personnel/financial forms, reports, grants; file, pick up & sort mail; set up appts., mtgs.; answer phone.
Req.: H.S. Min. 1 yr. offc. exp. Exp. with Wordperfect pref. Strong interper. & comm. (written/oral) skills. Med. typing. Min. Biweekly: $420.76

**OFFICE ASST.,** GR17 (C4406) JGSM
Coord. & provide duplicating & mailings services for School, faculty, staff & student orgs.
Req.: H.S. dip. or equiv. Min. 6 month exp. in duplication/copy operation. Familiar with U.S. mail regulation. Routine record keeping & math skills. Lt. typing. Min. Biweekly: $421.81

**ACCOUNTS ASST.,** GR18 (C4410) Nutrit'l. Sciences
Assist Admin. Supv. in Busn. offc. Input daily transactions for 300+ accts./duos; monthly billings; produce monthly acctg. & special reports; receive & deposit all income; assist with weekly payroll; aid in implementation of CUDA acctg. system (IBM PC-XT); review acctg. of long-term advance reimbursements; liaison with Telecomm. for System 85.
Req.: H.S. dip. or equiv. College-level coursework in acctg. helpful. Exp. working with computers & statutory acctg.; familiar with dBase helpful. Able to set priorities, meet deadlines & work in a complex, active environ. Med. typing. Min. Biweekly: $443.13

**OFFICE ASST.,** GR18 (C4413) JGSM
Provide clerical assistance to Busn. Offc. & Offc. Mgr. & 5 Faculty Support Aides.
Req.: H.S. dip. or equiv. Sec. school desir. Min. 1–2 yrs. gen'l. offc. exp. Heavy typing. Min. Biweekly: $444.37

**SECRETARY,** GR18 (C4411) Agric. Economics
Provide sec., admin. & research support for 2 faculty. Support programs in teaching, research & ext. Type & edit manuscripts using IBM compatible PC & Apple Mac.; extract figures, compile & do simple number calculations.
Req.: H.S. dip. or equiv. Busn. or sec. school desir. Min. 1–3 yrs. exp. Able to type & edit manuscripts. Knowl. of Word/Wordperfect & usage on IBM-PC & Mac or equiv. desir. Med. typing. Min. Biweekly: $443.13

**DATA ENTRY OPERATOR,** GR20 (C4402) Transportation Services
Assist with development/operation/maint. of traffic & parking micro & mainframe computer systems & files; run billings, correct errors; generate reports; assure mainframe tape interface with micro-computer; resp. for daily updating & maint. of files & data.
Req.: AAS in busn. or data processing or equiv. Min. 2 yrs. exp. in gen'l. offc. work. Exc. org. & comm. skills. Exp. with computers nec.; previous work with micro-computers & mainframe systems desir. Lt. typing. Min. Biweekly: $496.80

**ADMINISTRATIVE AIDE,** GR20 (C4306) Geological Sciences
Admin. asst. to Chair. & Admin. Mgr. Heavy typing with complex formulas. WP on IBM PC, MAC; answer phone; handle mail; gen'l. offc. assistance.
Req.: AAS or equiv. IBM PC-XT, Wordperfect, Mac (helpful). Editing exp. helpful. Strong org., interper. & comm. (written/oral) skills. Heavy typing. Min. Biweekly: $496.80

**SECRETARY,** GR20 (C4303) Chemistry
WP, database entry & computer-aided tech. drawing for Prof. & research group. Phone; mail; file; travel & appt. mgmt., lib. research.
Req.: AAS or equiv. Min. 1–2 yrs. exp. with WP, graphics & spreadsheet software. Exc. org., interper. & comm. skills. Heavy typing. Min. Biweekly: $496.80

## 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.

**CUSTODIAN,** SO16 (G4401, G4402) Residence Life-Endowed
Provide gen'l. custodial care of bldgs. & grounds in immediate vicinity of assigned area. Mon.-Thur., 7:30 a.m.–4 p.m.; Fri. 7:30 a.m.–3 p.m.
Req.: H.S. dip. or equiv. Able to operate a variety of heavy power equip., lift 50 lbs. & climb an 8 ft. ladder. Basic reading & writing skills. Daily contact with students. Min. hourly: $5.39

**SHORT ORDER COOK,** SO18 (G4413) Dining-Endowed
Prepare & serve food directly to customers from short order area. Shift subject to change.
Req.: H.S. dip. or equiv. 6–12 months related exp. Familiar with short order equip. Able to prepare variety of short preparation foods under pressure. Good customer relations skills. Min. hourly: $5.96

**MAIL COURIER,** SO18 (G4407) Graphic Production Services-Endowed
Pickup, sort & deliver intercampus Mail to/from designated stops. Operate out of Messenger Services Mail delivery van. M-F, 8:30–5.
Req.: H.S. dip. or equiv., proficient in reading & writing; able to decipher poor handwriting. 2 yrs. exp. in mail handling pref. Clean driver's lic. Class V req. Able to lift 50 lbs. Familiar with CU campus helpful. Min. hourly: $5.96

**THEATRE ASST.,** GR22 (G4408) Theatre Arts
Alter, cut, pattern & stitch costumes for Theatre dept. productions. Assist w/craft work, dying, laundering, millinery & shopping. Keep shop equip. in good working order. Assist students w/production projects. Fit or assist at costume fittings as needed, measure actors as they are cast.
Req.: Ext. exp. as stitcher, some exp. patterning & cutting clothes, exp. in theatre costume shop essential. Min. Biweekly: $556.14

**PRINT MACHINE OPER.,** SO23 (G4411) Media Services-Statutory
Set-up, operate & maintain a variety of commercial bindery equip. & duplicating machines incl.: off-set presses, folders, cutters, stitches & collators. Mon.-Thur., 8–5; Fri., 8–4.
Req.: H.S. dip. or equiv. Vocat'l. trng. in printing pref. Min. 2 yrs. exp. on commercial print bindery equip. or offset presses. Able to lift 60 lbs. Min. hourly: $7.74

**VEHICLE MECHANIC,** SO23 (G4409) CU Transit, Inc.-Endowed
Provide routine servicing & prevent. maint. to all vehicles at Bus Garage. Major repair work on engines, drive train, chassis, body, etc. Mon.-Fri.
Req.: H.S. dip. or equiv. Min. 5 yrs. exp. working on diesel engines on busses. NYS Class 2 lic. req. Min. hourly: $7.74

**UNIV. SERVICE OFFICER,** GR02 (G4403) Public Safety
Resp. for prevention & detection of criminal behavior; external & internal patrol of Univ. property within assigned area for fire, safety & crime hazards; enforce parking regulations.
Req.: H.S. dip. or equiv. Formal ed., training or exp. in law enforcement field pref. U.S. citizenship; eyesight 20–40 corrected to 20–20; no record of convictions other than minor traffic infractions. NYS driver's license; able to obtain NYS pistol permit within 90 days of employment. Must pass physical exam. Min. hourly: $6.50

## Technical

**REGULAR EMPLOYEES:** Submit an employee transfer application, resume & cover letter. **EXTERNAL APPLICANTS:** Submit an employment application, resume, & 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 Deane 160 Day Hall. The following backgrounds are highly desired: biochem., chem., microbio., elect., physics, lic. animal health tech.

**RESEARCH AIDE,** GR18 (T4302) Entomology
Asst. in lab & field research effects on parasitoids of biting & non-biting flies. Rear insect stock colonies, maintain lab & assist in exp. design, set-up & data collection. 1 yr. possible renewal.
Req.: BS in bio. or equiv. exp.; eligibility for NYS certified commercial pesticide applicator's lic.; valid driver's lic. Exp. with insect rearing & ID nec. Exp. with dairy cattle or other large animals desir. Min. Biweekly: $443.13

**TECHNICIAN,** GR21 (T4406) Avian & Aquatic Animal Med.
Run exp. in molecular bio. in Viro Lab, prep. radioactive probes, carry out hybridizations, prep. mRNA & cDNA, develop in vitro transfection methods, etc. Resp. for daily org. of molecular bio. lab.
Req.: BS in microbio. or equiv. 2 yrs. with radio-isotopes, sterile techniques, tissue culture & recombinant DNA techniques req. Familiar with electrophoresis equip., ultracentrifuges, faction collectors, scintillation counter, etc. Apply by 12/11. Min. Biweekly: $526.14

**TECHNICIAN,** GR22 (T4403) Plant Breeding & Biometry
Assist in design & conduct of molecular studies on gene expression in tomato fruit, invol. isolation & analysis of DNA & RNA, nuclear isolation & run-on experiments & protein binding studies. Lab upkeep, oversee use of radioactive compounds in lab. Hire, train & supv. students.
Req.: BS biochem./biology/chem. 2 yrs. exp. with molecular techniques req. incl. isolation purification & analysis of RNA & DNA, exp. with plant system useful. Good supv. & interper. skills. Apply by 12/11. Min. Biweekly: $554.63

**TECHNICIAN,** GR22 (T4303) Food Science & Tech.-Geneva
Prepare & can vegetables. Conduct texture measurements in lab & compile & summarize data. 15 mo. appt.
Req.: BA/BS Food processing tech., computer knowl., food engr. desir. Apply by 11/20. Min. Biweekly: $554.63

## Part-Time

**CUSTODIAN,** SO16 (G4412) Ornithology-Endowed
Perform custodial duties: clean restrooms, mop, vacuum bldg., wash windows & display cases, remove trash, set up tables & chairs for mtgs./seminars, feed waterfowl, shovel snow & run errands. 20–25 hrs.
Req.: H.S. dip. or equiv. Able to lift 50 lbs. & climb 8 ft. ladder. Previous janitorial exp. pref. Must have NYS driver's lic. for occasional errands. Min. hourly rate: $5.39

**SECRETARY,** GR18 (C4315) Ext. Admin./Sea Grant-SUNY, Oswego
Utilize IBM word processor/computer for offc. corresp., manuscripts; maintain offc. records, database mgmt., special report development & electronic mail mgmt.; offc. recept. back-up. 5 days/4 hrs.
Req.: H.S. dip. or equiv. Busn./sec. school desir. Min. 1 yr. exp. with IBM WP/PC computer, database mgmt. & electronic mail software. Min. full-time equiv.: $443.13

**OFFICE ASST.,** GR18 (C4412) Vet. Med. Teaching Hospital
Front desk reception in Small Animal Clinic. Gather patient history & clients info.; operate computer terminal for medical records function; handle discharge of patients & cashiering. M-F, 2–6 p.m.; Sat., 8–1. Some holidays req.
Req.: H.S. dip. or equiv. Some college or medical bkgrnd. desir. Knowl. of medical terminology. Must demonstrate strong org., interper. & comm. skills. Able to work independ. in active, complex environ. essential. Lt. typing. Min. full-time equiv.: $443.13

**PLACEMENT OFFICE ASST.,** GR19 (C4415) Law School
Prepare resume packets for interviewers; maintain employer info. for student reference; prepare stats. relating to interview process; maintain computerized Placement Office Employer Information System; & assist staff in other clerical duties as req. M-Th, 8:30–1:30; Fri. 8:30–12:30
Req.: AAS or equiv. Some WP & data entry exp. (Wordperfect pref.), willing to work overtime & travel, able to work under deadlines & pressure, good interper./comm. skills nec. Min. full-time equiv.: $470.80

**TECHNICIAN,** GR20 (T4405) Entomology
Provide research support for greenhouse crop entomological studies incl. lab/greenhouse studies on various greenhouse pests (e.g. whiteflies, spider mites, etc.). M-F, 34 hrs./wk. Until 9/30/88. Renewable, if funded.
Req.: BS or equiv. exp. Bio., entomology, hort., agronomy, plant path. or equiv. exp.; valid driver's lic. Trng./exp. in 1 or more of insect rearing, exp. design & procedures, greenhouse crop production practices, stats., computer literacy highly desir. Willingness to work with pesticides. Apply by 11/27. Min. full-time equiv.: $495.35

**EXTENSION SUPPORT AIDE** (PA4407) HDFS
Coord. LINKING UP program activities at Rochester site. Work with local businesses & industries to recruit adult mentors, orientation & training of adults, quarterly contact with youth & families, coord. group mtgs. & assist research activities. 20 hrs./wk.
Req.: BA in Ed., Human Services, Human Relations, or Psychology. 2 yrs. exp. working with youth programs, pref. incl. some program admin. Familiar with Rochester community essential. Letter & resume to Cynthia Smithbower by 12/1.

## Temporary

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

**PROJECT COORD.** (G4410) Human Ecology Admin.
Assist with short & long term space planning in College of Human Ecology. Work on current & future renovations plus long term space allocations. 15 hrs./wk.
Req.: BA/BS or some facilities exp. helpful. Good with detail. Creative problem solving. Exc. interper. skills. Letter & resume to J. Courtney Fletcher.

**SECRETARY** (C4414) Agricultural Economics
Provide sec., admin. & research support for 2 faculty. Support programs in teaching, research & ext. Type & edit manuscripts using an IBM compatible PC & Apple Mac.; extract figures, compile & do simple calculations.
Req.: H.S. dip. Busn. or sec. school desir. Min. 1–3 yrs. exp. Able to type & edit manuscripts. Knowl. of Word/Wordperfect & its usage on IBM PC or equiv. equip. desir. Med. typing.

**ELECTRONICS TECHNICIAN** (T4404) Mechanical & Aerospace Engr.
Provide elec., mech. & logistic support for research program in Dynamics. Fabricate & test specialized elec. circuits used in mech. testing; design layout, fabricate mech. models & test fixtures used in dynamics research; provide routine maint. & repair of elec. & mech. lab equip. Collect & record experimental data. Until 7/88.
Req.: AAS in electronics. Mech. skills req.; working knowl. of machine shop equip., working knowl. of state-of-the-art elec. lab equip., expertise in digital & analog circuit fabrication. Good math skills. Apply by 11/27.

**EDITORIAL ASST.,** GR20 (C4221) Romance Studies
Copy editing & production coord. Work with complex literary, & serve as liaison between editors, contributors & publishers.
Req.: BA; lit. degree useful. Knowl. of IBM & Mac WP's. Letter & resume to Esther Smith. Min. Biweekly: $496.80

**RESEARCH TECHNICIAN** (T4301)
Conduct polamine analysis by HPLC.
Req.: BS; MS pref. 2 yrs. exp. in analytical chem., biochem. or bio. with strong emphasis on chemical aspects. HPLC exp. desir. 15 hrs./wk. 9 a.m.-noon, Mon.-Fri. until 9/30/88. Letter & resume to Prof. P. Davies, Plant Science Bldg., Room 228.

**COMPUTER OPERATOR** (T4202) Computer Services
Manage computing facility. Log users on/off computer, answer questions, handle minor software problems. 18 hrs./wk. 12 p.m.–4:30 a.m.
Req.: Familiar with IBM PC, proficient in Wordperfect. Knowl. of Mac. SE essent. Basic knowl. of CMS. Able to work without supv. Letter & resume to Judi Deane.

**RESEARCH AIDE** (T4209) Food Science
Conduct lit. search concerning role of lipids, esp. polyunsaturated fatty acids in nutrition & their effects on eicosanoids & physiological functions; summarize data & write reports.
Req.: BS nutrition/food/biochem. Knowl. of lipid biochem. & metabolism. Lib. research & WP skill req. Demonstrated ability to summarize tech. lit. & aptitude for writing reports. Approx. 3 months. Letter & resume to Judi Deane.

**COLLECTIONS REPRESENTATIVE** (C3910) Bursar/Collections
Collect delinquent student loans & Bursar accts. thru written/phone comm. Locate borrowers thru "skip tracing" techniques. Part-time; T, W, TH 4:30–8:30 p.m.
Req.: H.S. dip. or equiv. Good written/phone comm. skills. Collection exp. pref. Letter & resume to Laurie Worsell.

**OFFICE ASST.** (C3909) Nutrit'l. Sciences
Assist administrator w/bkkpng. & report prep. req. for mgmt. of int'l. nutrition/food policy program. Temp. to 6 months.
Req.: H.S. dip. or equiv. AAS in busn. admin. w/1–2 yrs. busn. related exp. plus bkkpng. & budget prep. Previous offc. exp. incl. Lotus & Wordperfect pref. Letter & resume to Laurie Worsell.

## Academic

**RESEARCH ASSOC.** (A4401) Chemistry
Manage Facility for Laser Spectroscopy & conduct research w/Facility members. Photodissociation; multiphoton dissociation, excitation, & ionization; energy transfer; gas-solid interactions; Raman spectroscopy of biologically important molecules; electron transfer in liquids; & spectroscopy of van der Waals clusters. 1 yr. appt. w/possibility of continuing employment. Contact: Prof. Paul L. Houston, Dept. of Chemistry, Cornell University, Ithaca, NY 14853-1301.

**SR. EXT. ASSOC., HOUSING/COMMUNITY DEVELOPMENT** Coop. Extension, New York City
Contact Ruth Allen, 15 East 26th St., 5th Floor, New York, NY 10010-1565.

**SR. EXT. ASSOC., YOUTH DEVELOPMENT** Coop. Extension, New York City
Contact Ruth Allen, 15 East 26th St., 5th Floor, New York, NY 10010-1565.

**EXTENSION ASSOC. III, REGIONAL EXT. SPECIALIST** Grapes Offc. Location: Regional Extension Offc.-Fredonia, NY
Contact Sally Bartholomew, Reg'l. Ext. Offc., Fredonia, NY 14063 before 12/1.

# Peter Serkin to give concert

Pianist Peter Serkin will perform works by Mozart, Chopin, Lieberson and Beethoven on Dec. 7 at 8:15 p.m. in Bailey Hall as part of the 1987–88 Grand Pianist Series.

Tickets for the concert are on sale at the Lincoln Hall ticket office. The telephone number there is 255–5144. Prices range from $10.50 to $17 for the general public and from $9 to $14.50 for students.

Serkin, son of pianist Rudolf Serkin, was a student at the Curtis Institute in Philadelphia at the age of 11. There he studied piano with Mieczyslaw Horszowski, Lee Luvisi and his father. At age 12 he made his successful New York debut, and at 14 he appeared with the elder Serkin and the Cleveland Orchestra in a performance of Mozart's "Concerto for Two Pianos." By age 16 he was counted among the most promising young pianists of the period, according to Mariann Carlin, concert manager of the Bailey Hall series.

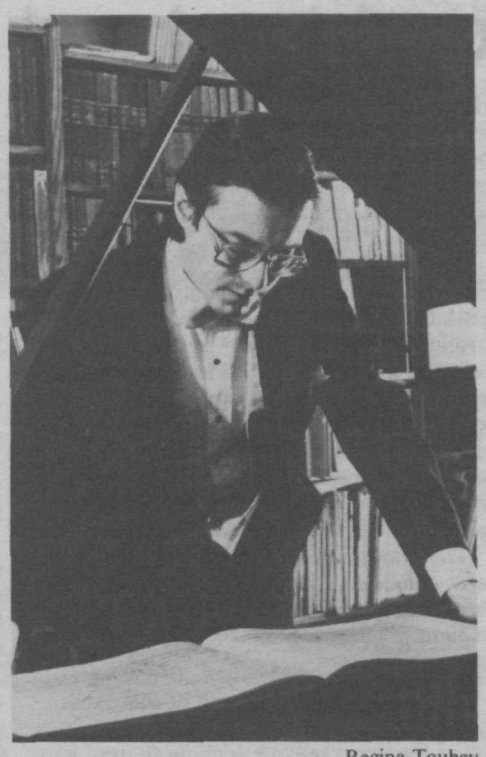
In the late 1960s and early '70s, like many of his generation, Serkin questioned existing values and looked for alternatives in a search that led to several sojourns in India. Feeling alienated from the traditional world of serious music, he withdrew from it altogether for a time, Carlin said.

Serkin returned to the concert stage as a member of Tashi, the renowned chamber music ensemble he helped found. The group's unconventional instrumentation of piano, violin, cello and clarinet can be attributed in part to Serkin's deep interest in the music of Olivier Messiaen, whose "Quartet for the End of Time" became the group's signature.

Tashi challenged audiences with daring programs, commissioned new works and aimed at a probing, questioning approach to music-making that now characterizes Serkin's playing as a soloist.

Serkin is among the few performers who earns critical recognition for his performances of both traditional and modern repertoire. His recordings of the six concertos Mozart wrote in 1784 won the prestigious Deutsche Schallplaten Prize and a Grammy nomination. In 1985, he performed the world premiere of Lieberson's Piano Concerto commissioned for him by the Boston Symphony Orchestra.

He now performs in all the major music centers of the world, both as recital artist and orchestral soloist. His special attraction for audiences can most readily be summarized by a quotation from a 1985 review in the Washington Post following a recital in the Kennedy Center: "What most characterized Serkin's performances was a muted intensity that kept one's concentration on the mysteries behind the music and seldom brought attention to his actual playing, which was phenomenal."



Regina Touhey

**Peter Serkin, who will perform works by Mozart, Chopin, Lieberson and Beethoven as the next artist in the Grand Pianist Series.**

# Shakespeare at Theatre Cornell

"Love's Labour's Lost," a Shakespearean comedy involving mistaken identities, rambunctious servants and unrequited love, opens Nov. 19 at Willard Straight Theatre. The play continues on Nov. 20 and 21 and Dec. 2, 3, 4, and 5 at 8 p.m., with 2:30 p.m. matinees on Nov. 22 and Dec. 6.

Director Bruce Levitt said the play is both appropriate and timely for its audience. "Beyond its highly entertaining plot, the notion is explored as to how one balances the various demands made on one's life, such as intellectual pursuits, love and friendship," he commented. "In addition, there is a tremendous satire on academics."

The play opens with King Ferdinand and three of his compatriots agreeing to an oath they believe will bring them fame and enrichment. They vow to three ascetic years of academic pursuits, abstention from the company of women, consumption of one meal a day and the need for only three hours of sleep a night.

All goes well until the Princess of France, on a political mission on behalf of her father, arrives with her three ladies-in-waiting. The men are enamored of the women, and they must find a way to keep their oath while wooing the women at the same time.

The cast of 18 includes undergraduates, six Residence Professional Theatre Associates and visiting artists. Returning for their second season as guest faculty are Maurice Daniels, a former director and administrator with the Royal Shakespeare Company, and Anthony Cornish, director of last season's production of "Two Gentlemen of Verona."

Local actors Sidney Green and Arthur Lithgow are members of the company. John Deering, the guest costume designer, earned his master of fine arts degree here. Paul Wonsek is the guest set designer.

Tickets for "Love's Labour's Lost" are $4.50 for students and senior citizens and $5.50 for the general public. They can be purchased in person or by calling the Theatre Cornell Box Office at 255–5165.

# Rose Goldsen Lecture set, Nov. 30

Nicholas Johnson, author of the nationally syndicated column, "Communication Watch" and head of the National Citizen's Communications Lobby, will give the second Rose Goldsen Lecture.

He will speak on "Access, Fairness and the Future of the Media" at 4:30 p.m. on Nov. 30 in Kaufmann Auditorium, Goldwin Smith Hall. A reception will follow at the A.D. White House.

Johnson headed the Federal Communications Commission from 1966-1973. He was chairman of the National Citizen's Committee for Broadcasting from 1974–1978. During that time, he started "Access," a magazine devoted to broadcasting reform, and he was host on the PBS television series, "The New Tech Times," a 26-part look at emerging technologies.

He is the author of three books, "How to Talk Back to your Television Set" (1970), "Test Pattern for Living" (1972) and "Broadcasting in America" (1973), and he is writing a fourth one.

The Rose Goldsen Lecture Series memorializes the work and concerns of Rose K. Goldsen, professor of sociology until her death in 1985. She was particularly concerned with the impact of the media on American society.

Johnson will be available for office hours on Dec. 1 in 338 Uris and will give a more informal presentation at a brown-bag lunch that same day at 12–1:30 p.m. in 360 Uris.

Anyone interested in talking with Johnson or attending the lunch may call either Linda Waugh at 255–0717 or Jan Wright at 255–6480.

# Calendar

**Continued from page 7**

"Mechano-Electrotransduction by Hair Cells of Internal Ear," Jim Hudspeth, Dept. of Physiology, University of San Francisco, Dec. 3, 4:30 Morison Room, Corson/Mudd.

**Peace Studies Program**

"A Scientist's Look at Conflict," Carl Friedrich von Weizsacker, Physics and Philosophy, Universities of Munich and Hamburg, Nov. 19, 12:15 p.m., G–08A Uris Hall.

**Pharmacology**

"Altered Chloride Channel Regulation in Cystic Fibrosis Secretory Ephithelial," Raymond Frizzell, Dept. of Physiology and Biophysics, University of Alabama, Birmingham, Nov. 23, 4:30 p.m., Pharmacology Library, D101L Schurman Hall.

"Molecular Biology and Structure of Adrenergic Muscarinic Cholinergic Receptors," J. Craig Venter, Section of Receptor Biochemistry, NINCDS, National Institutes of Health, Bethesda, MD, Nov. 30, 4:30 p.m., Pharmacology Library, D101L Schurman Hall.

**Plant Biology**

"Transfer Cell Structure and Function in Pea Leaf Minor Vein Phloem," Larry Wimmers, Section of Plant Biology, Nov. 20, 11:15 a.m., 404 Plant Science.

**Plant Breeding and Biometry**

"Measures and Applications of Genetic Diversity in Oats," Ed Souza, Dept. of Plant Breeding, Nov. 24, 12:20 p.m., 135 Emerson Hall.

**Plant Pathology**

"Viral Diseases of Cultivated Mushrooms," Peter Romaine, Penn. State University, 4:30 p.m., 404 Plant Science.

"Stability of Disease Expression in the Potato-Late Blight Pathosystem in Two Environments," Jodi Parker, Dec. 1, 4:30 p.m., 404 Plant Science.

"Pseudomonas Solanacearum: Longevity and Population Dynamics in Soil," Christine Stockwell, Dec. 1, 4:30 p.m., 404 Plant Science.

**Textiles and Apparel**

"Synthetic Fiber Alternatives to Down," John Skelton, Albany International Research, Nov. 24, 12:20 p.m., 317 Martha Van Rensselaer.

"Pesticide Retention of Fabrics," Rosalind Sagan, Dec. 1, 12:20 p.m., 317 Martha Van Rensselaer.

**Vegetable Crops and Pomology**

"Abscission of Flowers and Fruits in Snap Beans," Victor A. Monterrosos, grad student, Vegetable Crops, Nov. 19, 4:30 p.m., 404 Plant Science.

"A Field and Bioassay Evaluation of Selected Cover Crops for Suppression of Phytonematodes and Apple Replant Disease," Jan Merwin, Dept. of Pomology, Dec. 3, 4:30 p.m., 404 Plant Science.

**Western Societies**

"The Cross-Cultural Study of Child Abuse: The Netherlands and the United States," Joan Doughty, (HSS), Nov. 20, 12:15 p.m., 153 Uris Hall.

"The Stage as a Platform for a Thinker/Journalist/Politician: The Sixties in Finnish Theater," Arvo Salo, Mellon Visiting Scholar, Nov. 23, 4:30 p.m., A.D. White House.

"Challenge to the Prosecution: Old Questions and New Problems in the Hunt for Nazi War Criminals," Neal Sher, director, Office of Special Investigations, U.S. Dept. of Justice, Nov. 30, 4:30 p.m., 165 McGraw Hall.

"Local Knowledge and Imagined Communities in Northern Ireland: The Rhetoric of Political Murder," Joan Vincent Barnard, Dec. 4, 4:30, 153 Uris Hall.

## THEATRE

**Cornell Dramatic Club**

"Twelfth Night, or What You Will: a tale in twelve scenes," Nov. 22 and 23, 8 p.m., Drummond Studio Theater. Free admission.

**Theatre Cornell**

"Love's Labour's Lost," a comedy by William Shakespeare, Nov. 19, 20, 21; Dec. 2, 3, 4, 5, at 8 p.m.; Nov. 22 and Dec. 6 matinees, 2:30 p.m., Willard Straight Theatre. Call the Theatre Cornell Box Office at 255–5165 for ticket and charge information.

## MISC

**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.

**Graduate Lambda Association (GLASS)**

A social for lesbian, gay and bisexual graduate and professional students, undergraduates, faculty and staff, their partners and friends, Nov. 20, 8–11 p.m., 258 Goldwin Smith Hall. For more information call 273–7981.

**Unions and Activities**

Holiday Craft Fair '87, Dec. 2–4, 10 a.m.–6 p.m., Memorial Room, Willard Straight Hall.

**University Cooperative Nursery School**

Benefit auction, with more than $10,000 worth of merchandise and services from over 250 area merchants. Proceeds will build a fund for future scholarships and an improved playground for the children of the nursery school, Nov. 27, 11 a.m. to 5 p.m., Ramada Inn ballroom. For more information call 257–2329.

**Hebrew Speaking Club**

Hebrew Speaking Club meets Tuesdays, 8:30 p.m., G–34 Anabel Taylor.

**Intramural Bowling**

Deadline on entries is Dec. 3, 4 p.m. in the Intramural Office of Helen Newman Hall. Specify preferred day of play on roster. Play starts on Jan. 25.

**Intramural Fencing**

Deadline on entries is Dec. 1, 4 p.m. in the Intramural Office, Helen Newman Hall. You must have at least one semester of training to enter. Tournament will be held Dec. 5, 10 a.m. in Helen Newman. Entry fee of $3 due with roster before deadline.

**Shotokan Karate Club**

Shotokan Karate Club welcomes new members, beginners and advanced. The club meets Monday through Friday in front of Barton Hall, 5:30 to 6:45 p.m. For information call Scott, 272–2512, evenings.

**Tae Kwon Do exhibition**

Grandmaster Duk Sung Son, 9th degree black belt and president of the World Tae Kwon Do Association, will be the special guest at an exhibition of Korean karate by the Cornell World Tae Kwon Do Club on Nov. 22 beginning at 12:30 p.m. in the third floor lounge of the Noyes Center.

The exhibition will include basic moves, forms from white to black belt, sparring and wood breaking with flying kicks, chops and punches. For more information, call Trish Cairns at 898–4320 or Sandy Glatter at 255–2618.

**Writing Workshop**

Writing workshop walk-in service, free tutorial instruction in writing, Monday-Thursday, 3:30–5:30 p.m. and 7–10 p.m., 174 Rockefeller Hall; Sunday, 2–8 p.m., 174 Rockefeller Hall; Sunday-Thursday, 10-midnight, 340 Goldwin Smith; Sunday-Thursday, 7–10 p.m., McFaddin Hall-Computer Room; and Sunday-Thursday, 7–10 p.m., Clara Dickson Room-Computer Room.

# Tuition-free courses charge local teachers' batteries

Virginia Simons is sure she'll be a better sixth-grade English teacher now that she's studied the myths behind the King Arthur legends.

John Fahs found a laser-applications course daunting, though "rejuvenating" and sure to be helpful to his students.

Mary Larkin was thrilled to find a course in American military history and will work it into her high school history classes.

What these three teachers share, besides enthusiasm for new learning, is their nearness to Cornell, which has opened its classes and its coffers to help enrich pre-college teaching in eight nearby school districts.

**Any course in the catalog**

Because of Cornell's scope, local teachers have been able to deepen their specialization — or sample whole new fields — with courses in such subjects as African studies, astronomy, classics, engineering, geology, government, law, plant biology, and several other sciences.

While it is increasingly common around the country for universities ito cooperate with primary and secondary schools, Cornell may be the only university offering school teachers its regular, undergraduate courses tuition-free, according to Katherine Doob, who has attended many conferences as coordinator of the Cornell program.

And Nevin Brown, who is studying such collaborations for a unit of the National Association of State Universities and Land-Grant Colleges, supports that conclusion. He says that while some colleges waive tuition for graduate study in education or for specialists (such as math teachers) to brush up in their specialty, he has found no other university that invites local math teachers to take history courses — or anything else in the catalog — tuition-free.

In the semirural region around Ithaca, where teacher salaries start at about $16,000 a year, free admission to a Cornell course that otherwise would cost about $1,000 is a strong incentive.

"I'm at an age where I pay my children's tuition, not my own," Larkin said, adding that she "never would have been able to afford" the military-history course on her own.

Tuition scholarships have brought 99 regional teachers into Cornell classrooms since the summer of 1984. They have taken 74 courses, including 15 in modern languages and linguistics, 13 in English, 10 in mathematics and seven in human development. Only seven of the 74 were in education.

**Local schools wanted access to Cornell**

Doob recalled how the Cornell program began. "In the spring of 1983, we began to see reports very critical of American education, including 'A Nation at Risk,' " she said. "One of our Nobel physicists, Roald Hoffmann, led a faculty group that wanted to do something. We initiated a series of open community meetings and learned from our mutual discussions that what the schools wanted most was access to our knowledge base."

The vehicle became the Committee on Education and the Community, and Cornell's commitment was signaled by the strong, central role played by Provost Emeritus W. Keith Kennedy. The group, half from Cornell and half from the local schools, arranged for Cornell to donate surplus research and instructional equipment, to supply a speaker list, and to arrange formal and informal ways for teachers to meet with Cornell professors in their fields.

The tuition-scholarship plan, perhaps the most elaborate access program, began with three nearby school districts and has spread to eight.

**Half-year sabbatics offered**

The superintendent of one of those districts, Donald Hickman of Newfield, has found the program so enriching that he has supported half-year sabbatic leaves for senior teachers who wanted to participate. In a district with only 67 teachers, four have completed or begun such leaves and others have taken individual courses.

"They come back with their batteries charged," Hickman said recently. "One had been at Newfield 20 years and hadn't attended a class since '71. When he came back from Cornell, he was more enthusiastic about school than I'd seen him in five or 10 years."

Sometimes the reaction is humility, Hickman said. He recalled an English teacher known for toughness, who, after struggling a little through some Cornell English courses, returned with more sympathy for the struggles of his students.

**Awed by Cornell**

In fact, awe before Cornell is not uncommon, Hickman said.

"For a lot of people in public education, it's a scary place up on the hill. It's big, brainy; it's easier not to go."

But he urges veterans of the program to talk it up with colleagues, and he hopes similar programs can be offered to teachers by major universities in other areas of the country.

The final proof of the program's worth is the teachers' enthusiasm, he noted. While graduate classes often mean higher salaries for teachers, these are undergraduate courses that are no help in raising salary levels.

"Yet they're signing up," Hickman said. "For enrichment, I suppose; for rejuvenation. They're teachers. And when they come back from these courses, they're better teachers."

*— Sam Segal*

# Seed conference set for Geneva

About 100 seed producers, seed dealers and other members of the seed industry in the Northeast are expected to attend the 1987 Cornell University Seed Conference at the Agricultural Experiment Station in Geneva Nov. 19 and 20.

The conference is designed to keep participants up to date on the newest developments in Cornell's plant breeding and seed research programs and on issues and problems facing the industry, according to the conference chairman, William D. Pardee, professor of plant breeding. The event is co-sponsored by the Departments of Plant Breeding and Horticultural Sciences.

The two-day meeting will feature presentations ranging from the outlook for the national economy and New York agriculture to the role of the New York State Department of Agriculture and Markets in the seed industry.

Robert Plane, director of the Agricultural Experiment Station, will be the featured speaker at a banquet scheduled for Nov. 19 at the Sheraton Inn in Canandaigua. He will discuss future directions of New York's fruit and vegetable industries.

Also planned are tours of the Geneva station's facilities used for seed research, germplasm (seeds for breeding) preservation and vegetable breeding programs.

Other scheduled presentations include:

- Biological seed treatments to combat soil-borne diseases.
- New methods for transferring genes for genetic engineering of crop plants.
- Progress in Cornell's breeding programs involving alfalfa, wheat and oats.
- Policies on the release of new crop varieties in New York and other states.
- Commercial feasibility of new crops such as canola, an oil crop, and lupine, a high-protein feed crop, in New York.

*— Yong H. Kim*

## Barton Blotter:

# *Fire destroys university barn*

Fire, believed accidental in origin, destroyed a 40-by-100-foot metal-clad barn owned by the university at 353 Mineah Road on Nov. 10. Nearly 100 firemen fought the fire over an eight-hour period.

Damage, which included the loss of hay, fertilizer and a combine is estimated in the area of $150,000, according to Gordon Maycumber, director of Cornell Life Safety Services. He said the fire probably was caused by an electrical malfunction, but that the exact cause may never be determined because of the extent of the damage and the movement of possible evidence in fighting the blaze.

Four vending machines were vandalized on campus, with total losses in cash and damage of $2,109, according to the morning reports of the Department of Public Safety for Nov. 9-15.

The vandalism took place at University Hall No. 6, High Rise No. 5 and University Hall No. 1, where two machines were vandalized.

In another incident, bleach deliberately poured over laundry in a fraternity house caused about $400 in damage.

Other thefts on campus included three backpacks with losses set at $417 and three wallets with losses in cash and valuables estimated at $73. Also reported stolen were a $300 computer, a $120 coat and $450 in light fixtures taken from the construction site of the Center for Performing Arts.

Five persons were referred to the judicial administrator on charges stemming from separate incidents, three for petit larceny, one for forgery and one for possession of stolen property.

# SPORTS

**Friday, 11/20**
Men's Hockey, St. Lawrence, 7:30 p.m.
Men's Polo, Connecticut, 7:30 p.m.

**Saturday-Sunday, 11/21-11/22**
Men's Jr. Varsity Hockey, Cornell Invitational
Men's Fencing, Cornell Open, 8 p.m.
Women's Fencing, Cornell Open, 8 p.m.

**Saturday, 11/21**
Men's Swimming, Pennsylvania, 1 p.m.
Men's Gymnastics, Army, 2 p.m.
Women's Swimming, Pennsylvania, 4 p.m.
Men's Hockey, Clarkson, 7:30 p.m.
Women's Polo, Connecticut, 8:15 p.m.
Varsity Football, at Princeton, 1 p.m.

**Sunday, 11/22**
Men's Jr. Varsity Basketball, Penn State-York, noon
Men's Polo, at Unadilla, 2 p.m.
Women's Hockey, at Guelph, 3 p.m.

**Tuesday, 11/24**
Men's Jr. Varsity Basketball, TC3, 7:30 p.m.

**Wednesday, 11/25**
Men's Jr. Varsity Hockey, North Country CC, 2 p.m.

**Friday, 11/27**
Men's Jr. Varisty Hockey, Niagara Jr. A Hockey Club, 3 p.m.
Women's Swimming, Army, 7 p.m.

**Saturday, 11/28**
Men's Swimming, Army, 1 p.m.
Women's Basketball, Brooklyn, 7:30 p.m.

**Sunday, 11/29**
Men's Basketball, Castleton State, 7:30 p.m.

**Monday, 11/30**
Women's Basketball, at Hartwick, 6 p.m.
Men's Hockey, U.S. International, 7:30 p.m.
Women's Hockey, at Colgate, 7:30 p.m.

**Wednesday, 12/2**
Women's Hockey, at St. Lawrence, 6 p.m.
Men's Basketball, at Canisius, 7:30 p.m.
Women's Basketball, Brockport, 7:30 p.m.
Men's Jr. Varsity Hockey, Rochester Jr. B, 7:30 p.m.

## Last week's scores

**[X-Y Overall record to date]**

**Women's Volleyball, 4th in Ivy Championships [21-12], Ivy League [7-4]**

**Varsity Football [5-4], Ivy League [4-2]**
Cornell 31, Columbia 20

**Freshman Football [3-3]**
Columbia 14, Cornell 13

**Men's Polo [5-2]**
Cornell 17, Yale 10

**Women's Polo [4-3]**
Cornell 16, Yale 3

**7Men's Hockey [2-0], [2-0 ECAC]**
Cornell 6, Army 2
Cornell 6, Princeton 4

**Men's Cross Country, 11th at IC4As/NCAA Regional II***

**Women's Cross Country, 11th at IC4As/NCAA Regional II**

* Erik Lukens qualified to go to NCAA's at Charlottesville, VA.

# *Extension appoints seven new advisers*

Lucinda A. Noble, director of Cornell Cooperative Extension, has appointed seven new members to the Advisory Council for Cornell Cooperative Extension.

The 25-member council advises the director of Cornell Cooperative Extension on program directions, priorities, finances and other matters of concern.

Appointed to three-year terms were:

- Martha I. Roberts of Scio, president of the Cooperative Extension Association of Allegany County. She also serves as vice president of the Board of Directors of the Board of Cooperative Educational Services (BOCES) for Cattaraugus, Allegany, Erie and Wyoming counties.
- Robert G. Potter of Allegany, president, Potter Lumber Co.; treasurer, Cooperative Extension Association of Cattaraugus County.
- Nancy C. Hammell of Old Chatham, chairperson, Board of Directors, Cooperative Extension Association of Columbia County.
- Nettie F. Scoon of Stanley, president, Cooperative Extension Association of Ontario County; past chairperson of the association's home economics program committee.
- Donald Feck of Oswego, a professor, State University College at Oswego; member of the executive committee, Cooperative Extension Association of Oswego County 4-H; member, Sea Grant Advisory Committee, East Lake Ontario Region.
- Nancy Lee D. Glindmyer of Scotia, member, Regional Ornamental Horticulture Advisory Committee, Cooperative Extension Association of Schenectady County.
- Gene Pierce of Dundee, president, Cooperative Extension Association of Yates County.

# Bankers to discuss development aid

Executives from the World Bank and other international banks and some of their critics will discuss the role of international banking in assisting developing nations at a panel meeting on Nov. 20 from 2 to 6 p.m. in Bache Auditorium of Malott Hall.

The panel discussion was arranged by students in the Johnson Graduate School of Management, Department of Agricultural Economics and other campus organizations. Participants will include:

- Uma Lele, chief of the special research division at the World Bank and an expert on African economy.
- Mary Houghton, representing Grameen Bank, a national development bank based in Bangladesh.
- Rafael Samper, representing the Equator Bank of Hartford, Conn., a private development bank dealing with African nations.
- Walden Bellow of Food First, a San Francisco organization that conducts research on world food policies.
- Tom E. Davis, professor of economics.
- Maureen O'Hara, associate professor of finance.

The program will be moderated by Porus D. Olpadwala, associate professor of city and regional planning.

# No Chronicle . . .

The Chronicle will not publish on Nov. 26, Thanksgiving Day. The next issue of the paper will be Dec. 3.