

Cornell CHRONICLE

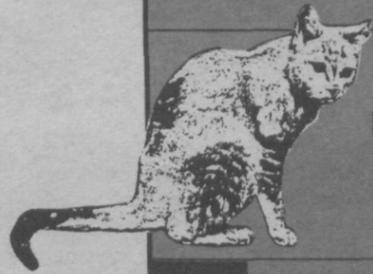
Volume 20 Number 8 October 13, 1988

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Field house
groundbreaking



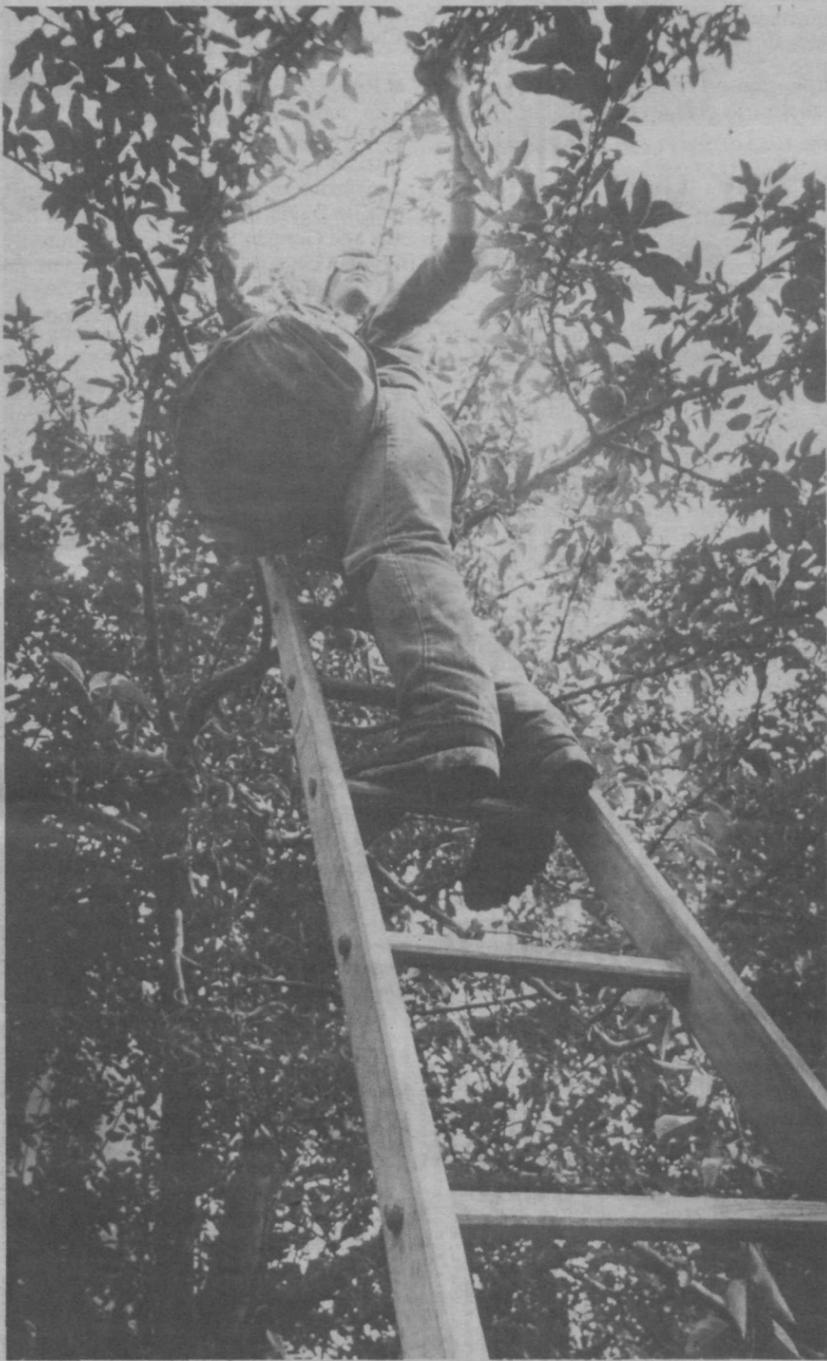
3
Preventing
'songbird
fever'



5-8

New Faces

An introduction to some of
Cornell's new faculty



Jill Peltzman

Karen Edelstein, grad '83, reaches for a ripe Red Delicious in Cornell Orchards. Apple harvesting, which began in mid-September, will finish next week with Golden Delicious, Idared, Northern Spy and Crispin varieties.

Kodak CEO to deliver Hatfield talk

Colby H. Chandler, chairman and chief executive officer of Eastman Kodak Co., will spend the day here on Oct. 20 discussing business issues with undergraduate students and speaking on the topic "America: Are We Responsible for It?" at 4:30 p.m. in the Sheila W. and Richard J. Schwartz Auditorium of Rockefeller Hall.

President Frank H.T. Rhodes invited Chandler to visit the university as this year's Robert S. Hatfield Fellow for Economic Education under a program established in 1980 by the Continental Group Foundation to honor the company's retiring chairman, Robert S. Hatfield, who graduated from Cornell in 1937.

Under the program, corporate CEOs spend the day talking with groups of students, and they also deliver the Hatfield Lecture. Hatfield led off the series in 1981.

The Hatfield Fund for Economic Education was set up "to provide opportunities for students, especially undergraduates, to gain exposure beyond the traditional classroom experience to the dynamics of today's industrial sector," a spokesman for the program said.

He added that only one other Ivy League university regularly invites corporate CEOs to spend a day with undergraduate students from different colleges.

During his visit, Chandler also will:

- Address a seminar entitled "Global Competitive Strategies," established to support educational aims of the Hatfield Fellows Program, and answer questions from the seminar's 34 students, most of whom are undergraduates.

- Speak to 52 undergraduate students



Colby H. Chandler

and answer their questions in a class on business and labor in politics taught by government Professor T.J. Pempel.

- Speak to about 50 students in an introductory course to business management taught by agricultural economics Professor Richard D. Aplin and answer questions.

William B. Streett, dean of the College of Engineering, will accompany Chandler and his wife on a tour of newly renovated facilities in Olin Hall, a project supported by Eastman Kodak.

Chandler received his engineering degree from the University of Maine, where he majored in physics. He began his career with Kodak in 1950 as an engineer, and held management positions before and after studying at the Massachusetts Institute of Technology on a Sloan Fellowship in 1962.

He was named general manager of the company's U.S. and Canadian Photographic Division in 1974, president of Kodak in 1977, and chairman and CEO in 1983.

—Albert E. Kaff

Hatfield endowment also supports undergraduate teaching initiatives

Cornell undergraduates also benefit from the Robert S. Hatfield endowment through annual funding of teaching initiatives, particularly in "those branches of applied economics that treat the problems and benefits of the free-market system," according to Larry I. Palmer, Cornell's vice president for academic programs.

For the current academic year, seven faculty proposals shared total funds of \$31,000. The successful applicants, their academic departments and a summary of their projects follow.

- David J. Allee (resource economics), James Lassoie (forest science) and Daniel Decker (natural resources): creating a course on the role of entrepreneurship in the socially acceptable development and use of natural resources.

- Bruce Anderson, Richard Aplin, Gene German, Margaret Hubbert, Edward McLaughlin and Deborah Streeter (all of agricultural economics): bringing to campus some 40 speakers, involving 13 courses, and providing informal lunches for students and guests.

- Douglas Fitchen (physics) and

Watt Webb (applied and engineering physics): arranging informal student meetings to provide undergraduates in physics and engineering a look at future business opportunities which many end up following but few receive undergraduate preparation for.

- John Muckstadt (operations research/industrial engineering): creating materials for a capstone course providing an integrated view of the economic issues that confront American companies in today's world markets.

- William Putsis (consumer economics and housing): bringing in speakers to strengthen a course on the economics of consumer policy.

- Vivienne Shue (government): developing a new course on the problems and benefits of China's recent and wide-ranging experiments with free-market reforms.

- Mary Tabacchi (hotel administration): enabling students to use software for measuring the effectiveness of wellness programs some businesses provide for their employees.

—Sam Segal

Law professor writing the first legal treatise on computer disc

The first legal treatise created for use on a computer disc will provide lawyers and corporations working in Social Security law with "a complete legal research tool superior to the print resources of a good law library," according to its author.

Professor Peter W. Martin, the former dean of the Cornell Law School is writing the treatise with the aid of a grant from the National Center for Automated Information Retrieval (NCAIR). He expects the computerized treatise to be available as early as January 1990.

Martin's "treatise and law library," as he calls it, will contain commentary by the author and all legal texts bearing on Social Security law, including statutes, agency regulations and several thousand judicial

decisions, all cross-referenced and indexed on one laser-read (CD-ROM) disc.

Thus, users of the law professor's computer-based treatise will have all necessary references at hand, and will be able to follow leads that arise in the course of research without having to consult books in their libraries or subscribe to legal report services, Martin said.

"It's a pathbreaking project," said Ronald W. Staudt, secretary of NCAIR and the project monitor. Staudt added that, as an expert on Social Security law, Martin will be able to link particular points of the law with relevant statutory provisions, agency regulations and key court decisions.

"It will be like having the top expert in

Continued on page 11

Notables

Barclay G. Jones, professor of city and regional planning, received the highest award that the U.S. Department of Interior bestows on a private citizen, its Public Service Award, on Sept. 13.

Jones was nominated by the National Park Service and was cited for his work in preserving national and cultural resources. He serves as chairman of the City of Ithaca's Landmark Preservation Commission and has consulted on restoring historic structures in the People's Republic of China, reconstruction following a 1979 earthquake in Yugoslavia, and urban consultations in Jordan, Kenya and the Soviet Union.

John H. Field, a Ph.D. candidate in computer science, won the top prize of \$2,500 in a campuswide essay contest sponsored this year by Mobil Corp.

Field's winning essay was among 65 submitted entries. The essays addressed either the subject of the decline in the nation's engineering and science work force or the lack of space for effective solid waste disposal.

The \$1,000 second prize went to Douglas W. O'Neill, a senior in civil engineering. Karen K. Varley, who received a master's degree in plant genetics in August, won the third prize of \$500.

George Casella, an associate professor of statistics in the Biometrics Unit of the Department of Plant Breeding and Biometry in the College of Agriculture and Life Sciences, was elected this year as a fellow of the American Statistical Association, a distinction limited to one-third of 1 percent of its membership. He also was elected a fellow in July of the Institute of Mathematical Statistics.

A member of the Cornell faculty since 1981, Casella received a bachelor of arts degree in 1972 from Fordham University, and a masters degree in applied statistics in 1974 and a doctorate in mathematical statistics in 1977 from Purdue University. He became director of Cornell's Statistics Center in June.

"The Transformation of American Industrial Relations" (Basic Books, 1986), by Professor of Collective Bargaining **Harry C. Katz** and two co-authors, has won the 1988 George R. Terry Book Award made annually by the Academy of Management.

The prize is given for the book that has made outstanding contributions to the advancement of knowledge in the field of management.

The other authors are Robert B. McKersie and Thomas A. Kochan, former faculty members of the School of Industrial and Labor Relations now at the Sloan School of Management at Massachusetts Institute of Technology. McKersie was dean of the ILR School from 1971 to 1979.

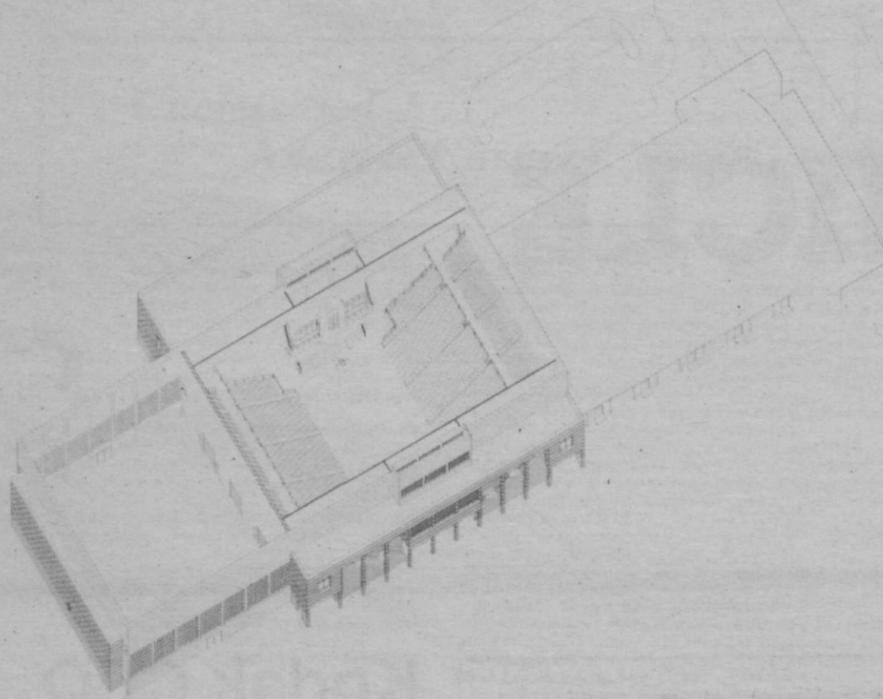
Cornell Chronicle

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It is the policy of Cornell University to support actively equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age, or handicap. The university is committed to the maintenance of affirmative action programs that will assure the continuation of such equality of opportunity.



The Alberding Field House adjacent to Lynah Rink, named for Charles Howard Alberding, Class of '32, will include three basketball courts and an all-purpose room.

Construction under way for newest athletic facility

Ground-breaking ceremonies were held on Oct. 6 for a new field house that will centralize many of the university's intercollegiate physical education and intramural athletic programs.

The building is being named for Charles Howard Alberding of Kenilworth, Ill., a member of the Class of 1923.

The modern, flexible facility, adjacent to Lynah Rink, will include a 27,000-square-foot area covered with artificial turf that will provide indoor practice space for baseball, lacrosse, soccer and field hockey teams and a playing field for intramural, recreation and physical education programs.

It also will provide a first-class home for the men's and women's basketball programs. A basketball arena with seating for 5,000 fans will feature telescoping bleachers

to allow conversion to three full-size courts for team practice, physical education classes and general recreation.

The expected completion date for the new facility is November 1989.

Alberding, a graduate of the College of Engineering, has worked in petroleum engineering, real estate development and hotel management.

A member of Cornell's Athletic Hall of Fame, Alberding played varsity soccer, baseball and basketball and earned the soccer insignia in 1920 and 1922.

President Frank H.T. Rhodes led the ground-breaking and dedication ceremony, which also included Laing Kennedy, director of athletics, and Donald Berens, a presidential councillor.

—Sam Segal

Milk products dated Oct. 15 recalled for traces of antibiotic

The Department of Food Science is recalling milk products dated Oct. 15 because traces of penicillin have been detected in the milk.

Any Cornell whole milk, skim milk, 2 percent milk, chocolate milk or cream with Oct. 15 on the container should be returned for an exchange or refund, according to William F. Anderson, senior administrator of the department.

Cornell milk products are sold in the campus Dairy Store, Entrepot in Noyes Lodge and the mini store in Noyes Student Center, as well as in campus vending machines. Milk and milk products from the Cornell dairy are not sold off campus.

Bulk milk containing the antibiotic already has been removed from dining halls and fraternities and sororities. Milk byproducts such as yogurt and ice cream that contained the affected milk were not released by the dairy and have been destroyed, said David I. Stewart, director of community relations.

The antibiotic apparently came from the milk of a cow that was being treated for mastitis, an infection of the mammary glands, Anderson said. Normally, milk

from cows under treatment for mastitis is dumped, but an error resulted in milk from the one cow being included with the rest of the milk processed at the Cornell Dairy Plant on Oct. 3 and sold or distributed beginning on Oct. 4. When records were checked, it was discovered that a preliminary test had not been performed. Traces of the penicillin were found during testing on Oct. 6 and 7, and the recall was issued.

The penicillin was in a concentration that could cause a skin rash on someone who is allergic to the antibiotic, according to Dr. Leslie Elkind, director of Cornell Health Services.

To date, Health Services has not received any reports of such a reaction, he noted. Anyone with an allergic reaction to penicillin should contact the Gannett Health Center or another doctor. Persons who do not have such an allergy have no cause for concern, Elkind said.

The university's milk supply comes from herds maintained by the College of Veterinary Medicine and the College of Agriculture and Life Sciences. The milk is processed in a central plant by the Department of Food Science.

John Heilbron to discuss physics in WWI

Science historian John L. Heilbron will deliver a lecture on physics in World War I on Oct. 19 during his visit to campus as an A.D. White Professor-at-Large.

His lecture will begin at 4:30 p.m. in the Hollis E. Cornell Auditorium of Goldwin Smith Hall. He will be at Cornell from Oct. 16 to 23.

Heilbron, professor and director of the Office for History of Science and Technology at the University of California at Berkeley, is recognized as one of the world's leading historians of science. He is

the author or co-author of 11 books and has been a visiting professor at institutions in France, Italy, Brazil and Israel.

Heilbron was named a professor-at-large in 1984.

The professors-at-large program was founded in 1965 to give the university's intellectual and creative community direct access to scholars from all parts of the world. Professors-at-large are appointed for six-year terms, during which time they periodically visit Cornell to give lectures and hold seminars.

Briefs

■ **Memorial service:** A memorial service for Isaac Rabinowitz is scheduled for Oct. 17 at 4:30 p.m. in the Chapel of Anabel Taylor Hall. Rabinowitz, an emeritus professor of biblical and Hebrew studies, died on Sept. 11. He was 79.

■ **GM Sunraycer:** Four or five advanced-design-stage General Motors Corp. cars, including the solar-powered GM Sunraycer, will be on display in tents on the Engineering Quadrangle today and tomorrow. While the other cars and GM staff will be on campus all day on both days, the Sunraycer will be here today from 1:30 to 4:30 p.m.

■ **Town and gown:** Historian Glenn Altschuler, an associate dean of the College of Arts and Sciences and biographer of Cornell's first president, Andrew D. White, will discuss the relationship through the years between Cornell and the Ithaca community on Oct. 18 at 7:30 p.m. at the First Baptist Church in downtown Ithaca.

■ **Reflections on Nazism:** A series of three film showings and lectures on the theme "Film as Memory: Cinematic Reflections on Nazism" is scheduled for Oct. 22 and 23. The series will start with an introductory talk by David Bathrick, professor of theater arts and German Studies and an authority on German cinema, on Oct. 22 at 11 a.m. in the A.D. White House. Look under Films in the upcoming Oct. 20 Chronicle Calendar for a full schedule of events.

■ **Solid waste:** The executive committee of the New York State Solid Waste Combustion Institute will meet in a public session from 10 a.m. to 1 p.m. on Oct. 19 in 201 Hollister Hall. Formed in 1987, the institute supports basic and applied research, evaluates combustion and related technologies, and assists state and local governments in managing solid waste problems.

The executive committee will vote on the institute's 1988-89 plan and will discuss research priorities, funding and eligibility. More information on the meeting may be obtained by phoning 255-5940.

■ **Maynard Holbrook Jackson**, former mayor of Atlanta and currently managing law partner of Chapman and Cutler in Atlanta, will give the keynote address at the second annual Cornell Student Leadership Development Conference on Nov. 12.

The conference will take place from 8:30 a.m. to 4:30 p.m. at the Sheraton Inn and Conference Center. Applications and a registration fee of \$10 will be accepted till Oct. 21 at the Campus Activities Center, WSH.

Obituary

Michael Peech

Michael Peech, a specialist in chemical methods of soil analysis and a member of the Cornell faculty for more than 30 years, died on Oct. 6 at his home in Ithaca. He was 79.

Peech was a faculty member from 1941 until his retirement in 1974 when he was named professor emeritus of soil science. He was the author or co-author of some 80 articles in his field and was responsible for a joint publication with the U.S. Department of Agriculture, which led to the standardization of chemical methods used in soil fertility investigations throughout the country.

In recognition of his fundamental research in soil chemistry, Peech was awarded the New York Farmers' Award for outstanding achievement in agriculture research in 1960.

Born on a wheat farm in Oakburn, Manitoba, Peech received a B.S. degree with specialization in agricultural chemistry from the University of Saskatchewan in 1930 and in 1933 was awarded a doctorate from Ohio State University.

He became a U.S. citizen in 1937 and had served as a soil chemist at the University of Idaho and at the Florida Citrus Experiment Station before coming to Cornell.

A private memorial service was held on Oct. 11 at the Bangs Funeral Home. Survivors include daughter Marjorie Peech of Ithaca and several brothers and sisters in Manitoba.

—Martin B. Stiles

Ornithologists and vets studying 'songbird fever'

An outbreak of "songbird fever" in the Northeast last spring has prompted Cornell experts to warn people who feed birds to keep feeders clean and keep cats away from birds.

The veterinarians and ornithologists plan to watch the fall migration of birds for another outbreak of the disease in cats that eat salmonella-infected birds.

More than 200 cases of the disease were recorded in cats last spring by the Cornell Feline Health Center, which surveyed some 800 veterinarians in New England, Pennsylvania, New York and New Jersey. The infection apparently spreads at crowded, unsanitary bird feeders and bird baths, according to bird and cat experts.

"Last spring's outbreak was probably due to an unusual set of circumstances: large numbers of pine siskins in the United States and warm temperatures in March and April," said Steven Sibley, extension associate at the Laboratory of Ornithology.

Pine siskins are a small type of finch that got their name from their fondness for seeds from hemlock and pine trees. A shortage of seeds in Canada last winter drove more birds than usual to the eastern United States. Here they thrived on the U.S. woodlands and the hospitality of generous humans, before migrating northward in March and April.

Salmonella typhimurium, the bacterium found last spring in dead birds and sick cats, multiplies inside animals, passes through in fecal matter and can be ingested by other animals. The disease mainly affected pine siskins, but also was reported in black-capped chickadees, evening grosbeaks, common redpolls, American goldfinches, cardinals, boat-tailed grackles, cowbirds

and house sparrows by veterinarians at Tufts University.

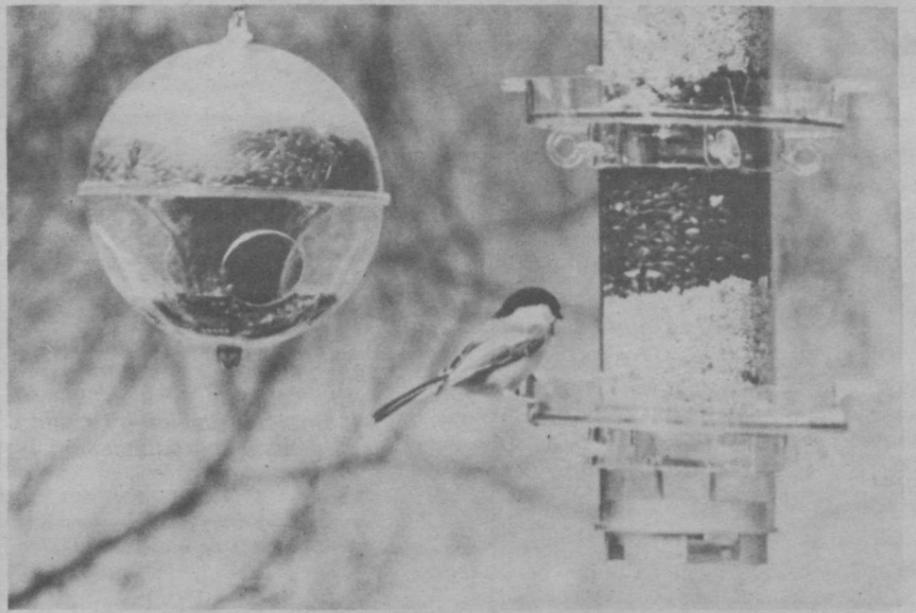
Salmonella is not unheard of in birds, particularly mourning doves, the Cornell ornithologist said. But increasing numbers of bird deaths around feeders caused public concern. Reports of up to 20 pine siskins dying around individual feeders were received from the Boston area, and progress of the disease could be traced up the Northeast's river valleys as the birds migrated north, Sibley said.

The ornithologists and veterinarians believe the salmonella infection was spread when birds ate seed and drank water that was contaminated by the droppings of other birds. Cats that ate infected birds became sick in two to five days, reported Dr. Fred W. Scott, director of the Feline Health Center in the College of Veterinary Medicine.

Veterinarians responding to the center's survey reported cats with acute depression and complete anorexia (loss of appetite), vomiting, enteritis (inflamed intestines) and high fevers. When treated with antibiotics, the disease lasted two to seven days and recovery was usually rapid, although some cats required up to three weeks to regain weight and normal eating habits. Most cats that died had other, more serious complications such as feline AIDS.

"Songbird fever can be controlled by breaking the infection cycle in birds and preventing cats from eating birds or frequenting contaminated areas around feeders," Scott advised. "Bird feeders should be thoroughly cleaned and disinfected with bleach, and bird feeding should be discontinued for the spring and summer. Cats should be confined indoors."

"It's not necessary to stop feeding birds,



Lang Elliot

Hopper-type feeders, such as this one, help prevent the spread of salmonella, according to ornithologists studying "songbird fever."

especially during fall and winter when cold temperatures help prevent the spread of disease," said the ornithologist from the laboratory that encourages cooperation between professional bird scientists and thousands of bird-watchers across the continent. Sibley said three simple steps will greatly lessen the likelihood of disease spread:

- Feeders with trays that allow birds to defecate in the seed should be replaced with cylinder or hopper feeders, where birds stand on perches and eat clean seed through openings.

- Seed should not be allowed to accumulate on the ground, where it can mix with fecal matter and be eaten.

- Feeders and bird baths should be cleaned periodically with bleach and thoroughly rinsed. In addition, bird baths should not be placed adjacent to feeders.

Unusual deaths of birds should be reported to state wildlife conservation authorities, the ornithologist said. In New York, the wildlife poisoning "hotline" number is 1-800-356-0560.

The New York State official who studies such diseases, Department of Environmental Conservation wildlife pathologist Ward Stone, said, "Salmonella in birds will be a continuing threat, virtually forever. But a few hundred cases reported among the hundreds of thousands of people who feed birds does not constitute an epidemic."

Stone agreed with the Cornell recommendations on bird-feeder sanitation. He warned that one well-meaning attempt to help feathered friends through icy winters — electrically heated birdbaths — could foster the spread of bacteria.

—Roger Segelken

New book says Nicaragua prepared to compromise

The Sandinista rulers of Nicaragua will make concessions to the United States in order to ease Washington's concern that they pose a military threat in Central America, according to a new book by Dennis Gilbert, a sociologist who specializes in Nicaragua.

Gilbert also argues in his book that the Sandinistas know that they cannot depend on the Soviet Union to repair their backward economy.

He urges the new administration in Washington "to seek an understanding with Nicaragua."

Gilbert, who teaches Central American studies here and at Hamilton College, visited Nicaragua several times between 1982 and 1986 to interview Sandinistas, opposition politicians, businessmen, journalists, farmers, religious leaders, shantytown residents, peasants and diplomats.

His book, "Sandinistas: The Party and

the Revolution" (Basil Blackwell), was written for the general reader who is not familiar with Nicaragua or the Marxist background of the Sandinista movement.

Despite all that has been written about Nicaragua, he contends that journalists, academics and U.S. foreign policy officials know "remarkably little" about the Sandinista rulers, and he undertakes to explain the revolutionary movement.

"The Sandinistas will, as in the past, be prepared to make concessions to American security concerns, but unlikely to make domestic political concessions in negotiations with the United States," Gilbert writes.

He asserts that Nicaragua's firm political stand may inhibit Washington's cooperation because "there is little in the history of relations between the two states to suggest that the United States might allow Nicaraguans to determine their own national destiny."

U.S. hostility will injure Nicaragua, he

argues: "Continuing hostility from the United States, expressed in the maintenance of trade and credit sanctions, if not more violently, could retard economic recovery and exacerbate domestic political tensions."

Gilbert sees the Sandinista party as a revolutionary vanguard based on the ideas of Lenin, "who conceived of an elite party of professional revolutionaries capable of guiding a politically immature people through a process of radical social transformation."

Gilbert says the Sandinistas overthrew the "anachronistic family dictatorship" of the Somozas to solve Nicaragua's economic backwardness and political stagnation.

According to the book, "The last decades of the old regime saw rapid economic growth, absurdly combined with spreading malnutrition, landlessness and unemployment. . . . Behind the Somozas lay the power of the United States."

The author contends that the Sandinistas have shed some ideological beliefs of the Soviet communists. "The Sandinistas learned from experience that Christians can be good revolutionaries, that state farms are problematic, and that the commerce of thousands of small grain producers cannot be controlled by the state," he writes.

In another section, Gilbert continues: "The Sandinistas will not escape the economic dilemmas they face by turning East. The Soviets show little interest in increasing the current level of aid. Further economic integration with Eastern Europe seems equally improbable. The proportion of exports destined for the Soviet bloc has been declining. Full membership in the Soviet economic community would assume rapid socialization of the Nicaraguan economy, a step most Sandinista leaders know to be unworkable."

—Albert E. Kaff

Lipsky reorganizes ILR School; Levy and Herson promoted

Dean David B. Lipsky is adding two positions at the School of Industrial and Labor Relations as part of a reorganization.

Jonathon D. Levy was promoted to assistant dean for administration from assistant dean for school relations, and Thomas Herson was promoted to director of finance from assistant budget administrator.

"Our field is changing rapidly, and the school must be flexible and strong if we are to respond to the changing needs of the workplace," said Lipsky, who was appointed on July 1.

"We are entering a challenging time for the school, one which requires a team effort to manage the budgetary, planning and institutional considerations," Lipsky said. He added that his major goals are "to develop a master plan for the school, enhance relationships with Albany and Washington, increase the number of faculty lines, and improve dialogue among the faculty and practitioners and alumni.

"We will do whatever we need to do to remain internationally pre-eminent," Lipsky continued. "In a field that is as dynamic as ours is, we simply cannot afford to stand on our laurels."

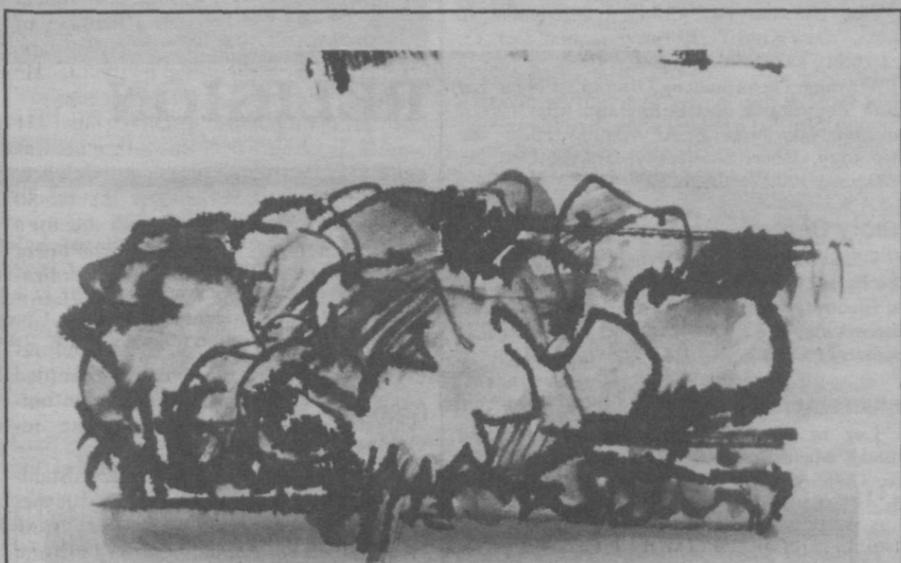
Levy joined the Cornell administration

in 1978 after working in organization management, public relations and journalism. He will work with Lipsky in developing a long-range institutional and capital plan, and will coordinate internal and external affairs of the dean's office and several administrative divisions, including facilities, computing, career services, human resources and administrative services.

Herson has been on the Cornell staff for 26 years and with the ILR School since 1968. He worked earlier for International Business Machines Corp. and the New York State Electric and Gas Co.

The ILR School also will appoint a director of human resources and administrative services and a new director of college relations to replace Levy.

—Albert E. Kaff



Helen Kelley

BORDEN-KAHN: "Trees" (1979), a watercolor painting by H. Peter Kahn, emeritus professor of the history of art, is featured on the cover of a new compact disc recording by David Borden, director of Cornell's Digital Music Program.

Borden's last release, an LP entitled "Migrations," features a painting by Michael Boyd, professor of design and environmental analysis.

Borden's latest work, the first of three CDs of his 12-part composition, "The Continuing Story of Counterpoint," includes parts nine through 12 of The Continuing Story. It will be released on Oct. 15. Rebob Records at 409 College Ave. is giving a pre-release party on Oct. 14 from 5 to 7 p.m.

Recycle this paper!

And please recycle computer print-out, newsprint, colored paper and white paper.

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, Ithaca, NY 14850.

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

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

DANCE

Cornell Folkdancers

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

Oct. 16, Memorial Room, Willard Straight Hall, instruction from 7-8 p.m.; requests from 8-9:45 p.m. For more information, call Wies van Leuken: 257-3156.

Israeli Folkdancing

Israeli folkdancing, Oct. 13, 8:30 p.m., Edwards Room, Anabel Taylor Hall.

EXHIBITS

Johnson Art Museum

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

"Sculptures and Pastels by Clara Seley," an exhibition of approximately 20 sculptures and 20 pastels created during the past 20 years, through Nov. 13.

Humorous drawings based on the Johnson Museum's architecture by Gerar Edizel, an art history doctoral candidate specializing in modern art. Among his interpretations are "Limp Museum," after Salvador Dali, "Rubbery Museum," an homage to Thomas Hart Benton and "Museum Without Rooms," after Richard Serra, through Oct. 30.

"Art Faculty Exhibition" featuring works by current and emeritus professors in the art department, including Roberto Bertoia, Stanley J. Bowman, Zevi Blum, Victor Colby, James Cole, Norman Daly, Kenneth Evett, Miriam Hitchcock, John Hartell, Victor Kord, Jean N. Locey, Elisabeth H. Meyer, Eleanore Mikus, Gregory Page, Barry Perlus, Stephen F. Poleskie, Arnold Singer, Kay WalkingStick, Jack L. Squier, and W. Stanley Taft, on view through Nov. 12.

A box lunch tour of the show will be given today beginning at noon. The tour is free and begins in the museum's lobby. Preregistration is not required.

"Media Buff.: Media Art of Buffalo, N.Y.," the eighth part in a series of exhibits by York State artists, is devoted to contemporary video and films from Buffalo, N.Y. It was organized by Richard Herskowitz, adjunct curator of film and video at the Johnson Museum, and will be on view through Nov. 12.

"Women Makes Movies," a four-day series of film screenings and discussions with guest artists from the distribution company Women Make Movies, Oct. 17-20. See the daily listings under Films for details.

Mann Library

Rare books on the history of lace and techniques of lace making, lace from private collections, photographs and memorabilia prepared by the Finger Lakes Lace Guild are on display in the lobby of Mann Library through Oct. 21.

FILMS

Cornell Cinema is accepting co-sponsorship applications for the spring semester. Applications are available in 525 Willard Straight Hall or by calling 255-3522. Deadline for submission is Oct. 20.

Films sponsored by Cornell Cinema unless otherwise noted. An (*) means an admission charge.

Thursday, 10/13

"Kalakshetra," South Asia Program, L-04 Uris Library, 5 p.m.

"Man Facing Southeast" (1986), directed by Eliseo Sublela, with Lorenzo Quinteros, Hugo Soto and Ines Vemengo, sponsored by CUSLAR, 8 p.m., Anabel Taylor.

"Sherlock Jr." (1924), directed by Buster Keaton and Jack G. Blystone, with Buster Keaton, Kathryn Maguire and Joe Keaton, sponsored by Pentangle, 8 p.m., Uris.

Friday, 10/14

"The Grand Highway" (1987), directed by Jean-Loup Hubert, with Anemone, Richard Bohringer and Antoine Hubert, 6:45 p.m., Uris.*

"The Blob" (1958), directed by Irwin Yeaworth, with Steve McQueen, Aneta Corseaut and Olin Howlin, 8 p.m., Anabel Taylor.*

"Big" 1988, directed by Penny Marshall, with Tom Hanks, Robert Loggia and Elizabeth Perkins, 9:15 p.m., Uris.*

"Quadrophenia" (1979), directed by Franc Roddam, with Sting, Phil Daniels and Mark Wingett, with music by The Who, midnight, Uris.*

Saturday, 10/15

"Tokyo Pop" (1988), directed by Fran Rubel Kuzui, with Carrie Hamilton and Yutaka Tadokoro, 6:45 p.m., Uris.*

"Creature From The Black Lagoon" (1954), directed by Jack Arnold, with Richard Carlson, Julia Adams and Richard Denning, 8 p.m., Anabel Taylor.*

"Big," 9:15 p.m., Uris.*

"Quadrophenia," midnight, Uris.*

Sunday, 10/16

"The Waterfront Show," presented by Julie Zando and Armin Heurich, 2 p.m., Johnson Museum.

"The Grand Highway," 4:30 p.m., Uris.*

"Another Thin Man" (1939), directed by W.S. Van Dyke II, with William Powell, Myrna Loy, Virginia Grey and Otto Kruger, 8 p.m., Uris.*

Monday, 10/17

"New Video Works," presented by Debra Zimmerman, co-sponsored by CCPA, 4 p.m., Johnson Museum lecture room. Three videotapes will be shown: "Trick or Drink" (1985), by Vana-Lyn Green; "Out of the Mouths of Babes" (1988), by Sherry Milner; "Consider Anything, Just Don't Cry" (1988), by Helen De Michiel.

"One Way or Another" (1979), directed by Sara Gomez, sponsored by CUSLAR, 8 p.m., Uris.*

Tuesday, 10/18

"Storme: Lady of the Jewel Box" (1987), directed by Michelle Parkerson and presented by her, 4 p.m., Johnson Museum lecture room.

"Too Outrageous!" (1987), directed by Dick Benner, with Craig Russell and Hollis McLaren, 8 p.m., Uris.*

"Vietnam: When Night Comes" 1987, and "Kim Phuc" (1984), sponsored by Southeast Asia Film Series, Oct. 18, 4:30 p.m., 310 Uris Library.

Wednesday, 10/19

"Damned If You Don't" (1987), directed by Su Freidrich and presented by her, with Peggy Healy and Ela Troyano, 4 p.m., Johnson Museum lecture room.

"Year of the Dragon" (1985), directed by Michael Cimino, with Mickey Rourke, Arianne and Jon Lone, 8 p.m., Uris.*

Thursday, 10/20

"Naked Spaces: Living is Round" (1985), directed by Trinh Minh-ha and presented by her, 7:30 p.m., Uris. This is the last program in the series, "Women Makes Movies."

"Cave Temples of India: Buddhist"; "Cave Temples of India: Hindu"; "Jain Temples of India," South Asia Program, L04 Uris Library, 5 p.m.

LECTURES

Africana Studies & Research Center

"Beyond the Black Family: A Look into the 21st Century," Robert Staples, visiting scholar, sociology, University of California, San Francisco, Oct. 18, 4:30 p.m., Hoyt W. Fuller Room, Africana Center.

Andrew D. White Professors-at-Large

"Physics in World War I," John Heilbron, Historian of Science, University of California, Berkeley and A.D. White Professor-at-Large, Oct. 19, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

Baker Lectures

"Enzymes: Stereochemistry and Mechanism," Jeremy Knowles, chemistry, Harvard University, Oct. 20, 11:15 a.m., 200 Baker Laboratory.

Biology & Society

"Constructing the Image of the Person with AIDS: Sexuality, Race, Gender," S.L. Gilman, Cornell, Oct. 17, 4:15 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Classics

"On Reading Servius," Peter K. Marshall, Amherst College, Oct. 13, 4:30 p.m., 134 Goldwin Smith Hall.

Einaudi Lectures

"The Italian Economy Adjusting to 1992," Patrizio Bianchi, University of Bologna, Oct. 19, 4:30 p.m., G08 Uris Hall.

Food and Nutrition Policy

"Agricultural Market Liberalization and Its Implications for Nutrition in Malawi," Daniel Sisler, agricultural economics, Oct. 18, 2 p.m., 166 Martha Van Rensselaer Hall.

Hatfield Fellows Program in Economic Education

"America: Are We Responsible for It?" Colby H. Chandler, chairman and chief executive officer, Eastman Kodak, Oct. 20, 4:30 p.m., The Shelia W. and Richard J. Schwartz Auditorium, Rockefeller Hall.

Messenger Lectures

"Zinc - A Link in the Transcription of the Genetic Message," the last in a series of lectures by Bert L. Vallee, Center for Biomedical and Biophysical Sciences and Medicine, Harvard Medical School, Oct. 14, 4:30 p.m., 200 Baker.

Near Eastern Studies

"Jewish American Poets in the Wasteland," Barbara Gitenstein, English, SUNY Oswego, co-sponsored by Jewish Studies Program, Oct. 13, 4:30 p.m., 374 Rockefeller Hall.

Society for the Humanities

"Recent Developments in Feminist Theory: 'Women's Oppression Today' Reconsidered," Michele Barrett, senior fellow, Society for the Humanities, The City University, London, Oct. 19, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Southeast Asia Program

"The Dobama Anti-Colonial Movement in Burma," Daw Khin Yi, Burmese scholar, Oct. 13, 12:20 p.m., 102 West Ave. Ext.

"Wayang Performances Offered to Nyai Lar Kidul: Yogyakarta, Just Before and After 1965," Naruhisa Nakashima, SEAP visiting fellow, anthropology, Hosei University, Tokyo, Oct. 20, 12:20 p.m., 102 West Ave. Ext.

Theory Center

"Computational Fluid Dynamics on a Hypercube Parallel Computer," Mark E. Braaten, General Electric, Research and Development Center, Schenectady, N.Y., Oct. 19, 1:30 p.m., 200 ILR Conference Center.

University Lectures

"Lay in the Soft Grass: Wordsworth and Pound," Massimo Bacigalupo, American literature, University of Udine, Italy, Oct. 18, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

"Provincial Stalinism: Scenes from the Great Purge of 1937," Sheila Fitzpatrick, the Oliver H. Radkey Regents' Professor of History, University of Texas, Austin, Oct. 20, 4:30 p.m., 215 Ives Hall.

Women's Studies Program

"Juliet Mitchell & The 'Human' Sciences," Jane Gallop, Rice University, Oct. 17, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

MUSIC

Department of Music

Accordo Perfetto, Ithaca-based piano quartet of Linda Case, violin, Philip Clark, viola, Lynden Cranham, cello, and Marion Covert, piano, will perform Oct. 16, 4 p.m. in Barnes Hall. The ensemble will play "Piano Trio in G Major Hob. XV, 25" by Joseph Haydn; "Six Shakespearian Sketches," by Gordon Jacob; and "Piano Quartet in E-flat Major, Op. 47," by Robert Schumann.

Soprano Marion Hanson and harpsichordist Alan Giambattista will give a recital, Oct. 18, 8:15 p.m. in Barnes Hall. Vocal works will include Purcell's "In Rosy Bowers," "Lovely Albina," "Since From My dear" and "Sweeter than Roses" and Handel's cantata for soprano and continuo, "Lucretia." Giambattista will play two solo pieces, "Ordis" by Couperin and a partita by J.S. Bach.

Violinist Michael Greenberg and pianist Alan Giambattista will perform works by Beethoven, J.S. Bach, Novacek and Mendelssohn, Oct. 19, 8:15 p.m. in Barnes Hall.

Tenor Paul Sperry and pianists Steven Heyman and Robert Kopelson will perform Schumann's "Liederkreis" and Bolcolm's "Open House," Oct. 21, 8:15 p.m. in Barnes Hall.

Bound for Glory

John Gorka, New Jersey musician, will play three live sets in the Commons Coffeehouse, 8:30, 9:30 and 11:30 p.m. on Oct. 16. Bound for Glory can be heard from 8 to 11 p.m. on WVBR-FM93.

Indian Students Association

Indian classical music recital, Oct. 14, 7:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall. M.S. Gopalakrishnan, violin, will be accompanied by Guruvayur Dorai on the Mridangam. Tickets are \$4. For reservations and more information, call 257-8438 or 253-1531.

READINGS

Novelist Edward Hower will give a reading on Oct. 13, 4 p.m., Temple of Zeus, Goldwin Smith Hall. Hower is the author of two novels, "The New Life Hotel" and "Wolf Tickets," and fiction that has appeared in Atlantic Monthly, Transatlantic Review, Epoch and Cornell Review. He has taught in the Emphasis on Writing Program here and currently teaches creative writing in the English department.

Mexican novelist Carlos Fuentes will give a reading from work in progress, today at 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

RELIGION

Sage Chapel

James B. Maas, chairman of the psychology department, will deliver the sermon at Sage Chapel on Oct. 16. Services begin at 11 a.m. Music will be provided by the Sage Chapel choir, under the direction of Donald R.M. Paterston.

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., Anabel Taylor Founders Room.

Episcopal (Anglican)

Every Sunday, 5 p.m., Anabel Taylor Chapel.

New faces among the faculty

Every year, new faculty members arrive, and for the past two years the Cornell Chronicle has introduced some of them in an annual New Faces section. Here again is a selection of new professors who have joined the faculty.

So far this year, Cornell's schools, colleges and programs in Ithaca have hired 63 new tenure-track faculty; but this should not be mistaken for the number of new appointments this year.

Some colleges have not yet made all their offers; some have made offers and await replies. Although many professors arrive at the beginning of the fall semester, professors are hired throughout the year. In some cases, too, paperwork on new faculty hasn't been completed, so they have not been counted yet. By the end of June, the number of new faculty should be close to 100.

Steven Robertson, Human Development and Family Studies

The opportunity to interact with graduate students helped attract Steven Robertson back to Cornell as an associate professor of human development and family studies in the College of Human Ecology.

Robertson received a Ph.D. in developmental and physiological psychology and in psychopathology from Cornell in 1977 and then spent the next 11 years in the Department of Pediatrics at the Case Western Reserve University School of Medicine in Cleveland. In 1986, he became director of research in the Behavioral Pediatrics Fellowship Training Program in the pediatrics department at Case.

"There were a lot of advantages to a medical setting, including collaboration with physicians, excellent research facilities," said Robertson, whose research focuses on cyclical behaviors by fetuses and infants. "But it was time for a change."

He explained that he was one of 90 faculty members in the pediatrics department at Case. Most of his colleagues were medical doctors, and his students were preparing for medical careers. At Cornell, he is looking forward to teaching courses on infant development to undergraduates and to graduate students who are working toward master's and doctorate degrees, Robertson said.

"There is an interaction between faculty and graduate students that stimulates research," he explained. "Graduate students are bright, energetic people; it's fun to work with them."

Robertson conducts research into the spontaneous body movements of fetuses and infants, including the movement of limbs and head.

To the casual observer, these spontaneous movements by infants seem to be random, Robertson said. But they actually occur in waves that range from one to five minutes apart, depending on the particular fetus and infant, he said. The cyclical organization of movements begins sometime before the 21st week of gestation, Robertson added.

In addition, the waves of spontaneous movements occur at basically "the same intervals before and after birth, he said. In fact, the spontaneous movements of a newborn during a state of active sleep occur at a frequency virtually the same as the spontaneous movements of that infant during its last month or two before birth, he said.

Preliminary studies — including collaboration with William Smotherman at the State University of New York at Binghamton, who studies the spontaneous movements of rat fetuses — show that these movements cannot be traced to a precise component or clock in the nervous system, Robertson said. Instead, the movements may be caused by non-linear interactions among parts of the nervous system.

Robertson will be using a National Institutes of Health grant for a longitudinal study to determine if cyclical movements gradually stop during an infant's first few months of life, or if they become absorbed into other behavior. He also will be exploring whether these movements have any functional value, such as providing for the development of bone, muscle, joints and synapses that may benefit from alternating periods of activity and rest, or perhaps regulating interactions with the physical and social environment.

Robertson and his wife, Martha, a certified teacher, have two children, Adam, 8, and Jessica, 4.

Robertson holds a bachelor's degree from Brown University (1970) and a doctorate from Cornell (1977).

—Mark Eyerly

In the College of Agriculture and Life Sciences, for instance, Associate Dean Kenneth Wing knows of five people who have accepted offers but haven't arrived yet, and he believes three more will accept offers soon. So, while the college has nine new faculty now, Wing expects to have 17 by year's end.

Since July 1, the College of Arts and Sciences has added 20 tenure-track professors; the College of Engineering, 10; Agriculture and Life Sciences, nine; Architecture, Art and Planning, six; Human Ecology and Veterinary Medicine, five each; Hotel Administration and the School of Industrial and Labor Relations, three each; the Johnson School, two; the Medical College, at least two and maybe more. The Law School has not added any.



Kay WalkingStick

Kay WalkingStick, Art

"I was proud of that name, I loved that name!" said Kay WalkingStick, assistant professor of art, daughter of a Cherokee father, who otherwise might be Mrs. Kay W. Echols, using the surname of the senior editor of Consumer Reports who is her spouse.

"I was raised to think of myself as an Indian," WalkingStick recalled. "It was very important to my mother, who was a white woman, that I be proud of the fact that I am an Indian."

She is also proud of her work, which has received multiple awards, including the Visual Artist Fellowship of the National Endowment for the Arts. Her paintings hang in museums from Jerusalem to LaJolla, as well as in Cornell's Herbert F. Johnson Museum of Art.

She was educated at Beaver College in Glenside, Pa., where she earned a bachelor of fine arts degree, and at Pratt Institute in Brooklyn, N.Y., where she earned a master's degree.

WalkingStick's art mainly takes the form of diptychs, one part a landscape, representational, painted in oils, the second half abstract, using acrylic and wax.

"I see my work as very energetic," she said. "I see my work as dealing with primal ideas, with the inherent spirituality of nature, of landscape, of the importance of our earth. Both parts of the painting deal with it in slightly different ways."

The 20th century artists that WalkingStick likes include Mark Rothko, Pablo Picasso and Frank Stella. "These artists, over long careers, were courageous enough and hard-working enough to keep changing, keep growing, and take risks — and sometimes make mistakes, too," WalkingStick said.

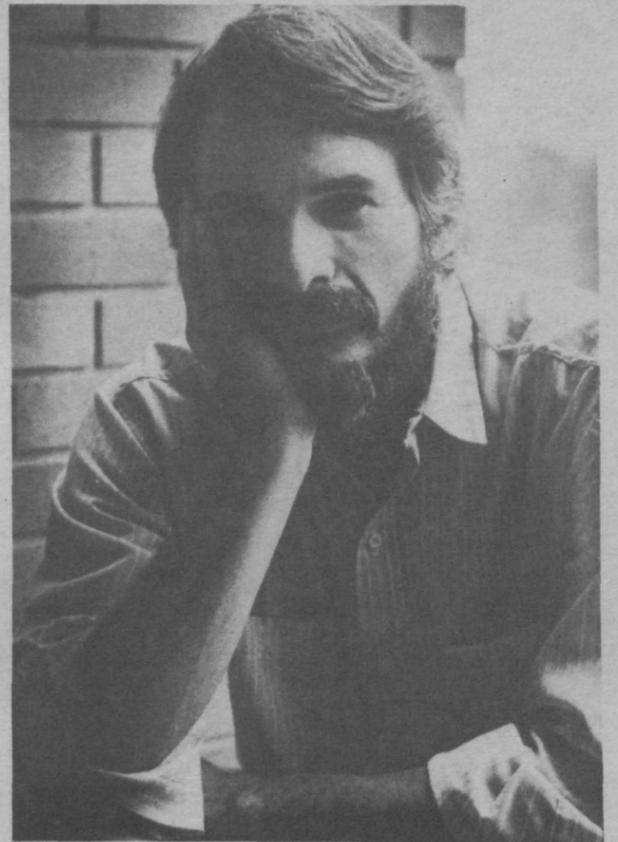
But she was in Italy this summer, admiring the works of Giotto in Ravenna.

WalkingStick has taught before, and said of Cornell: "It's a pleasure to teach such gifted students. They are exceptional. Usually in a classroom you have 20 kids plus two who are gifted, and here you have 22 who are gifted. Even the engineering majors — it knocks your socks off!"

—Irv Chapman

Photographs by Jill Peltzman

With the exception of those of Kay WalkingStick, Hugh Robertson and Alice Isen



Steven Robertson



Steven Slack

Steven Slack, Plant Pathology

Before he joined Cornell this fall as the Henry and Mildred Uihlein Professor of Plant Pathology, Steven A. Slack was a full professor at the University of Wisconsin at Madison, specializing in potato pathology, especially virus diseases affecting potatoes.

Slack says he loves Wisconsin. "It's a beautiful state, but upstate New York is beautiful too. The two areas really remind me of each other," he said. He knows the weather in the Ithaca area somewhat because he was a visiting professor at Cornell during the fall of 1983.

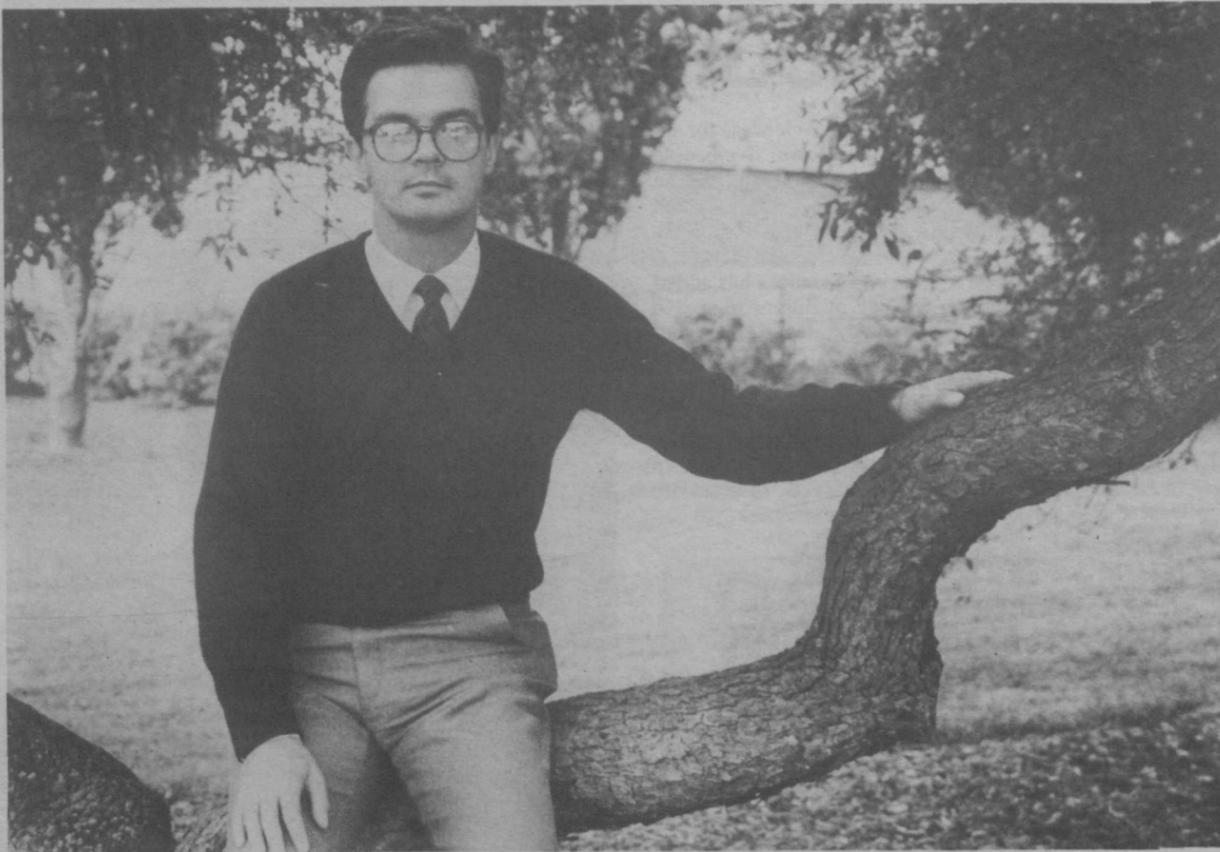
One strong inducement for the move to Cornell was the endowed professorship created last year with a \$1.5 million contribution from Henry Uihlein II and his wife, Mildred, of Lake Placid. Income from the endowment provides support for research essential to the growth of the \$60 million potato industry in New York State, which ranks eighth nationally in potato production.

Slack is an authority on plant virology and an expert in potato seed certification, a program designed to provide disease-free seed stocks to growers.

He is responsible for the operation of Cornell's 317-acre potato research farm at Lake Placid as well as a modern tissue-culture facility known as the Henry Uihlein II Laboratory on the farm, where basic seed stocks are grown for the state's potato seed industry.

A native of Logan, Utah, Slack holds B.S. and M.S. degrees in plant pathology from the University of Arkansas and his Ph.D. from the University of California at Davis.

—Yong H. Kim



Jan de Roos

Jan de Roos, Properties Management

Jan A. de Roos has lived out of a suitcase for the past several years. A project manager for Mariner Hotel Corp. of Houston, he was involved last year in construction of three new hotels from coast to coast: Miami, Austin, Tex., and Seattle.

"One thing I like about joining the Cornell faculty is that I am able to stay at home more and enjoy time with my children," he said.

De Roos is a new assistant professor in the School of Hotel Administration, where he teaches property management. He conducts undergraduate seminars on restaurant development and property management in the hospitality industry.

In addition to "dabbling with computers," de Roos spends his spare time by taking his two daughters, 5 and 3 years old, on nature walks. "They are not so impressed with the beauty of rocks, but they enjoy small things like caterpillars, bugs and little flowers," de Roos said.

De Roos discusses the problems of hotel development in the August issue of "The Cornell Hotel and Restaurant Administration Quarterly." He wrote that 20 years ago a hotel could be built "on almost any site and make money." Today's competition requires more careful planning, "but it's still possible to make money developing hotels," he wrote.

He was born in Binghamton 33 years ago, and he received B.S. and M.S. degrees from Cornell's Hotel School. He served as assistant chief engineer in the New York Sheraton in 1980 and 1981 and then worked for Mariner Hotel Corp., a firm that develops hotel properties, until returning to Cornell this year.

—Albert E. Kaff



Janet Sniezek

Janet Sniezek, Organizational Behavior

Janet A. Sniezek joined the faculty of the School of Industrial and Labor Relations from the University of Illinois, where she held faculty appointments in the Departments of Psychology and of Business Administration.

Her current research centers on group performance in decision making: "Assignment of problems or tasks to a work group rather than to an individual is becoming increasingly more important in the business world. When more people are involved, there is a potential for a better decision to be reached, and a decision that will receive greater support."

This potential, however, is not always reached, she added. In her research, she said that she has obtained higher levels of group judgment accuracy than have other researchers. This work has led to development of the Sniezek and Henry Weighting Scheme model of group judgment, which she currently is testing in a study of market forecasting by groups of managers in a Fortune 500 company.

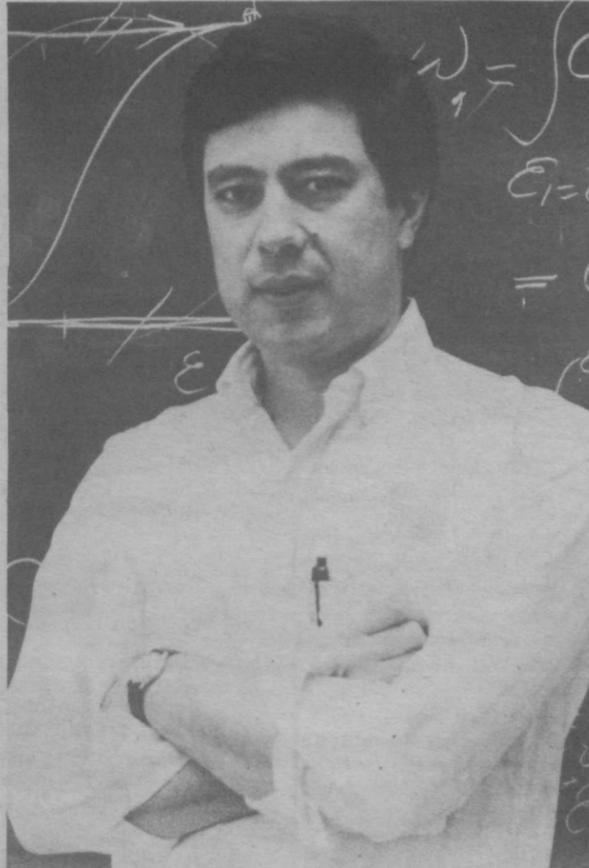
As an assistant professor of organizational behavior, Sniezek is working with graduate students in organizational behavior and teaching negotiation, motivation and organizational decision making. Also, she is associated with the new Center for Behavioral and Economic Decision Research.

A morning jogger, Sniezek enjoys traveling to conferences and presenting her research to international audiences.

Sniezek received a B.S. in psychology and mathematics at Bowling Green State University in 1972 and a Ph.D. in psychology at Purdue University in 1977.

She is no stranger to Ithaca, serving as an assistant professor of psychology at Ithaca College from 1982 to 1984 and a visiting assistant professor of organizational behavior in the Johnson School from 1984 to 1986.

—Albert E. Kaff



Guillermo Weber

Guillermo Weber, Mechanical and Aerospace Engineering

Physicist Guillermo Weber enjoyed the applied engineering research he did for the Argentine Navy from 1978 to 1982, covering everything from designing and building an all-terrain vehicle to improving the cable system for arresting landing aircraft on carriers.

So, when he went to the Massachusetts Institute of Technology in 1982 to earn a Ph.D. in mechanical engineering, he continued to look for applied studies. He developed equations that describe how materials deform in manufacturing and that can be used to improve hot-working of metals, polymer processing and compacting of metal and ceramic powders.

When he sought a faculty position, he chose Cornell because, as he put it, "In this part of the country, besides M.I.T., there is Cornell," when it comes to top engineering schools.

Weber said he was attracted by the applied research emphasis of the Sibley School of Mechanical and Aerospace Engineering, and that he is looking forward in particular to working with Associate Professor Paul Dawson, also an expert in mathematical modelling of heating and deformation processes.

He hopes to continue his work in deformation processes in association with industry and national laboratories to improve manufacturing processes.

As he continues to settle in here in Ithaca, Weber is concentrating on his research, although he is considering taking up skiing during the winters. "I'll try, but I don't know if I can do it," he said with some trepidation.

—Dennis Meredith



Alice Isen

Alice Isen, Marketing

In her high school yearbook, Alice M. Isen is described as a student whose primary interest was psychology, and today she is a psychologist. But she won a Phi Beta Kappa key as an undergraduate majoring in Russian language and literature at the University of Pennsylvania.

"I was in the School of Education, and I wanted to major in a subject that high school students would take as an elective rather than as a required course," she said.

"I was attracted to Russian by its strange-looking alphabet. I found it to be an interesting and logical language. I've always been interested in psychology, but I couldn't major in psychology in the School of Education."

Instead of teaching high-school Russian, Isen went on to earn a M.A. and Ph.D. in clinical and social-personality psychology at Stanford University.

Isen came to Cornell this summer to become the first Samuel Curtis Johnson Professor of Marketing in the Johnson Graduate School of Management and a professor of psychology in the College of Arts and Sciences after 16 years as a professor of psychology at the University of Maryland.

She has done research in decision making under a grant from the National Science Foundation and on risk taking, creativity and problem solving under grants from the National Institute of Mental Health. Her *curriculum vitae* includes seven pages listing books and papers she has published on a wide range of psychological problems with such catchy subtitles as "Cookies and Kindness," "When a Thousand Words May Be Too Much," "When You Accentuate the Positive, Do You Eliminate the Negative?" and "The Person With a Large Canoe Has a Large Worry."

—Albert E. Kaff



Hugh Robertson

Hugh Robertson, Biochemistry

A Rockefeller University geneticist whose research into a novel class of disease agents called viroids has led to work with Cornell scientists first in Ithaca and more recently at the Medical College has joined the biochemistry department at the medical college.

For more than a dozen years, Hugh D. Robertson, 45, has been investigating plant viroids — fragments of RNA much smaller than viruses.

With the discovery two years ago that delta hepatitis — a human disease — is caused by an agent containing a viroid-like RNA molecule, he began working with colleagues at Cornell on the other side of 68th Street in Manhattan.

"Here we were doing basic research into RNA and RNA-level disease agents and collaborating with [Professor Milton] Zaitlin and others in plant pathology [in Ithaca], only to find that we were going to be able to do medically-oriented work as well," Robertson said.

His lab is one of only four or five in the world working on the replication of viroid-like disease agents in both human cells and plants, he said. Four or five co-workers plus grant-supported projects and equipment will move across the street with him.

The move should not affect a recently created, NIH-supported Rockefeller-Cornell Center studying the "Biological Correlates of Drug Abuse," of which he and Cornell pharmacologist Charles Inturrisi are part. The seven principal investigators of the center will continue as before, with Robertson leading an investigation of delta agent RNA which has spread — like the HIV virus that causes AIDS — to more than half of the 300,000 to 400,000 intravenous drug abusers in New York City.

But the move to Cornell, which becomes official on Nov. 1, offers Robertson his first chance to teach on a big scale. Since the beginning of the semester, he has been one of the dozen or so faculty who teach biochemistry to medical and graduate students.

Outside the lab, Robertson, along with his wife Janet, sings with the Canterbury Choral Society, and they and their two sons — Andrew, 17, and Michael, 8 — like to hike in the Berkshires, where they have a summer house.

—Carole Stone

Jose Piedra, Romance Studies

"I might be pale of skin but not necessarily of soul," said Jose Piedra. "In Latin America, no one would think of boasting of being racially pure."

Born and educated through high school in Cuba, Piedra came to the United States with his family in 1960, after his father was acquitted of charges as an enemy of the people. He is a new assistant professor in the Department of Romance Studies in the College of Arts and Sciences who studies African-Latin American culture. He joins Cornell from Yale, where he taught since 1983.

Piedra's current research focuses on Afro-Hispanics who have been and continue to be integrated or assimilated into Hispanic culture to such an extent that they are considered Hispanic, not black. Piedra also studies the contributions that African heritage has made to Latin American culture.

"There are notions that we think are Latin American that really are African," Piedra said during an interview. Spanish-language dictionaries list the origins of many Spanish words as being "unknown."

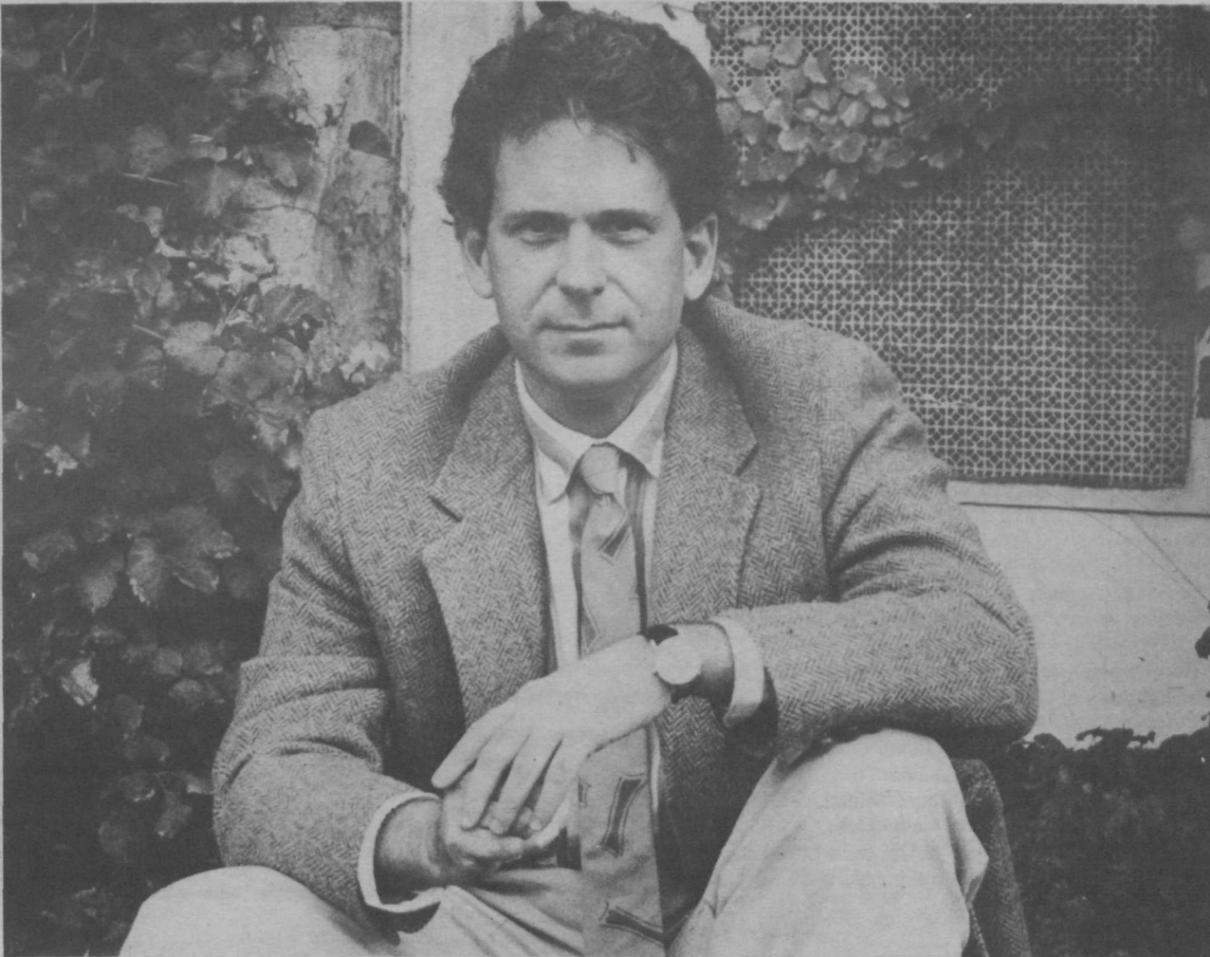
In fact, those words often have African roots that date from the Islamic invasions of Spain in the 11th century that brought sub-Saharan Africans to influential roles in Spain.

Even today, Piedra added, "There are problems of race in Latin America only when you're black and you're poor."

In addition to his scholarly activities, Piedra is a painter of some note, with his works appearing in group exhibits and being sold in several countries. Piedra interrupted his scholarly activities for seven years to concentrate on his paintings and to serve as a museum curator.

Piedra holds bachelor's and master's degrees from Indiana University and a doctorate from Yale.

—Mark Eyerly



Jose Piedra



Miriam Leeser

Andrew Yen, Veterinary Pathology

Andrew Yen doesn't seem fazed that his laboratory equipment still is packed in boxes in the basement of the Veterinary Research Tower where a laboratory will be built for him in the next several months.

The trim, soft-spoken scientist said the joke used to be that a person had time either for doing research or for educating himself, by reading and keeping up with scientific journals. He tries to do both.

A native of New York City, he majored in physics and mathematics at Haverford College, and "picked up a master's, actually in nuclear physics," at the University of Washington, where biophysics and physiology began to interest him.

"It was a time when a lot of physicists were moving into biology, in the early '70s, and it was very exciting because you could do a lot with little effort," Yen said with a smile. "Biology was a sleepy field then."

He worked on flow cytometry, a laser-based optical method for analyzing molecular constituents, for a Ph.D. in biophysics at Cornell Medical College; did postdoctoral research at Harvard for two years; conducted research at Sloan-Kettering Institution in New York City from 1978 through 1981; and he has been at the University of Iowa since 1981. In all this time, he's never worked with veterinarians, or with animals.

He said he joined the Pathology Department at the College of Veterinary Medicine because of a strong interest there in cancers of the blood and because the department is building up its experimental oncology program. Also, he's at a research stage where he needs to test in-vitro processes in live hosts.

Miriam Leeser, Electrical Engineering

After receiving a B.S. with distinction in electrical engineering from Cornell in 1980, Miriam Leeser worked for three years as a hardware designer in Mansfield, Mass., at Codex Corp., a subsidiary of Motorola Inc.

Then she had the bright idea of heading for England to get a diploma in computer science from Cambridge University and to "have fun and see Europe."

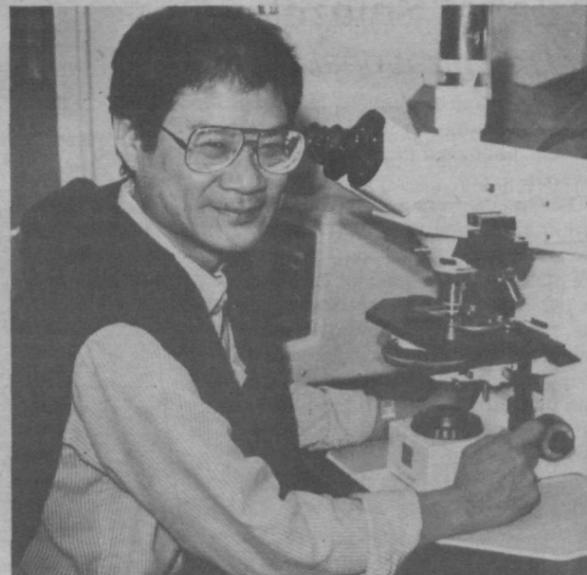
Her stay extended to five years because she found funding to go on for a Ph.D. at Queens College of Cambridge. But Cornell beckoned.

"It has an excellent electrical engineering department, and the computer engineering group is growing quite a lot," she said.

Leeser's expertise is in a field called "hardware verification" — the use of mathematical theorems to prove that an electronic circuit will work correctly before it is built. Working with a theorem-proving research group in computer science, she plans to concentrate on computer logic design and transistor modeling.

She also finds Cornell amenable for her two favorite sports: "It's a place I can play both ultimate frisbee and ice hockey. However, I'll play hockey only on the intramural level. I've been playing English ice hockey, and it's not quite up to American ice hockey."

—Dennis Meredith



Andrew Yen

Yen is interested in why cells grow and differentiate and the role oncogenes play in regulating them. His investigation into the development and use of chemical agents that will induce immature cells to complete their differentiation may lead to alternatives to highly toxic chemotherapies.

He hopes to be working with pathologists Bendicht Pauli, Julie Blue and Tracy Blue. But, he said, again with a smile, "It's hard to collaborate until you have a lab to work in, but I'm looking forward to it."

—Carole Stone

Alan Nixon, Veterinary Surgery

Dr. Alan J. Nixon, who joined the College of Veterinary Medicine in May, is developing techniques for resurfacing joints with transplanted cartilage in horses, where arthritis and other bone diseases are the most common causes of early ends to racing careers.

The assistant professor of surgery hopes to develop a more permanent resurfacing of joints: He wants to grow horse cartilage in tissue culture, mix the new cartilage with the blood-clotting protein fibrin in a kind of "toothpaste" and then glue the mixture to the bones.

An alternative strategy would use a surgical laser to "weld" cartilage taken from elsewhere in the horse to bone surfaces.

The resurfacing would be accomplished with arthroscopic surgery — another of Nixon's specialties — to avoid the major exposure and disruption of conventional orthopedic surgery.

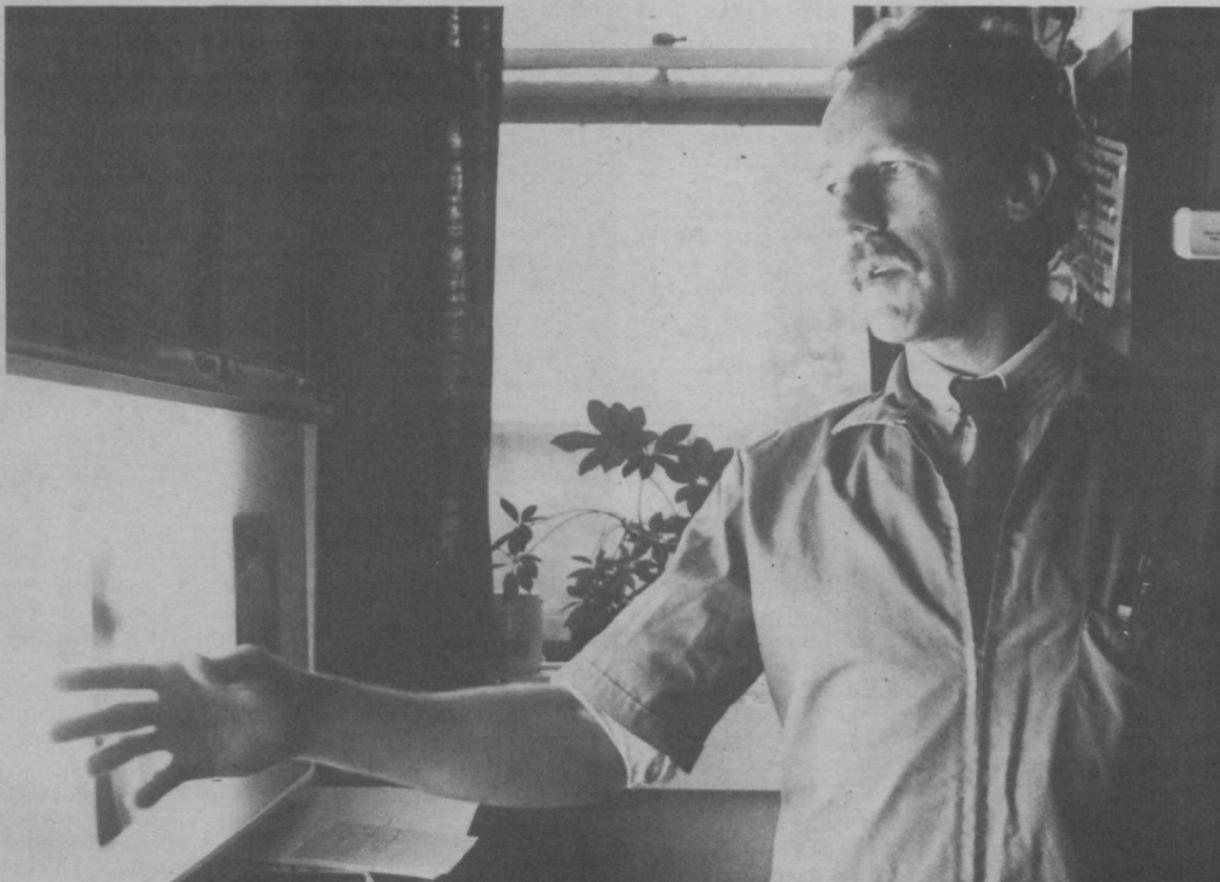
Nixon is a native Australian who received the bachelor of veterinary science degree, with honors, in 1978 from the University of Sydney, where he was an intern in large animal surgery until 1980.

He completed a residency and an M.S. degree in large animal surgery at Colorado State University in 1983, and he was named an assistant professor in the University of Florida College of Veterinary Medicine in Gainesville (Fla.) in 1983.

At Cornell, he teaches large-animal orthopedics and laboratory sections in surgery techniques.

Once settled into Ithaca, the surgeon hopes the quarter horses he kept in Colorado for pleasure riding and back-packing can catch up with him.

—Roger Segelken



Alan Nixon

Margaret Creel, Afro-American history

Margaret Washington Creel is looking forward to raising her children, James, 13, and Celeste, 8, in a quiet community 3,000 miles away from the youth gangs of Los Angeles; to being closer to her fiancé, who teaches at Colgate University; and to studying Afro-American life with the growing community of ethnic scholars at Cornell.

"Scholars need to recognize the significance of the African heritage in Afro-American culture; it's still alive and important."

"Many refuse to acknowledge the influence of African heritage even in the slavery experience of the 19th century," said Creel, who joins Cornell as an associate professor of Afro-American history in the College of Arts and Sciences from the University of California at Los Angeles.

"Cornell is an exciting place right now and I am glad to be a part of it. A community of ethnic scholars is developing here," she said. Creel praised Cornell's African Studies and Research Center for its "unique international focus," and said she also is looking forward to working with the Society for the Humanities in bringing visiting scholars to campus for interaction with students.

"It's important to me to work with good graduate students," Creel added. "I hope I can encourage some master's degree candidates in Afro-American studies here to go on for a history Ph.D. in Afro-American history at Cornell."

Her major scholarly work to date is a book, "A Peculiar People: Slave Conversion and Community Culture Among the Gullahs," published this year by New York University Press.

The Gullahs were a slave community living in the low country and islands of southeastern South Carolina, from Georgetown to Savannah, Ga., Creel said. As was generally the case on absentee-landlord plantations, the Gullah experience of slavery was extremely harsh. The Gullahs were exceptionally successful, however, in retaining much of their African heritage and in using that heritage to restrict the domination of the white slave-owners, Creel added.

The Gullahs retained their language and music, continued their reverence of ancestors, most evident in their practice of burying the dead with possessions dear to the deceased, and retained the African concept of spiritual conversion, in which one must experience a religious initiation rite before becoming a member of the community, she explained.

At Cornell, Creel will continue her study of Gullah women as well as a study of race relations in central California since 1945.

Creel holds a bachelor's degree from California State University at Sacramento (1968), a master's degree from New York University (1971) and a doctorate from the University of California at Davis (1980).

—Mark Eyerly



Margaret Creel

Cutberto Garza, Nutritional Sciences

Cutberto Garza, new director of the Division of Nutritional Sciences, finds that fluency in Spanish comes in handy because of the number of graduate students in his division from Latin American countries and the number of conferences he attends in Spanish-speaking countries.

For example, at the recent meeting of the Venezuelan Pediatric Society in Caracas, he delivered three technical papers in Spanish.

Before joining Cornell on Aug. 1, Garza was a professor of pediatrics at the Baylor College of Medicine in Houston, Tex., where he received an M.D. in 1973. He also holds a B.S. in chemistry from Baylor University and a Ph.D. in nutrition from the Massachusetts Institute of Technology.

Garza is an authority on the nutritional needs of infants and of women during pregnancy and lactation. He also has done extensive research on the immunological components of human milk. Now, he focuses his research on energy requirements of infants.

One of Cornell's main attractions for Garza was that the Division of Nutritional Sciences, made up of faculty of the colleges of Human Ecology and Agriculture and Life Sciences, has "a remarkable record of being able to integrate faculty from diverse disciplines."

The diversity of events that take place in this college town and neighboring areas also impresses him greatly.

"We had a visitor from Italy recently and we wanted to show him a whole gamut of what one can do in this area. So we took him to pig races in Trumansburg in the morning and a chamber music concert in the evening. There are a very few places in the country where you can experience so many events ranging from ridiculous pig racing and sublime Bach music in one day," he said.

Although the backyard of Garza's house is adjacent to the Cornell golf course, he doesn't play golf. Instead, he spends spare time doing "outside reading," especially history and fiction, bird watching and jogging. He enjoys playing piano, particularly Bach.

—Yong H. Kim



Cutberto Garza



Vanessa Guedj and Antoine Hubert in Jean-Loup Hubert's "The Grand Highway," which will be shown this weekend by Cornell Cinema. See the film listing for details.

Friends (Quakers)

Sunday, 10 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 6 p.m., Anabel Taylor Chapel.

Conservative/Egalitarian Services: Friday 6 p.m., Saturday 9:45 a.m., Anabel Taylor Hall, Founders Room.

Orthodox Shabbat Services: Friday evenings 7:30 p.m., Young Israel House, 106 West Avenue.

Chug Ivri, Oct. 18, 8:15 p.m., G-34 Anabel Taylor Hall.

Protestant Church

Every Sunday, 1 p.m. Anabel Taylor Chapel.

Muslim

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

Protestant

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

Baptist Campus Ministry (SBC): Every Saturday, 7 p.m., in the Forum, Anabel Taylor Hall.

Buddhism

Zazen meditation: Tuesdays at 7 p.m. and Thursdays at 5:10 p.m. in the chapel or the Edwards Room, Anabel Taylor Hall. For more information or to arrange beginner's instruction, telephone Ian Dobson: 347-4303.

SEMINARS

Agricultural Economics

"Lessons Learned from the Farm Debt Crisis of the 1980s," Neil Harl, Charles Curtis Distinguished Professor, economics, Iowa State University, Oct. 19, 4 p.m., Myers Seminar Room, 301 Warren Hall.

Agronomy

"Environmental Testing: Should Soil Testing Laboratories be Involved?" Tom Sims, University of Delaware, Oct. 18, 4 p.m., 135 Emerson Hall.

Applied Mathematics

"Constrained Hamiltonian Central Systems," A. Bloch, Oct. 14, 4 p.m., 322 Sage Hall.

Astronomy

"Dark Matter and Hubble Sequence," Peter Quinn, Space Telescope Science Institute, Oct. 13, 4:30 p.m., 105 Space Sciences.

"Astronomical Imaging with Infrared Array Detectors," Ian Gatley, National Optical Astronomy Observatories, Oct. 18, 4:30 p.m., 105 Space Sciences.

Biochemistry Molecular and Cell Biology

"Zinc - A Link in the Transcription of the Genetic Message," Bert Vallee, Center for Biomedical and Biophysical Sciences and Medicine, Harvard Medical School, Oct. 14, 4:30 p.m., 200 Baker.

Biophysics

"Biophysical Studies on Mixed Interdigitated Bilayers," Ching-Hsien Huang, biochemistry, University of Virginia School of Medicine, Oct. 19, 4:30 p.m., 700 Clark Hall.

Boyce Thompson Institute

"Use of Scientific Information in the Development of a National Policy for the Control of Acidic Deposition," James P. Mahoney, National Atmospheric Precipitation Assessment Program, Washington, D.C., Oct. 21, 2 p.m., Boyce Thompson Institute Auditorium.

Chemical Engineering

"Characterization of Dynamic Processes at Catalytic Surfaces with NMR Spectroscopy," Michael Duncan, AT&T Bell Labs, Murray Hill, N.J., Oct. 18, 4:15 p.m., 145 Olin Hall.

Chemistry

"The Biochemistry and Chemistry of Angiogenin, an Organic Protein," Bert L. Vallee, Center for Biomedical and Biophysical Sciences and Medicine, Harvard Medical School, Oct. 13, 4:40 p.m., 119 Baker. General chemistry colloquium.

"Transannular Diels-Alder Reactions on Macrocycles: A General Strategy for the Synthesis of Polycyclic Natural Products," Pierre Deslongchamps, University of Sherbrooke, Oct. 17, 4:40 p.m., 119 Baker.

"Electrons on the Move in Liquids," David Chandler, University of California, Berkeley, Oct. 20, 4:40 p.m., 119 Baker. General chemistry Colloquium.

Comparative and Environmental Toxicology

"Regulatory Science and Law: New Tricks of the Trade," Christine Chaisson, Technical Assessment Systems, Inc., Washington, D.C., Oct. 14, 12:20 p.m., 304 Femow Hall.

Computer Services (Lunchtime Bytes)

"Cornell's Conversion to VM/XA on the IBM Mainframes," Larry Chace, senior systems programmer, computer services/information technologies, Oct. 20, 12:20 p.m., 100 Caldwell Hall.

Ecology and Systematics

"Cepaea and the Problem of Adaptive and Nonadaptive Evolution," Arthur J. Cain, zoology, University of Liverpool, Oct. 19, 4:30 p.m., Morison Seminar Room, A106 Corson/Mudd Hall.

Education Society

"Use of Laser Disk Technology in Research and Teaching," Geri Gay, computer services, Oct. 18, 12:20 p.m., 131 Roberts Hall.

Entomology

"Social Selection and Life History Strategies in Ants," Nigel Frants, University of Bath, England, Oct. 14, 4 p.m., Morison Seminar Room, A106 Corson/Mudd Hall.

"Phenotypic and Evolutionary Consequences of Development in a Temporally Varying Environment," Peggy Saks, University of Rochester, Oct. 17, 4 p.m., Morison Seminar Room, A106 Corson/Mudd Hall.

Electrical Engineering

"Biography and the Nature of Science: Faraday and Ampere," L. Pearce Williams, John Stambaugh Professor of The History of Science, Oct. 18, 4:30 p.m., 219 Phillips Hall.

Floriculture & Ornamental Horticulture

"Landscape Management Practices in the Southwest," Bruce Wilson, president, Environmental Care Inc., Oct. 13, 12:15 p.m., 404 Plant Science.

"Experiences in Rhododendron Collecting and Hybridizing," David Leach, rhododendron hybridizer, Oct. 20, 12:15 p.m., 404 Plant Science.

Food Science and Technology

"International Perspectives on the Safety of Caffeine-Containing Beverages," James R. Coughlin, General Foods U.S.A., Oct. 18, 4:30 p.m., 204 Stocking Hall.

Geological Sciences

"Geomorphic Evidence of Neotectonic Activity in the Central Himalayas," J.S. Rawat, SUNY at Buffalo, Oct. 18, 4:30 p.m., 1120 Snee Hall.

"Water on Mars," Steve Squyres, astronomy, Oct. 20, 4:30 p.m., 1120 Snee Hall.

History and Philosophy of Science and Technology

"Alternative Technological Societies: Henry Ford's Village Industry Experiments and the Vision of Decentralized Technology in Modern America," Howard P. Segal, history, University of Maine, Oct. 13, 4:30 p.m., 165 McGraw Hall.

"Technicians in 17th-Century England," Steven Shapin, science studies, University of Edinburgh, Oct. 20, 4:30 p.m., 165 McGraw Hall.

International Agriculture

"Pesticides in Africa, Uses and Misuses," George A. Schaeffers, entomology, N.Y. State Agricultural Experiment Station at Geneva, Oct. 19, 4:30 p.m., 135 Emerson Hall.

International Legal Studies Program

"The Science and Politics of the Greenhouse Effect," Peter Jutro, director, Global Change Research, EPA, Oct. 18, 4 p.m., classroom D, Myron Taylor Hall.

International Nutrition

"Mozambique: Crisis for Development and Nutrition," David Lewis, city and regional planning, Cornell Institute for African Development, Oct. 13, 12:40 p.m., 200 Savage Hall.

"Relationship Between Maternal Weight Gain During Pregnancy and Pregnancy Outcome," Joel Kleinman, director, Division of Analysis, U.S. National Center for Health Statistics, Oct. 20, 12:40 p.m., Flora Rose Room, 200 Savage Hall.

Mechanical & Aerospace Engineering

"Measurement of Temperature and the Universal Gas Constant R Using an Acoustic Resonator," Michael R. Moldover, Oct. 18, 4:30 p.m., 282 Grumman.

Mechanical & Aerospace Manufacturing Engineering

"Manufacturing Strategy: Ideas from the Front Line," John Monroe, Hewlett Packard, Oct. 13, 4:30 p.m., B14 Hollister Hall.

Microbiology

Title to be announced, Claire Berg, molecular & cellular biology, University of Connecticut, Storrs, Oct. 20, 4:30 p.m., 124 Stocking Hall.

Natural Resources

"Wetland Cumulative Impact Assessment: The Interplay between Policy and Science," Barbara Bedford, associate director, Ecosystem Research Center, Oct. 18, 12:20 p.m., 304 Femow Hall.

Neurobiology & Behavior

"The Artificial Intelligence of Army Ants," Nigel Franks, biological sciences, University of Bath, England, Oct. 13, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

"Magnetic Sensitivity of the Bobolink - Do They, or Don't They?" Robert Beason, biology, SUNY at Geneseo, Oct. 20, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Nutritional Sciences

"Calories and Cancer," David Kritchevsky, associate director, Wistar Institute of Anatomy and Biology, biochemistry in surgery, University of Pennsylvania, Oct. 18, 4:30 p.m., auditorium, Martha Van Rensselaer Hall. This is the fifth annual Dorothy Proud Lecture.

Ornithology

"The Birds and the Bees: Nesting Associations of Birds, Ants and Wasps in Costa Rica," Frank Joyce, ecology and systematics, Oct. 17, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

Pharmacology

"Biochemical Regulation of Cytochrome P₄₅₀-Mediated Mono-oxygenases," Jeffrey G. Scott, entomology, Oct. 17, 4:30 p.m., G-3 Vet Research Tower.

Physiology

"Involvement of Vitamin D₃ in Regulating Cardiovascular Function," R.U. Simpson, pharmacology, University of Michigan Medical School, Oct. 18, 4:30 p.m., G-3 Vet Research Tower.

Plant Biology

"Hormone Induced and Virus Mediated Gene Expression in Plant Cells," Steve Howell, Boyce Thompson Institute, Oct. 14, 11:15 a.m., 404 Plant Science Bldg.

Plant Pathology

"Purification of Formamide Hydrolyase from *Gleocercospora sorghi* and *Colletotrichum graminicola*," Ping Wang, Oct. 18, 4:30 p.m., 404 Plant Science Bldg.

Pomology/Vegetable Crops

"Heat Tolerance in Wild Potato Species: Using Chlorophyll Fluorescence to Pinpoint Damage to the Photosynthetic Apparatus," M. Reynolds, grad student, vegetable crops, Oct. 13, 4:30 p.m., Whetzel Seminar Room, 404 Plant Science Bldg.

"Spacing Arrangement in a Living Mulch Cropping System," Lee Altier, graduate student, vegetable crops, Oct. 20, 4:30 p.m., Whetzel Seminar Room, 404 Plant Science Bldg.

Poultry Biology

"Effects of Growth Hormone Releasing Factor on Growth Performance and Body Composition in Lambs," Donald Beermann, animal science, Oct. 13, 4:30 p.m., 300 Rice Hall.

Psychology

"Formality in Language," Harry Levin, psychology, Oct. 14, 3:30 p.m., 202 Uris Hall.

Rural Sociology

"Rural Development in Latin America," Jacob Maos, geography, University of Haifa, co-sponsored with Department of City and Regional Planning, Oct. 14, 12:15 p.m., 157 East Sibley Hall.

"Nicaragua's Land Reform and Its Impact on Women: A Review," Julie N. Zimmerman, Oct. 17, 12:15 p.m., 32 Warren Hall.

Science, Technology & Society

"Science, Interest Group Liberalism and Democratic Theory," Edward Woodhouse, Science and Technology Studies, Rensselaer Polytechnic Institute, Oct. 17, 12:15 p.m., 609 Clark Hall.

South Asia Program

"Differing Styles of Leadership: Comparing Indira and Rajiv Gandhi," Harish Khanna, executive director, Family Planning Foundation, New Delhi, Oct. 19, 12:15 p.m., 153 Uris Hall. Brown bag lunch.

Stability, Transition & Turbulence

"The Effect of Stable Stratification on Decaying Grid Turbulence," K. Yoon, mechanical and aerospace engineering, Oct. 18, 1 p.m., 282 Grumman.

Statistics

"The Pre-Challenger Prediction of Space Shuttle Failure," Siddhartha R. Dalal, Bell Communications Research, Morristown, N.J., Oct. 19, 3:30 p.m., 100 Caldwell Hall.

Textiles and Apparel

"Solid State Chemistry - An Unexpected Source of Polymers?" Frank DiSalvo, chemistry, Oct. 18, 12:20 p.m., 317 Martha Van Rensselaer Hall.

Theoretical and Applied Mechanics

"Mechanics of Shaped Crystal Growth," John Lambropoulos, University of Rochester, Oct. 19, 4:30 p.m., 205 Thurston.

Western Societies Program

"Ernst Bloch in Exile," Jan Bloch, University of Kiee, German studies, Oct. 13, 4:30 p.m., 156 Goldwin Smith.

"State of German Studies in the Federal Republic of Germany," Ulrich Profitlich, Free University, Berlin, visiting Mellon Fellow, Oct. 14, 12:15 p.m., 177 Goldwin Smith Hall.

"The Italian Economy Adjusting for 1992," Patrizio Bianchi, University of Bologna, Oct. 19, 4:30 p.m., G08 Uris Hall.

"German Comedy After 1945," Ulrich Profitlich, Free University, Berlin, Oct. 20, 4:30 p.m., 153 Uris Hall.

Job Opportunities

October 13, 1988
Number 39
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.

-Interviews are conducted by appointment only.

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

-Employment & employee transfer application 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.

-DEPTS.-Deadline for submission is noon on Thursday for following week's Job Opportunities.

-Minimum salaries listed are for recruitment purposes only.

-S=Statutory; E=Endowed

Administrative and Professional

DIR. OF CIT WORKSTATION RESOURCES (PA3905) Information Technologies (CCS)-E

Lead univ. in developing approp. Workstation Technologies in support of academic & admin. missions of Univ. Plan, develop & implement state-of-the-art facilities in consultation w/univ. & CIT Management.

Req.: MA; adv. degree in related field & min. of 5 yrs. sr. mgmt. exp. in academic setting. Strong record of accomplishment in related area. Letter & resume to Cynthia Smithbower by 10/21.

DIR. OF CIT SERVICES (PA3906) Information Technologies-E

Resp. for delivery of Information Technologies svcs. to Univ. community in academic, research & admin. areas. Plan, develop & implement svcs. in consultation w/most sr. univ. mgmt.

Req.: MA; adv. degree in related field, min. 5 yrs. sr. mgmt. exp. in academic setting. Strong record of accomplishment in related area. Letter & resume to Cynthia Smithbower by 10/21.

ASST. ELECTRICAL FOREMAN/ELECTRICAL DISTRIBUTION (PT3907) M&S0-E
Supv. 4-6 electricians/linemen in installation & maint. of electrical distribution system & street lighting for 250 acad. & research facilities covering over 550 acres.

Req.: AAS in electrical tech. or equiv. Completion of accredited electrical/lineperson apprenticeship program. req. Min. 5 yrs. exp. w/installation & maint. of medium voltage distribution systems. Supv. exp. a plus. Letter & resume to Judi Baker by 10/28.

PROGRAMMER/ANALYST I (PT3911) College of Arts & Sci.-E

Maintain & develop application software to support College Admin. functions. Work w/admin. computer users & tech. staff to ensure continued use of existing software & to implement new systems.

Req.: BA or equiv. exp. Familiar w/CMS, ADABAS, VM, NATURAL & microcomputers. Strong interper. skills & understand quantitative analysis. Letter & resume to Judi Baker by 10/28.

RESEARCH SUPPORT SPEC. II (PT3909) Diagnostic Lab-S

Conduct experiments towards development of rapid & accurate methods for speciation of Mycoplasma species & serological diagnosis of Lyme Disease. Directly involved w/design of experiment protocols.

Req.: BA/BS w/exp. or MS in microbio. & biochem. strongly pref. 2-3 yrs. exp. w/DNA purification techniques, tissue culture & bacterial cultures techniques & familiar w/ELISA systems. Letter & resume to Judi Baker by 10/28.

EDITOR I (PC3914) University Relations-E

Edit manuscripts & work w/clients, designers & Publications Graphic Purchasing personnel in supv. production of printed pieces.

Req.: BA (pref. in Eng. or linguistics). Able to work independ. Sensitivity to lang. High regard for precision. Org. ability & exc. interper. skills. Min. 2 yrs. related exp. Letter, resume & sample marked up manuscript recommended to Esther Smith.

PUBLIC AFFAIRS ASST. (PA3902) Alumni Affairs-E

Work w/Assoc. Dir., Class Programs to plan & execute dues solicitation program for alumni class organizations. Duties incl.: communication w/alumni leaders, processing & tracking dues mailings for 85+ classes, act as program liaison w/Graphics Purchasing & supv. inventory & distribution control. Supv. student employees.

Req.: BS or equiv. exp. Min. 1-2 yrs. related exp. Must have working knowl. of Mac computers, good oral & written comm. skills, strong org. skills & detail oriented. Letter & resume to Cynthia Smithbower by 10/21.

ASSISTANT COACH (PA3901) Athletics-E

Assist in planning & operations of men's intercollegiate wrestling program. Duties incl. coaching, recruiting, scouting & other admin. matters relative to program. Instruct phys. ed. classes.

Req.: BA/BS in phys. ed. or related field. Credentials should reflect proven success in coaching wrestling, recruiting & working w/student athletes. Letter & resume to Cynthia Smithbower.

CAPITAL PROJECT COORDINATOR (PA3904) Construction Management-E

Perform construction mgmt. as Owner's Representative on projects of moderate size & complexity.

Req.: BS in Arch. or Engr. or equiv. Min. 2-3 yrs. exp. in related field work. Letter & resume to Cynthia Smithbower by 10/21.

COMPENSATION SPECIALIST (PA2806) Office of Human Resources-E

Under gen'l. direction, assist in development & admin. of Univ.'s non-academic compensation (wage & salary) programs. Ext. contact w/all levels of faculty, admin. & staff univ.-wide.

Req.: BA/BS or equiv. pref. in personnel/busrn. mgmt. 1-3 yrs. exp. in Compensation (classification/evaluation). Strong org., analytical, interper. & comm. skills. Working knowl. of PC's database mgmt. & spread sheet analysis pref. Exp. in other areas of human resources helpful. Higher ed. or busn. exp. helpful. Letter & resume to Cynthia Smithbower by 10/28.

SYSTEMS PROGRAMMER/ANALYST III (PT2907) Theory Center-E

Provide UNIX systems support, incl. parallel systems support, for various Theory Ctr. computers in Advanced Computing Facility (ACF) & CU Nat'l. Supercomputer Facility (CNSF).

Req.: BS com. sci. or equiv. comb. or ed. & exp. 3-5 yrs. exp. w/& understanding of UNIX & UNIX-based tools; exp. w/multiple machine architectures; familiar w/parallel systems helpful; strong comm. skills. Letter & resume to Judi Baker by 10/28.

DIRECTOR OF COLLEGE RELATIONS (PA3809) NYSSILR Dean's Office-S

Plan, organize, direct & provide leadership & coordination of college's development, corporate, union & foundation relations programs. Represent college to alumni, friends, corporations, foundations, unions & other sources of potential funding. Work closely w/dean & asst. dean for admin., administer special programs for alumni & other publics of school & coord. various conferences.

Req.: BA/BS req., advanced degree desir. 3-5 yrs. supv. exp. in higher ed. development (or equiv.) req., plus 3-5 yrs. exp. in corp. mgmt., pref. in IR/HR areas (total 6-10 yrs. exp.). Familiar w/CU public affairs functions an asset. Able to supv. & work cooperatively w/prof. & support staff. Demonstrated ability to work effectively w/volunteer leadership. Letter & resume to Cynthia Smithbower by 10/21.

ASST. DIR. OF GOVT. AFFAIRS (PA3810) University Relations-E

Provide leadership, support & coord. of selected Gov't. Relations programs; assist in development of strategies & detail work to improve comm. w/governmental units & community groups; develop & write position papers; special projects.

Req.: BA/BS req. Min. 3-5 yrs. full-time exp. in a college or univ. governmental affairs or public information operation or equiv. Exp. in gov't. or in community groups. Strong org., interper., public participation & comm. skills req. Letter & resume to Cynthia Smithbower by 10/21.

MGR., HUMAN RESOURCES & ADMIN. SERVICES (PA3811) NYSSILR Dean's Office-S

Mng. human resource function & internal affairs of college. Coord. & execute confidential & strategic reports for dean's office. Mng. internal affairs of dean's office. Serve as exec. dir. of special projects such as Master Plan Task Force. Coord. & assist in academic human resource affairs. Mng. all aspects of nonacademic human resources. Coord. w/dir. of finance & dir. of School services college's portion of capital budget request.

Req.: BA/BS req. MS pref. 3-5 yrs. managerial exp. in higher ed. admin. &/or human resources mgmt. in higher ed. Strong org. & comm. skills req. Letter & resume to Cynthia Smithbower by 10/21.

RESEARCH SUPPORT SPECIALIST III (PT3811) Ctr. for Environmental Research-E

Implement & monitor Solid Waste Combustion Institute's \$1.7M Research Awards Program. Develop crop fundraising effort & pursue foundation & add'l. governmental support. Gen'l. admin. support to program incl. writing tech. & program reports. Monitor budgets.

Req.: BA min., MS engr. or MBA pref. Considerable related exp. incl. 2 yrs. admin. or busn. exp. w/educat'l. program. Able to understand & communicate tech. & scientific issues essential. Letter & resume to Judi Baker by 10/21.

ASST. TO THE CONTROLLER (PA3808) Controller's Office-E

Provide executive staff support to Univ. Controller. Will provide financial analysis & special projects capability, overseeing the design & prep. of the quarterly financial report & serving as a financial systems consultant to depts. & colleges.

Req.: BS, MBA pref. plus 5 yrs. progressive staff exp., able to work independ., demonstrated exc. comm. (written/oral) skills. Competence in systems design & an understanding of computer operations. Previous CU exp. considered a plus. Letter & resume to Cynthia Smithbower by 10/28.

CONFERENCE SERVICES MGR. (PA3803) Statler Hotel-E

Mng. Conference Ctr. & Alice Statler Auditorium, overseeing all functions from set-up through completion. Resp. for all equip. for functions w/in the hotel.

Req.: BS in hospitality field pref. 1-2 yrs. related exp. pref. Proven supv. skills; knowl. of AV equip. & operation of an auditorium or theater req.; exc. org., comm. (written/oral) skills req.; must be detail oriented. Letter & resume to Cynthia Smithbower by 10/21.

FRONT OFFICE MGR. (PA3802) Statler Hotel-E

Resp. for planning, organizing, communication & reporting of operations associated w/Front Office, concierge & bellstaff depts.; knowledgeable about & able to perform daily tasks of depts.

Req.: BS in hotel admin. pref. 2-3 yrs. related exp. req. Proven supv. skills, able to exercise authority & use good financial mgmt. skills; exc. comm. (oral/written) & problem solving skills. Letter & resume to Cynthia Smithbower by 10/21.

Clerical

REGULAR EMPLOYEES Submit employee transfer application, resume & cover letter. Career counseling interviews available by appt. **EXTERNAL APPLICANTS** Mail employment application & resume to 160 Day Hall. Interviews conducted at Staffing Services, East Hill Plaza by appt. only. Qualified applicants are contacted after materials are reviewed.

SECRETARY, GR17 (C3902) Athletics-E

Assist in daily admin. of Phys. Ed. Program. Involved in course registration, attendance, transfer, grading, off. inventory. Type & copy course materials, exams, corresp. & records; share receipt. resp. 10 month position.

Req.: H.S. dip. or equiv. Sec./busn. school pref. Min. 1 yr. previous sec. exp. desir. Med. typing. Min. Biweekly: \$467.98

SR. RECORDS ASST., GR18 (C3912) Uris Library-E

Maintain serial's collection incl. checking-in incoming volumes/issues; prep. claims, replacement requests & completed volumes for binding; handle serials status changes & assist w/problem solving; train, supv. & asst. in hiring students; provide backup at reference desk; perform various tasks on database.

Req.: H.S. dip. or equiv. 2 yrs. of college or equiv. exp. pref. Min. 1 yr. related exp. Attention to detail & good org. skills. Able to work well w/other staff & w/public. Previous libr. exp. & familiar w/use of computers desir. Lt. typing. Min. Biweekly: \$487.50

SECRETARY, GR18 (C3911) Cooperative Extension-S

Provide sec./computer support 3 Ext. Rep's. Type & edit corresp., reports, forms, contracts, etc.; maintain calendars; schedule appts.; arrange conferences & mtgs.; org. & maintain files & survey materials; electronic mail; work independ.

Req.: H.S. dip. or equiv. Sec. school desir. Min. 1 yr. sec. exp. Good typing, org. & comm. skills. Computer knowl. & interest (IBM PC, Wordperfect, Lotus). Able to work well w/variety of people. Confidentiality essential. Med. typing. Min. Biweekly: \$487.50

SECRETARY, GR18 (C3904) COSEP/Minority Educat'l. Affairs-E

Provide sec./recept. support to Asst. Dir. in heavy student contact off. environ. Assist & interact w/minority & non-minority students, providing them w/information & direction regarding campus-wide support svcs.

Req.: H.S. dip. or equiv. Busn./sec. school desir. Min. 1 yr. related exp. Exc. org., interper. & comm. (written/oral) skills. Knowl. of Mac PC computer programs. Heavy typing. Min. Biweekly: \$487.50

SECRETARY, GR19 (C2415) Hotel Admin.-E

Provide sec./admin. support to several faculty. Act as liaison between faculty & students. Compile/type/proofread/edit complex course materials, exams, corresp., research proposals, mtg. minutes & reports using WANG equip. Answer phone. Schedule mtgs. & appts.

Req.: H.S. dip. or equiv. Sec. school desir. Able to handle conf. material & possess good judgment. Able to learn new software programs & computer skills important. Attention to detail. Exc. in copy reading. Exc. comm. (written/oral) skills. Pleasant phone personality is important. Able to work cooperatively w/variety of people. Exc. p.r. skills. Med. typing. Min. Biweekly: \$510.90

SECRETARY, GR19 (C3910) Cooperative Extension-S

Provide sec./computer support for 2 Ext. Reps. in preparing corresp., reports, forms, contracts, class materials, electronic mail, etc.; coord. mktg. data, presentations, etc. Sec. support to NYC staff.

Req.: AAS or equiv. Min. 2 yrs. sec. exp. Very organized & able to work w/variety of people. Heavy typing. Min. Biweekly: \$510.90

SECRETARY, GR19 (C3915) Agricultural Economics-S

Provide wide range of research, mgmt. info. system, admin./sec. & computer support asst. to 2 faculty members, prof. staff & grad. students w/a number of active research & extension programs.

Req.: AAS; 1-2 yrs. exp. in computer prgrmg. or processing & related off. exp. Strong writing & editing skills req. Strong interper. & org. skills also req. Previous exp. or trng. in computer prgrmg. or data processing. Familiar w/microcomputers & computer software. Able to work independ. w/little supv. Med. typing. Min. Biweekly: \$510.90

OFFICE ASST., GR19 (C3906) CALS Dean's Office-S

Provide sec./admin. support in Off. Serve as off. recept., process mail, maintain off. files & other clerical duties. Process payments for off. expenditures & various central acctg. support.

Req.: AAS in sec. sci. or busn. or equiv. Min. 1 yr. prior exp. in central admin. off. helpful. Skilled in use of PC's w/emphasis on WP & Lotus 123. Knowl. of Stat. acctg. procedures desir. Heavy typing. Min. Biweekly: \$510.90

OFFICE ASST., GR19 (C3901) Finance & Business Services-S

Provide acctg., clerical & admin. support for acctg. receivable & transactions sections of Busn. Svcs. unit.

Req.: AAS or equiv. in busn. or acctg. Min. 1 yr. acctg. exp., pref. w/Stat. acctg. system. Exc. comm. & org. skills. Computer/terminal exp. helpful. Lt. typing. Min. Biweekly: \$510.90

PERSONNEL ASST., GR20 (C3903) Health Services-E

Process forms for all UHS employees related to personnel & p/r matters. Provide secretarial support to administrator & other staff. Maintain personnel files, vacation & sick leave accruals, provide necessary backup for other UHS employees.

Req.: AAS or equiv. Med. typing. Min. 2-3 yrs. sec. exp. Exp. in personnel or related field. Exp. w/CU personnel, p/r & acctg. procedures req. Able to work independ. w/little supv. Exp. using pc's req. Familiar w/Wordperfect a plus. Confidentiality essential. Min. Biweekly: \$534.30

ACCTS. ASST., GR20 (C3908) Physiology-S

Share resp. for mgmt. & reconciliation of over 100 acctg. (State, Endowed, College & Grant). Establish & maintain working relationship w/3 colleges (1 endowed) & Div. of Biological Sci.; advise on CU, State & College financial policies; asst. in back-up for personnel & p/r functions.

Req.: AAS req. Some advanced schooling in bookkeeping/acctg. desir. Min. 2 yrs. bookkeeping/acctg. exp., pref. CU. Med. typing. Min. Biweekly: \$534.30

SR. COLLECTIONS ASST., GR20 (C3907) Maps, Microtexts, Newspapers-E

Perform acquisitions functions in ordering, paying & canceling titles; provide reference svcs. in special dept. areas; perform sec. tasks & design & programs specific microcomputer program. 1 Sat. per month.

Req.: AAS or equiv. req. BA or equiv. pref. Min. 2 yrs. exp. in academic setting, interest in current events & geography, competence w/microcomputer. Good org. & interper. skills. Able to org. work despite interruption & recognize & learn a few words in many langs. Med. typing. Min. Biweekly: \$534.30

ADMIN. AIDE, GR21 (C3905) VP, Research & Advanced Studies-E

Provide sec. & admin. support. Type heavy vol. of corresp., tech. reports for VP & Exec. Staff Asst.; proof/edit/compose letters as approp. Resp. for outgoing mail & filing system, VP's travel, screen calls; daily schedule; reception of visitors; resp. for supplies.

Req.: AAS or equiv. Ext. exp. in resp. admin. /sec. position. Min. 2 yrs. exp. Advanced WP & computer skills (IBM PS/2 using Microsoft word). Able to transcribe dictation quickly & accurately from microcassette & hard copy & tolerate interruptions w/ease. Exc. org. & comm. skills. Able to handle a number of projects simultaneously. Flex. when working w/tight deadlines & heavy workloads. Careful attention to details. CU exp. in busy environ. Pref. Knowl. of travel procedures, familiar w/vouchers, acctg. & Diners Club. Heavy typing. Min. Biweekly: \$557.70

General Service

REGULAR EMPLOYEES Submit employee transfer application to Staffing Services, 160 Day Hall. Interviews conducted by appt. only. **EXTERNAL APPLICANTS** Mail employment application to Staffing Services, 160 Day Hall. Interviews conducted by appt. only. Qualified applicants are contacted after materials are reviewed.

CUSTODIAN, SO02 (G3902-G3906) Buildings Care-E

Provide gen'l. custodial care of bldgs. & grounds in immediate vicinity of assigned area. Mon.-Thur., 6 a.m.-2:30 p.m.; Fri. 6 a.m.-1:30 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. Min. hourly: \$5.75

MATERIAL HANDLER, SO04 (G3907) Dining-E

Receive, inspect, store & issue food products, equip. & supplies. Clean & maintain assigned areas. Shift subject to change.

Req.: H.S. dip. or equiv. Basic reading & computation skills req. Knowl. of storeroom/inventory techniques & purchasing/receiving food. Able to lift 75 lbs. on continuous basis. NYS driver's license req. Min. hourly: \$6.25

Technical

REGULAR EMPLOYEES: Submit employee transfer application, resume & letter. **EXTERNAL APPLICANTS:** Mail employment application, resume, & list of lab techniques/equip., or computer software/hardware with which you are familiar. Submit letter per position, specify title, dept. & job number. Interviews conducted by appt. only. Qualified applicants are contacted after materials are reviewed. Backgrounds highly desired: biochem., chem., microbio., elect., physics, lic. animal health tech.

TECHNICIAN, GR18 (T3914) Equine Drug Testing-S

Perform analysis of blood & urine in field drug testing lab at Yonkers Raceway. Assist lab dir. as needed. 1:30-10 p.m. Sat., Sun. & holidays incl.

Req.: AAS in chem. or related field or equiv. exp. Min. 1 yr. exp. w/gen'l. lab procedures, thin layer chromatography pref. Apply by 10/21. Min. Biweekly: \$487.50

TECHNICIAN, GR21 (T3913) Diagnostic Lab-S

Perform microbiological & immunological tests on specimens w/emphasis on Salmonella species. As part of Bacteriology section familiarity w/all procedures necessary to insure prompt & thorough testing of samples.

Req.: BS clinical microbio. or related field or equiv. Basic lab skills w/emphasis on clinical microbio. & some immunology. 2-3 yrs. exp. req. Apply by 10/28. Min. Biweekly: \$557.70

TECHNICIAN, GR22 (T3912) Biotechnology-E

Provide tech. expertise & assistance, incl. growing cells, doing fusions & developing assays, in biotech. hybridoma svcs. facility.

Req.: BS in bio. sci., microbio., biochem. or related field or equiv. Min. 3-4 yrs. tissue culture exp. Hybridoma & immunoassay development exp. highly desir. Apply by 10/28. Min. Biweekly: \$581.09

TECHNICIAN, GR22 (T3908) Vet. Pathology-S

Prep. high quality microscope slides for interpretation by pathologist; work independ. substitute for asst lab. supv. as nec.

Req.: HT cert. req. plus 3-4 yrs. exp. in active histopathology lab. Exp. in procurement of supplies helpful. Apply by 10/21. Min. Biweekly: \$581.09

ELECTRICIAN (T3903, T3901) M&S0-E

Install & maintain electrical systems. Req.: H.S. dip. or equiv. Completion of accredited inside wireman apprenticeship program or equiv. exp. Must have & maintain valid NYS driver's lic. Letter & resume to Judi Baker by 10/28.

Part Time

CUSTODIAN, SO02 (G3901) Health Services-E

Provide gen'l. maint. & custodial care of bldg. & grounds of assigned area. P/T, Mon.-Fri. Req.: H.S. dip. or equiv. Operate variety of heavy power equip. Able to lift 50 lbs. & climb ladders. Basic reading & writing skills. Min. hourly: \$5.75

OFFICE CLERK, GR16 (C3909) NYC Cooperative Ext.-S

Prep. & post daily mail; assist w/photocopying. Inventory & distribute off. supplies; maintain off. supply & copy room; assist w/errands in & outside central off.; provide asst. to staff on special assignments. M-F, 1:30-5:30.

Req.: H.S. dip. or equiv. Some related off. exp. pref. Strong interper. & comm. skills desir. Min. full-time equiv.: \$448.50

STACKS ASST., GR16 (C3913) Access Services/Annex-S

Assist annex Libr. Supv. in managing book, periodical & archival collections; provide public svcs.; oversee operation in Supv.'s absence. M-F, 9 a.m.-1 p.m.

Req.: H.S. dip. or equiv. Some college bkgrnd. &/or exp. w/academic libr. Min. full-time equiv.: \$448.50

Temporary

Experienced & skilled individuals specifically interested in temporary work should mail application to 160 Day Hall.

SECURITY OFFICER (G3909) Johnson Museum

Provide security to art museum as needed. Able to deal w/public; stand for long periods of time. Previous security exp. helpful. 3-4 days/wk.; 9:45 a.m.-5:15 p.m. Also fill-in for special events & extra hrs. Temp. for 6-8 wks.

TECHNICIAN (T3705) Ornithology-S

Convert tape recordings of whale & bird sounds into continuous visual images. Work w/electronic equip., in darkroom to process recordings. Maintain accurate & organized records of material. 3 months.

Req.: BS in bio. sci. Some exp. using computers. Good listening skills, musical ability, exc. org. skills. Exp. in darkroom useful, not essential. Apply by 10/21.

SERVICE TECHNICIAN (T3910) Entomology-S

Asst. in field & lab research on greenhouse insect pests. Assist in setting up & conducting experiments on insect resistance to chemicals, plant

Graduate Bulletin



Course changes: Deadline for changing grade options, credit hours and dropping courses is Oct. 21. A \$10 late fee is charged for any change after this date. Courses dropped after Oct. 21 will appear on transcripts with a "W" (withdrawn) unless instructor and committee chairperson recommend, prior to final exams, that the "W" be deleted.

Dissertation and thesis seminars: Morrison Seminar Room of Corson/Mudd Hall, Oct. 25, from 11 a.m. to noon for doctoral dissertations and Oct. 27, from 10:30 to 11:30 a.m. for master's theses.

Fellowship information on deadlines is in the October issue of the Sage Graduate Newsletter. A copy for each student is available in Graduate Field Offices or student field mailboxes.

NSF Applications: Will be available by mid October at the Fellowships and Financial Aid Office, Sage Graduate Center.

Conference travel grants: Funds to help with travel expenses are available to registered graduate students invited to present papers or posters at professional conferences and meetings. Applications due at Graduate Fellowships and Financial Aid Office, Sage Hall, by Nov. 1 for December conferences (note change in deadline).

Barton Blotter: Portable radio stolen

A portable radio transmitter and receiver worth \$1,030 has been stolen from the Humphreys Service Building, according to the morning reports of the Department of Public Safety for Oct. 3 through Oct. 9.

The theft was among 10 with total losses in cash and valuables set at \$2,849. Other thefts included a \$400 piece of granite taken from the Myron Taylor Hall building site, a \$380 bicycle, and six purses and wallets with total losses estimated at \$719.

Interactive-media symposium will include demonstrations

Interactive media as an educational tool will be discussed and demonstrated at a symposium and workshop on Oct. 27 from 12:20 to 5:15 p.m. in 401 Warren Hall.

Also known as hypermedia, the combination of computers and videodiscs for individually paced learning is the research subject of Cornell's new Interactive Media Center.

Educators, computer programmers and students at the center produce and test interactive learning programs on such subjects as ornithology, mathematics, entomology, legal research, languages and the physics of wind surfing.

Symposium speakers include:

- Geri Gay, director of the Interactive Media Center, on hypermedia design and current projects at the center.

- Pat Mutkoski of Hotel Management and Chris Pelkie of Cornell Computer Services on using interactive videodiscs with data bases.

- Edgar M. Raffensperger, professor of entomology, on teaching with interactive videodiscs.

A hands-on workshop on authoring languages and tools, graphics and pre-production planning will follow the symposium. Information on registration is available at 255-5530.

—Roger Segelken

Legal treatise *continued from page 1*

the field standing at your shoulder and helping you with your research," Staudt commented.

He noted that existing law treatises can and will be transferred to CD-ROM discs in the near future, but because they were not written specifically for computer use, they will not contain the density, ease of retrieval and informational power of Martin's treatise. That work "will do far more than replace 17 shelves of law books," according to Staudt.

While few law firms and corporate legal offices presently have CD-ROM readers, the legal profession is well aware of the information-holding capacity of CD-ROM discs, according to Martin.

"Certain types of law firms will drive the need for this technology, and I expect the amount of laser-read information available to both lawyers and accountants to grow dramatically in the next few years," the professor said.

In support of Martin's project, NCAIR trustees named him the first recipient of the David J. Dixon Research Fellowship, which carries with it a \$30,000 grant. The late

David J. Dixon was presiding judge of the Missouri Court of Appeals and a founder and former chairman of NCAIR. The center, which sponsors study of the application of technology to the legal and accounting professions, supported the development of LEXIS, the first computer-assisted legal research system.

Martin is using available software to create the Social Security disc treatise, and computer equipment furnished by International Business Machines Corp. to Cornell for its Project EZRA, which is a multi-year program aimed at encouraging students and faculty members to create innovative computer uses.

Martin is the author of several articles on Social Security legal issues and teaches a law school seminar on the subject. He also teaches a course on computer applications in law practice.

He recently completed terms as chairman of the Section of Law and Computers of the Association of American Law Schools and president of the Center for Computer Assisted Legal Instruction.

—Joe Leeming



Jerry Darvin

Richard Stoltzman

1988-89 Bailey Hall Famous Artist series will open on Oct. 17

Clarinetist Richard Stoltzman will be soloist with the Brandenburg Ensemble in the first concert of the 1988-89 Famous Artist's Series in Bailey Hall on Oct. 17 at 8:15 p.m.

The program will include the Brandenburg Concerto No. 6 and the Concerto for Two Violins and Orchestra by J.S. Bach; Mozart's Bassoon Concerto, K. 191 (transcribed for clarinet); Rossini's Introduction, Theme and Five Variations for Clarinet and Orchestra.

For more information, call the Lincoln Hall ticket office at 255-5144.

CALENDAR

continued from page 9

SPORTS

Thursday, 10/13

Women's J.V. Field Hockey vs. Hartwick, at home.
Women's J.V. Soccer, at Monroe CC, 4 p.m.
Women's Varsity Field Hockey vs. Hartwick, at home, 8 p.m.

Friday, 10/14

Freshmen Football, at Princeton, 2:30 p.m.
Volleyball, at Harvard, 6 p.m.
Men's Varsity Soccer vs. Brown, at home, 7:30 p.m.

Friday, 10/14 - Saturday, 10/15

Golf, at ECAC Championships

Friday, 10/14 - Sunday, 10/16

Women's Varsity Tennis, at ITCA Regional Qualifying

Saturday, 10/15

Women's Varsity Field Hockey vs. Brown, at home, 10 a.m.
Women's Varsity Soccer vs. Brown, at home, 11 a.m.
Varsity Football vs. Brown, at home, 1 p.m.
Volleyball, at Brown 1 p.m.
Ltw. Football vs. Princeton, at home, 7:30 p.m.

Sunday, 10/16

Women's Jr. Varsity Soccer vs. Cortland, at home, 2 p.m.

Monday, 10/17

Men's Jr. Varsity Soccer, at Ithaca College, 4 p.m.

Jr. Varsity Football vs. Milford Academy, at home, 4:30 p.m.

Tuesday, 10/18

Men's Varsity Soccer, at Hartwick, 4 p.m.
Women's Varsity Tennis vs. Binghamton, at home, 4 p.m.

Wednesday, 10/19

Women's Varsity Field Hockey vs. Syracuse, at home, 7:30 p.m.

Thursday, 10/20

Men's Jr. Varsity Soccer vs. Monroe CC, at home, 7:30 p.m.

THEATER

"Winners," a one-act play from Brian Friel's "Lovers," exploring the hopes and fears of a young couple as they consider their imminent marriage, Black Box Theatre, Center for the Performing Arts, Oct. 14 at 8 p.m., Oct. 15 at 5 p.m. and 9 p.m. and Oct. 16 at 2 p.m. A limited number of tickets are still left and are available at the center's box office. For prices and other information, Call 254-ARTS.

MISC.

Alcoholics Anonymous

Meetings, open to the public, will be held Monday through Friday at 12:15 p.m. and Thursday evenings at 9:30 p.m. in Anabel Taylor Hall. For more information, call: 273-1541.

Chinese Songs and Dances

Tickets for a performance of the Youth Goodwill Mission Show from Taiwan, to be held Oct. 19 at 6 p.m. at Ithaca High School, can be purchased at the East Asia Program Office, 140 Uris Hall, K.C. Copy in College-town, the International Students and Scholars Office, 200 Barnes Hall and at Ithaca High School. Admission is \$4 for students, \$5 for adults and \$3 for children under the age of 12.

Cornell Badminton Club

Meetings will be held Wednesdays 4:30-6:30 p.m.; Fridays 7:30-9:30 p.m.; Saturdays 11 a.m.-1 p.m. at the Henry St. John gym, located at the Clinton and Geneva streets. For more information call David Sagan 255-0918 or Bill Smith 272-3594.

CUSLAR discussion series

"Puerto Rico and the Struggle for Liberation: A Historical Perspective," Mayra Santos-Febres, graduate student, Romance studies, Oct. 17, 7 p.m., Commons Coffeehouse, Anabel Taylor Hall.

Gay Men's Association

The Gay Men's Association holds a discussion meeting each Wednesday from 7:15 to approx. 9:30 p.m. in Loft II, Willard Straight Hall. Discussion topics include: coming out to parents and people on the job, friendships with heterosexual men, gay parenting, long-term relationships, safe sex, and being gay and religious. For further information, call the Gay, Lesbian and Bisexual Coalition office at 255-6482.

Hebrew Speaking Club

Hebrew Speaking Club meets Tuesdays, 8:15-9:30 p.m., in G-34 Anabel Taylor Hall.

Hillel

Israel shaliach, from 10 a.m. to 3 p.m. at the Hillel office, G-34 Anabel Taylor Hall. Call 255-4227 for appointment.

"Expulsion, Inquisition, False Messiah," Topics in Jewish Thought and History, Oct. 17, 8 p.m., 314 Anabel Taylor Hall.

Meeting of Students Struggle for Oppressed Jewry, Oct. 20, 5 p.m., G-34 Anabel Taylor Hall.

International Students' Programming Board

An international dinner, featuring the Ithaca Scottish Country Dancers, Oct. 15, 6:30 p.m., Memorial Room, Willard Straight Hall. Everyone interested in becoming involved in international events is invited. Tickets are \$3, available at the International Students and Scholars Office, 200 Barnes Hall.

Personal Growth Workshops

New series begins the week of Oct. 17. Topics include Assertiveness, Building Self-Esteem, Building Satisfying Relationships, Stress Management, Women, Food and Self-Esteem, Lesbian/Bisexual; a support group for women, (ongoing, meets Wednesdays 7-9 p.m., 103 Barnes Hall), Ease and Balance through Awareness in Movement, Acting Up, (using improvisation and role play to increase awareness of self and others), and a Black and Hispanic Freshmen Women's Therapy Group. All groups are free and confidential. Open to all members of the Cornell Community. Sign-ups began Oct. 7. For more information or to sign up, call 255-3608 or stop by 103 Barnes Hall.

Protestant Cooperative Ministry

North Carolina-based storyteller Louise Kessel will tell tales from a variety of traditions on Oct. 14 at 8 p.m. in the Founders Room, Anabel Taylor Hall. Admission is \$3-\$5 (sliding scale), available at the door. Sign-language interpretation will be provided.

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. and Sunday 2-8 p.m., 174 Rockefeller Hall; Sunday-Thursday, 10 p.m.-midnight, 340 Goldwin Smith; Sunday-Thursday, 8-11 p.m., Noyes Center, Browsing Library; and Sunday-Thursday, 8-11 p.m., Clara Dickson Hall, Computer Room.

Concrete researchers leave no stone unturned

Strange fates befall concrete in Cornell's structural engineering laboratories. In one lab, a chunk of concrete painted with a chemical glows yellow under ultraviolet light, revealing a serious chemical "disease." In another, a computer scans a slice of concrete, automatically searching for bubbles. Its TV camera-microscope eye reveals a pocked terrain as rugged as the surface of the moon.

In other labs, beams, cylinders and chunks of concrete are twisted, warped, cracked and pulverized by massive loads and heat-cold cycles. They are probed by the twang of sound waves and the tickle of electricity.

Cornell is among the top centers in the world for concrete research and is the site of advances such as the high-strength concrete now used in skyscrapers.

Last fall, the research group that includes Peter Gergely, Kenneth Hover, Tony Ingraffea, Arthur Nilson and Richard White was honored with the Charles S. Whitney Award of the American Concrete Institute, the highest citation for concrete research.

Concrete consists of a mixture of Portland cement, sand, gravel and additives such as fly ash, silica dust and organic materials called "superplasticizers," which make the cement more fluid with less water.

Problems arise because concrete is made using recipes arrived at largely through trial and error and with materials that may vary widely from batch to batch. Even the main ingredient, Portland cement, is sold on the open market as a bulk commodity, with no guarantees of consistency from delivery to delivery.

Each year, about one ton of concrete for every living person is used to build roads, runways, bridges, pipes, dams, foundations, skyscrapers and storage bins — making concrete the most widely used building material on Earth. Investigations into concrete will be worth billions of dollars in terms of a longer-lasting infrastructure for the nation.

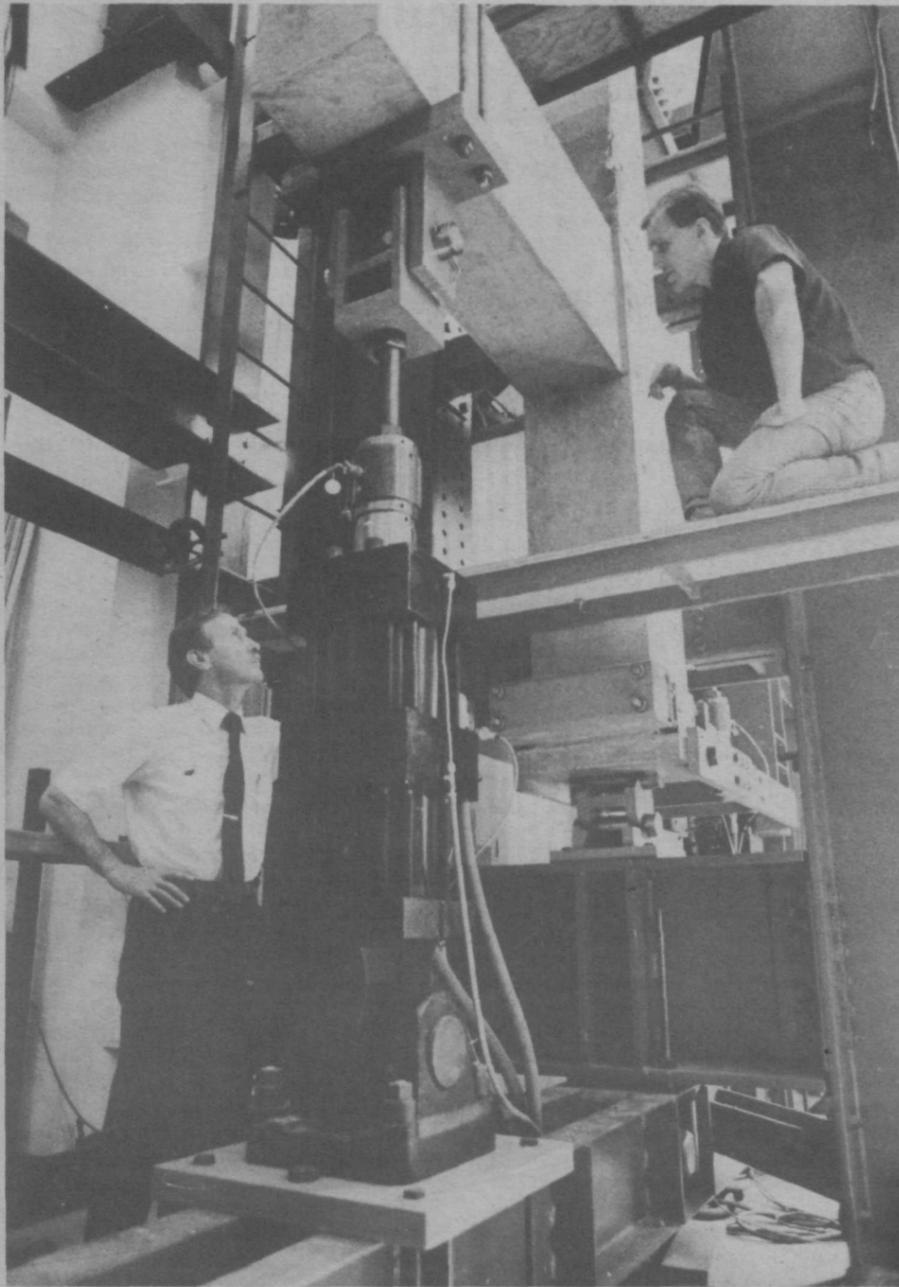
In a quiet corner of a laboratory of structural engineering professor Arthur Nilson, concrete beams rest on supports under a constant load from heavy weights suspended from them. It is among the few full-scale tests in the world to study the long-term deformation of high-strength concrete members.

High-strength concrete — a special mixture that can withstand 12,000 pounds per square inch (about four times what is normal) — is widely used in skyscrapers, but its characteristics have not been fully explored.

"While it's certainly not true that these buildings are dangerous in any sense, nobody really knows exactly how high-strength concrete deforms under load, or what happens to it as it fails," said Kenneth Hover, an associate professor of structural engineering who is also involved in the research.

Each day for one year, the researchers measure the beams' sag and related internal changes. They also monitor the concrete's "breathing," watching it swell during periods of high humidity.

Elsewhere in the large laboratory, an 11-



CRACKING CONCRETE — Professor Peter Gergely, left, and graduate student Stephen Pessiki inspect an 11-foot-high concrete beam-column that is being twisted to test its response to earthquake stress.

Jill Peltzman

foot-high, cross-shaped beam-column of steel-reinforced concrete is clamped in a giant, vicelike, steel test frame. Hydraulic jacks subject the beam-column to "bending moments" of over 230,000 foot-pounds, the kind it might experience in an earthquake. The test is being conducted by two professors of structural engineering, Richard White and Peter Gergely, as part of studies sponsored by the National Center for Earthquake Engineering Research.

White, Gergely and their co-workers are twisting the giant beam-columns to learn how the placement of steel reinforcing rods within the concrete affect the structures' ability to withstand the lateral forces expected during an earthquake.

"The problem is that building details in the East are not typically designed to resist

earthquake loading," said senior research associate Chris Conley. "This means that these buildings might be vulnerable to an earthquake, so we're trying to look at inexpensive changes that builders could make in their practices to increase the ability to withstand quakes."

Despite their high drama, earthquakes are not the greatest danger to concrete: it is the subtle, relentless processes of unwanted chemical reactions and of freezing and thawing that undoes concrete.

To learn how to protect roadways and bridges from "diseases," the scientists delve into the microscopic properties of concrete.

"Alkali aggregate reaction," or AAR, is one such disease. A chemical reaction between the alkaline cement and certain gravels in the concrete mixture, AAR can dis-

integrate a concrete structure. It often infects the concrete foundations of electrical substations and transmission towers and structures next to electrified railways. Recently, engineers have begun to suspect that so-called "cathodic protection" may also influence AAR. This technique involves using low-level electrical currents to control the corrosion of reinforcing steel in concrete.

To explore this "electrical connection," Hover and his colleagues have buried steel-reinforced concrete cylinders in vats of carbon particles, sending electricity through them. The cylinders are then tested for AAR, using a method invented by Hover and graduate student Kumar Natesaiyer that offers the first quick, reliable diagnosis of the disease.

In the test, they paint a harmless uranium compound, uranyl acetate, on a concrete sample and examine it under ultraviolet light. Since AAR produces a silica material that absorbs the uranyl acetate, diseased concrete glows yellow under the light.

The merciless cycles of freezing and thawing are also among concrete's worst enemies, causing improperly made concrete to disintegrate in only a matter of years. Fortunately, engineers have discovered that introducing air bubbles into concrete offers protection against such disintegration. The problem, of course, is that engineers still do not understand the relationship between the size and distribution of bubbles and frost-resistance.

In the Cornell labs, a lifetime of stress can be simulated in a month by placing small blocks of concrete in a special freezer, where they are subjected to hundreds of freeze-thaw cycles. To probe the specimens, the engineers send sound waves reverberating through them using a special vibrating device. By measuring the speed of sound in the concrete and the samples' natural resonating frequencies, the researchers can detect deterioration in the material.

The researchers are also developing theories to correlate the survival of concrete in such tests with the bubble content. For instance, student Marcia Simon is improving equations that describe bubble distribution and size, and Kenneth Snyder is perfecting a computer system that uses a television camera to quickly scan a sample and detect bubbles.

Hover said, "The Holy Grail is to develop the theory to such a state that we can predict how frost-resistant a concrete sample will be from its structure, without the need for testing."

The researchers have even employed the IBM supercomputer at the Theory Center, creating mathematical versions of chunks of cement with certain bubble structures within the supercomputer and exploring their properties.

Thus, from the world of supercomputers to routine business like storing gravel, Cornell researchers have mounted an attack on the multitude of maladies that beset concrete. The irony is that even with their advances, they are far from understanding a material so common that we seldom even notice its existence.

—Dennis Meredith

Trustees, Council to meet together

Cornell trustees and members of the University Council will meet together on Oct. 14 at 9 a.m. in Statler Auditorium.

The Board of Trustees will meet in open session beginning on Oct. 14 at 2 p.m. in the Boyce Thompson Institute auditorium.

Several committees also will meet in open session:

- Buildings and Properties Committee on Oct. 13 at 9 a.m. in the third-floor conference room of Day Hall.

- Executive Committee on Oct. 13 at 2 p.m. in the BTI auditorium

- Audit Committee on Oct. 13 at 5:30 p.m. in the A.D. White House.

- Academic Affairs Committee on Oct. 13 at 6:30 p.m. in the Bethe Seminar Room in Clark Hall.

- Committee on Land Grant and Statutory College Affairs on Oct. 14 at 7:30 a.m. in the Ballroom of the Ramada Inn.

Members of the public who wish to attend these open meetings of the executive committee and the board may obtain tickets at the Information and Referral Center in the Day Hall lobby. They will be given out on a first-come, first-served basis.

2 more councillors inducted

Two Cornell alumni, Donald P. Berens of Pittsford, N.Y., and Herbert Gussman of Tulsa, Okla., were inducted last week as presidential councillors.

Berens and Gussman join 25 others who "give their wisdom and advice on large matters of university interest at the request of the president," according to the 1966 trustee legislation that created the panel of councillors.

Councillors are named by the Board of Trustees, and their election is "a distinction conferred for life upon men and women who during their most active years have given high service to Cornell and have made an outstanding contribution to the future of higher education."

Initially limited to 25 members, the panel of councillors is now limited to a maximum of 35 members.

Berens, a 1947 graduate and among Cornell's foremost benefactors, is owner of D.P. Berens Inc. and is engaged in various retail businesses, including ice cream, flowers and gifts. He is an active fund raiser and a past national

chairman of the Cornell Fund.

Berens helped establish the Entrepreneur of the Year Program in the Johnson Graduate School of Management, and he and his wife, Margaret, also a 1947 graduate, have endowed a professorship of entrepreneurship.

Gussman, a 1933 graduate, is an independent oil producer and investor and chairman of Reserve Drilling Co., a managing partner of Gussman Oil Co. and partner of Nadel and Gussman Oil Co.

He served as chairman of the executive committee of Missouri Pacific Railroad Co. and is a director of other railway concerns and financial institutions in the Southeast.

Gussman and his wife, Roseline, a 1934 graduate, are honored among Cornell's foremost benefactors. The lobby of the Performing Arts Center will be named in their honor, and Gussman will play a piano there during the dedication ceremonies.

—Mark Eyerly

Tailgate parties no longer allowed in parking garage

Tailgate parties no longer will be permitted in a favorite site for fraternity and sorority tailgating — the parking garage adjacent to Schoellkopf Stadium.

The decision was made because using fires for cooking and food warming during tailgate parties violates fire regulations covering the structure, according to William E. Wendt, director of Transportation Services. The situation is particularly dangerous when portable fire units are placed on the hoods and tops of cars.

Warning signs will be posted at the garage in time for the Oct. 15 football game against Brown University.

The north end of Hoy Field, an area surrounded by hurricane fencing and used for parking by construction workers during the week, has been set aside for fraternity and sorority tailgating, according to Athletics Director Laing E. Kennedy.

Tailgating will continue to be permitted on Kite Hill and the open parking areas east of Schoellkopf Field, he explained.

—Martin B. Stiles