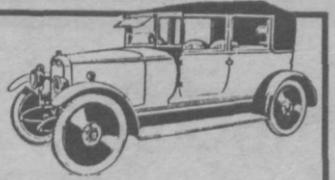


# Cornell CHRONICLE

Volume 20 Number 27 April 6, 1989

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New  
parking plans

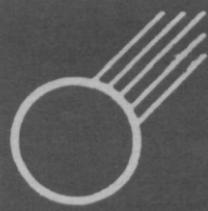


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CRASH

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Comets &  
organic  
compounds



## Performing Arts Center set to stage gala opening

After 20 years of thinking and 10 of focused planning, Cornell will dedicate its new Performing Arts Center next week. Events will be spread over three days, with the climax being a highly theatrical ribbon-cutting led by President Frank H.T. Rhodes on the stage of the horseshoe-shaped proscenium theater on the night of April 10.

Afterward, there will be a reception in the adjacent, three-story Herbert and Roseline Gussman Lobby, where Gussman, a member of the Class of 1933, will play the Alumni Song on a baby grand piano he has given the center.

The ceremonies in the theater will include short scenes and one dance piece from productions done this year by the Department of Theater Arts.

There also will be brief comments by members of the department, students and others who have been associated with the development of the Performing Arts Center, including Ithaca Mayor John Gutenberger and architects James Stirling and Michael Wilford of the London firm of James Stirling, Michael Wilford and Associates.

On the morning of April 9, the architects and contractor McGuire and Bennett, will host a reception for the people who actually built the center. In the afternoon, the university will host a reception for community people — officials and involved citizens — who have worked over the years to improve

town-gown cooperation and particularly to lend order and beauty to the development of Collegetown. On April 11, national architecture writers will talk with the architects and see the building.

Faculty began moving into the center last summer and classes began in the fall but final building touches were completed only recently; the first proscenium-theater production took place in March.

The Council for the Creative and Performing Arts began pressing for a center in 1968, and in 1969 Rhodes made its realization an early commitment of his presidency. The Collegetown site was chosen from among 21 options in 1981; Stirling Wilford was chosen in 1982; basic design-development drawings were presented in late 1983 and, after above-budget bids required several redesigns, construction actually began in the spring of 1986.

In addition to the evening dedication, several functions are planned on April 10 for invited guests of the university. There will be a lunch for the center's advisory committee; there will be 10 small classes, given in two 35-minute sessions, covering aspects of acting, directing, film, dance and the technical crafts of theater; and there will be tea and conversation with the architects, followed by the dinner and then the dedication ceremonies.

— Sam Segal

## New center was 20 years in the making

The idea of a performing arts center has been building since 1968, when the Council of the Creative and Performing Arts began urging the replacement of teaching space in Lincoln Hall and performing space in the old Willard Straight Theater.

By the early 1970s, there emerged a plan for a building that would include dance, theater and music; but because quality music and theater space have their own unique design and construction requirements, the

building would have been much larger and cost about three times more than the plan finally chosen, which provided for study only in theater, dance, film and video.

In 1979, Frank H.T. Rhodes made realization of a performing arts center one of the early commitments of his young presidency at Cornell.

The Collegetown site was chosen in 1981 after consideration of 21 locations.

Continued on page 12

## Film maker Spike Lee to show 'School Daze' and discuss his work

Film maker Spike Lee will talk about his film "School Daze" tonight at a 7:30 p.m. showing in Statler Auditorium sponsored by Cornell Cinema and Africana Studies.

Lee burst on the national scene three years ago with "She's Gotta Have It," an independent feature made on a shoestring budget with an all-black cast of unknowns.

Impressed by its box-office draw, Hollywood financed Lee to make "School Daze," a musical morality fable set in a mythical black college. Lee himself is a graduate of Atlanta's Morehouse College, Martin Luther King Jr.'s alma mater. His latest film explores issues of color and class among the African-American elite.

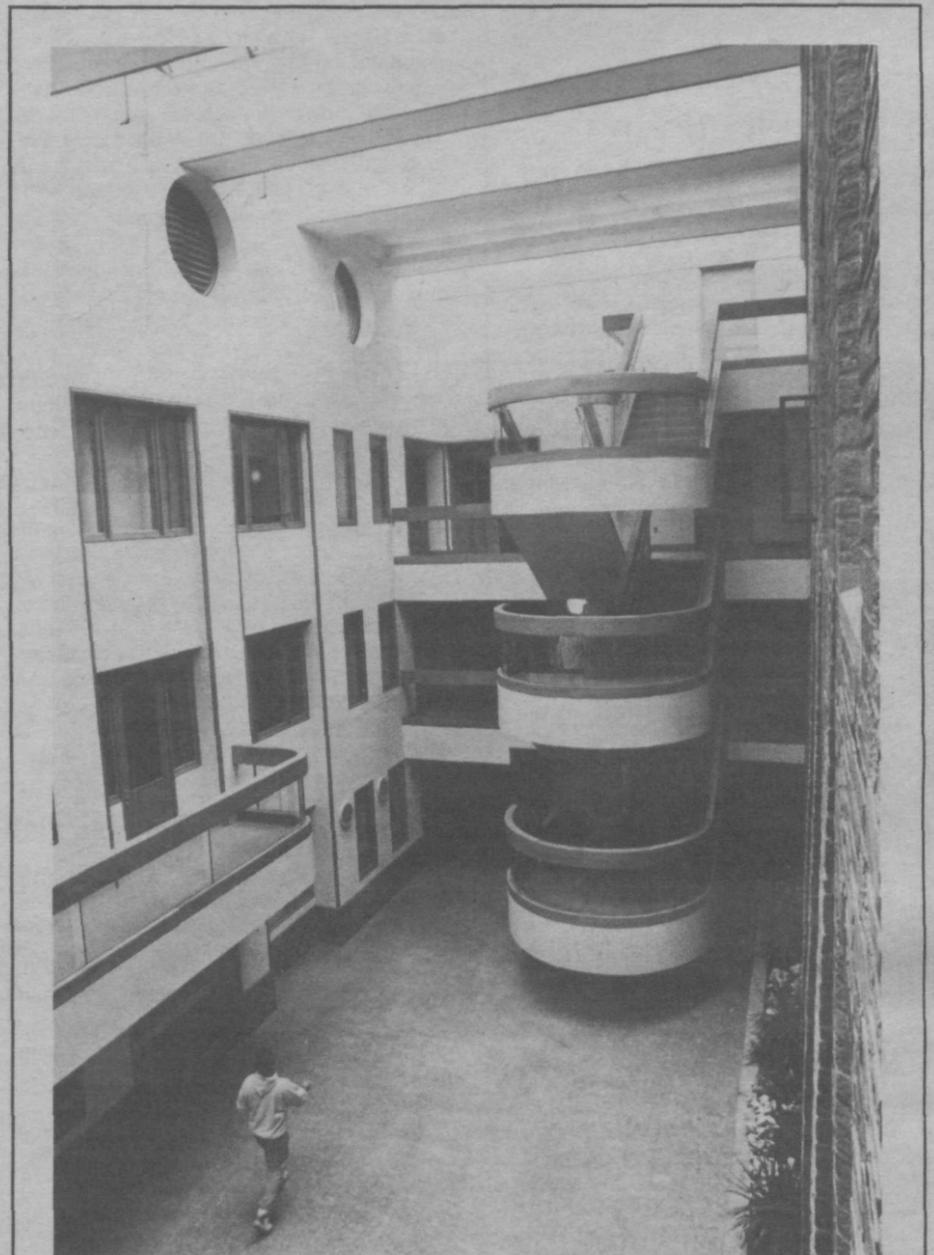
Lee said of the picture, "I think it's going to bother a whole lot of black people. Not that they don't know it's true. It's the fact that it's being exposed for the world to see that will bother them. But I hope they will see this film and come to the realization that there are too many things that keep us di-

Continued on page 9



Spike Lee

Universal City Studios



Jill Peltzman

**LAW ATRIUM** — The \$20 million expansion and renovation of Myron Taylor Hall, home of the Law School, will be dedicated Friday and Saturday. See story, page 5.

## Cornell panel concludes Morris responsible for computer worm

Graduate student Robert Tappan Morris Jr., working alone, created and spread the "worm" computer program that infected computers nationwide last November, concluded an internal investigative commission appointed by Provost Robert Barker.

The commission said the program was not technically a "virus" — a program that inserts itself into a host program to propagate — as it has been referred to in popular reports. The commission described the program as a "worm," an independent program that propagates itself throughout a computer system.

In its report, "The Computer Worm," the commission termed Morris's behavior "a juvenile act that ignored the clear potential consequences." This failure constituted "reckless disregard of those probable consequences," the commission stated.

Barker, who had delayed release of the report for six weeks at the request of both federal prosecutors and Morris's defense attorney, said, "We feel an overriding obligation to our colleagues and to the public to

reveal what we know about this profoundly disturbing incident."

The commission had sought to determine the involvement of Morris or other members of the Cornell community in the worm attack. It also studied the motivation and ethical issues underlying the release of the worm.

Evidence was gathered by interviewing Cornell faculty, staff and graduate students and staff and former students at Harvard University, where Morris had done undergraduate work.

Morris declined to be interviewed on advice of counsel. Morris had requested and has received a leave of absence from Cornell, and the university is prohibited by federal law from commenting further on his status as a student.

The commission also was unable to reach Paul Graham, a Harvard graduate student who knew Morris well. Morris reportedly contacted Graham on Nov. 2, the day the worm was released, and several times

Continued on page 12

## Notables

Cornell's Goldwin Smith Professor of the Humanities, A.R. Ammons, will be named a charter member of the Fellowship of Southern Writers on April 7 during the 1989 Conference of Southern Writers in Chattanooga, Tenn.

The Fellowship of Southern Writers, which includes 26 well-known writers including Ralph Ellison and Robert Penn Warren, was created two years ago to reward excellence in Southern literature.

Ammons was born near Whiteville, N.C., in 1926. He joined the Cornell faculty 35 years ago. Among the prizes and awards Ammons has received are the National Book Award for Poetry in 1973, The Bollingen Prize in Poetry in 1974, The National Book Critics Circle Award for poetry in 1981 and a MacArthur Foundation award in 1981, the so-called "Genius Award," worth \$264,000.

### Cornell offering Employment News by subscription

Cornell Employment News, a new newspaper published weekly by the Office of Human Resources and the Office of Equal Opportunity, now is available by mail.

Cornell Employment News contains the Job Opportunities listings that previously appeared in the Chronicle, as well as information on issues that affect university employees.

The new newspaper is available at the regular Chronicle drop-off points around campus.

The cost for mail orders is \$9 for three months, \$15 for six months and \$24 for one year. To order, send a check or money order made out to Cornell University to The Cornell Employment News, Cornell University Staffing Services, 160 Day Hall, Ithaca, N.Y. 14853.

### FCR to meet April 12

The Faculty Council of Representatives will meet on April 12 at 4:30 p.m. in 120 Ives Hall.

The agenda includes an update on the university's transportation master plan, a resolution from Professor Vernon Briggs on free and written expression, a resolution on S/U grading in the College of Veterinary Medicine and a resolution to create a committee on affirmative action.

## 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.

## Award-winning history writer to teach in fall

Historian David McCullough, best known as the host of the television series "Smithsonian World" and as the author of books about the building of the Panama Canal and the Brooklyn Bridge, will be the Newman Professor of American Civilization this fall.

McCullough will teach an undergraduate history course entitled "Americans in Profile" and will deliver a public lecture during the fall 1989 semester.

Currently the host of the Public Broadcasting Service television show "The American Experience," McCullough also is at work on a biography of Harry Truman, for which he received a Guggenheim Fellowship.

McCullough's course at Cornell will draw largely from biographical and autobiographical writings and will consider modern American history as seen through the lives of well-known political leaders such as Presidents Theodore Roosevelt, Harry Truman and Lyndon Johnson, naturalist Louis Agassiz, inventor Henry Ford, writer Willa Cather, artist Andrew Wyeth and performer Lena Horne.

McCullough has lectured at countless universities but this will be his first experience teaching a semester-long course, he said.

"Teaching a course that I can develop and give continuity and range to appeals immensely," McCullough said. "I'm proud and honored by the appointment. [Also,] I am delighted to have access to your library, which I'm told is one of the best anywhere."

"David McCullough is particularly interesting because of the way he moves across a lot of different cultures," said Walter F. LaFeber, the Marie Underhill Noll Professor of American History. "Some of his most important work has combined technology, and especially engineering, with American political and social history."

A Los Angeles Times writer called "The



David McCullough

Great Bridge," McCullough's book on the Brooklyn Bridge, "a book so compelling and complete as to be a literary monument." His book on the Panama Canal, "The Path Between the Seas," won a National Book Award for history. McCullough's biography of Theodore Roosevelt, "Mornings on Horseback," won him a second National Book Award.

His articles, reviews and essays have appeared in Audubon, Life, The New Republic, The New York Times Magazine, Psychology Today, Smithsonian and American Heritage, for which he is a contributing editor. He holds a total of eight honorary degrees in the humanities and engineering and won an Emmy for an interview with Anne Morrow Lindbergh, American author and wife of Charles Lindbergh, who made the first solo transatlantic flight in 1927.

The Newman Professorship was established in 1986 by Howard A. Newman, a 1942 Cornell graduate, with a commitment from the Jerome A. and Estelle R. Newman Assistance Fund to promote the exploration and celebration of "the unique history and development of America."

The first Newman professor was writer Alfred Kazin.

—Mark Eyerly

## British statistician to give lecture on AIDS

Sir David R. Cox, one of the world's most distinguished statisticians, will deliver a public lecture on "Short-Term Prediction of AIDS: The United Kingdom Experience" at 4:30 p.m. on April 12 in Room 45 of Warren Hall.

One of Cornell's Andrew D. White Professors-at-Large since 1983, Sir David will be on the campus from April 9 through 23 to meet with students and faculty.

Sir David is warden (head) of Nuffield College at Oxford University after serving as a professor of statistics at Imperial College of Science and Technology in London. In 1985, he was knighted by Queen Eliza-

beth II for his contributions to research and scholarship.

One of his specialties is medical statistics from which he will draw his report on AIDS. Author of many books on statistics, Sir David is a fellow of the Royal Society, a fellow and past president of the Royal Statistical Society, a fellow of the Institute of Mathematical Statistics and a fellow of the American Academy of Arts and Sciences. His past offices also include vice president of the International Statistical Institute and president of the Bernoulli Society for Mathematical Statistics.

—Albert E. Kaff

## Obituaries

Historian and author Dorothy Schullian Adelman, the first curator and principal developer of the History of Science Collections in the Cornell University Libraries, died at her home in Cayuga Heights on April 1 after a long illness. She was 82.

Dorothy M. Schullian, as she was known professionally, was an established authority on the history of medicine when she came to Cornell in 1961 to assume responsibility for developing Cornell's History of Science Collection. She guided the development of the collection from a nucleus of books in the history of embryology and anatomy into one of the world's most comprehensive collections in the field with more than 25,000 listings at the time of her retirement in 1972.

Before coming to Cornell, Schullian had taught at Western Reserve and Albion College and was with the National Library of Medicine in Cleveland from 1944 until 1961. She became chief of the History of Medicine Division there.

Included in Cornell's collection are six of Schullian's own books on the history of medicine. These include her translations of Carlo Francesco Cogrossi's "New Theory of the Contagious Disease among Oxen," written in 1714; Alessandro Benedetti's "Diaria de bello carolino," written in 1496, and the correspondence of Giorgio Baglivi (1668-

1707), papal physician.

Her publications number more than 100, and for 33 years she edited the section "Notes and Events" in the Journal of the History of Medicine and Allied Sciences, which is published at the Yale University School of Medicine.

Her scholarship and creative efforts, however, were not exclusively on the history of medicine. She was the author of a book titled "External Stimuli to Literary Production in Rome, 90 B.C." and also of a book written in collaboration with Max Schoen, titled "Music and Medicine," published in 1948.

Born in Lakewood, Ohio, Schullian graduated Phi Beta Kappa with a bachelor of arts degree from Western Reserve University in 1927. She did graduate work at Cornell in 1927 and received her doctorate from the University of Chicago in 1931.

Donations may be made to the Adelman Memorial Book Fund, in care of Cornell University Library.

Her husband, Howard D. Adelman, a noted scholar in the field of the history of science, died July 25, 1988. Services are scheduled for 3 p.m. on April 8 at the E.C. Wagner Funeral Home in downtown Ithaca. Interment will be in Lakewood Cemetery in Rocky River, Ohio.

## Briefs

■ **Julian Smith lectures:** John M. Prausnitz, professor of chemical engineering at the University of California at Berkeley, will give the second annual Julian C. Smith Lecture Series on April 10 and 12. Both lectures will be at 4 p.m. in 255 Olin Hall. Prausnitz will address the topics "Putting the Pieces Together: The Synthetic Character of Molecular Thermodynamics," and "From Apollo to Prometheus: What the Humanities Can Teach Us About Engineering Education."

■ **Messenger Lecture:** Peter Nye, an emeritus professor in the Department of Plant Sciences at Oxford University, will give this semester's Messenger Lectures on April 11, 12 and 13. The series is titled "Towards the Quantitative Control of Crop Production and Quality." Nye was elected a Fellow of the Royal Society of England in 1987. For lecture topics, times and locations, see the Calendar listings under lectures.

■ **Film co-sponsors:** Cornell Cinema is accepting applications from faculty and organizations for co-sponsorship of films for the fall. The deadline is April 17. For information, call Richard Herskowitz or Mary Fessenden at 255-3522.

■ **Blind photographer:** Blind art photographer Nazih Rizk will lecture several times next week on his techniques of using the imagination and the senses to make photographs. Rizk, who represented the Egyptian government at the Festival of Arts in 1988 in Birmingham, Ala., was awarded a Medal of Commendation by the Very Special Arts Program of the John F. Kennedy Center for the Performing Arts, Washington, D.C. His photographs will be on display on campus, too. For details, see listings in the calendar section under exhibits and lectures.

■ **Student vacancies:** Undergraduate or graduate students wishing to fill student memberships on four faculty committees during the 1989-90 academic year must submit applications by April 14. There are openings on committees covering lectures, libraries, music and ROTC. Details and applications are available at the Office of the Dean of Faculty in Day Hall, the Office of the Dean Students in Barnes Hall, at the Information and Referral Center in Day Hall and at the desks in Willard Straight Hall, Noyes Center and Robert Purcell Union.

■ **Liberal arts & careers:** College of Arts and Sciences alumni will discuss the value of liberal arts degrees in careers in a variety of fields during three panels scheduled April 14 from 3:30 to 5:30 p.m. in Rockefeller Hall. A panel for students in the humanities will be in Room 132, there will be a panel for students in the sciences and mathematics

Continued on page 12

■ **A. Frank Ross,** emeritus professor of plant pathology, died on March 28 at the Baptist Medical Center in Phoenix, Ariz., following a heart attack. He was 78.

A member of the Cornell faculty from 1946 until his retirement in 1973, Ross achieved international recognition as an authority on plant viruses and is credited with developing the first course in plant virology at Cornell.

Upon his retirement he moved to Sun City, Ariz., where he lived at the time of his death.

Ross was born in New Hampton, Mo. He earned a bachelor of science degree in 1933 and a master's degree in 1934, both in agriculture at the University of Missouri. He received a doctorate in plant biochemistry from the University of Wisconsin in 1937.

Survivors include his wife, Avis Lucille Ross of Sun City; a daughter, Rebecca Irene Ross of Phoenix, Ariz., and son, John Charles Ross of Mechanicsburg, Pa.

A memorial service for Charles R. Henderson, emeritus professor of animal science, is scheduled for 2 p.m. on April 12, at St. Paul's Methodist Church in downtown Ithaca. Henderson died March 14. He was 77.

# Plan would add parking places, restructure fees

A five-year transportation plan being presented to university constituencies this spring will aim at improving transportation services by adding at least 600 parking spaces on or near the campus, including a greater number of short-term parking spaces in central campus. Under the plan, fees paid for parking permits will increase beginning this summer.

The proposal is an outgrowth of work during the past several months by Cornell administrators and consultants to develop a master plan for the university's physical development, said William D. Gurowitz, vice president for campus affairs. The master plan suggests where and how Cornell should grow and how it should manage that growth, including the increasing numbers of people and cars that come with growth, Gurowitz explained.

The campus master plan shows that Cornell will need 1,300 new parking spaces in five years, or 1,800 new spaces over the next 10 years. This proposal is the first step in response to that need, Gurowitz said. Currently, Cornell utilizes more than 9,200 parking spaces and maintains more than 17 miles of roadways.

The parking changes are part of a series of transportation revisions that will make it more convenient for drivers to find parking on campus, improve the traffic flow on and around the campus, and make the university's parking system and fee structure more equitable, Gurowitz said. The plan incorporates comments Gurowitz received from faculty and staff in response to a letter he sent last December soliciting ideas for improvements to campus transportation and parking.

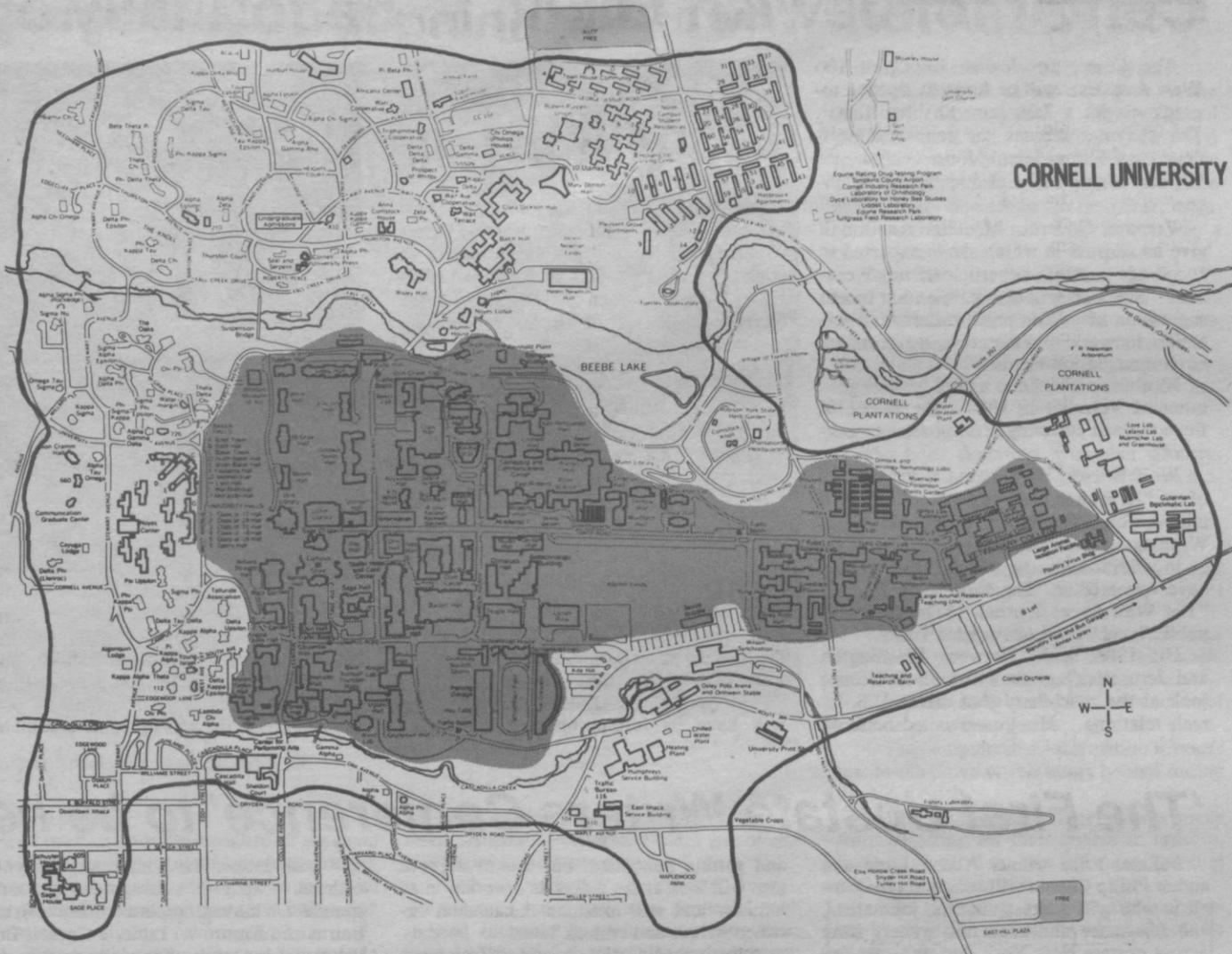
"This plan will make our fee structure more equitable and will continue to provide a free-parking option," he said. "We've put this plan together with an eye toward providing adequate parking, transit and circulation while maintaining sensitivity to preserving Cornell's green space." Gurowitz noted that many people consider this a "walking campus," and he stressed his concern for the safety of pedestrians and bicyclists using the campus.

Among the changes:

- There will be three basic parking rates: central campus, campus perimeter and free parking. Central campus permits will have access to all campus areas and perimeter permits will include all residence hall lots that are within a short walking distance or a bus ride of work and study locations.

- The lines in the A and B lots will be repainted to narrow the spaces to the standard 8.5-foot width, adding a total of about 100 spaces.

- The B Lot on Route 366 will be converted to a paid lot, and a 500-space free parking lot will be built at East Hill Plaza. This new lot will be serviced by a shuttle bus. Two-thirds of the people currently parking in the B Lot work in the Veterinary College complex, and many other people have noted that it is not fair for them to park for free next to their work site while other faculty and staff have to pay for nearby parking, Gurowitz said.



Proposed parking plan would designate a central campus zone, an outer zone and free parking at A Lot and East Hill Plaza.

- Permits for driving and parking on central campus, including parking in the garage on Campus Road, will cost \$244 a year. The new fee represents a charge of 94 cents a day, or \$9.40 biweekly. It is a \$44 increase over the \$200 charged this year for central campus parking and a \$56 increase over the \$188 currently charged for parking-garage permits. This fee will cover current permits P, L, J, H, D, Y, N, G and departmental Z permits. The letter-based parking areas within the Central Campus zone will remain next year.

- Permits for parking in the area surrounding the central campus — including the B Lot to the south, Stewart Avenue to the west, Jessup Road to the north and Caldwell Road to the east and including all residence hall lots — will cost \$164. The new fee represents a charge of 63 cents a day, or \$6.30 biweekly. It is a \$13 increase over the \$151 currently charged for K, O and R permits, and a \$164 increase over the currently free B, E, CF and CP permits.

- The number of visitor and two-hour Red Zone parking spaces on central campus will increase from the current 262 to about 400 next fall.

- The number of short-term, pay-by-the-hour perimeter parking spaces open to any user will increase from 147 to about 600 by next fall. These will include part of Kite Hill behind the Crescent, the lot at the corner of Judd Falls and Tower roads and the parking spaces on West Avenue at the base of Libe Slope. Those who need to park

on campus only occasionally may find this a more attractive option than purchasing an annual permit, Gurowitz said.

- Students will be given the opportunity to park in the new free lot at East Hill Plaza, and this will be their first free-parking option.

- Fines for parking violations may be raised to an as-yet-to-be-determined level above the current \$12. The current fine is not considered by some to be a deterrent to illegal parking, Gurowitz said.

- The university will step up efforts to deter illegal parkers by increasing enforcement.

The changes will bring the total number of parking spaces provided by the university on or near campus to about 9,800. While now there is no charge to faculty and staff for parking in about one-fifth of the university's parking spaces, this proposal would keep about 1,200 spaces, or more than one-tenth, for free parking.

The higher parking-permit fees and potentially increased fines for parking violations will help raise an additional \$810,000 needed to improve and maintain campus roads and transit services, Gurowitz said. Another \$575,000 for road and transit improvements will come from a 2 percent transportation fee that has been levied on all new construction projects on campus.

The total budget for the Office of Transportation Services will exceed \$5 million next year. It will include more than \$500,000 in direct university subsidy and

\$2.7 million from parking fees and fines. About \$1.2 million will be spent to operate CU Transit.

As the transportation plan took shape, it was shared with the faculty, staff and student members of the Committee on Transportation Services and the Campus Planning Committee, Gurowitz said.

Presentations and discussions of the plan are taking place with many campus and community groups.

Other changes may include card-operated gates to control access to North Central Avenue (behind the Arts Quad) and the parking areas behind Tjaden and Sibley halls, said William E. Wendt, director of the Office of Transportation Services. Currently, drivers can enter those two areas without passing a traffic control booth.

The proposal also calls on the university to begin site reviews for a second parking garage and to work with local governments to develop a comprehensive park-and-ride commuting system.

A study of area transit systems will be conducted by faculty in the College of Engineering, Wendt said.

Integration of a campus bikeway system is also being developed with the assistance of faculty in the department of Landscape Architecture.

"Our current parking system meets our needs, but with difficulty," Wendt said. "The already serious traffic congestion will get worse without parking and circulation improvements."

## 'Scissor' algae next BTI topic

The recent discovery that a certain type of virus "programs" microscopic aquatic plants known as algae to produce restriction enzymes, or "chemical scissors," used for genetic engineering will be discussed at the next Boyce Thompson Institute Distinguished Lecture on April 19 at 2 p.m. in the institute's auditorium.

Molecular biologist James Van Etten, the William Allington Distinguished Professor at the University of Nebraska, who made the discovery, will lecture on "A Virus-Infected Eucaryotic Green Alga as a New Source of DNA Modification and Restriction Enzymes."

The lecture is co-sponsored by the Biotechnology Program.

## Willard Straight Hall to close April 19 at students' request

At the urging of the Students of Color Coordinating Committee (SCCC), Willard Straight Hall will be closed April 19 to commemorate the 20th anniversary of the building's takeover by black students.

Straight Director Cleo Bash made the decision after she and her Administrative Board, comprising representatives of student groups who use the Straight, met with numerous groups of students, faculty and staff "over several weeks," Bash said in a statement issued yesterday.

"The decision responds particularly to a request by the Students of Color Coordinating Committee," the statement said.

Bash said the decision enables the campus "to commemorate a period when 'business as usual' ceased . . ."

The SCCC, with the help of university funds, has taken over the planning of commemorative activities following the disbanding in February of an administration

committee appointed for that purpose by President Frank H.T. Rhodes.

The committee disbanded after black members resigned in the wake of the Board of Trustees' Jan. 27 vote to continue its selective-divestment policy concerning companies doing business in South Africa.

While noting the need for patience and understanding by the more than 10,000 people who use the Straight on an average day, Bash said in the statement:

"The symbolic act of closure provides an opportunity for students, faculty and staff both to refocus attention on the events of 1969 and to assess where we need to go as a university in improving understanding among people of different races and ethnic groups."

The SCCC is continuing to plan commemorative meetings at the Straight both earlier and later in the week of April 17, Bash said.

## Messenger talks to focus on soil, crop production

Peter Nye, an emeritus professor in the Department of Plant Sciences at Oxford University, will give this semester's Messenger Lectures on April 11, 12 and 13.

The series is titled "Towards the Quantitative Control of Crop Production and Quality."

Nye, who shared the Agronomy Prize of the Institute Mondial Du Phosphate in 1982, was elected a Fellow of the Royal Society of England in 1987.

He is co-author of two books about soils.

For lecture titles, times and locations, see the Calendar listings under lectures.

## Center for Jewish Living to be formally opened April 7

The Center for Jewish Living at 106 West Ave. Ext. will be formally opened tomorrow with a 7:30 p.m. Shabbat dinner. The center combines the renovated residences of Young Israel House with a new 300-seat dining hall and three kosher kitchens.

Vermont Governor Madeline Kunin will give an address in which she is expected to encourage students to participate in government. She also will elaborate on her recent suggestion of getting policymakers and scientists to work together to solve complex environmental problems.

Kunin was elected to a third term as governor of Vermont in 1988. She is one of three women currently serving as state governors.

Wolf Blitzer, Washington Bureau Chief of the "Jerusalem Post" is expected to give a talk on his "Reporter's Notebook: From Washington to Jerusalem."

In addition to the "Post," his articles have appeared in "The New York Times," "The Wall Street Journal," "The New Republic," and "The Los Angeles Times."

His 1985 book "Between Washington and Jerusalem" gives a behind-the-scenes look at the machinery that drives U.S.-Israeli relations. His long-awaited book on



Wolf Blitzer

the Pollard spy case, entitled "Territory of Lies," will be published in May.

On April 8, the center's Gallery of Art will have its formal opening, displaying



Madeline Kunin

Iberia Airline's photographic exhibit, "Jewish Roots in Spain." The show will run through May 31.

Alongside the photographic exhibit will

be tapestries by Israeli artist Kopel Gurwin.

A special brunch will be held on April 9 at noon, after which there will be a dedication of the chapel and the description of its 10 stained glass windows with verses from Ecclesiastes and Numbers.

After the evening meal that day, Gertrude Hirschler, New York City-based writer, editor and translator specializing in Jewish literature, will deliver a lecture titled "The Life of Rabbi Samson Raphael Hirsch: Rabbi and Revolutionary."

The center will inaugurate its lecture series, "Masters In Excellence," on April 12 at 7:30 p.m. with economist Albert Wojnilower, a senior adviser and managing director of the First Boston Corporation, an international investment banking firm with headquarters in New York City.

His address is titled "One Industrial World" and his comments will include an outlook for interest rates and the dollar.

The center's lectures are free and open to the public. Admission to the art gallery also is free, except this Saturday evening, when it is by invitation.

Meals at the Kosher Dining Hall are one of the options available to students on the university meal plans (co-op) and are available to the Cornell community.

## 'The First Upstate Writers Conference' to be held on April 30

Pulitzer Prize winner Alison Lurie and author Philip Caputo will be among the panelists who will address authors, journalists, and free-lance and academic writers from across upstate New York during a one-day writers conference here on April 30.

Topics ranging from conglomerate ownership of publishing enterprises and the changing nature of university presses to the number of free copies provided to a book's author will be discussed, said conference organizer David Lindorff, a free-lance journalist and lecturer in the Department of Communication.

"Writer and publisher — if ever there was an ambiguous relationship, this is it," Lindorff said. "Most conferences for writers are about the nuts and bolts of writing

and getting published, but this conference also will look at the writer as a worker in an industry and will examine the tension between writers and editors."

Other panels will consider free-lance writing from upstate New York, the pleasures and perils of writing on science and medicine, and collective action by writers.

The conference is being sponsored by the 2,600-member National Writers Union, the Ithaca Press Club, the Department of Communication and the Extension Division of the School of Industrial and Labor Relations, Lindorff said. The National Writers Union represents free-lance writers throughout the country.

Caputo, the author of "A Rumor of War," "Horn of Africa" and "Indian Coun-

try" will deliver the conference's keynote address. Caputo is a former foreign correspondent, having reported from Rome, Beirut and Moscow. Lurie, a Cornell English professor and author of the novels "The Truth About Lorin Jones," "Foreign Affairs" and "The War Between the Tates," will participate in a panel discussion on authors' agents.

Also participating will be National Writers Union President Alec Dubro. "Don't get us wrong: We love to write and publish," Dubro said in an interview earlier this year. "But we work in an unorganized industry with artificially low fees and paternalistic work practices that were hoary in Dickens's time. We'll be working for substantive changes in 1989."

Other participants will include historian Marvin Gettleman, author of the book "Vietnam and America;" Cornell music Professor Don Randel, editor of the "Harvard Dictionary of Music" and Dennis Meredith, senior science editor of the Cornell University News Service.

Registration will begin at 9 a.m. in the Ives Hall lobby, with panel sessions beginning at 10 a.m. The registration fee is \$5 for students; for others it is \$20 in advance and \$25 at the door.

More information and a schedule of the day's events may be obtained by writing to David Lindorff, Department of Communication, Cornell University, 640 Stewart Ave., or by phoning 255-6500.

—Mark Eyerly

## Structure of blood-clotting protein yields key to disorder

Biophysical chemists at Cornell have achieved for the first time a basic molecular understanding of a congenital bleeding disorder.

They expect that the discovery of the structure of a portion of fibrinogen Rouen — the defective protein blamed for a bleeding disorder called congenital dysfibrinogenemia — and a corresponding piece of native (or unaltered and healthy) fibrinogen will increase hematologists' understanding of that and other bleeding disorders.

Congenital dysfibrinogenemia, although not related to the more familiar disease hemophilia, produces a similar clotting deficiency and can cause a person to bleed to death.

The Cornell discovery also may apply to the opposite medical problem — the unwanted clotting of native fibrinogen in diseases such as coronary thrombosis — by improving the design of anticoagulant drugs.

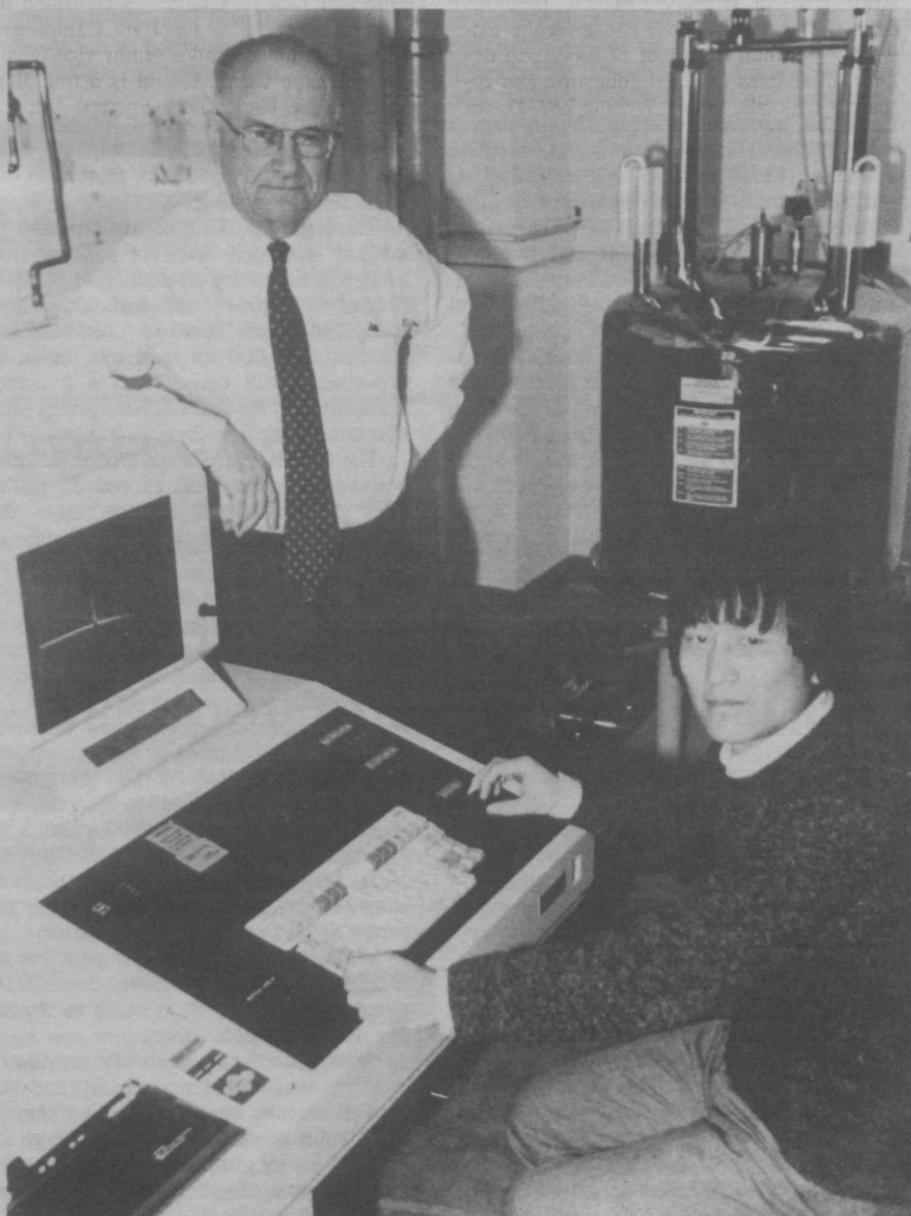
The molecular structure determination is the work of Feng Ni, a former Cornell graduate student who is now a research associate at the Canadian National Research Council's Biotechnology Research Institute in Montreal, and Harold A. Scheraga, the Todd Professor of Chemistry at Cornell.

Results of the four-year Cornell-based study are published in a series of articles in the April 4 issue of the journal *Biochemistry*. The studies were sponsored by the National Institutes of Health (NIH).

Fibrinogen is a key component of the blood clotting process. When a wound occurs, fibrinogen is transformed by the enzyme thrombin into fibrin, a network-like structure that provides the framework for blood clots to stop bleeding.

The Cornell scientists determined fibrinogen's molecular structure by using a high-resolution nuclear magnetic resonance (NMR) spectrometer at Syracuse University and a peptide synthesizer peptide sequencer at Cornell's Biotechnology Institute. Calculations for interpreting the NMR spectra were performed at the Cornell National Supercomputer Facility.

Bleeding disorders can be caused by al-



Jill Peltzman

A nuclear magnetic resonance (NMR) spectrometer similar to this one helped Harold A. Scheraga, left, and Feng Ni determine the molecular structure of a genetically defective protein that prevents blood from clotting.

tered amino acids in the fibrinogen molecule, explained Scheraga, who has spent more than 40 years studying the chemistry of blood clotting. The Cornell chemists focused on fibrinogen Rouen, named for the French city where the disorder was first detected.

"Fibrinogen has to be in the right three-dimensional shape in order to present that peptide bond in the proper orientation to interact with thrombin," Scheraga said in an interview. "Thrombin has a kind of lima bean shape, with a cleft. The polypeptide changes its shape, adopting that which it has in the fibrinogen molecule when it attaches to thrombin, and fits with the 'attackable' peptide bond in the cleft."

"We found with NMR spectroscopy that this polypeptide portion of fibrinogen — by itself — does not have a regular shape but that, when it is attached to thrombin, it takes on the shape it has in the fibrinogen molecule," Scheraga said.

The Cornell chemists compared the sequences of native fibrinogen with fibrinogen Rouen and made synthetic copies of 23-amino-acid pieces of each for NMR analysis. They verified that fibrinogen Rouen, which has the amino acid valine where glycine should be, does not clot easily; then they determined the three-dimensional structure of this polypeptide attached to thrombin.

"Fibrinogen Rouen didn't fit the same way into the thrombin cleft," Scheraga said. "Just having a glycine-to-valine mutation distorted the molecular structure of fibrinogen, inhibiting the transformation to fibrin, and thus inhibiting the clotting process."

"Now that we have, for the first time, a basic molecular understanding of a bleeding disorder," Scheraga said, "it is up to the clinicians to develop therapeutic means to treat these disorders."

Victor Marder of the University of Rochester School of Medicine — a specialist in bleeding disorders — said the discovery will be particularly useful, both in the treatment of bleeding disorders and in the search for more effective anti-coagulants.

—Roger Segelken

# Book warns of misconceptions about 1987 market crash

The long-term consequences of the October 1987 stock market crash have been underestimated, and the country's financial systems face grave danger unless reforms are made, a new study warns.

The collapse in stock prices was not the critical event: more important was that the entire worldwide financial system approached complete meltdown for a number of reasons, including these:

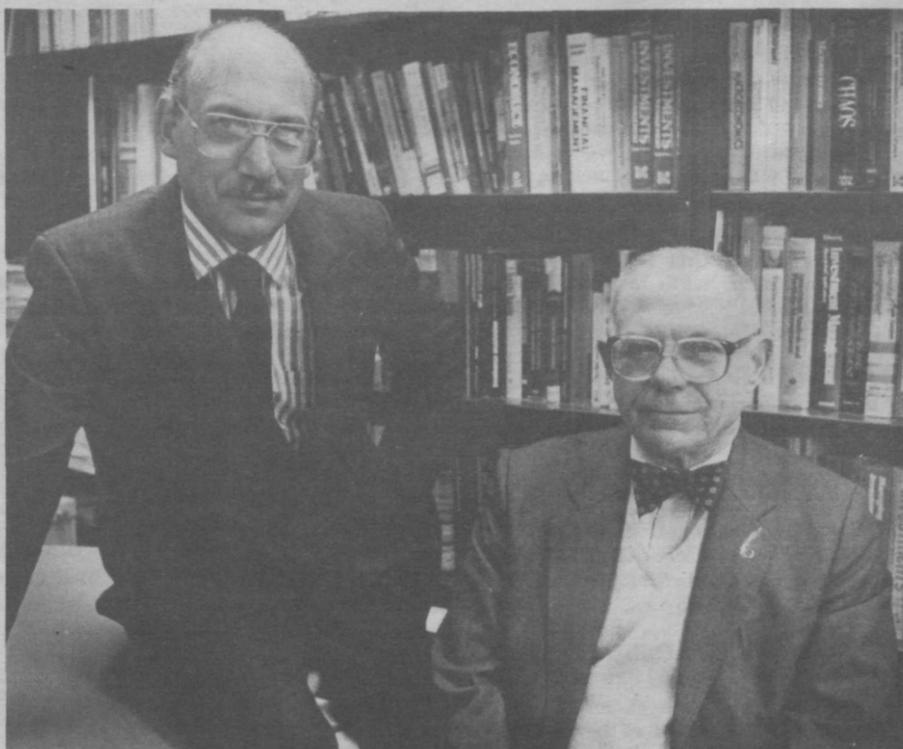
- Problems with market-making mechanisms, mainly with specialists who failed to keep an orderly and continuous market.
- Collapse of the trading information system.
- Risk control safeguards that did not work.
- Lack of synchronization between the stock, futures and option markets.
- Effects of U.S. and foreign markets on each other.

The study was conducted and written by Avner Arbel, a finance professor in the School of Hotel Administration and an adviser to the Brady Presidential Task Force that investigated the 1987 crash, and Albert E. Kaff, a business journalist at Cornell. The work will be published as a book on April 19 entitled "Crash: 10 Days in October . . . Will It Strike Again?" (Longman, Chicago).

The authors contend that the current post-crash speculative wave of leveraged buyouts, takeovers and junk bond financing may prove more dangerous than the speculative bubble largely responsible for the October 1987 crisis.

They warn of the growing monopoly of power held by large financial institutions and present evidence of the key role these organizations played in causing and accelerating the crash. They also show how Wall Street often treated individual investors as inferior market participants, and question whether the stock market now is safe for individual investors.

Written in non-technical language for general readers, the report describes, often hour by hour, critical events during the 10 days surrounding the stock market crash, many of them previously unknown to the



Avner Arbel, left, and Albert Kaff

general public.

In contrast to wide criticism of program trading, the authors say that program trading actually played a positive role in the crash by shortening the price plunge to only a few days.

The book describes what went wrong in 1987 and what needs fixing immediately. The authors note that banking and financial systems today are, for the most part, regulated under the same rules that were adopted more than 50 years ago during the first term of President Franklin D. Roosevelt. These rules are unable to cope with today's volatile markets involving highly complicated and risky financial products, simultaneous trading in stocks and futures, the vastly increased volume of trading, and the linkage

of U.S. markets with financial markets in Asia, Australia, Canada, Britain and Western Europe, the study says.

"We ask whether investment houses, politicians and regulatory agencies with vested interests in maintaining the status quo in financial markets are attempting to hide the truth about the crash," Arbel said.

"Our research shows that unless corrective measures are taken, the financial system as a whole, and not only the stock market, may collapse in the future even if the economy performs reasonably well."

The authors write: "At least four major committees and task forces and hundreds of independent experts did an excellent job in collecting the evidence left by the crash, assessing what went wrong and making rec-

ommendations on how to fix the system.

"While experts do not all agree on the details, one conclusion is clear: Critical problems exist in the way in which financial systems work, and these problems should be dealt with promptly. At best, it would be naive, if not downright irresponsible, to assume that the October 1987 crash was a one-time only event."

Describing the book, Kaff said: "We used the worst-case-scenario approach to describe critical situations that need immediate corrective action in order to make our points clear to the public, legislators and controlling agencies. I wish somebody had done the same with savings and loan associations five years ago."

The book describes a number of areas that need to be brought up to date, including:

- Exchange trading mechanisms, particularly the specialist system.
  - Handling of transactions by individual investors to guarantee them equal market opportunities.
  - The role of big investment houses, which can stop trading any time they wish, and their relation to the specialists.
  - Implementing safeguards to control extreme price movements.
  - The computer and information services that broke down or fell hours behind during the 1987 crash.
  - The shift of brokerage houses away from investing for their clients in order to trade more for their own accounts, creating potential conflicts of interest.
  - The critical need to limit high risk taking by financial institutions which should be averting risks.
  - Synchronization between the stock and futures index markets.
  - Disparities in regulations controlling stock and futures markets.
  - Money market funds that are operating outside banking regulations.
- Arbel is a professor of financial management and investing. Kaff, a former foreign correspondent for United Press International in Asia, is business and international editor of Cornell's News Service.

## Law School addition to be dedicated on April 7 and 8

More than 200 invited alumni and friends will join faculty members and others on April 7 and 8 to dedicate the \$20 million expansion and renovation of Myron Taylor Hall, home of the Law School.

The building, constructed in 1932, is one of the campus's architectural gems. The new six-level addition adheres to its collegiate gothic style and provides much-needed library, office and classroom space. The original law library was designed to accommodate 70,000 volumes and a staff of three but now must house 385,000 volumes

and staff of 21.

Formal activities will begin at 3 p.m. on April 7 when Peter W. Martin, previous dean of the Law School and now the Edward F. Cornell Professor of Law, will deliver an address on legal education and research. His talk, titled "Writing Law Down and Looking it Up: From Littleton to Laser Disk and Beyond," will be given in the John W. MacDonald Moot Court Room.

At 4 p.m., a dedication ceremony will be held in the building's stunning new atrium. Speakers will include President Frank H.T.

Rhodes, Law School Dean Russell K. Osgood, and Law School alumni Milton S. Gould and Jack G. Clarke, co-chairmen of the Law School's Capital Campaign. Clarke is a director and a senior vice president of Exxon Corp.; Gould is a founding partner of the New York City law firm of Shea and Gould.

During the ceremony, the new addition will be dedicated in honor of Jane M.G. Foster, a 1918 Law School graduate and longtime benefactor of the school.

Foster, 95, was one of two women

among the 34 law graduates in 1918. The Law School already awards a Jane M.G. Foster Scholarship in her honor to students of high scholastic achievement who demonstrate financial need.

On April 8, two law professors, Jonathan R. Macey and Dale A. Oesterle, will join alumni Karl J. Ege, David L. Boehnen and Joseph Hinsey for a panel discussion on corporate law. The discussion will begin at 10 a.m. in the John W. MacDonald Moot Court Room.

—Mark Eyerly

## Sears Lecturer to discuss animal flight aerodynamics

Sir James Lighthill, provost of University College, London, will lecture on "Aerodynamics of Animal Flight" on April 14 as the 1989 W.R. Sears Distinguished Lecturer. His lecture will begin at 4:30 p.m. in B17 of Upson Hall.

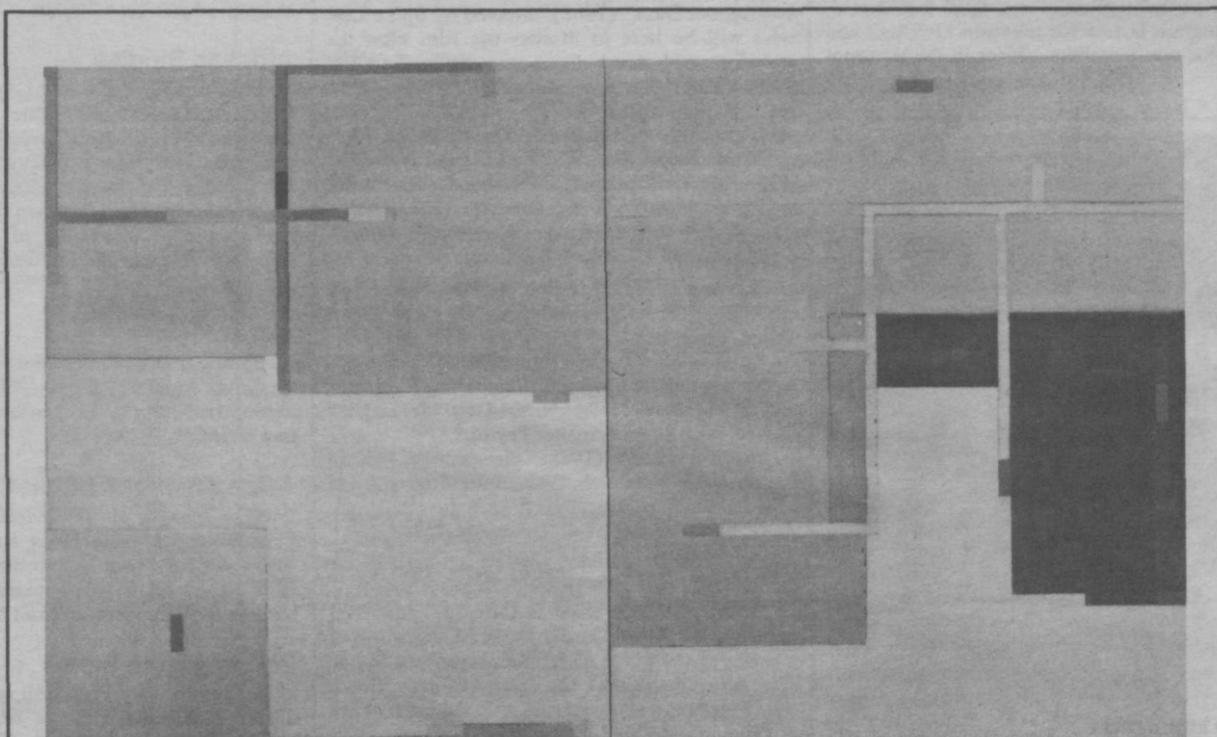
Sir James will deliver two other talks during his Cornell visit, April 10 through 14. He will lecture on "Biofluidynamics of Balistiform Locomotion: Or What Triggers the Trigger-Fishes" at 4:30 p.m. on April 10 in the Hollis E. Cornell Auditorium of Goldwin Smith Hall, and on "Hydrodynamics of Hearing" at 4:30 p.m. on April 12 in B17 of Upson Hall.

Sir James is a former director of the Royal Aircraft Establishment, the British equivalent of the National Aeronautics and Space Administration, and a former holder of the Lucasian Professorship of Natural Philosophy at Cambridge, a professorship once held by Isaac Newton.

He also held professorships at Manchester and at Imperial College and was founder and first president of the Institute of Mathematics and its Applications, president of the International Union of Theoretical and Applied Mechanics and secretary of the Royal Society of London.

The lecture series was established in 1985 by the College of Engineering and the Graduate Field of Aerospace Engineering in honor of William "Bill" Sears, who is recognized as the father of aerospace engineering at Cornell. He joined the faculty of the University of Arizona after leaving Cornell in 1974 and is now professor emeritus there.

Sears was the founding director of the School of Aerospace Engineering and later served Cornell as the first director of the Center for Applied Mathematics. He is a member of the National Academy of Sciences, the National Academy of Engineering and the American Academy of Arts and Sciences.



**CHEROKEE'S THE NAME** — Twenty-four paintings by Michael Boyd, many given the names of towns he has passed through, are touring the state of Iowa in an exhibition mounted by the Davenport Museum. Other works by Boyd, a professor of design in the College of Human Ecology, are on display at New Visions Gallery in downtown Ithaca, along with works by Art Department Professor Kay WalkingStick and others. That show, "The New York Connection," will be on view through May 27. Two other Cornell art professors, Victor Kord and Steve Poleskie, are currently exhibiting work at The Upstairs Gallery in the DeWitt Mall. That show will be up through April 29.

# CALENDAR

All items for the calendar should be submitted (typewritten, double spaced) by campus mail, U.S. mail or in person to Joanne Hanavan, 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.

"American Art to 1945," an exhibition of 19th-century landscapes and cityscapes and 20th-century paintings and sculpture, will be on view through the end of May. Most of the works are from the museum's own collection.

## Uris Library/Robert Purcell Union

Photographs by Nazih Rizk, who is blind, in the lobby and gallery Uris Library, April 7 through 11, and in the north lobby of Robert Purcell Union, April 7 through 13. Rizk, a native of Egypt, was awarded a Medal of Commendation by the Very Special Arts Program of the John F. Kennedy Center for the Performing Arts, Washington, D.C., and represented the Egyptian government at the Festival of Arts in 1988 in Birmingham, Ala.

## Hartell Gallery

Works by Milan Aleksic, MFA, through April 8; works by Diane Matyas, MFA, April 8 through 15. The gallery is situated in Sibley Dome, open Monday to Friday, 8 a.m. to 5 p.m.

## Kosher Dining Hall Art Gallery

"Jewish Roots in Spain," an exhibition of photographs, and tapestries by Kopel Gurwin, April 10, in the new kosher dining hall of the Center for Jewish Living, 106 West Avenue Extension.

## Textiles & Apparel Gallery

Designs by fashion designer Mary McFadden will be on exhibit through April 22. Gallery hours are 1 to 7 p.m. Monday through Friday and 1 to 5 p.m. Saturdays. The gallery is situated in Room 317 Martha Van Rensselaer Hall.

## Olin Library

"The Many Faceted Dr. Fiske: A Belated Recognition," an exhibition of books, documents, letters and photographs showing the many interests and activities of Willard Fiske, Cornell's first librarian, as a student, traveller, journalist, librarian, reformer, teacher, scholar, chess player and book collector, through July 15, Monday through Friday, 9 a.m. to 5 p.m.

## FILMS

Films listed below are sponsored by Cornell Cinema unless otherwise noted. Cornell Cinema films cost \$3 and are open to the public unless otherwise noted, except for weekend films in Uris and Statler, which are \$4. An (\*) means admission is charged.

### Thursday, 4/6

"Sacrifice and Bliss," part four of the six-part video series "Joseph Campbell and the Power of Myth," sponsored by the Alternatives Library, 4 p.m., Commons Coffeehouse, Anabel Taylor Hall.

"An Evening at the Maharanees," 10th part of "Jewel in the Crown" series, sponsored by South Asia Program, 5 p.m., 310 Uris Library.

"School Daze" (1988), directed by Spike Lee, who will be here to discuss the film after the showing, with Larry Fishburne, Spike Lee and Tisha Campbell, co-sponsored by Africana Studies and Pentangle, 7:30 p.m., Statler. Advance sales available April 5-6, 12:15 to 4 p.m.\*

"Pink Floyd The Wall" (1982), directed by Alan Parker, with Bob Geldof and Bob Hoskins, 9:30 p.m., Uris.\*

### Friday, 4/7

"Love is a Dog from Hell" (1988), directed by Dominique Deruddere, with Josse De Pauw, Geert Hunaerts and Michael Pas, 7:15 p.m., Uris.\*

"Kiss of the Spider Woman" (1985), directed by Hector Babenco, with William Hurt, Raul Julia and Sonia Braga, co-sponsored by the English Department, 8 p.m., Anabel Taylor.\*

"Mystic Pizza" (1988), directed by Donald Petrie, with Annabeth Gish, Julia Roberts and Lilli Taylor, 9:30 p.m., Uris.\*

"Pink Floyd The Wall," midnight, Uris.\*

### Saturday, 4/8

"Princess Sita's Hand is Offered," and "Romance in the Royal Garden," parts five and six of a series of the video saga "Ramayan," an Indian epic, co-sponsored by University Library, South Asia Program, and Southeast Asia Program, April 8, 1 p.m., L-04 Uris Library.

"Amadeus" (1983), directed by Milos Forman, with Tom Hulce and F. Murray Abraham, 7 p.m., Statler.\*

"Mystic Pizza," 7:15 p.m., Uris.\*

"Pink Floyd The Wall," 10:30 p.m., Statler.\*

"Love is a Dog from Hell," 9:45 p.m., Uris.\*

### Sunday, 4/9

American Documentary Video V, featuring "Pick Up Your Feet: The Double Dutch Show," "Hard Metals Disease," "Disarmament Video Survey" and "Doctors, Liars, and Women: AIDS Activists Say No To Cosmo," co-sponsored by CCPA and the American Federation of Arts, 2 p.m., Johnson Museum.

"Never Cry Wolf" (1983), directed by Carroll Ballard, with Charles Smith, 4:30 p.m., Uris.\*

"Running on Empty" (1988), directed by Sidney Lumet, with Christine Lahti, River Phoenix and Judd Hirsch, 8 p.m., Uris.\*

### Monday, 4/10

"Silk Sarongs and City Streets," sponsored by the Field and International Study Program, 2:30 p.m., N207 Martha Van Rensselaer.

"Baby Face" (1933), directed by Alfred Green, with Barbara Stanwyck, co-sponsored by the Cornell Civil Liberties Union, 7:30 p.m., Uris.\*

"Running on Empty," 9:20 p.m., Uris.\*

### Tuesday, 4/11

"The Global Assembly Line" (1986), sponsored by the Southeast Asia Film Series, 4:30 p.m., 310 Uris Library.

"Holi" (1984), directed by Ketan Mehta, with Sanjeev Handhi and Rahul Ranade, co-sponsored by the Indian Students Association, 4:30 p.m., Uris.\*

"The Eve of Ivan Kupalo" (1968), directed by Yuri Ilyenko, co-sponsored by Pentangle, 7:30 p.m., Uris.\*

"Running on Empty," 9:30 p.m., Uris.\*

### Wednesday, 4/12

"Silk Sarongs and City Streets," sponsored by the Field and International Study Programs, 12:20 p.m., N207 Martha Van Rensselaer.

"An Actor's Revenge," Yukinujio Henge (Kon Ichikawa, 1963), sponsored by the East Asia Program, 4:30 p.m., L-04 Uris Library.

Surreal Animation, featuring "Alphabet" (1970) and "The Grandmother" (1970), directed by David Lynch and "Heaven and Earth Magic Feature," directed by Harry Smith, 7 p.m., Uris.\*

"Twins" (1988), directed by Ivan Reitman, with Arnold Schwarzenegger and Danny DeVito, 9:30 p.m., Uris.\*

### Thursday, 4/13

"Journeys into Uneasy Distances," eleventh part of "Jewel in the Crown" series, sponsored by the South Asia Program, 5 p.m., 310 Uris Library.

"Macao — or Beyond the Sea" (1988), directed by Clemens Klopfenstei, co-sponsored by Pentangle, 7:30 p.m., Uris.\*

"Do Not Enter" (1986), directed by Robert Richter, co-sponsored by CUSLAR, 8 p.m., Anabel Taylor.

"Twins," 9:45 p.m., Uris.\*

## LECTURES

### A.D. White Professors-at-Large

"Short-Term Prediction of AIDS: The United Kingdom Experience," Sir David Cox, warden, Nuffield College, foreign associate, National Academy of Sciences and A.D. White Professor-at-Large, April 12, 4:30 p.m., 45 Warren Hall.

### Africana Studies

Film producer and actor Spike Lee, April 6, 7:30 p.m., Statler Auditorium. Lee will introduce his recent film, "School Daze," and answer audience questions. This is part of the Toni Morrison Lecture series, co-sponsored by Africana Studies, Third World Student Program Board, CCPA, Cornell Cinema, Department of Theatre Arts and Rose K. Goldsen Lecture Series. Admission to the film is \$3.

### Art

Photographer-painter William Wegman will speak on April 11, 5 p.m., 115 Tjaden Hall, as part of the Nancy G. Dickenson visiting artist lecture series.

### Asian American Studies Program

"The Making of 'Tripmaster Monkey' — His Fake Book," Maxine Hong Kingston, April 10, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall. The author will autograph copies of that book in the campus store from 1:30 to 3:30 p.m.

### Bethe Lecture Series

A symposium on free will, with John Hopfield of the California Institute of Technology and moderated by Carl Sagan, the David Duncan Professor of Astronomy and Space Sciences, April 12 at 8 p.m. in the Schwartz Auditorium, Rockefeller Hall. Also participating in the symposium will be Cornell philosophy professors Richard N. Boyd and Carl Ginet, psychology and nutrition Professor David Levitsky, and ecology and systematics and history Professor William Provine.

### Center for Jewish Living

"The Life of Samson Raphael Hirsch, Rabbi and Revolutionary," an after-dinner lecture by Gertrude Hirschler, April 9, 7:30 p.m., kosher dining hall, Center for Jewish Living, 106 West Ave. Ext.

### Chemistry

#### Julian C. Smith Lecture Series

"Networking: The Comprehensive Nature of Chemical Engineering," John Prausnitz, chemical engineering University of California, Berkeley: "Putting the Pieces Together: The Synthetic Characteristic of Molecular Thermodynamics," April 10, 4 p.m., 255 Olin Hall: "From Apollo to Prometheus - What the Humanities Can Teach Us About Engineering Education," April 12, 4 p.m., 255 Olin Hall.

### Classics

"The Gardens of Language (or, What We Owe to the Sophists)," W. Ralph Johnson, University of Chicago, April 4, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall, the last of the Townsend Lectures on "Askesis and Caprie: Freedom in Horace's 'Epistles.'" "

### Cornell Democrats

"The Israel-Palestine Question," a debate on the future of the Middle East, April 6, 8 p.m., auditorium, Anabel Taylor Hall.

### Cornell United For Blind & Sighted

Nazih Rizk, a blind art photographer, will discuss the use of imagination and the senses in creating art and take photographs to demonstrate his technique, April 10, 11 a.m., L04 Uris Library; April 11, 9 a.m., L04 Uris Library; April 11, 7 p.m., Conference Room 1, Robert Purcell Union; and April 13, 7 p.m., Conference Room 2, Robert Purcell Union.

### Education

"Science in the Teaching and Learning Process," Yervant Terzian, astronomy, April 3, 4 p.m., 232 Warren Hall. This is part of the lecture series "Teaching for a Learning Society."

### English

"African Literature and the Traditions of the West," Michael Echeruo, English, University of Imo, Nigeria, co-sponsored by Africana Studies, April 13, 4:30 p.m., 230 Rockefeller Hall.

### History of Art

"False Claims and Local Knowledge: Buddhist Esoteric Statuary from 9th Century Japan," Cynthia J. Bogel, Harvard University, April 11, 4:30 p.m., 22 Goldwin Smith Hall.

### Johnson Graduate School of Management

"Managing a Japanese-American Industrial Alliance: The Case of Fuji-Xerox," Douglas Reid, Xerox senior staff officer and the man who managed this well-publicized joint venture, April 12, 4 p.m., 253 Malott Hall.

### Messenger Lectures

A series of three lectures titled "Towards the Quantitative Control of Crop Production and Quality," Peter Nye, plant sciences, University of Oxford, England: "The Role of Computer Models in Soil and Plant Research: Limitations of Current Empirical and Statistical Methods," April 11, 4 p.m., 101 Bradford Hall; "The Scientific Basis for Guiding Fertilizer and Management Practice, Particularly in Poorer Countries," April 12, 4 p.m., 101 Bradford Hall; "Some Recent Developments in Research into the Root-Soil Interface," April 13, 1:15 p.m., 135 Emerson Hall.

### Music

A discussion of Tarushkin's chapter on "Authenticity and Early Music," April 12, 4:15 p.m., Grout Room, Lincoln Hall.

### Near Eastern Studies

"Diaspora - Triumphalism in Recent Jewish Historography," Todd Endelman, April 13, 4:30 p.m., 374 Rockefeller Hall.

### Society for the Humanities

"Money and the Shape of Things," Minnie Bruce Pratt, lesbian poet and essayist, April 10, 8 p.m., 700 Clark Hall.

"Sylvia Plath's 'Daddy,'" Jacqueline Rose, The University of Sussex, England, April 11, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

### University Lectures

"Appropriating Visual Texts: The Case of Brueghel, Titan, and the Poets," James V. Mirolo, English and comparative literature, Columbia University, April 12, 4:30 p.m., 22 Goldwin Smith Hall.

## DANCE

### Cornell International Folkdancers

A business meeting will be held 6:30 to 7:30 p.m. on April 9. Instruction and requests will follow from 7:30 to 10:30 p.m. Beginners are welcome, and so are dancers from outside the Cornell community. For information, Wies van Leuken: 257-3156.

### Israeli Folkdancing

Every Thursday evening, 8:30 p.m. in the Edwards Room, Anabel Taylor Hall.

### Swing & Jitterbug Dancing

Every Wednesday, 8 to 10 p.m., Edwards Room, Anabel Taylor Hall. For information: 273-0126.

## 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.

"Joan Mitchell," the first major retrospective exhibition of the paintings of this New York School abstract artist, including more than 50 canvasses spanning her career from 1951 to the present, through April 23.

A tour and discussion of the paintings of Joan Mitchell will be given by Judith Bemstock, curator of the exhibition, on April 9 at 2 p.m. The program is free for museum members and \$2.50 for non-members. Meet in the museum lobby.



David Fullard

### Nanae Momiyama

Sumi-e artist Nanae Momiyama, whose work has been exhibited widely throughout Japan, the United States and Europe, will demonstrate Japanese ink and brush painting on April 7 from 2 to 5 p.m. Meet in the lobby.

**Writing**  
 "Demotic Vistas: Hypertext Tools for Empowering Writers," Michael Joyce, coordinator, Center for Narrative and Technology, Jackson Community College, April 13, 4:30 p.m., 122 Rockefeller Hall.

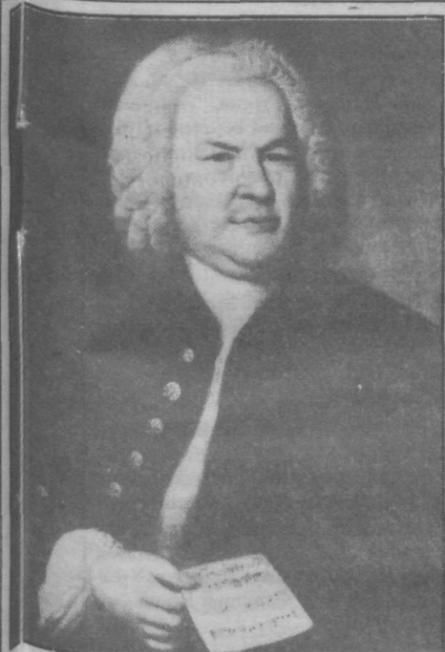
# MUSIC

## Department of Music

A trio consisting of Paul Thompson and Stacy Pelinka, flute, and Alan Giambattista, harpsichord and piano, will give a concert of music mostly from the 19th century on April 6, 8:15 p.m., in Barnes Hall. Featured on the program are Berlioz' Trio of the Young Ishmaelites from "Enfant du Christ"; Dopfer's Andante et Scherzo; Hindemith's Canonic Sonatina, Op. 31 and J.S. Bach's Sonata in G Major, BWV 1039. Thompson and Giambattista will also play Martin's Ballade for Flute and Piano.

Donald R.M. Paterson, university organist, will perform a variety of compositions of the 14th, 16th and 17th centuries, April 7, 8:15 p.m., in Anabel Taylor Chapel. Paterson will play at the organ, built in 1972 by Helmuth Wolff from Canada, works by Paul Hofhaimer, Antonio de Cabezon, Ludwig Senfl, Girolamo Frescobaldi, Dietrich Buxtehude. He also will play five preludes and "Prelude and Fugue in G Major" by Johann Sebastian Bach.

A concert of Baroque Chamber Music will be given on April 8, 8:15 p.m., in Barnes Hall by music department faculty members Sonya Monosoff, baroque violin, and Rebecca Harris-Warrick, baroque flute, joined by guest artists Mary Cyr, viola da gamba, and Sandra Mangsen, harpsichord. They will perform 17th and 18th-century chamber works from France and Germany. Cyr is currently professor of music at McGill University in Montreal and heads the Early Music Program in Montreal. Mangsen, who recently received her Ph.D. in musicology from Cornell, has performed in Canada, United States, and Italy. Both will perform Marin Marais' Suite in E Minor for viola da gamba and harpsichord. Other works on the program include "La Piemontoise" from Les Nations by Françoise Couperin, two works by Dietrich Buxtehude and one of the Paris Quartets by Georg Philipp Telemann.



**J.S. Bach**  
 "Music by J.S. Bach and his Sons," by the Cornell Chamber Ensemble, under the direction of John Hsu, will be performed on April 9, 4 p.m., Barnes Hall. J.S. Bach had 20 children, but only nine survived him. Of these, three became composers of distinction: the eldest son Wilhelm Friedemann, the second son Carl Philipp Emanuel, and the youngest son Johann Christian. The program will include Johann Christian's Symphony in E-flat Major, Op. 9, No. 2; followed by Carl Philipp Emanuel Bach's symphony in C Major, W. 174; Adagio and Fugue in D Minor, F. 65 for two flutes and strings, composed by Wilhelm Friedemann; and Johann Sebastian Bach's Suite No. 2 in B Minor for flute, strings and continuo.

The piano quartet Accordo Perfetto will perform in a Beethoven, Bridge, Mendelssohn concert April 11, 8:15 p.m., in Barnes Hall. Linda Chase, violin; Philip Clark, viola; Lynden Cranham, cello; and, Mary Ann Covert, piano, will play Beethoven's Piano Quartet in E-flat

Major, Op. 16; Frank Bridge's Phantasy in C Minor for Piano Trio and Mendelssohn's Piano Quartet in F Minor, Op. 2.

## Bound for Glory

Bill Staines, singer/songwriter from New England, will perform three live sets in the Commons Coffeehouse, 8:30 p.m., 9:30 p.m. and 11:30 p.m. on April 9. Bound for Glory can be heard from 8 to 11 p.m. on WVBR-FM93.

## Willard Straight Hall

Alexis Torrubia & Co. will perform April 6 at 8 p.m. and Karla Tessler and Julie Kleinhans at 9 p.m., in the Memorial Room, Willard Straight Hall.

"Classics at Noon" with pianist Richard Levy, April 12, noon, Memorial Room, Willard Straight Hall.

# READINGS

## English

Fiction writer Rick DeMarinis will read from his work today at 4:30 p.m. in the Temple of Zeus. DeMarinis, an associate professor of English at the University of Texas, El Paso, has written short stories, novels and books of short fiction. His latest work is titled "The Coming Triumph of the Free World."

Jane Lunin Perel will give a poetry reading on April 13, 4:30 p.m., A.D. White House. Perel is professor of English at Providence College, where she is also director of the Poetry and Fiction Series. Her latest book, "The Sea Is Not Full," has been accepted by Le'Dory Publishing House of Tel Aviv, Israel, and is due out this year.

## Russian Literature

Bohumil Hrabal, Czech novelist from Prague, will read from his works and talk in Czech, with English translation, April 7, 4 p.m., Asian Studies Lounge, 374 Rockefeller Hall. Hrabal is the author of "Closely Watched Trains," "I Served the King of England," and many other works.

# RELIGION

## Sage Chapel

Freeman Dyson, Institute for Advanced Studies, Princeton, will deliver the sermon on April 9. Services begin at 11 a.m. Music will be provided by the Sage Chapel choir, under the direction of Donald R.M. Paterson.

## 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.

## 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, Young Israel, 106 West Ave. Call 272-5810; Saturday 9:15 a.m., Edwards Room, Anabel Taylor Hall.

## Korean 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: Bible Study will begin 10 a.m., G-7, Anabel Taylor Hall. Worship every Sunday, 11:00 a.m., Anabel Taylor Chapel.

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

## Zen 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

"The Role of the Office of Rural Affairs," Joseph Gerace, Office of Rural Affairs for New York State, April 13, 4:30 p.m., 404 Plant Science.

## Applied Mathematics

"Computational Complexity of Continuous Problems," Henryk Wozniakowski, Columbia University and University of Warsaw, April 7, 4 p.m., 322 Sage Hall.

## Astronomy

"Pulsar Aided SETI Strategies and 1990 Bioastronomy Symposium in the French Alps," Jean Heidmann, Observatoire de Paris, April 6, 4:30 p.m., 105 Space Sciences.

"Venus and the Magellan Project," Don Campbell, astronomy, April 13, 4:30 p.m., 105 Space Sciences.

## Atomic & Solid State Physics:

### Theory Seminar

"Universal Threshold Polarization for Depinning of Charge-Density Waves: Applications to Blue Bronze," John Bardeen, University of Illinois, April 13, 1:15 p.m., 700 Clark Hall.

## Bethe Lecture Series

"Artificial 'Neural' Networks," John Hopfield, California Institute of Technology, April 10, 4:30 p.m., Schwartz Auditorium, Rockefeller Hall.

## Biochemistry, Molecular & Cell Biology

"Altered Regulation of Protein Kinase C: Possible Involvement in Neoplastic Transformation and In Multiple Drug Resistance," Wayne Anderson, National Cancer Institute, NIH, April 7, 4 p.m., Large Conference Room, Biotechnology Bldg.

"The Proton Conducting CFo-Part of Chloroplast ATP Synthases," Yu Feng, biochemistry, molecular and cell biology, April 10, 12:20 p.m., Large Conference Room, Biotechnology Bldg.

## Chemical Engineering

"Using Genetic Manipulation to Develop Novel Hosts and Expression Systems in Cellular Biocatalysis: The Hemoglobin Paradigm," Chaitan Khosla, California Institute of Technology, April 13, 4:15 p.m., 145 Olin Hall.

## Chemistry

"Enantioselectivity in Organic Synthesis Using Enzymes and Microbes," Virinder Parmar, M.I.T., April 6, 11 a.m., ST Olin 458. Special Organic Chemistry Colloquium.

"Hydrocarbon Activation with Highly Electron Deficient Early Transition Metal Compounds," John E. Bercaw, California Institute of Technology, April 13, 4:40 p.m., 119 Baker. General Chemistry Colloquium.

## Cognitive Studies

"Grammatical Categories and Types of Events," Alexander Nakhimovsky, computer science, April 11, 4:30 p.m., 106 Morrill Hall.

## Communication

"Alternative Views of Communication Planning and Strategy," Royal D. Colle, Clifford W. Scherer, Carroll J. Glynn, Donald F. Schwartz, and Stella Hadjicosti, communication, April 7, 2:30 p.m., Room 3, 640 Stewart Ave.

## Cornell Education Society

"Adult Education and Sociological Analyses: Toward a Theoretical Analysis," Peter Jarvis, University of Surrey, Guildford, England, April 10, 4:30 p.m., 131 Roberts Hall.

"The European Community: Educational and Social Planning for Unification in 1992 and Beyond," Damian Murchan, education, April 11, 1:25 p.m., 131 Roberts Hall.

## Cornell Research Club

"Roman Biographical Sarcophagi: Style and Social Class," Jane Whitehead, Mellon Fellow in Classics, April 6, 12:50 p.m., Faculty Commons, Martha Van Rensselaer.

## Ecology & Systematics

"Ecological and Physiological Aspects of Dioecious Plants," Tood E. Dawson, biology, University of Utah, Salt Lake City, April 10, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall. Special seminar.

## Electrical Engineering

"Micro Electromechanical Systems," Noel C. MacDonald, director, SRC Program on Microscience and Technology, engineering, April 11, 4:30 p.m., 219 Phillips Hall.

## Entomology

Title to be announced, N. Moran, University of Arizona, Griswold Lecturer, April 10, 4 p.m., A106 Corson/Mudd Hall.

## Environmental Toxicology

"Application of Cytogenetic Techniques in Biological Dosimetry: Recent Radiation Accidents in Brazil, Mexico and the United States," L. Gayle Littlefield, Oak Ridge Associated Universities, Oak Ridge, Tenn., April 7, 12:20 p.m., 14 Femow Hall.

## Ethics & Public Life

"Biotechnology and the History of the Agricultural Sciences," Margaret Rossiter, Program in the History and Philosophy of Science and Technology, April 10, 12:15 p.m., 609 Clark Hall.

## Floriculture & Ornamental Horticulture

"Horticultural Potential of Pelargonium Species and New Hybrid Types," Emie DeMarie, April 6, 12:15 p.m., 404 Plant Science.

"The Culture of *Lupinus* for Increased Flower Production," Lourdes Brache, M.P.S. candidate, April 13, 12:15 p.m., 404 Plant Science.

## Food Science & Technology

"Microbiocidal Effect of Carbon Dioxide," Gerhard J. Haas, Institute of Economic Botany, Bronx, April 11, 4:30 p.m., 204 Stocking.

## Genetics & Development

"Calcium and Cell Cycle Clocks Regulate Cell Division," Robert Silver, physiology, Veterinary Medicine, April 10, 4 p.m., Conference Room, Biotechnology Bldg.

## History & Philosophy of Science & Technology

"The Social Acceptance of Scientific Instruments: The Eudiometer and the Voltaic Pile in Enlightenment Chemistry," Jan Golinski, visiting fellow, Institute for Research in the Humanities, University of Wisconsin, Madison, April 13, 4:30 p.m., 165 McGraw Hall.

## International Nutrition

"Food Systems in Historical and Global Perspective," Philip McMichael, rural sociology, April 6, 12:15 p.m., 200 Savage Hall.

"Private Sector Involvement in Nutrition Programs in Jamaica," Heather White, Hubert Humphrey Fellow, international nutrition and nutritionist, Grace, Kennedy and Company, Kingston, Jamaica, W.I., April 13, 12:15 p.m., 200 Savage Hall.

## International Studies in Planning

"World Bank Irrigation Programs in Nepal," Robert Siy, World Bank, April 7, 12:15 p.m., 115 Tjaden.

## Latin American Studies

"Report from Paraguay: Raul Gauto, director, Conservation Data Center, Paraguay, executive director, Moises Bertoni Foundation for the Conservation of Nature, April 7, 12:15 p.m., 145 Warren Hall.

## Materials Science & Engineering

"Ionic Transport," Stan Wittingham, SUNY Binghamton, April 6, 4:30 p.m., 140 Bard Hall.

"Properties of Polymer Gels," Claude Cohen, chemical engineering, April 13, 4:30 p.m., 140 Bard Hall.

## Microbiology

Title to be announced, David H. Figursky, microbiology, Columbia University, April 6, 4:30 p.m., 124 Stocking Hall.

"Mutations in DR1 and DR2 of Woodchuck Hepatitis Virus: Functional Significance for Plus Strand DNA Priming at DR2," Amy Glaser, microbiology, immunology and parasitology, veterinary medicine, April 10, 12:15 p.m., G-3 Vet Research Tower.

Title to be announced, Lonnie O. Ingram, microbiology and cell science, University of Florida, Gainesville, April 13, 4:30 p.m., 124 Stocking.

# CALENDAR

continued from page 7

## Natural Resources

"Religion, Ethics and International Development: A Few First Thoughts on Two Months in Egypt, India, and Southeast Asia," Richard A. Baer, Jr., natural resources, April 10, 12:20 p.m., 304 Femow Hall.

## Neurobiology & Behavior

"Hormonal Control of Behavior: Amines and the Biasing of Behavioral Output in Lobsters," Ed Kravitz, neurobiology, Harvard Medical School, April 6, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

"The Use of Chimeric and Transgenic Mice to Study CNS Development," Carl Herrup, April 13, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

"Acoustical Communication in Honey Bees," Wolfgang Kirchner, University of Wurzburg, Wurzburg, West Germany, April 13, 4 p.m., Morison Seminar Room, Corson/Mudd Hall. Special seminar.

## Nutrition

"Hepatic Lipase Exposes Determinants on Apoprotein E in Triglyceride-rich Lipoproteins," Kathleen Cornely-Moss, April 10, 4:30 p.m., 100 Savage Hall.

## Operations Research & Industrial Engineering

"Environmental Issues and Their Impact on Manufacturing," Fred C. Hart, April 6, 4:30 p.m., B-14 Hollister.

"Cycle Time Management and Just-In-Time in an Aerospace and Defense Company," April 13, 4:30 p.m., B-14 Hollister.

## Ornithology

"Sixty Years of Bird Recording in North America," Greg Budney, Laboratory of Ornithology, Library of Natural Sounds, April 10, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Rd.

## Peace Studies Program

"Gorbachev and Arms Control," Cynthia Roberts, Hunter College, April 7, 12:15 p.m., G-08 Uris Hall.

"A New Look at the New Look," Richard Immerman, Woodrow Wilson School of Public & International Affairs, Princeton University, April 13, 12:15 p.m., G-08 Uris Hall.

## Pharmacology

"Sensory Neurons and Chemotaxis in the Nematode *C. elegans*," Cori Bergman, biology, Massachusetts Institute of Technology, April 10, 4:30 p.m., G-3 Vet Research Tower.

## Physiology

"Corticotropin Releasing Hormone in the Fetoplacental Unit," Joseph Majzoub, medicine, Neuroendocrine Genetics Laboratory of Harvard Medical School, April 11, 4:30 p.m., G-3 Vet Research Tower.

## Plant Biology

"Biomechanical Aspects of Submarine Pollination in *Zostera Marina*," Josef Daniel Ackerman, plant biology, and ecology and systematics, April 7, 11:15 a.m., 404 Plant Science Bldg.

## Plant Pathology

"Apple Production, Diseases, and Research in Santa Catarina State, Brazil," Herb Aldwinckle, plant pathology, NYSAES, April 12, 3 p.m., A-133 Barton Lab, Geneva.

"Studies on the Satellite of Cucumber Mosaic Virus," Chris Kearney, plant pathology, April 11, 4:30 p.m., 404 Plant Science Bldg.

## Psychology

"Verbs and Gaps in Sentence Comprehension," Howard Kurtzman, psychology, April 7, 3:30 p.m., 202 Uris Hall.

## Rural Sociology

"Cohabitation Versus Other Nonfamily Living Arrangements in the U.S.: Changing Determinants from 1960 to 1980," April 10, 12:15 p.m., 32 Warren Hall.

"The Role of the Office of Rural Affairs," Joseph Gerace, Office of Rural Affairs for New York State, April 13, 4:30 p.m., 404 Plant Science.

## Science, Technology & Society

"Biotechnology and the History of the Agricultural Sciences," Margaret Rossiter, Program in the History and Philosophy of Science and Technology, April 10, 12:15 p.m., 609 Clark Hall.

## Sociology

"On the Importance of Time in the Analysis of Mobility Processes," Aage B. Sorensen,

Harvard University, April 7, 3:30 p.m., 302 Uris Hall.

## Southeast Asia Program

"Singapore: The Making and Unmaking of Freedom and Nationhood," C.V. Devan Nair, SEAP visiting fellow, former President of the republic of Singapore, April 6, 12:20 p.m., 102 West Avenue Ext.

Title to be announced, Alasdair Bowie, visiting lecturer, government, April 13, 12:20 p.m., 102 West Avenue Ext.

## Stability, Transition & Turbulence

"Experiments on the Combustion of a Droplet Near a Surface," Sanjeev Chandra, mechanical and aerospace engineering, April 11, 1 p.m., 288 Grumman.

## Textiles & Apparel

"High Tech Textiles and New Markets," speaker to be announced, April 11, 12:20 p.m., 322 Martha Van Rensselaer Hall.

## Theoretical & Applied Mechanics

"Some Singular Asymptotic Problems in Mechanics," Xanthippe Markenscoff, University of California, San Diego, April 11, 4:30, 205 Thurston.

## Vegetable Crops

"The Response of Tomatoes to Plastic Mulch: Effects on Mineral Nutrient Content and Plant Development," Peter L. Minotti and H. Chris Wien, vegetable crops, April 6, 4:30 p.m., 404 Plant Science Bldg.

"The Role of the Office of Rural Affairs," Joseph Gerace, Office of Rural Affairs for New York State, April 13, 4:30 p.m., 404 Plant Science.

# SPORTS

## Sunday, 4/2-Saturday, 4/8

Women's Polo, National Championships at Ft. Worth, Tex.

## Friday, 4/7

Men's Tennis, at Brown, 1 p.m.  
Women's Tennis, Brown, at home, 2 p.m.  
Men's Jr. Varsity Lacrosse, Ithaca College, at home, 8 p.m.

## Friday, 4/7-Sunday, 4/9

Golf, at West Point Invitational

## Saturday, 4/8

Men's Ltwt. Crew, at Pennsylvania w/Harvard  
Women's Crew, at Yale w/Syracuse, 11 a.m.  
Baseball, at Army (2), noon  
Women's Lacrosse, at Yale, noon  
Women's Tennis, Yale, at home, noon  
Men's Lacrosse, Pennsylvania, at home, 1 pm  
Men's Tennis, at Yale, 1 p.m.  
Men's Track, at Dartmouth w/Massachusetts and N.H., 1 p.m.  
Women's Track, at Dartmouth w/Massachusetts and N.H., 1 p.m.  
Men's Polo, Harvard, at home, 8:15 p.m.

## Sunday, 4/9

Baseball, at Columbia (2), noon  
Women's Jr. Varsity Lacrosse, at RIT, 1 p.m.  
Men's Jr. Varsity Lacrosse, Catonsville CC, 2 p.m.

## Tuesday, 4/11

Baseball, at Ithaca College, 3:30 p.m.  
Women's Jr. Varsity, at Ithaca College, 4:45 p.m.

## Wednesday, 4/12

Men's Tennis, at Binghamton, 3 p.m.  
Women's Tennis, Syracuse, at home, 4 p.m.

# SYMPOSIA

## Council of the Creative & Performing Arts

"Visual Feminist Discourse — Feminist Literary Theory: Is There a Possible Parallel Reading in the Visual Arts?" part of the Festival of Women & the Arts organized by the Council of the Creative and Performing Arts, April 7 and 8.

On April 7 at 4 p.m. in 115 Tjaden Hall, there will be keynote addresses by Jane Marcus, literary critic and professor of English at City University of New York Graduate Center and the City College of New York and Eunice Lipton, writer and art historian, who will talk on "Imagining a Woman's Life: The Case of Victorine Meurent."

That evening, at 7 p.m. in the H.F. Johnson Museum, Judith Bernstock, art historian and curator of the retrospective of Joan Mithcell's paintings, will give a gallery talk about the show.

On April 8 in Tjaden Hall, the following talks are scheduled:

"The Vision of the 'Amicable Medusa': Berthe Morisot and the Poetics of her Art," Suzanne Lindsay, art historian from the University of Pennsylvania; "Protagonists, Victims and Sexual Difference," Nancy Spero, painter and collage artist; "The Female Dimension in Painting and Sculpture: Speculations Concerning Gender Identification and Choice of Media," Francis V. O'Connor, poet and art historian; "Speech and Silence — The Discourse of Art," Giesela Breiting, artist.

A panel discussion with the participants, joined by Marcia Tucker, director, The New Museum of Contemporary Art in New York City; Rita Felski, fellow in the Society for the Humanities; and Molly Hite, assistant professor of English and currently faculty fellow in the Society for the Humanities, will be moderated by Jean Locey, associate professor of art.

## Ecological Agriculture

The sixth annual symposium on ecological agriculture will be held April 8, 9 a.m. to 4 p.m., in the Morison Room of Corson Hall. Presentations by members of the Cornell community and surrounding Northeast will offer an exchange of information and ideas about research, social and policy issues and practices promoting farming systems that are environmentally sound and socially benevolent.

# THEATER

## Theatre Arts

"Vanities," a comedy by Jack Heifner, April 6 and 7, 8 p.m., April 8 at 5 p.m. and 9 p.m. and April 9 at 2 p.m., in the Center for Performing Arts' Black Box Theatre. The play is about the relationship of three women growing up and growing apart — from the fall of 1963 through spring 1974. Tickets are \$3.50 for students and senior citizen and \$4.50 for the general public for weeknight and matinee performances. Tickets for Friday and Saturday evening performances are \$4.50 for students and senior citizens and \$5.50 for the general public. Tickets can be purchased at the center's box office or by phone at 254-ARTS.

# MISC.

## International Students' Programming Board

Annual international week will feature a variety of events, April 7 and 16, including: April 7, 8 p.m., International Flag Painting Party, International Living Center, (I.L.C.); 10 p.m. Dance Party (I.L.C.). April 8, 7 p.m., Hellenic Cultural Night, Noyes Center, 3rd Fl. Lounge, \$4. April 9, 2 p.m., Children's Party, magician, mimes and clowns, Sage Hall; 7 p.m. Turkish Cultural Night, food, folklore and art display from Turkey, Memorial Room, WSH. April 10, noon to 1:30 p.m., Sandra Marquardt, Green Peace, on "Questioning the Role of Pesticides in International Agriculture," G8 Uris Hall; 7 to 8 p.m. International food-tasting and fashion show, speeches by Joseph Ballantyne, vice-president and Jerry Wilcox, director, ISSO, Hotel School. April 11, noon discussion with John Callahan, Amnesty International, "Current concerns of Amnesty International in Brazil," The Henry, Sage Hall; 4:30 p.m. Women's Struggle in South Africa, Rachel Mayanja, president of groups on rights for International Women, United Nations; 7 p.m., movie — "South Africa Belongs to Us" followed by discussion led by L. Edmondson, Africana Studies and G. Fraser, Women's Studies, Memorial Room, WSH. April 12, noon discussion with Michael Painter, international development anthropology, on "Social Development for Environmental Destruction in Bolivia," G8 Uris Hall;

6:30 to 9:30 p.m., South Asian Cultural Night, food, folklore and culture from India and Pakistan, \$3, Memorial Room, WSH. April 13, noon discussion, November 11th Committee on Arms Control, The Henry, Sage Hall; 5 p.m., lecture on "Current Developments in the Middle East Peace Process," by Ambassador Clovis Maksoud, Conference Room, Biotechnology Bldg.

## Industrial & Labor Relations

"Regeneration: Labor Strategies and Careers for a New Decade," a three-day event continues with "Career Opportunities in the Labor Movement," a panel discussion with ILR labor alumni that includes job-search strategies, April 6, 4:30 p.m., 280 Ives Hall. Participants will include Kurt Edelman, ACTWU; Anne Kemski, AFL-CIO economics research; Ken Margolies, Cornell New York City metropolitan district office; Mark Junod, Teamsters eastern conference; Kathy Schrier, AFSCME's DC 37 education fund. "An Evening of Labor Songs and Film," featuring Tom Juravich, Pennsylvania State University labor educator, musician, and composer of "Rising Again," April 7, 7:30 p.m., 110 Ives Hall.

## Cornell Garden Plots

Garden plots are available for rental. Single (\$6), and double (\$10) plots are located at Cornell Quarters (off Mitchell Street) and Warren Farm (Bluegrass Lanes of Hanshaw Road). Send stamped, self-addressed envelope, with phone number and desired location to Garden Plot, Box 871, Ithaca, NY 14851. Do not send money. You will receive a priority number for distribution day, May 13. For further information call 257-1281.

## Hillel

Topics in Jewish Tradition, taught by Rabbi Larry Edwards, "Haggadah Workshop," April 10, 8:15 p.m., 314 Anabel Taylor Hall.

Chug Ivri, Hebrew conversation, Thursdays, 11:45 a.m. to 12:45 p.m., 374 Rockefeller Hall.

Beginning Yiddish class, Thursdays, 7:15 p.m., G-34 Anabel Taylor Hall.

"One Industrial World," Albert Wojniower, April 12, 7:30 p.m., at the Young Israel, 106 West Avenue.

## Macintosh Users' Group

MUGWUMP, the Macintosh Users' Group for Writers and Users of Mac Programs, meet on the first Thursday of each month, 3:30 p.m., in 100 Caldwell and on the second Wednesday of each month, 7 to 9 p.m. in various locations. Meetings are free and beginners are welcome. For more information, call Andrew Merkle, 277-2239.

## Intramural Wrestling (men)

Deadline on entries is April 10, at 5:30 p.m., in Teagle Hall locker room. Weighing-in constitutes entry and must be done by the individual between 2:30 and 5:30 p.m., April 10. An entry fee of \$2 per person, due at weigh-in; no more than one person at each weight per team.

## Cornell Toastmasters

Cornell Toastmasters Public Speaking Club meets Thursdays at 7 p.m. Call 277-4452 for more information.

## 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., 178 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.

## Alcoholics Anonymous

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

## E.A.R.S.

Empathy Assistance Referral Service provides trained peer counseling. Call 255-EARS Sunday-Thursday, 3-11 p.m., or walk-in 211 Willard Straight Hall, Friday and Saturday, 6-10 p.m. All services are free, non-judgmental and confidential.

## 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.

# Cornell bird experts solve mystery of the missing finches

At millions of bird feeders in the eastern United States and Canada, this was the winter without finches. Evening grosbeaks, purple finches, pine siskins and other birds of the aptly named "winter finch" variety — normally among the most visible and popular visitors to bird feeders from November to March — stayed away in droves this year.

Not to worry, say ornithologists at Cornell's Bird Population Studies Program. An unusually abundant, natural supply of seed in the conifer forests of northern Canada seems to have kept most of the finches from migrating south.

The birds' absence was a disappointment to legions of loyal feeders of birds east of the Mississippi. An estimated 80 million people in the United States buy more than \$1 billion worth of seed each year. Finches can gobble through 50 pounds of seed per household each week.

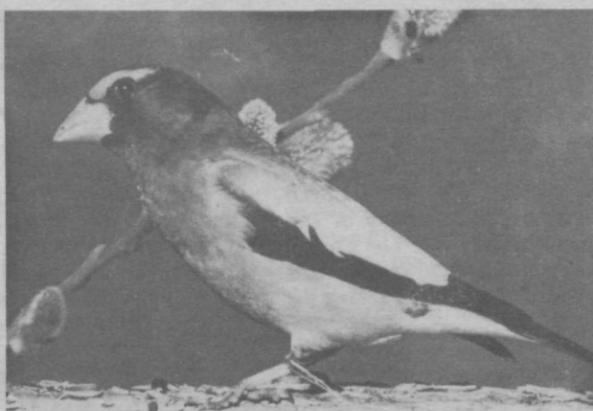
"People were calling in all winter and asking, 'Where are all the birds?'" said Gregory Butcher, director of Bird Population Studies. "The local Christmas Bird Counts showed the lowest number of finches in the last 25 years."

"Last winter there were enough siskins for an average of seven to be counted at every feeder in North America throughout the entire winter," said Erica Dunn, coordinator of Project FeederWatch, a 7,000-member network of volunteer bird-counters throughout the United States and Canada. "But what a difference a year makes! People in the Northeast who were entertaining flocks of over 300 siskins every day last winter had none this year."

Ornithologist Butcher said there are a number of possible solutions to the mystery of the missing finches:

- Finches that normally migrate south — to feeders in Canada's eastern provinces and in the eastern part of the United States — flew to the western parts of Canada and the United States, where slightly higher numbers of finches were reported.

- Birds didn't need feeders because there was less snow in the Northeast to hide weed seeds, a natural food source.



V. Mayfield/Cornell Lab. of Ornithology

Evening grosbeak

- Some environmental catastrophe, such as disease, weather or pollution killed the finches.

- An unusually rich crop of seeds in northern Canada kept the finches well fed all fall and winter.

"We're fairly certain we are seeing a redistribution of birds — not a population crash. There were reports as early as last summer of a super crop of tree seeds in the boreal forests of Canada. Many of these birds are what we call facultative migrants; they winter as far north as they can get away with," said Butcher.

Bird counts can be important to more than bird-fanciers because they are a kind of "early warning barometer" of environmental conditions, he added. "When something goes wrong with the environment, the birds are often the most noticeable reflection of the change."

He pointed to the near-extinction of peregrine falcons and decline of ospreys in the 1970s. Population crashes of



J. R. Woodward/Cornell Lab. of Ornithology

Pine siskin

those birds helped to alert humans to the presence of pesticides in the environment.

"This time, the environmental change was a favorable event for the birds, although a lot of people in the East weren't too happy," Butcher said. "We might expect to see a superabundance of finches come south next winter. It will be interesting to test that prediction."

Project FeederWatch is already enlisting participants to help monitor birds in the winter of 1989-90. Participants pay a \$9 annual fee to cover the cost of data forms, newsletters and postage, and must be able to identify common birds at their feeder.

Information on joining the survey can be obtained by writing to Project FeederWatch, Cornell Laboratory of Ornithology, 159 Sapsucker Woods Road, or by calling 254-2414.

—Roger Segelken

# Comets might have brought organic chemicals to Earth

Some of the organic material that formed the chemical building blocks of life could have come to Earth in an intense bombardment of comets and asteroids billions of years ago, new computer simulations have revealed.

Scientists from Cornell and Yale universities have reported the first comprehensive analysis showing how tarlike mixtures of organic molecules in asteroids and comets could have survived the searing heat of entry into the thick atmosphere of ancient Earth.

The early organic components of life could have been ejected intact from the impact of comets as they smashed into the oceans at thousands of miles per hour, the researchers found.

The planetary scientists, who discussed their results at the 20th Lunar and Planetary Science Conference in Houston, are Cornell Research Associate Paul Thomas, graduate student Christopher Chyba and Carl Sagan, the David Duncan Professor of Astronomy and Space Sciences, and Research Associate Leigh Brookshaw of Yale.

"Our calculations show that it is entirely feasible that a significant fraction of the material needed for the origin of life could have been extraterrestrial," said Thomas.

Some of the organic compounds in comets, which are basically gigantic balls of ice up to several miles across, could have survived re-entry and impact temperatures that reached thousands of degrees Fahrenheit, as hot as the sun's surface, said the researchers. Thus, the heavy bombardment of Earth by comets and asteroids before 3.7 billion years ago would have augmented the organic material formed in Earth's atmosphere at that time.

Organic compounds are those that contain carbon, as well as hydrogen, nitrogen or other atoms. They are not necessarily bio-

logical in origin. Organic compounds have been detected in the far reaches of space, formed as a result of purely chemical processes.

The scientists' analysis offers new insight into a major puzzle about the source of early organic molecules.

Theories that the early atmosphere was largely carbon dioxide have, over the last decade, largely replaced earlier beliefs that the ancient Earth had a "reducing" methane-ammonia atmosphere. The chemistry of such carbon dioxide atmospheres does not favor production of organic molecules, compared with atmospheres rich in ammonia and methane.

From measurements of cratering on the moon, the scientists knew that solar system bodies had been subjected to extremely heavy bombardment billions of years ago. That bombardment decreased sharply until about 3.5 billion years ago, then levelled off at about the present rate. Studies of the size of the lunar craters by other scientists had yielded an estimate of the size of the asteroids and comets that had struck the Earth and the moon.

Chemical analyses of asteroids, including conglomerates of carbon-rich material called carbonaceous chondrites, had revealed that they are about 3 percent organic material. Results of the 1986 spacecraft encounters with Halley's comet have suggested comets to be about 20 percent organics, with the rest mainly water and dust. These organics consisted of a thick, tarry mixture of large and small molecules, somewhat similar to kerogen on Earth, which is found in oil shale.

Chemical studies of such substances found that they could survive only fractions of a second at temperatures above about 1,000 degrees Kelvin (1,340° Fahrenheit).

Finally, other scientists had deduced the

speeds of atmospheric entry of such objects by analyzing the orbits of comets and asteroids. They found that asteroids typically hit Earth at about 18 kilometers per second, or 40,000 miles an hour. Comets typically impact at about 25 kilometers per second, or 56,000 miles an hour.

To determine whether the fragile organics could have survived Earth impact, the Cornell-Yale team used two kinds of computer analyses. They simulated passage through the ancient atmosphere, estimated to have been 10 to 20 times denser than the atmosphere today, and simulated collisions of comets and asteroids with the continents and oceans of Earth.

In the atmospheric studies, they found that, while a large portion of small objects would have been vaporized as fireballs, those larger than about 100 meters would have survived passage through the atmosphere.

The aerodynamic stresses of entry could have ripped apart more fragile objects, perhaps raining their organic materials safely onto Earth, the scientists found. Such airburst explosions may have occurred in 1908 in Tunguska, Siberia, and in Canada in 1965.

In any case, lighter objects such as comets would have been slowed significantly by "aerobraking," or the slowing of objects by the atmosphere.

The researchers' key computer simulation, however, detailed the conditions within asteroids and comets impacting Earth. They used a numerical technique called the "smoothed particle hydrodynamic" method to trace, instant by instant, the temperatures, energies, pressures and velocities of each point within the impacting object.

In a series of such simulations, Thomas, Chyba, Brookshaw and Sagan found that

impacts of comets with solid rock would have destroyed almost all organic compounds in the objects.

More common, though, would have been comet-ocean impacts, because the ancient Earth was almost totally covered by oceans. Even though comet-ocean impacts generally would have produced less drastic conditions, the highest-speed collisions still would have generated extremely high temperatures, the scientists found. For example, a one-kilometer-diameter (0.6-mile) comet plunging into a three-kilometer-deep ocean at 25 km/sec would have produced temperatures of 5,000°-15,000° Kelvin (8,540°-26,540°F.).

If the Earth's early atmosphere were only as thick as today's, incoming organics would be "fried." However, slower impacts would be possible because of aerobraking in an early, thicker atmosphere. In such an atmosphere, organic compounds could have survived, the scientists said. There is independent evidence for a thick early atmosphere, said the scientists.

Because of such an atmosphere, if a comet were to impact slower than about 10 km/sec (22,000 mph), a substantial fraction of its organic material would survive, principally by being blown away from the impact point before extreme impact heating.

Thomas, Chyba, Brookshaw and Sagan plan to continue their studies by analyzing the impacts in greater detail and by including impacts at oblique angles to Earth. They also plan to extend the analysis beyond the one-half second of impact they simulated in the initial studies. However, they say they do not expect their findings to change significantly as a result of the further studies.

The researchers' work was supported in part by NASA.

—Dennis Meredith

# Risky films among Cinema's offerings in April

A series of films thought too risky to make a profit, a series on censorship and the media, cartoons that challenge the originality of "Who Framed Roger Rabbit?" and four films from India are among the highlights of Cornell Cinema's programming for the month of April. The month's film events include these:

- "The Cutting Edge II," a touring series of six contemporary films from Europe, Asia and Latin America that critics have praised for their artistic quality but which are too risky for release by commercial distributors. The films, to be shown on Tuesdays plus April 13 and 20, include "The Eve of Ivan Kupalo" by Yuri Ilyenko, where magical realism meets Ukrainian folklore, and "The Last of England" by Derek Jar-

man, who visited Cornell last year.

- Censorship and the Media, a Monday night series, cosponsored with the Cornell Civil Liberties Union, looks at censorship in film and television. "Baby Face" is a racy Hollywood film eventually overcome by the enforcement of the Motion Picture Production Code in the mid-30's. "Seventeen" was refused air time on the Public Broadcasting Service after its sponsor objected to its frank portrayal of working class teenagers' language and sexuality. "Crimes of Passion" submitted to the requirements of Hollywood's self-censoring rating administration, cutting out scenes that would have earned it an "X" rating and therefore no advertising in The New York Times and other papers.

- Animation! on Wednesdays, a pot-

pourri of classic and recent animation. "Yellow Submarine" is feature film animation at its most inventive and playful. The "Surreal Animation" program features two innovators, David Lynch and Harry Smith, collage animator and alchemist. "The Cartoons that Inspired Roger" includes a racy Betty Boop cartoon. "Streams of Consciousness" compiles many of the best experimental American animators into one eye-opening program.

- Four rarely-seen films from India, provided through the assistance of the Indian Consulate and The Asia Society, on Tuesday afternoons. Of particular note are Bengali independent film maker Buddhadeb Dasgupta's "Crossroads" and the Hindi "rebellious youth" film "Holi."

Lee continued from page 1

vided."

Lee has been described as having taken "a big artistic and career gamble in 'School Daze' by building his rickety narrative scaffolding around a confident satire of black middle-class America."

Lee's visit is being sponsored in conjunction with the course "Blacks in Communication Media," taught by Professor William Branch. Co-sponsors are the Toni Morrison Lecture Fund, the Third World Student Programming Board, the Department of Theatre Arts, the Council on the Creative and Performing Arts, Pentangle and the Rose Golden Lecture Series.

Tickets are \$3 and will be on sale at the door and in advance at the Cornell Cinema ticket office, April 5-6, from 12:15 to 4 p.m.

## International Week planned for April 7 to 16

With international awareness as its theme, this year's 10-day-long celebration of the cultures and traditions of some of Cornell's 2,000 international students will begin on April 7 and run through April 16.

Exhibits of dance, music, art and fashions are scheduled. Foods of various countries will be featured on many evenings.

In addition to these festivities, there will be several lectures and discussions on political subjects.

Many events are free; there is a modest fee for some of the dinners and dances.

For details, see the listings in the calendar under miscellaneous or contact the International Students Programming Board through its president at 277-7104.

## Shoals Marine Laboratory adds new courses in marine sciences

New courses in bioclimatology, marine plankton ecology, biological illustration and marine natural-history art are among the more than 30 classes and seminars that will be offered this summer at Shoals Marine Laboratory, the field station operated by Cornell and the University of New Hampshire on Maine's Appledore Island.

For 14 weeks each summer, college students, school teachers and others visit the island, six miles off shore in the Gulf of Maine, for courses ranging from oceanic law and underwater archaeology to marine mammals and nature photography.

College students can earn a full semester's credit in three intensive months of lectures, laboratory work and field study. Shorter, non-credit seminars are offered to the general public on a variety of marine-related topics.

"Because the laboratory is a residential facility, a sense of community develops that makes courses and seminars such outstanding educational and intellectual experiences," said John B. Heiser, the marine biologist who directs the Shoals Marine Laboratory program.

"Undergraduates, beginning graduate students and other interested adults have a unique opportunity to study marine science in a setting noted for its plant and animal life, geology and history," he added.

The marine sciences program makes use of the Isles of Shoals' natural environment, which is visited each year by more than 100 species of migrating birds, as well as harbor seals, whales, porpoises and dolphins. Facilities include teaching and research laboratories, a marine sciences library, dormito-

## Vet scientists improve Lyme disease test

Scientists at the College of Veterinary Medicine have developed an improved test for Lyme disease, the difficult-to-diagnose and potentially devastating bacterial infection of humans and domestic animals.

First recognized 13 years ago in Lyme, Conn., the disease now is the most common tick-borne human infection in the United States, and is carried by a variety of animals, including mice and deer. The Cornell test, which now is available to veterinarians for dogs, is expected to aid in tracking the spread of the disease.

Drs. Richard Jacobson and Sang Shin, working in collaboration with research support specialist Eric Shaw, developed what they say is a more valid test for Lyme disease.

"We've taken the current testing systems and modified them to create a computerized kinetics ELISA (enzyme-linked immunosorbent assay) test," said Jacobson, an associate professor of immunoparasitology. "The test is not only more efficient and reliable than previously available tests, it is also more sensitive to the presence of infection."

Although treatable with antibiotic therapy, the effectiveness of Lyme disease treat-

ment depends on how promptly it is initiated, explained Shin, an associate professor and director of microbiology in the Veterinary Medicine Diagnostic Laboratory.

"Clinical diagnosis of the disease is very difficult because many infected people show few, if any, signs," said Shin. "Others develop a variety of difficulties that range from flu and rheumatoid arthritis-like symptoms to meningitis, facial nerve paralysis, severe mood swings and cardiac complications. What's more, first signs can appear anywhere from three weeks to four years after infection."

Lyme disease is caused by *Borrelia burgdorferi*, a type of spirochete bacteria that has proved difficult to culture in the laboratory because little is known about its special needs. In nature the spirochete grows in the tick's intestines, then passes to a victim by a tick bite. In the laboratory, Shin successfully gathered samples of the spirochete by performing microsurgery on the tick's intestines and saliva glands, then isolated the bacteria by filtration techniques.

Until the Cornell test was developed, diagnosis of Lyme disease was complicated

because serological tests for the presence of the spirochete were unreliable in some cases and difficult to interpret, according to Jacobson.

"In much of the serology that's being done, interpretation of the results is highly subjective and difficult to confirm because the organism often appears in low numbers and may cross react with other organisms commonly present in the bodies of both humans and domestic animals," Shaw said.

"Our work is directed toward a more rational way to interpret the results, particularly in that area where low reactivity occurs," he added.

The Cornell ELISA test for the presence of *Borrelia* antibodies in dogs and an IFA (indirect fluorescent antibody) test for cats and horses became available to veterinarians in February.

"Epidemiologists are at the early stages of understanding the distribution and spread of Lyme disease," Shaw said. "If we can identify seropositive dogs and interpret test results accurately, we'll have a better understanding of those locations where people will be at risk."

—Roger Segelken

ries, lecture halls, the 47-foot research vessel John M. Kingsbury and a fleet of smaller boats.

"Art in the Marine Environment," the latest addition to the laboratory's non-credit-course roster, offers a choice of two workshops from Aug. 21 through 26. "Painting Marine Environments" is taught by Cynthia D. Hyde of the Caldbeck Gallery in Rockland, Maine; and "Marine Wildlife Sculpture," by D.H.S. "Duff" Wehle, a seabird ecologist and a member of the Society of Animal Artists.

Other non-credit programs include the ecology of the Gulf of Maine, marine mammals, sperm whales and oceanic dolphins, nature photography, biological illustration, bird study and a seven-day expedition from New Hampshire's Mt. Washington to whales' feeding ground.

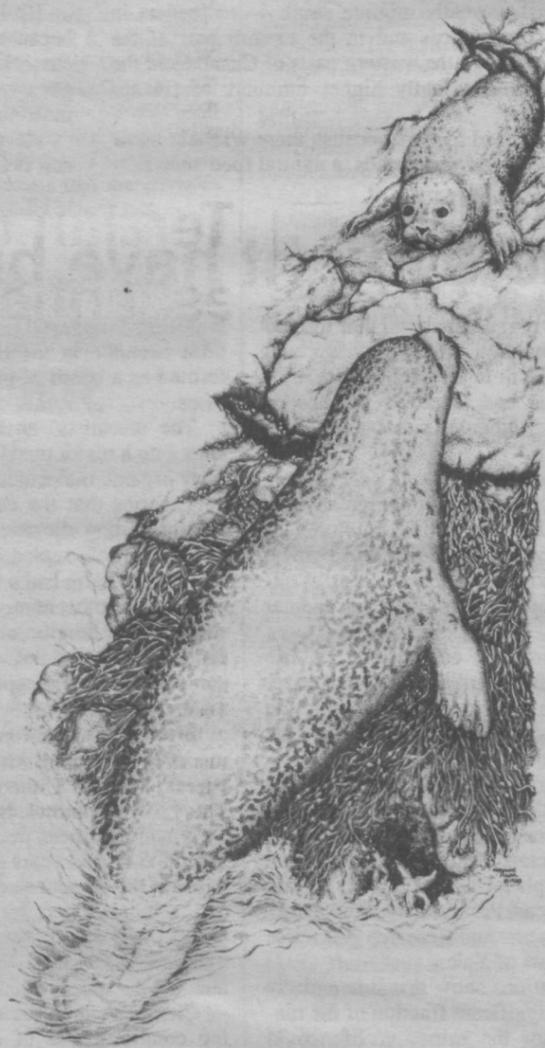
"Marine Biology for Teachers" awards one semester credit for a two-week program of daily and evening lectures, laboratories and field work with living marine organisms and their environment.

New for-credit courses for college undergraduate and graduate students this summer include those focusing on factors influencing the microclimate of Appledore Island and on the morphology, life histories and nutrition of microscopic plants and animals.

Other credit courses include marine science, the ecology of animal behavior, marine botany, marine pollution, coastal and oceanic law and underwater research.

Information on programs at Shoals Marine Laboratory is available by calling 255-3717.

—Roger Segelken



Marianne Fisher

Three courses on art and marine life are among more than 30 offerings at Shoals field station this summer.

## 3 Hotel scholarships given by liquor importer

A major importer of wine and spirits has turned merchandise allowances that it receives from magazine advertising into a scholarship fund for the School of Hotel Administration.

Schieffelin & Somerset Co. of New York City decided that promotional funds received from publications in which its gin, cognac and Scotch are advertised could be better used to help finance students' education rather than to publicize the magazines as advertising media for their brands.

So the company established the Tanqueray Gin, Hennessy Cognac and Johnnie Walker Scotch Scholarships for Cornell Hotel School students who are specializing in beverage management.

The initial scholarship fund totals \$186,245 over 10 years.

The first three scholarship winners were announced last month at a reception held in the Forbes Magazine Galleries in New York City.

Clint Rodenberg, Schieffelin & Somerset's senior vice president of marketing, said the merchandise allowances were donated by magazines to the company to purchase gifts that publicized advertising campaigns.

"We believe the publications' promotional dollars can be better utilized for scholarships for students about to enter the beverage industry," he explained.

The publications agreed. Instead of giving promotional funds to the company, publishers are donating money for scholarships.

Participants include Time Inc., Forbes, Premiere, European Travel & Life, New York, The Conde Nast Publications Inc., Army Times Publishing Co., Ebony, Food & Wine, Bon Appetit, Architectural Digest, Travel & Leisure, Us, New Yorker, W, Business Week, Rolling Stone and Details.

"Schieffelin & Somerset's unique idea is an exciting, creative solution to scholarship funding, and I hope other companies will join them in supporting our programs," said John J. Clark Jr., Hotel School dean.

"Providing adequate funds for student assistance and financial aid continues to be one of the school's major priorities, and I am therefore pleased that Schieffelin & Somerset has established these three new scholarships."

Recipients of the first scholarships are:

- Eleonora Basiszta, Washington, D.C., a junior who was born in Romania and came to the United States as an adult with-

out a speaking knowledge of English.

- Shaun Kirby, Appalachin, N.Y., a senior whose wife works in a bank to support the couple and their child.

- Olga Odosey, Philadelphia, a junior and Ukrainian-American described by the scholarship donors as "an excellent student and role model for her classmates."

A spokesman for Time magazine said replacing merchandising allowances with scholarship funds saved the magazine from extra work while contributing to a good cause.

Participating magazines were pleased to forgo the publicity that they received as advertising media for wines and spirits.

"We were very impressed with the idea," said Time's Dick Heinemann.

"Not only could we share in the goodwill these scholarships create, but the extra work of having to print up logoed materials and search out tickets to entertainment and sporting events [as merchandising allowances] is alleviated."

Income from the endowment will be available for scholarships again next year, and Schieffelin & Somerset plans to increase the endowment annually.

—Albert E. Kaff

## Hotel students set to join in nationwide video teleconference

Students in the School of Hotel Administration will participate in a nationwide video teleconference on the future of hospitality management on April 7.

J.W. Marriott Jr., chairman of the board of Marriott Corp., will answer questions in Boston from hospitality-industry students at five universities during the live telecast.

The teleconference was arranged as part of the 78th annual convention and show of the American Hotel & Motel Association in the Marriott Copley Place Hotel in Boston.

Marriott will speak at the convention's opening breakfast and then take students' questions, the first from a Cornell Hotel School student via a two-way audio link between the Statler Auditorium and the Boston hotel.

The video link will be one way — from Boston to participating universities.

The telecast is open to the public in Statler Auditorium, where Cornell's Hotel School students will assemble, beginning at 8:30 a.m.

# Toxicologist: Pesticide regulations protect public health

The press and public may have become overly concerned about pesticide residues in food, according to Cornell toxicologist James W. Gillett, who said in an interview that the current government regulatory process is highly effective in protecting public health and the environment.

"There is no evidence whatsoever that any child ever died in the United States from eating food that contains pesticide residues," said Gillett, a professor of ecotoxicology and director of the Institute for Comparative and Environmental Toxicology.

He characterized a recent report by the Natural Resources Defense Council as "grossly misleading" and as "just another paper review that is not really advancing public health."

In its report, the New York City-based environmental group charged, among other things, that the current federal regulation of pesticides fails to protect preschoolers from exposure to what the group called "dangerous amounts of pesticides" in fruits and vegetables.

"The NRDC report is a simplistic view of the problem. Parents should not be panicked by such reports," Gillett stressed. "Pesticide residues in food are insignificant and would probably not cause cancer as the group claims."

Consumers Union, the publisher of Consumer Reports magazine, said on March 30 that it found five brands of apple juice unac-

ceptable to consumers because of what it called "high levels" of residues of Alar in those samples it tested. It reported that these samples had levels ranging from 0.62 ppm to 1.8 ppm. Alar is the trade name for the plant growth regulator daminozide and is used primarily on red apples.

Residues of Alar in apples are far below the federal standard of 20 parts per million, Gillett pointed out.

Tests conducted by the New York State Department of Agriculture and Markets showed that more than 79 percent of apples sold in stores throughout the state are free of Alar. In those samples where this chemical is detected, Alar was found at levels ranging from 0.5 ppm to 3.3 ppm, well below the maximum allowed by the EPA.

"There is absolutely no reason for parents to stop giving apples to their children," Gillett said. "As far as I am concerned, I will continue to have my own children eat the fruit. A child would have to eat hundreds of pounds of Alar-treated apples a day to even get close to the level set by EPA as unsafe."

Gillett also said that the NRDC report "wastes our time and energy" because there are more pressing health issues requiring attention.

"Overconcern about these residues may have been misplaced and diverted resources from more pressing problems," he wrote in a recent position paper. "For example, there has been a 20-fold increase in microbial in-

fections arising from public drinking water supplies, probably because of changes in chlorination patterns undertaken to avoid trace amounts of mutagens and carcinogens in chlorinated drinking water."

He also pointed out that hundreds of children are involved each year in accidents caused by improper handling of common household chemicals such as bleach, soap, salt and medicine.

Gillett, who previously served as a senior terrestrial toxicologist with the EPA's Environmental Research Laboratory at Corvallis, Ore., said that the government regulatory process also takes into account children, not just adults, in establishing pesticide tolerance levels in food.

The process is complex, but the system, overall, provides the nation with a safe food supply and does not endanger human health or the environment, he said.

Gillett said that the amount of any given pesticide that might be consumed through food and other sources is controlled by a complex set of processes involving the U.S. Environmental Protection Agency, the Food and Drug Administration and the U.S. Department of Agriculture.

"This process, in turn, is but part of lengthy and detailed review that pesticides receive during registration for use on each particular crop," he said. "The deliberation may involve not only food, but also air and water, and must protect wildlife, fish, other plants and even transportation of the materi-

als. Thus, by the time a pesticide is registered for use, it has received attention from about a dozen federal and state agencies."

Gillett explained that it usually takes seven to 10 years for a newly discovered pesticide to become a commercial product because it has to go through a series of rigorous evaluations and reviews by regulatory agencies.

"Manufacturers may criticize this scheme as being very tedious and burdensome on them, while some members of the public might desire to postpone any decision until all data are in," he said.

"What has emerged over the past three decades of effort is a balanced approach in several regards," Gillett continued. "That balanced approach creates a cumbersome and slow-moving process which, nonetheless, protects sources of food and fiber and does not endanger human health or the environment, while affording economic incentives for both profit and a safe product."

The regulatory process involves studies focusing on usage, health and environmental chemistry, he noted. These studies become the basis for extensive field trials which, in turn, provide a variety of information for a provisional risk assessment.

"Should there be an inadequate measure of relative safety at this stage, the chemical may be rejected or is at least subjected to more rigorous tests, more tightly defining the likely risks," he said.

—Yong H. Kim

## 3 to give advice about first jobs

Three corporate executives will discuss "First Job Issues: Getting Off to the Right Start" during the second annual forum of the Black and Hispanic Graduate Business Students Association, April 6 at 4 p.m. in the Bache Auditorium of Malott Hall.

The panelists will be:

- Vivian Nero, branch network study coordinator at American Telephone & Telegraph Co., New York City.

- Sol Trujillo, vice president and general manager of US West, a member of Bell Communications Inc., Phoenix, Ariz.

- Mario Marrozos, controller for Hewlett-Packard Co., Rockaway, N.J.

After the panel discussion, each speaker will lead a discussion group beginning at 5:30 p.m. Nero's topic will be image presentation issues, Trujillo will discuss networking and Marrozos will center on office politics.

A reception for the three speakers will follow the discussions from 6:30 to 7:30 p.m. Dorothy Clark, a second-year student in the Johnson Graduate School of Management, is chairwoman of the sponsoring association, and arrangements were announced by Sanford Williams, a first-year student in the Johnson School.

## Terzian calls scientific literacy essential for a modern society

Declaring that "prayer and poetry will not solve our problems," Professor Yervant Terzian called Monday for greater emphasis on science and technology courses at all levels of education.

He suggested teaching an astronomy course in all high schools and possibly awarding more academic credits for science courses than for non-science courses and a higher salary to science faculty than to non-science faculty in college.

Terzian, chairman of the Astronomy Department, made his comments during his talk in the term-long lecture series on "Teaching for a Learning Society."

"If we care about future generations, we must change the perilous course of scientific illiteracy [in the United States]," he said. "The basis of knowledge in the late 20th century comes from science," but surveys indicate that 94 million Americans do not know that Earth takes one year to revolve around the sun, Terzian added.

A survey of 23,000 high schools nationwide found that only 15 percent of students were taking one year, at most, of physics and that 30 percent were taking one year or less of chemistry. Of the schools surveyed, 7,100 did not offer physics and 4,200 did not offer chemistry, he said.

How, then, are Americans supposed to make intelligent decisions about the Strategic Defense Initiative, acid rain, the greenhouse effect, biotechnology and other issues? Terzian asked. The democratic sanctity of "free opinions" should be replaced by a demand for "informed opinions," he said.

To help build a scientifically literate populace, an introductory astronomy course

should be offered in all high schools, Terzian said. Astronomy captures students' imaginations, and enthusiastic students who take an astronomy course really are learning "physics in disguise," he said. Cornell's introductory course covers topics such as the nature of matter and atomic structure, nuclear energy, black holes, galaxies and quasars, theories of relativity and time.

Before high school, "We should begin science teaching at home and in elementary schools," he said.

At the college level, there is a perception that studying science is harder and more time consuming than is studying non-science subjects, Terzian said. If that perception is accurate, why not award more credit hours for science courses than for non-science courses, offer higher grades in science to reward those students and pay a higher salary to science faculty than to non-science faculty? he asked.

He called on his scientific colleagues to "leave their cubicles and talk to people; they don't do enough of that." He also commended Cornell's participation with six other colleges and universities in an undergraduate science education program that is developing introductory courses for science and non-science majors, giving undergraduates research experience and promoting the exchange of scholars among the institutions.

Among his "10 commandments" for improving science and technology education, Terzian said that schools at all levels must work to erase the "mad scientist" image, stress the usefulness and benevolence of science and encourage critical thinking and quantitative analysis.

## Maxine Kingston to give a lecture

Maxine Hong Kingston, whose book, "The Woman Warrior: Memoirs of a Girlhood Among Ghosts," won the National Book Critics Circle Award, will discuss her first work of fiction at 4:30 p.m. on April 10 in Kaufmann Auditorium, Goldwin Smith Hall.

Kingston's new fictional work, "Tripmaster Monkey — His Fake Book," relates the adventures of Wittman Ah Sing, a Chinese-American just out of a university who dreams in the 1960s of writing and staging a play in which several classic Chinese novels are interwoven into a drama involving flying horses and battles of thousands of men.

Before her lecture, the author will autograph copies of that book in the campus store from 1:30 to 3:30 p.m.

Kingston, 48, of San Francisco, is a former English professor. In "The Woman Warrior: Memoirs of a Girlhood Among Ghosts," published in 1976, she blended autobiography and fiction to describe growing up between two cultures in America. Her second book, "China Men," tells how America viewed Chinese immigrant men and what these men thought of themselves.

The author's visit is sponsored by the Asian American Studies Program.

## Council of Creative and Performing Arts offering grants of up to \$500 for projects

Applications for grants of up to \$500 for 1989-90 projects in the creative and performing arts are being accepted through May 1 by Cornell's Council of the Creative and Performing Arts.

Students and staff are eligible for individual grants to fund projects that must be completed and presented within 12 months.

The awards cover costs of materials for projects that are not primarily concerned with course work or research.

The CCPA also is accepting proposals from departments, faculty and student organizations for programs involving visiting artists and performers during 1989-90.

The programs should be for cultural activities that are not part of the regular academic responsibility of individual departments.

Also, the projects must have a public in-

terest.

They may include theater and music productions, exhibitions, poetry and prose readings, literary journals, multimedia programs and visiting artists.

For general details about the council, contact Anna Geske, program director, at the council's office in the A.D. White House, 255-7274.

For application information in specific areas contact: John Zissovici, architecture; Thomas Leavitt, Jean Locey, Stanley Taft or Kay WalkingStick, art; Joyce Morgenroth, dance; Beate Ziegert, design; James McConkey, Walter Slatoff or Stephanie Vaughn, creative writing; Richard Herskowitz or Marilyn Rivchin, film; Sonya Monosoff or Steven Stucky, music; David Feldshuh or Jill Moon, theater arts.

—Martin B. Stiles

## Graduate Bulletin

**May degrees:** May 19 is the deadline for completing all requirements for a May degree, including submitting the dissertation/thesis to the Graduate School. Professional master's candidates should check with field regarding the deadline, as that deadline may be earlier than the Graduate School's.

**Course Pre-enrollment:** Graduate students are advised to pre-enroll for courses for fall semester, 1989. Pre-enrollment is from March 29 through April 12. Pre-enrollment will insure that your name is on initial class lists, thereby increasing chances of enrollment in undergraduate courses that are typically over-subscribed. Forms available at Graduate Field Offices and Sage Graduate Center. Obtain appropriate signatures and return form to Sage

Graduate Center by April 12.

**Conference Travel Grant Applications** are due at the Graduate Fellowship and Financial Aid Office, Sage Graduate Center, by May 1 for June conferences. Application forms are available at Graduate Field Offices. Grants for transportation are awarded to registered graduate students invited to present papers. There is no reimbursement for lodging, meals or registration.

**Dissertation Award:** The Guilford Essay Prize awards \$600 to the student whose dissertation exhibits the highest standard of excellence in English prose. Dissertations filed between January 1988 and April 1989 are eligible. Deadline for submissions is April 28. Send entries to the Dean of the Faculty, Day Hall.



## Barton Blotter: Air panels slashed

An unidentified person slashed seven air panels in the tennis bubble on Kite Hill sometime on March 29, causing \$400 in damage. A second air pump was used to prevent the bubble from collapsing, according to the morning reports of the Department of Public Safety for March 27-April 2.

There were 10 thefts reported on campus with losses in cash and valuables set at \$2,010. The losses included \$618 in stereo equipment taken from Lincoln Hall, a \$494 dash stereo removed from a car in the Hasbrouck Apartments parking lot and \$160 in cash stolen from a purse in Martha Van Rensselaer Hall.

Also, a moose head of undetermined value was removed from a wall in Stimson Hall sometime between midnight and 5:45 a.m. March 30.

Three parking permits were reported stolen. Three persons were referred to the judicial administrator on separate charges of possession of stolen property, forging a parking permit and malicious mischief. Someone slashed three tires on a car in the Parking Garage sometime on April 1.

## History *continued from page 1*

The choice was endorsed by the consultants Sasaki Associates and American Cities Corp., the City of Ithaca, the Department of Theater Arts faculty and Cornell's Campus Planning Office.

The site is a critical junction of Cornell life and history: It is beside the university's oldest building, Cascadilla Hall, at the edge of 140-foot-deep Cascadilla gorge that runs through the campus and the memories of Cornellians, and at the foot of the stone bridge that spans the gorge where Collegetown enters the campus.

The decisive reason for the site choice, however, was neither geology nor nostalgia; it was the center's commitment to teaching. The center was never conceived as an out-of-town test site for Broadway plays or a stop for traveling musicals. The main, proscenium theater seats only 456; most of the 100,000 square feet of space serves the teaching mission. While some of the 21 sites would have allowed plenty of parking in "rural" campus areas, this "urban" site — where thousands of students live and work and gather well into the night — was considered more appropriate for scene-building work, rehearsals and other theater activities

that also run late.

The London architectural firm of James Stirling, Michael Wilford and Associates was chosen in the summer of 1982 from six finalists culled from an initial list of 40. Stirling, whose life's work won him the Pritzker Prize in 1981, was called by New York Times critic Ada Louise Huxtable "one of the great architectural talents of the 20th century."

Stirling, Wilford presented 11 initial plans in the fall of 1982 and unveiled their design-development drawings in September 1983.

Refinements involving the architect, its associated firm in New York (Wank Adams Slavin) and numerous Cornell constituencies in Ithaca went on for almost two years. Because initial bids came in well above budget, further redesigns were required, delaying ground-breaking until the spring of 1986.

The center was completed at a final budget of about \$25 million. Faculty began moving in in May 1988, and classes began the following fall, although final touches were not completed until the spring of 1989.

Spread over six levels are three theaters

and three dance studios, working laboratories for courses in scenic, costume, lighting and property design, editing rooms, 12 faculty offices, two seminar rooms, a library and facilities to administer the Theater Arts Department and its productions.

Cornell's long-term planning has dovetailed with the development of the center. Before the site was determined, Cornell had committed itself to improving buildings and landscape along Central Avenue, the Collegetown Bridge, and two residence halls and public spaces adjacent to the center site.

This planning led to joint efforts with the City of Ithaca, including joint funding of consultant studies and hiring of a developer for the area around the new center. Cornell itself commissioned Stirling, Wilford to do a concept plan for wider development in Collegetown.

Although the actual changes arising from this cooperation were less ambitious than some of the possibilities that were discussed, the joint effort produced a decided upgrading of Collegetown and a palpable improvement in relations between the city and the university.

—Sam Segal

## Briefs *continued from page 2*

in Room 115 and for students in the social sciences in Room 122.

■ **Typists' list:** Typists wishing to be added to the list maintained at the Reference Department of Uris Undergraduate Library must fill out and file information forms by June 1. Forms are available at the Reference Department.

■ **CCTS:** Deadlines to submit Cornell Children's Tuition Scholarship applications for the 1989-90 academic year are: May 1 for summer session, June 1 for 1989-90 academic year or the fall term only, and Dec. 1 for the spring term only. There will be an information meeting on CCTS from 3 to 4:30 p.m. on April 10 in Kaufmann Auditorium of Goldwin Smith Hall.

■ **Benefits summary:** A report of each employee's benefits elections will be mailed to

his or her home address this month. The report covers salary, Social Security benefit estimate, tax deferred investments, retirement, health care coverage, Select Benefits, disability and survivors' benefits.

■ **Women artists:** Five women artists will be interviewed on Community Access TV Channel 13 on successive Mondays at 9:30 p.m. starting on April 10 in conjunction with the "Visual Feminist Discourse" conference sponsored this month by Cornell's Art Department. For details, see Calendar listings under symposia. The artists, in order of appearance, are Joan Mitchell, current subject of a major exhibition at the Johnson Museum; Lee Krasner; Laurie Anderson; Barbara Kruger and Martha Rosler.

■ **Counselors sought:** The Dean of Students Office in 103 Barnes Hall, telephone 255-5373, is seeking volunteer Off-Campus

Housing Counselors to serve in August to help new transfer, foreign and graduate students find housing and adjust to living in the Ithaca area. Applications must be submitted by April 13. They are available at the Dean of Students Office, the Willard Straight Desk and the Information and Referral Center in Day Hall.

■ **Extramural Study:** Tomorrow is the last day to change grade options and credit hours. The office is at B12 Ives Hall, and the phone number is 255-4987.

■ **Breakfast with Rhodes:** A limited number of places are available for students to sign up for breakfast with President Frank H.T. Rhodes. His office's telephone number is 255-5201. The breakfasts are held from 7:30 to 8:30 a.m. in the Elmhurst Room of Willard Straight Hall at various times during the year. Reservations are

made on a first-come, first-served basis.

■ **Meals with Morley:** The final meal this semester for employees to meet with Senior Vice President James E. Morley will be a breakfast at the Statler Inn at 7:30 a.m. on May 17. Employees may call the Office of Human Resources at 5-3621 for a place.

■ **Go fly a kite:** Kitemaker Nathan Houck will give a two-day workshop for adult/child teams (one adult and one child per team) on kitemaking and kite flying at the Herbert F. Johnson Museum of Art on April 8 and 15. There is a \$10 fee for materials. The class for 7- and 8-year-olds is full, but there is still space available in the afternoon class for 9- and 10-year-olds. Preregistration and prepayment are required, and places are limited. For more information and to register, call the museum's education department at 255-6464.

## Computer worm *continued from page 1*

before and after that.

Relying on files from Morris's computer account, Cornell Computer Science Department documents, telephone records, media reports and technical reports from other universities, the commission found that:

• Morris violated the Computer Sciences Department's expressed policies against computer abuse. Although he apparently chose not to attend orientation meetings at which the policies were explained, Morris had been given a copy of them. Also, Cornell's policies are similar to those at Harvard, with which he should have been familiar.

• No member of the Cornell community knew Morris was working on the worm. Although he had discussed computer security with fellow graduate students, he did not confide his plans to them. Cornell first became aware of Morris's involvement through a telephone call from The Washington Post to the science editor at Cornell's News Service.

• Morris made only minimal efforts to halt the worm once it had propagated, and did not inform any person in a position of responsibility about the existence or content of the worm.

• Morris probably did not intend for the worm to destroy data or files, but he probably did intend for it to spread widely. There is no evidence that he intended for the worm to replicate uncontrollably.

• Media reports that 6,000 computers had been infected were based on an initial rough estimate that could not be confirmed. "The total number of affected computers was surely in the thousands," the commission concluded.

• A computer security industry association's estimate that the worm caused about \$96 million in damage is "grossly exaggerated" and "self-serving."

• Although it was technically sophisticated, "the worm could have been created by many students, graduate or undergraduate . . . particularly if forearmed with knowledge of the security flaws exploited or of similar flaws."

The commission was led by Cornell's vice president for information technologies, M. Stuart Lynn. Other members were law Professor Theodore Eisenberg, computer science Professor David Gries, engineering and computer science Professor Juris Hartmanis, physics Professor Donald Holcomb and Associate University Counsel Thomas Santoro.

Release of the worm was not "an heroic event that pointed up the weaknesses of operating systems," the report said. "The fact that UNIX . . . has many security flaws has been generally well known, as indeed are the potential dangers of viruses and worms."

The worm attacked only computers that were attached to Internet, a national research computer network and that used certain versions of the UNIX operating system. An operating system is the basic program that controls the operation of a computer.

"It is no act of genius or heroism to exploit such weaknesses," the commission said.

The commission also did not accept arguments that one intended benefit of the worm was a heightened public awareness of computer security.

"This was an accidental byproduct of the event and the resulting display of media interest," the report asserted. "Society does not condone burglary on the grounds that it heightens concern about safety and security."

In characterizing the action, the commission said, "It may simply have been the unfocused intellectual meanderings of a hacker completely absorbed with his creation and unharnessed by considerations of explicit purpose or potential effect."

Because the commission was unable to contact Graham, it could not determine whether Graham discussed the worm with Morris when Morris visited Harvard about two weeks before the worm was launched. "It would be interesting to know, for example, to what Graham was referring in an Oct. 26 electronic mail message to Morris when he inquired as to whether there was

'Any news on the brilliant project?'" said the report.

Many in the computer science community seem to favor disciplinary measures for Morris, the commission reported.

"However, the general sentiment also seems to be prevalent that such disciplinary measures should allow for redemption and as such not be so harsh as to permanently damage the perpetrator's career," the report said.

The commission emphasized, that this conclusion was only an impression from its investigations and not the result of a systematic poll of computer scientists.

"Although the act was reckless and impetuous, it appears to have been an uncharacteristic act for Morris" because of his past efforts at Harvard and elsewhere to improve computer security, the commission report said.

Of the need for increased security on research computers, the commission wrote, "A community of scholars should not have to build walls as high as the sky to protect a reasonable expectation of privacy, particularly when such walls will equally impede the free flow of information."

The trust between scholars has yielded benefits to computer science and to the world at large, the commission report pointed out.

"Violations of that trust cannot be condoned. Even if there are unintended side benefits, which is arguable, there is a greater loss to the community as a whole."

The commission did not suggest any specific changes in the policies of the Cornell Department of Computer Science and noted that policies against computer abuse are in place for centralized computer facilities. However, the commission urged the appointment of a committee to develop a universitywide policy on computer abuse that would recognize the pervasive use of computers distributed throughout the campus.

The commission also noted the "ambivalent attitude towards reporting UNIX security flaws" among universities and commer-

cial vendors. While some computer users advocate reporting flaws, others worry that such information might highlight the vulnerability of the system.

"Morris explored UNIX security amid this atmosphere of uncertainty, where there were no clear ground rules and where his peers and mentors gave no clear guidance," the report said.

"It is hard to fault him for not reporting flaws that he discovered. From his viewpoint, that may have been the most responsible course of action, and one that was supported by his colleagues."

The commission report also included a brief account of the worm's course through Internet. After its release shortly after 7:26 p.m. on Nov. 2, the worm spread to computers at the Massachusetts Institute of Technology, the Rand Corporation, the University of California at Berkeley and others, the commission report said.

The worm consisted of two parts — a short "probe" and a much larger "corpus." The probe would attempt to penetrate a computer and, if successful, send for the corpus.

The program had four main methods of attack and several methods of defense to avoid discovery and elimination. The attack methods exploited various flaws and features in the UNIX operating systems of the target computers. The worm also attempted entry by "guessing" at passwords by such techniques as exploiting computer users' predilections for using common words as passwords.

The study's authors acknowledged computer scientists at the University of California at Berkeley for providing a "decompiled" version of the worm and other technical information. The Cornell commission also drew on analyses of the worm by Eugene H. Spafford of Purdue University and Donn Seeley of the University of Utah.

Copies of the report are available from the Office of the Vice President for Information Technologies, 308 Day Hall, 255-3324.

—Dennis Meredith

# Networking

A Cornell Newsletter Published by Employees for Employees

Volume 10, Number 16

Thursday, April 6, 1989

## Employee Spotlight: Marcia Eames-Sheavly



By Kathleen O'Brien

The title "technician" has a different description in just about every technical position in this university. We all have an image of a white-frosted, slightly frazzled individual stirring chemicals into a flask on top of a Bunsen burner. But what about a technician who picks, weighs and measures an average of 3 tons of strawberries as part of her duties?

Marcia Eames-Sheavly has been with the Department of Pomology and at Cornell for approximately two years. And along with the 3 tons of strawberries mentioned above, she also maintains all the various small fruit research project plots in the field. Marci's duties include maintaining the blueberry, raspberry, currant and gooseberry plots and the Pomology Club garden.

All the small fruits that are planted, picked and researched in the spring and fall months generate data in the winter. Marcia analyzes data, writes articles and presents lectures for Cornell Cooperative Extension. She also gives her talent for freehand drawing a real workout by coming up with technical illustrations to fill the need created by various extension bulletins, pamphlets and her professor's Small Fruits newsletter.

Marcia especially enjoys working in the fields in the spring and summer. She has been able to keep up with advances in research by taking advanced classes in physiology and statistics. Marcia has taken advantage of the computer age by using that tool for her writing and statistical analysis.

She states "I really enjoy seeing a project through completely from planting the fruit, to picking and weighing it, to data analysis, to writing the article, to giving the lecture." Working with the people in the field, the summer people, and the graduate students make her job a particular enjoyment. Of course, Marcia did say that she "especially enjoyed eating all the luscious fruit from the small fruit research plots."

Her knowledge of agriculture, math

Continued on page 4

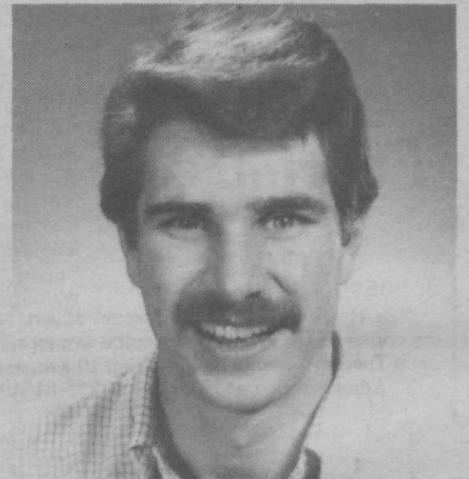
## Trustee Report: A Message from Your Employee Elected Trustee

By Dwight Widger

Brown Bag Luncheons: Wednesday April 12 at 12:15 in room 445 Statler Hall, members of the Task Force for Working Families will be there to hear from employees. The charge of the Task Force is to "explore and identify the needs of employees responsible for the care of others as that responsibility impacts their employment at Cornell." This will be an excellent opportunity for employees to inform the members how they have dealt with flextime, job sharing or part time employment. The Task Force members are gathering as much information from employees on what has worked within the present system of policies.

Dedicated Service Awards: This award has been presented to many individuals over the last ten years. Employees who have been here at Cornell for five years and forty years have received this award. The awards are presented by your Employee Elected Trustee during a time when coworkers can come and celebrate the achievements that the recipient has made. I encourage you to make a nomination and mail it to Dominic Versage, Dept. of Environmental Health, 118 Maple Ave..

As your Employee Elected Trustee I  
Continued on page 4



## Employees Volunteer to Help During Registration

For the past three semesters Cornell employees have volunteered to help the Registrar's Office during the registration process. Having Cornell employees participate is an idea that has been growing for the past three semesters and now more and more employees are volunteering.

For the spring '89 registration 14 departments released 31 staff members for either a full day or half day to help validate I.D. cards.

What do the employees who volunteer think of the process? They're finding it a rewarding experience. John Spencer, director of Volunteer Programs in the undergraduate admissions office stated, "It was a good opportunity to see how the

registration process works and visit with a variety of students. I was amazed how smoothly the whole process went and the job turned out to be considerably more interesting than we thought it would be."

Bruce Roebal, assistant to the director, Minority Educational Affairs, noted: "I very much enjoyed my participation in this term's registration process. Events such as this provide a wonderful opportunity for members of the Cornell community to become better acquainted. I believe more staff should be more involved in the activities of the university and this involvement should extend beyond an employee's immediate work area."

Laura Burch, promotion assistant, University Press also volunteered this

spring and found that the experience was "certainly a change of pace from my regular work. The students, almost without exception were courteous and friendly. The lines moved quickly; my partner turned out to very interesting and even the box lunch was OK."

The Registrar's Office is looking for-

ward to continuing this involvement of Cornell employees in the registration process. We hope to increase the participation of members of the Cornell community including Cornell retirees. It's exciting to have this fine quality of volunteer staff assisting with such an important university event.



**Brown Bag Luncheon on**

**Work and  
Family Issues**

**April 12 at  
12:15pm**

**Statler Hall, Room 445**



## The Geneva Station: A Vital

**By Susan Dwyer**  
Employee Assembly Representative,  
Geneva

Cornell's New York State Agricultural Experiment Station at Geneva is one of the premier horticultural research institutes in the world. Encompassing more than 1,000 acres, including outlying laboratories in Highland and Fredonia, the Station conducts research and extension activities on fruits and vegetables, a \$2 billion annual industry in New York.

There are approximately 360 full-time employees at the Station, 65 of whom are members of the Cornell faculty. The annual budget is about \$15.5 million.

There are four major departments at Geneva: Horticulture (including viticulture, vegetable seeds), Entomology, Plant Pathology (including Food Science and Nutrition of food products).

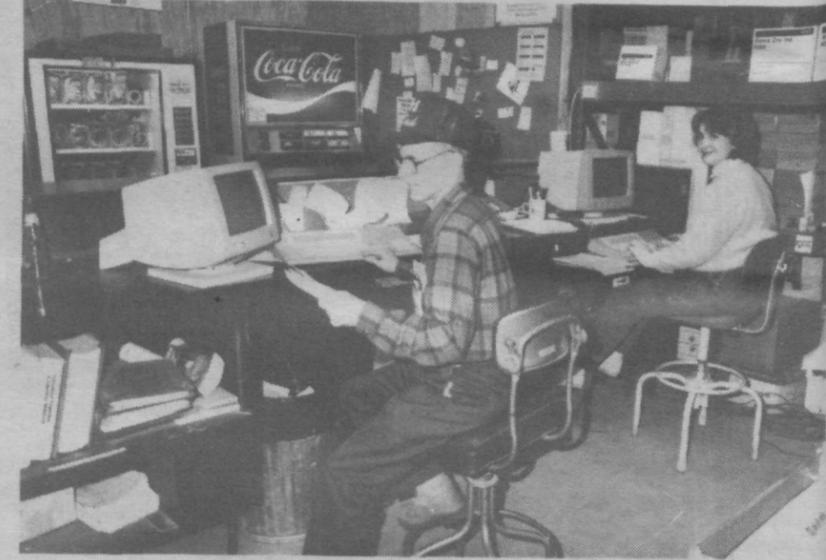
Additionally, the Station has an Extension Program, the Geneva and Life Sciences Center. Also at Geneva is the University of Agriculture's Agricultural Experiment Station, a regional Plant Introduction National Repository.

Supporting the Station's activities are: Administration, Computer Center, Facilities, Field Research and Properties.

EMPLOYEE	DEPARTMENT
T B Abrams	Financial Aid
Cathy Andersen	Vet College
Patricia Ard	Campus Planning
Phyllis Barney	Architecture
Tammy Benjamin	Nutritional Sciences
John D Black	Law School
James Blankenship	Biotechnology
Michelle Bogard	Chemistry
Cynthia Bond	English
Joanne Bordonaro	Graduate School
Carol Brewer	Engineering
Scott Brind	Statler Hotel
Lucille Broberg	Asian Studies
Nicholas Brown	Human Ecology
Leisha Burke	Information Technologies
Anne Butler	Engineering
Sandra Carrington	Human Resources
Steve Chichester	Buildings & Grounds Care
Ronald Chrzaszcz	Information Technologies
Karen Cilley	Graduate School
Amanda Clearwater	Theory Center
Lisa Cleveland	Career Center
Joan Couse	Environmental Research
Henry Crans	Arts & Sciences
Joanne Davenport	Public Affairs
Jean Davis	Public Affairs
Tania Dayanoff	Ornithology
Maryann DeMarco	Health Services
Elberta Donohue	Admissions
Phillip Doty	Facilities
Diane Downing	Mathematics
Carol Ereher	Engineering
Michele Fish	Engineering
Douglas Flanagan	Engineering
Bridget Foster	Financial Aid
Debra Foster	Statler Hotel
Leslie Freeland	Buildings & Grounds Care
Kenneth Frost	Information Technologies
Lorraine Gaige	Food Science
Yvette Germany	Public Affairs
Margaret Goodbody	University Development
Alan Grant	Buildings & Grounds Care
Kelly Green	Theory Center
Sheila Haddad	Moderan Languages
Nancy C Harm	Johnson Museum
Theresa Hart	Summer Session
Shawn Henderson	Statler Hotel
Virginia Herrmann	Financial Aid
Christine Heslop	Theatre Arts
Patricia Hine	Traffic Bureau
Connie Holmes	Financial Aid
William Holmes	Engineering
Linda Hoose	Statler Hotel
James Howell	Information Technologies
Arthur Howser	Vet College
Morey Hubbell	Engineering
Judy Jackson	Engineering
Linda Johnson	Cornell in Washington
Bryan Kain	Nuclear Studies
Carol Kannus	Psychology
Thomas Keane	Financial Aid
Kimberly Kern	Financial Aid
Nancy Law	Admissions
R. Leibensperger	Theory Center
Marsha Leonard	Hotel Administration
Raymond Mallaber	Geneva
Marianne Marsh	English
Susan Martin	Theory Center
William Martin	Engineering
Sue McCray	Financial Aid
Carlton McIntyre	Statler
Jonathan Meltzer	Modern Languages
Janice Miles	Summer Session
John C. Miner	Physics
Jill Mohr	Graduate School
Sally Moore	Theory Center
Angel Morales	NAIC
June Morehouse	Law School
Lona Neumann	Financial Aid
Elisa O'Hara	CRSR
Sharon Palmer	Statler
Julie Parker	Career Center
James Payne	Statler
Zachary Pesold	Nuclear Studies
Carol Peterson	Financial Aid
Beverly Phillips	Archaeology
Bernadette Pickett	Accounting
Margaret Place	Graduate School
Richard Polcaro	University Development
Vivian Rappleye	Unions & Activities
Francine Reed	Dining Services
Norman W. Reid	Vet College
Deborah Reynolds	Statler
Janice Ricardo	CRSR
Monica Riegler	Nutritional Sciences
Dolores Robinson	Government
Mary Root	Engineering
Priscilla Schenck	Vet College
Peter Siegel	Theory Center
Daniel Sims	Hotel Administration
Debra Smith	Sociology
Janice Swansbrough	Public Affairs
Bonnie Tanner	Writing Program
W. Terwilliger	Biochemistry
Michelle Thibodeau	Campus Store
Willie Thomas	Statler Hotel
Tina Thompson	Information Technologies
Kevin Thornton	Statler Hotel
Carol Vanderburgh	Public Affairs
Sharon Van Winkle	Travel Office
Josephine Velez	International Studies
Colette Walls	Classics
Regina Wharton	Human Resources
Charles Wheeler	University Press
Carolyn White	Computer Services
Brigitte Wilkin	Health Services
Katherine Wilson	Environmental Research
Susan Woodard	Graduate School
Janice E Wright	Women's Studies

## Transfers and Promotions for February and March

## General Stores Mission: The Collective Buying, Central Re Distribution for the University



Aided by our on-line Inventory Management System, Alga vose checks the status of a customer order, while Cathy Caveney enters data, updating inventory information, at our orchard facility customer counter.



Two of our campus ambassadors, Steve Hubbell, left, and Bill Coil, on a lift truck, assist each other in loading General Stores vehicles for the daily deliveries of customer orders to campus.



Gas cylinders for our customer orders are delivered daily, safely and expeditiously by General Stores staff Tom Welch, left, and Ray Sears.

## Part of Cornell's Agricultural Research and Extension Programs

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nit, and Buildings

Started by an Act of the state legislature in 1880, the Station has been in operation since March 1, 1882. It became part of Cornell in 1923. Until 1945, the Station did research on the gamut of agricultural commodities, including dairy and poultry, but after World War II, the animal research program was moved to the Ithaca campus. Since then, the Station has concentrated its efforts on improving the production, protection, and utilization of fruits and vegetables.

Throughout its long history, scientists in Horticultural Sciences have developed numerous varieties of fruits and vegetables and have researched diverse production and cultural problems. 'Empire' and 'Jonagold' apples are two Geneva introductions that received the American So-

ciety of Horticultural Sciences Award of Excellence in 1987 and 1988 respectively. 'Liberty' and 'Freedom' are two apples that are resistant to the four major diseases affecting New York's number one fruit crop. 'Cayuga White' is perhaps the best known grape variety introduced at Geneva and was bred specifically for New York's productive and profitable wine industry.

Scientists in this department also conduct research on seeds and provide regulatory testing services on all types of agronomic, ornamental, and forest crop seeds. There are also individuals who specialize in genetic engineering of fruit and vegetable crop plants.

Entomologists at Geneva are dedicated to the development of improved crop protection technology for fruits, vegetable,

and turf. This includes quality improvement, production efficiency, and resource protection, including increased yields. Scientists are working on monitoring, refinement of action thresholds, predictive modeling, and information delivery systems. Significant work is being done on alternate control strategies, including use of pheromones, use of natural parasites, and development of resistant varieties of plants.

Programs in the department are also active in the areas of biochemistry of insect-plant interactions and on insect molecular genetics.

As is true throughout the Station, much of the research in plant pathology is mission oriented; that is, directly applicable to solving problems of growers and processors. Yet, because of how complex today's agricultural problems are, there is an increasing need for fundamental research to understand better the nature of these problems and to develop improved methods of control.

Geneva's plant pathologists have expertise in bacteriology, mycology, virology, and nematology, as well as in the areas of chemical and biological control, epidemiology and computer sciences, cytology and electron microscopy, disease resistance, soil and seed microbiology, biochemistry, immunology, plant tissue culture, and molecular and cellular biology. Control of plant diseases ranges from use of disease resistant varieties to the use of agricultural chemicals to helping plants control their own diseases by using a less virulent form of the disease.

Assignment of food scientists at Geneva is to improve the quality and utilization of fruits and vegetables that are processed in New York State. The faculty in this department consists of chemists, microbiologists, engineers, and food technologists. Their research includes studies on plant enzymes, rheology and food texture, flavor chemistry, toxicology, filtration technologies, enology, and microbiology.

This department also houses an analytical section that conducts research on pesticides and other environmental contaminants, and performs analyses on the feeds, fertilizers, and liming materials sold in New York. Among its facilities is a large pilot plant that is used for food technology research by both Station personnel and representatives of industry.

An adjunct to this department is the Food Venture Center which is assisting entrepreneurs with weaving their way through regulatory matters and helping to provide advice on marketing strategies.

Working closely with scientists at the Station are specialists from the USDA, ARS Germplasm Resources Unit. This unit is responsible for acquiring, maintaining, characterizing, evaluating, and distributing approximately 19,000 accessions representing over 300 species.

Besides apple and grape, major collections are maintained at Geneva of tomato, pea, perennial clovers, vegetable Brassica species, onion, winter squash, timothy, birdsfoot trefoil, celery, tall oatgrass, and selected ornamental species. Complementing these services is a research program on assessment of genetic diversity, disease detection, and pollination biology.

Two other activities at Geneva are worthy of mention. The New York State Department of Agriculture and markets' division of Plant Industry leases facilities at the Station to assist in maintaining the health of plant material produced by New York State nurseries. This unit of Ag and Markets works closely with Geneva scientists in conducting service and regulatory indexing for deleterious viruses of fruit and ornamental plant materials.

The second activity is the New York State Fruit Testing Cooperative Association, Inc. This organization is not part of the Station. It is an independent, non-profit cooperative nursery formed for the purpose of testing new fruits. Because of the nature of its work, Station personnel work closely with individuals in the Fruit Testing Association. A primary objective of the Association is to propagate and sell the Station's new selections and varieties.

Besides these extensive programs in research and extension activities, about 60 graduate students from the Ithaca campus do their thesis research at Geneva. Also, it is not unusual for a Geneva faculty member to teach a course on the Ithaca campus, although teaching is not a direct responsibility of the Station's program.

## Advantages of Receiving and

By Jack Eckert

General Stores Manager  
Jeopardy question! Category 0120. Where can you buy Agar Agar or filter membrane pure nitrocellulose? How about a pole wooden 50' or even a chair secretarial ergonomic? More common, a

pencil, paper clips or the paper used in copy machines?

Answer.... GENERAL STORES, Cornell university, a university enterprise, with a mission to achieve for the university and its departments all the advantages of collective buying, central receiving, warehousing, and distribution of common goods required in the daily operation of a major teaching and research institution.

Sure you have heard of GENERAL STORES and know that it stocks paper and pens, nuts and bolts, but did you know that GENERAL STORES also stocks "emergency" materials to keep the university operating.

GENERAL STORES stocks pipe for repairs to the campus water mains when they break at 3am or need repairs. What about our steam lines? GENERAL STORES maintains a stock of the various valves, fittings, pipe and insulation to make repairs to this important system. How about a fuse cutout to make repairs at the electric substation, that will keep the lights on, the computers on-line, experiments going.

GENERAL STORES, which serves the campus community from 7:30am-4pm, Monday thru Thursday and 7:30am-4pm on Friday, has over three centuries of experience or at least 346 total employee years experience and knowledge of over 9,900 commodities on shelf.

When you sit at your desk, it is probably a Steelcase desk delivered by GENERAL STORES. Most recently we have installed all the Steelcase furniture in the new Bio Tech building, the newly renovated Statler Hall, Academic II and Sneehall.

Where would some of the research and experiments be without the advice and expertise of the employees of GENERAL STORES? It is not unusual for technicians or professors to bring in equipment they are building and build it on the spot with the plumbing, electrical, electronic and building supplies kept at our facilities.

The main distribution center is located next to the orchard, just off Route 366, where we stock and distribute 99% of the commonly used items for the university community. A satellite store is located in the Humphreys building, where service is designed primarily for the facilities shops.

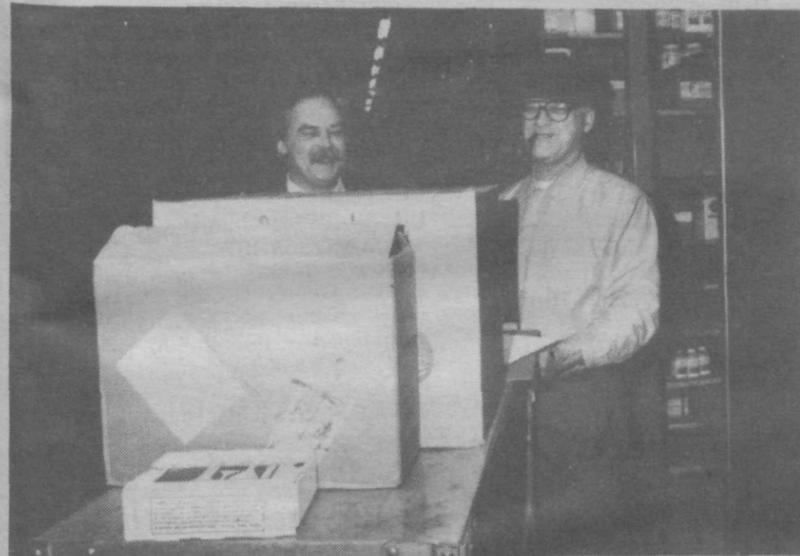
Over 300 orders are transacted daily, by phone or mail, or through our courteous, over the counter sales staff. All phone and mail orders receive our prompt attention and are delivered directly to your location on campus by our staff and vehicles.

What do we sell and deliver in a year? Xerox paper, 8 1-2x11, a fast moving item for GENERAL STORES. How about delivering 120,726 reams, a mere 12,073 cartons or 60,363,000 single sheets. Stretched end to end that represents 10,479.7 miles. Or our fiend Agar Agar, 337 lbs. delivered. For variety we delivered 22,519.35 watt, fluorescent lamps, 639 helium gas cylinders, 12,625 green scrubbing sponges, 55,404 .2 pencils, 14,805 rolls of 3-4" Scotch Magic tape, 230,000 messenger envelopes. This is just a tip of the iceberg of times ordered and delivered by GENERAL STORES to our campus community.

Our staff welcomes you to come to our facility next to the orchard, and see the products that are available for your convenience. If you cannot come over, call us at 255-5121 and we will be happy to tell you more about us or send you a copy of our latest stock list.



The General Stores office customer relations staff, left to right, Guy White, Planner; Cathy Cavency, data entry; Judy Williams, accounts payable; Linda Carvalho, planner; Dave Baylor, office supervisor; Peggy Neuendorf, customer service; Dave Georgia, inventory control. Missing at time of picture but most important also, Debbie Lovejoy, data entry.



Dean Smith, right, picks a waiting customer's order, via a computer generated pick list, at our orchard facility.



Some of the behind the scenes staff, as they pose for a moment, from preparing 300 daily phone or mail orders, to be delivered to our campus customers.

# Unclassified Ads

1. Please send all unclassified ads through Campus Mail ONLY to Networking Unclassifieds, Humphreys Service Building, (hand delivered ads will be omitted) - no phone calls please.
2. For our information your name and campus phone number MUST be submitted with ads, otherwise your ad will be omitted.
3. All unclassified ads are free of charge to Cornell faculty, staff and students and will be printed in the order received as space permits.
4. Please limit your ad to 30 words or less. Any ad longer than 30 words may be shortened by the Networking staff.
5. Unclassified ads are for nonbusiness purposes only.
6. The deadline for the April 20 issue is April 3.
7. If an error appears in your ad, please resubmit the ad to be published in next available Networking.
8. Please submit an ad for each issue that the ad should appear in.

## For Sale

- 1984 Chevy Chevette, good cond, new tires, 58k miles, \$2,000. Jackie 5-3621 days or 273-6960 eves and weekends.
- 1979 Audi 5000S, sunroof, AM-FM, cruise, new rubber, no rust, sharp, \$2,995. 535-4007 eves.
- Sofa bed and chair, coffee table, hassock, entertainment stand, lamp, kitchen chairs, dining set, vacuum cleaner, VCR, Casio keyboard, stereo, desk, brass headboard, dressers, bookcases, deacon's bench. 4-4840, eves. 564-9069.
- Computer system, Commodore 128 computer, 1571 dick drive and 1902A color monitor with green text option switch. All top of line, asking \$700. Mukies 5-8588 or 869-5574 after 6pm.
- Milking goats currently producing milk, also goat kids. 659-5009.
- 1983 Ford Escort, 77k miles, 4-spd, needs work, \$400. Cheryl 5-6890 days or 589-6454 eves.
- 1981 Pontiac Leman's wagon, off road since 1985, 5,000 miles on new motor, very little rust, needs front fender, 2 tires, grill, hood, windshield, \$795. 533-4492.
- 1979 Dodge Omni, runs great, good tires and battery, thrifty on gas, needs some brake work, exc as a second car or runabout, \$450. Dan or Linda 607-594-2825.
- 1978 Oldsmobile Omega, running cond, good tires, engine and battery, cracked windshield, 6 cylinder automatic, good second car with a little work, \$325. Dan or Linda Reynolds 594-2825.
- Four wheel drive, 1977 Jeep CJ7 Hardtop, very good cond, 6 cyl, standard, five new tires, new battery, new heater, just serviced, low miles, great in mud or snow. Dan Reynolds 607-594-2825.
- 1976 Jeep Cherokee, full-time 4WD, auto, V-8, exc cond, \$2,800 firm. Priscilla 5-4824 days or 869-5414 after 6pm.
- 1971 Volvo 145, 143k runs well, decent body, \$600 firm. Steve 387-3952 leave message.
- Volvo wagons, both from the South, solid and in exc

## Spotlight

### Continued from page 1

and statistics, and her previous extension experience, helped Marcia secure the position she enjoys immensely.

Dedication, job enjoyment and a willingness to use talents not required in a job description--this, Cornell, is one of your employees!

Networking needs your support. If you know of anyone who should be in the Employee Spotlight, please send their name, phone number and a sentence or two explaining why they should be spotlighted to: Employee Spotlight, 134-A Plant Science Building.

Kathy O'Brien, Editor, Employee Spotlight, 255-5439

- cond, 1980 245, automatic, Sony stereo, air, extras, \$4,500; 1974 145, 4-spd, \$2,250. 273-6888.
- 55 gal. fish tank with walnut wood stand, including pump, filter, light, etc. exc cond. \$200 neg. 273-8130 leave message.
- Ladies 3-spd English bicycle, 25" wheels, good cond, wire baskets included, real leather seat, \$60. Barbara 5-2691 or 272-1508 (home).
- Queen-size mattress and box springs, exc cond, \$200; Upland No. 17 airtight woodstove, exc cond, \$175. Dan Reynolds 594-2825.
- Canon FTB 35mm SLR camera with 3 lenses, tripod, carrying case, plus extras, \$325. Rich 5-7933.
- Daisywriter letter quality printer, 5 years old, new \$1,000, for sale \$175, used on Macintosh but can be made compatible for IBM. 5-2173.
- IBM PS-2 Model 50 with 20 Mb hard drive, 5 1/4" external drive, PS-2 mouse, and other extras, purchased in 9-87, in exc cond, will consider any reasonable offer. Lorrene Lawrence, ext. 5-7200.
- Montgomery Ward 10-Hp tractor with 38" mowing deck, \$500; brand new 15" radial tire, \$20; bathroom vanity, \$20; magazine rack, \$5; sofa sleeper, \$20; oil burner for a boiler, \$20 and other misc. items. 539-7570.
- Oregon Fireview woodstove; Magnavox 19" color TV; 3 pr matching lined drapes; wooden end table with shelf; antique ice cream stools; make offer. Wanda 5-5221 or 272-7635.
- 10 x 14' Arrow storage building (the Hamlet), metal, 127 sq. ft. storage area, exterior dimensions: 120" wide, 162.5" deep, 72 1/4" high, 56" door width, 61" door height. Was used for only 5 months, currently in storage (all original pieces intact), asking \$200. M.J. 5-4706 or 387-3324.
- Garden Way cart, \$50; piano, \$200; dresser, \$75. 273-7515.
- Small woodstove, \$100; Kenmore sewing machine in cabinet, \$60. Becky 5-4254 days or 1-589-6724 eves.

## Wanted

- House to rent to visiting English family, late May to late June, prefer 4 bdrms, yard, piano, near campus. 5-7646 days or 277-3615 eves.
- Garden fence, 4 in. by 4 in. mesh or smaller, 40 in. or more height, 80-100 pt. length. Tom 277-5557 or 3-3471.
- Someone to drive truck to Indianapolis to deliver small to medium load of furniture to someone there. Your truck or we'll rent, will pay expenses plus. Anna 257-0541 eves or 5-8607 daytime.
- Leaders for 3-9 weeks, teen bicycle trips USA, Canada, Europe. Student Hosteling program, Box HC, Conway, MA 01341 413-369-4633.
- Car enthusiasts who want a fun time with the entire family, check out road rallying and autocross, a sport for the entire family. Weekdays 5-5439 (Kathy) or weeknights 272-0103.

## For Rent

- Furnished 4 bdrm house in beautiful country setting, 5 minutes from CU, 2 car garage, \$800 plus utils, May 15 or June 1 availability. 277-2228 eves and weekends.
- Female roommate wanted, Game Farm Rd, walk to campus, share kitchen and bath, \$200 month. 277-2352.
- One bdrm furnished apt for sublet one month only (July), \$200 - half of original rent, included utils, 10 min to CU. 5-7169 or 277-3348.
- Adirondack camp at Tupper Lake, 4 forested acres, 300' lakeshore with dock, 6 rooms, fully equipped, canoe, rowboat, near Saranac Lake-Lake Placid, \$500 week. 347-4282 for details and avail dates.
- Two family house each apt with two bdrms, living room, dining room, kitchen, bath, furnished or semifurnished, near downtown Cortland, 25 min. to CU, \$400 includes water, lrg rooms, real nice. 849-6965 eves.
- On Cayuga Lake, 2 bdrm year around, 45 min to campus, by week, month, season. 5-9736 or 315-252-3293 eves.
- Summer Camp on Lake George in the Adirondack Mountains, panoramic view, perfect swimming, sleeps 6-8, includes dock, \$850 per week, Aug 89 only. 518-798-1529. Security deposit and references.

## Trustee Report

### Continued from page 1

would like to make myself available to receive your written messages. I may be contacted through campus or electronic mail. Please send any information that you feel necessary to Dwight Widger, Nuclear Studies, Wilson Lab, Campus.

# Let the Committees Do the Work!

## By George Peter

Sooner or later, almost everyone will have the opportunity to chair a committee or some form of decision-making body.

And managing a large group of people can be a difficult job. "A camel is a horse designed by a committee," someone once said. However, committee work doesn't have to be this way.

The committee system works," was the best advice I gave in a recent speech to the Employee Assembly. But how does it work best? This happens when the committee chair gives the group a specific task and then leaves it alone to "do its thing." The committee chair should offer guidance and instruction, but not interference.

Communication is important to this philosophy. The parent body should re-

ceive regular reports from the committee and, in return, the committee should follow established policy.

Here are a few additional pointers from a Rotary International publication:

1. Inform committee members of the agenda in advance of a meeting.
2. Personally contact those members who are to report to the meeting.
3. Keep meetings short and to the point.
4. Avoid unnecessary paperwork.
5. Give each individual a chance to voice his or her opinion.
6. Keep track of assignments and follow-up on them.
7. Promptly replace retired committee members.
8. Encourage members and congratulate them on completion of tasks.

## Gourmet Corner

This superb recipe is one of the best kept secrets of the Summa family; it took a great deal of friendly persuasion to get it for Gourmet Corner. Dr. Anne Swabey, intern in the Small Animal Clinic of the Veterinary Medical Teaching Hospital, baked this delectable delight for her colleagues and friends; not even a crumb was left. Giving credit to her mother, Anne finally agreed to share "Summa's Surprise" with our readers.... Thanks Anne and Mom!

Summa's Surprise (Ema's Suhkur Kook)

- 1 cup butter Beat until light & fluffy
- 1 1-2 cups sugar
- 4 eggs Beat in
- 2 cups flour -Sift and reserve
- 2 tsp. baking powder
- 1-2 cup table cream -Mix and beat into egg



1 tsp. vanilla mixture alternately with flour  
 Pour 1-2 mixture into greased pan.  
 Mix unsweetened cocoa into remaining 1-2 (if desired) and swirl (gently fold) into vanilla batter. Note: Lemon or almond flavoring (1 tsp.) can be added to batter instead of chocolate.

When cool, sprinkle with icing sugar OR chocolate shavings.

Bake 375 degrees, 45-60 minutes - Do not overbake!

Should be golden brown and moist but a toothpick inserted should come our clean.

If you have a recipe you would like to share, please send it to Gourmet Corner, G-204 VMTH, Vet College.

# Congratulations to the Newly Elected 1989-90 Employee Assembly Members

- Endowed Exempt Representative Vickie Goss
- Commencement Coordinator B-25 Day Hall, 255-8541
- Endowed Nonexempt Representative Joan Heffernan
- Secretary, Theoretical & Applied Mechanics 212 Kimball Hall, 255-0988
- Endowed Nonexempt Representative William Herman
- Bus Driver, CU Transit
- Bus Garage, 255-3782
- Statutory Exempt Representative Leslie Smith-Darling
- Director, Computer Literacy, Human Ecology G85 MVR, 255-8149
- Statutory Exempt Representative Mick Ellis
- Director, RPU, Unions & Activities 218-Robert Purcell Union, 255-6220
- Statutory Nonexempt Representative Angela Evans
- Secretary, Agronomy 620 Bradford Hall, 255-5404
- Statutory Nonexempt Representative Charles Harrington
- Custodian, Buildings Care East Hill Plaza, 255-5174
- Statutory Nonexempt Representative Janice Swansbrough
- Supervisor, Public Affairs Records Sage House, 255-4036
- Alberta Callihan
- Faculty Secretary, Law 280m Myron Taylor Hall, 255-5880
- Geneva At-Large Representative Susana Dwyer

Administrative Aide, Geneva Box 15, Roberts Hall, 787-2244

- Voter Turnout - 23%
- (According to the Employee Assembly charter, any category which is vacant following the general election is filled by the candidate receiving the next highest number of votes in that job category.)
- Continuing Members
- Endowed Exempt Representative Cleo Bash
- Director, WSH, Unions & Activities 401 WSH, 255-4311
- Endowed At-Large Representative William Genter
- Research Support Specialist, NAIC 124 Maple Avenue, 255-5274
- Endowed Nonexempt Representative Donna Vose
- Administrative Aide, Hotel 435 Statler Hall, 255-5263
- Statutory At-Large Representative

## Referenda Results

- 1989 Spring Employee Assembly Elections
- 1. Are you familiar with CUINFO? 69% YES 24% NO
- 2. Do you have easy access to CUINFO? 51% YES 38% NO
- 3. Have you ever accessed CUINFO? 46% YES 45% NO
- 4. Would you use CUINFO if a terminal were available to you? 67% YES 12% NO
- 5. Do you feel it would benefit employees to add additional terminals? 68% YES 13% NO

# Cornell Recreation Club

## SPRING FLEA MARKET and AUCTION



MAY 13, 1989

at

CORNELL'S LYNNAH RINK 9 am UNTIL 5:00 pm

Your donations of usable items will be sold to benefit CRC. Clothing donations will NOT be accepted. Consignments welcome.

Everyone, including dealers are welcome.

Rent your space early by calling Janet at 255-7565.

## FESTIVITIES TO INCLUDE



FLEA MARKET



BAKE SALE  
 FOOD CONCESSION



AUCTION  
 1:00 pm

Important: Please do not call any person or telephone number regarding placing a Networking ad. If your ad was not placed, reread instructions here and resubmit your ad to Networking Unclassifieds, Humphreys Service Building by next deadline - 14 days before each issue. ADS ARE PLACED ON A FIRST-COME, FIRST-SERVED BASIS AS SPACE ALLOWS. Since ads are placed free of charge and Networking is coordinated by volunteers, rudeness will not be tolerated! No phone calls will be taken regarding ads!

# CORNELL EMPLOYMENT NEWS

Including Job Opportunities

April 6, 1989

Volume 1, Number 13

## Sexism at Cornell: A Conversation with Anne Rhodes

Anne Rhodes has been working with the Human Relations Training Program for a number of years, both as a trainer and member of its Board of Directors. She is currently a member of the Human Relations Advisory Board and works as a consultant to the Office of Human Relations. She is also the cofounder and performing artist with Mischief Mime, a local theater group. The following text comes from a recent conversation with her about her work on sexism at Cornell.

In this society and in most others, women are the targets of sexism, even though men may feel limited or hurt by the expectations and constraints that gender roles have placed on them. Women as a group have limited access to information (i.e., education) and resources (i.e., jobs, money) compared to men. This does not mean that women are less powerful or less capable than men. It does mean that women are generally socialized differently from men and that women have societal barriers placed before them that men do not.

**Women are generally socialized differently from men and have societal barriers placed before them that men do not.**

To understand how sexism operates in our work environments and in our personal relationships, it is important to realize that men and women are granted different degrees of power and privilege in this society. By understanding how sexism works, all of us - men and women - can take steps toward eradicating it.

**Men and women are granted different degrees of power and privilege in this society.**

The difficulties staff and faculty women deal with at Cornell can range from blatant sexual harassment to subtle, pervasive attitudes. On some levels, the very blatant behavior is easier to confront because it is easier to point out. Once the offensive behavior is identified, there are clear guidelines for dealing with it in university policy.

**Attitudes in the work place are often related to assumptions about the competency of women.**

It is often the subtle behaviors and attitudes that go unchallenged but continue to hurt women deeply. These are the kinds of issues that eat away at women but never get them to the point of blowing up. Women who bring them up anyway are often made to feel stupid, picky or oversensitive.

This dynamic is like a chronic disease that comes on slowly. Sometimes so slowly that women are not even aware that

this "disease" is at the root of their discomfort, fear, or dread of coming in to work everyday.

**Double-standards are related to attitudes about women.**

The subtle behaviors do not always come from ill-will, meanness, or hatred of women on the part of men. They come from not having information on the impact of behaviors on women. These behaviors can be jokes about women, lack of eye contact or staring, "friendly" touching, interrupting, and the use of words like "honey," "babe," "girl."

**The work place should be an environment where people like to be, where people feel nurtured, supported and appreciated.**

Attitudes in the work place are often related to assumptions about the competency of women—assuming that women lack professionalism, dedication to their own success, and the ability to do their job well. Sometimes these assumptions seem valid to men when women's behaviors do not fit men's "norms" or men's visions of how people should behave in the work setting. For example, women who value being able to express their emotions in the work place may get labeled "unstable" or "too emotional" even if they do their job well.

Double-standards are related to attitudes about women. A man and a woman doing the same thing may get labeled differently. For example, a man may get labeled as "aggressive" while a woman may get labeled "pushy"; a man may be called "short-tempered" while a woman may be called a "bitch."

**Sexism is a reality in our society. Working on sexism is not about blaming people and attacking people. It is recognizing the problem and our involvement in it.**

Not all men exhibit sexist behaviors and attitudes at all times to all women, but sexist conditioning is something that all men and women have received in this culture. Whether we conform or rebel, it remains the background against which we all act, both consciously and unconsciously. Both women and men need to examine their attitudes and behaviors and how they affect both women and men. Through this examination, we can make choices about behaviors that are respectful and not hurtful.

A major problem in dealing with sexism is that the topic rarely gets talked about, especially between men and women.

*Continued on page 4*

## University Policies and Procedures Allow Flexibility for Handling Parenting Concerns



University policies and procedures have been established which may provide flexibility for you as a parent for handling your job responsibilities and your parenting concerns.

This article will review "leave with pay policies" such as health care leave, personal time and vacation in addition to "extended leave without pay policies" such as department and university leaves. The next issue of *Cornell Employment News* will cover alternative work scheduling practices such as flextime, job sharing and reduced hours.

Leave policies are described in detail in both the Personnel Manual and the employee handbook "You and Cornell" under the "Time Away from Work" section. Personnel Manuals are available for your use in all departments, at reference desks of all university libraries, at the Information and Referral Desk in the Day Hall Lobby and at the Office of Human Resources, 130 Day Hall.

### Leaves with Pay

#### Health Care Leave

Health care leave is used when an employee's full attention is required to care for an ill member of the immediate family, a

*Continued on page 4*

## Reminder: OHR Welcomes Your Comments

Next time you stop by the Office of Human Resources, we invite you to complete one of the cards available to note your comments or suggestions about the service you've received. You may return the cards via campus or US Mail - no postage required - and you may remain anonymous or request a reply from the director. We welcome your comments.

## No Smoking Signs Available Next Month



A sign task force of the Campus Safety Group has recently completed work to develop a series of signs for: "No Smoking," "Smoking," "No Pets" and "No Bicycles." These special signs will be available through General Stores in about a month. A notice regarding the work of this committee was recently distributed to all building coordinators across the campus. If you have any questions, please contact Jane Vanderzee, Facilities Engineering, Humphrey Service Building, at extension 5-6019.

## April 12 Brown Bag Lunch: Work and Family Issues

On April 12 at 12:15 p.m. in Statler Hall, Room 445, the Employee-Elected Trustee and the Employee Assembly will sponsor a brown bag lunch to assist the Task Force on Working Families in getting input from employees on work and family issues.

During the past year the Task Force for Working Families has been studying work and family life issues and is preparing to submit proposals to the administration on how Cornell can assist working families. They would like to hear from employees about what is working now and what else can be done to help employees balance work and family life.

If you have suggestions but cannot come on April 12, send your comments to Carolyn McPherson, Office of Equal Opportunity, 234 Day Hall.

## Deadlines for CCTS Applicants; Information Meeting Scheduled

Employees who are now receiving the Cornell Children's Tuition Scholarship (CCTS) will automatically receive an application for the new academic year 1989-90. All other employees who need to apply for CCTS should request an application for the Office of Human Resources (OHR), 107 Day Hall, or call Adele Feisterstein at 5-7509.

The deadlines for submission of applications are:

- Summer Session - May 1, 1989
- Academic Year 1989-90 - June 1, 1989
- Fall Term Only - June 1, 1989
- Winter-Spring Term Only - December 1, 1989

To assist you in the process of applying for the CCTS benefit, the Training and Development section of OHR will sponsor an information session on Monday, April 10, 1989, from 3:00pm to 4:30pm in Kaufman Auditorium, Goldwin Smith Hall. This session will provide relevant information about the program as well as an opportunity for questions and answers.

# JOB OPPORTUNITIES

April 6, 1989

Volume 1, Number 13

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

Employees may apply for any posted position with an Employee Transfer Application. A resume and cover letter, specifying the job title, department and job number, is recommended. Career counseling interviews are available by appointment.

Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Candidates should submit a completed and signed employment application which will remain active 4 months. Interviews are conducted by appointment only.

Staffing Services will acknowledge receipt of all material by mail. Hiring supervisors will contact those individuals selected for interview by phone; please include two or more numbers if possible. When the position is filled, candidates should receive notification from the hiring supervisor.

Cornell University is an Affirmative Action/Equal Opportunity Employer.  
Job Opportunities can be found on CUINFO

## Professional

Nonacademic professional positions encompass a wide variety of fields including management, research support, computing, development, finance and accounting, dining services and health care.

Submit a resume and cover letter for each position, specifying the job title, department and job number.

### Associate Director, Cornell Fund (PA5803) HRIII University Development-Endowed

Work with the Director of the Cornell Fund in the planning and implementation of the University's annual campaign for alumni support. Responsible for the ongoing aspects of the administration of the Cornell Fund. Direct and manage a staff of professionals and support staff. Supervise and coordinate support necessary to implement major volunteer fund raising programs including but not limited to: Tower Club or other special donor programs; reunion campaigns; direct mail marketing. Develop "strategies" for annual fund raising programs and direct specific solicitation plans. Administer various operational aspects of the Cornell Fund.

**Requirements:** Bachelor's. 3-5 years successful fund raising experience in alumni campaigning. Solid management and organizational skills. Ability to motivate people and work creatively with volunteers. Send cover letter and resume to Cynthia Smithbower by April 21.

### Systems Programmer/Analyst II (PT6004) Level 33

**Cornell Information Technologies/Systems-Endowed** Design, implement, install, document and maintain systems software or significant subsystems in IBM VM systems, primarily VM/XA.

**Requirements:** Bachelor's or equivalent with related computer courses. 2-3 years experience with VM operating systems and significant subsystems. Knowledge of hardware concepts as they relate to software issues. Knowledge of IBM/370 assembler language is essential. Please send cover letter and resume to Bill Webster.

### Associate Bursar (PA6204) HRIII Bursar-Endowed

Administer and manage the university's student loan program, student accounts receivable programs, delinquent accounts collection program, and other supporting programs.

**Requirements:** Bachelor's in business administration required, advanced degree preferred. Minimum 3-5 years related experience. Some supervisory experience required. Send cover letter and resume to Cynthia Smithbower by May 5.

### Director of Public Affairs (PA6201) HRIII Public Affairs-Libraries-Endowed

Develop and implement fund-raising and alumni related programs for the University Library in support of the Library's educational and research mission. Supervise 1 professional and 1 clerical staff person.

**Requirements:** Bachelor's degree. Position reports to the University Librarian and the Director of College/Unit Public Affairs. 3-5 years development or development related experience. Experience in individual giving at the capital gift level preferred. Send cover letter and resume to Search Committee: Dir., Public Affairs by May 15.

### Research Support Specialist II (PT6205) HRI Lab of Nuclear Studies-Endowed

Provide technical support to particle accelerator facility. Responsible for systems design, development, installation, and operation.

**Requirements:** Bachelor's in physics or engineering or equivalent. Strong organizational skills; capable of working with limited general supervision. Send cover letter and resume to Bill Webster by April 21.

### Applications Programmer/Analyst I (PT6201) HRI NYSCVM, Veterinary Computing Services-Statutory

Responsible for a number of interactive on-line database applications; maintain, identify hardware and software problems; modify programs; provide user support; design, implement, document and test applications programs written in the MUMPS language.

**Requirements:** Bachelor's or equivalent. 1-2 years in systems analysis, designs and programming in a high level language. Experience in data base design preferred. Send cover letter and resume to Bill Webster by April 14.

### Technical Writer II (PC6215) HRI Information Technologies-Endowed

Plan and produce a comprehensive set of publications describing CIT offerings in these areas in conjunction with Directors, Assistant Directors, and staff in CIT Network Resources and Computer Resources divisions.

**Requirements:** Bachelor's or equivalent with 2-3 years experience in technical writing. Very strong written and verbal communications skills. Excellent teaching, interpersonal and problem solving skills. Knowledge in the following technical areas: UNIX, VM/CMS, use of computer networks. Experience in the use of computer-based publishing systems, especially Microsoft Word, and Page-Maker for the Macintosh. Send cover letter, resume and writing sample to Esther Smith.

### Assistant Director (PA6202) HRI Human Ecology Admissions-Statutory

Plan and provide leadership for minority recruitment program; participate in all aspects of freshman and transfer admissions and selection; assist with publication development, develop and maintain network of alumni and student volunteers; assist with general administrative work of admissions office.

**Requirements:** Master's in education, counseling, human ecology or related field helpful. Bachelor's required. Minimum 2-3 years related experience preferably in New York State public and private schools as well as some work in selective college admissions environment. Must be effective public speaker and writer. Send cover letter and resume to Brenda Bricker, Dir. of Admissions, c/o Staffing Services, 160 Day Hall.

### Administrative Manager I (PA6205) HRI Section of Plant Biology-Statutory

Assist the Chair in the management and operation of the Section in all fiscal and non-academic matters; approve all expenditures (state and endowed); supervise and coordinate work of unit offices; delegate responsibilities to state and endowed support personnel; prepare state and endowed budget requests; compile and submit administrative reports, appointments and resignations; review and manage all operations funds and monitor research funds; assist with grant proposals; supervise ongoing & proposed renovations & maintenance of existing physical building space.

**Requirements:** Bachelor's in business or equivalent experience. Minimum 2-3 years related office management experience. Strong communications skills; supervisory experience; knowledge of university business, personnel, sponsored programs, accounting systems desirable; computer PC experience including familiarity with Wordperfect, dBase and Lotus software highly desirable. Send cover letter and resume to Cynthia Smithbower by April 21.

### Graphics Designer (PA6207) HRI Theory Center-Endowed

Under the general supervision of the Manager of Information Services, prepare a variety of communications media, including slides, exhibits, publications, and announcements; conceptualize, design, and coordinate production.

**Requirements:** Bachelor's in communications, visual arts, graphic design or related field. Some experience in graphics design; Macintosh software and desktop publishing experience required; excellent organizational, interpersonal and communication skills; demonstrated creative talents. Send cover letter and resume to Cynthia Smithbower by April 21.

### Assistant Director, Conference Services (PA6206) HRI Conference Services-Endowed

Provide administrative assistance to Director. Supervise the comprehensive planning and implementing process for all registered conferences, workshops and special programs held on campus. Conferences range in size from 10-25 persons. Meet with faculty, deans, directors, alumni, corporate executives to determine goals and objectives of the individual programs and how Cornell can best meet their needs.

**Requirements:** Bachelor's in hotel administration. Minimum 2-3 years related experience. Marketing, public relations, contract negotiating, organizational skills and attention to detail a must. Knowledge of Cornell accounting, IBM PC's helpful. Please note: due to heavy summer conference scheduling, vacation time cannot be taken in the summer. Send cover letter and resume to Cynthia Smithbower by April 13.

### Research Programmer (PT5719) HRI Agricultural and Biological Engineering-Statutory

Research Support Specialist to assist with research and extension projects of the Cornell Local Roads Program. Administer microcomputer systems, develop applications programs, write data acquisition programs and train staff. Manage and prepare reports form databases; analyze data using spread sheets and statistical packages.

**Requirements:** Bachelor's degree in computer science or related field required. 3-4 years of programming experience in FORTRAN, dBASE III, C, or PASCAL. Substantial experience with IBM desktop computers and experience in database management preferred. Please send cover letter and resume to Bill Webster.

### Assistant Director, Systems (PT5117) HRI Undergraduate Admissions-Endowed

Administer mainframe system and batch production; support and develop PC network interfaced with the mainframe; train and consult.

**Requirements:** Bachelor's or equivalent. 2-3 years related computer systems experience. Strong written and oral communication skills required; some programming familiarity (SAS, micro, or mainframe) preferred. Experience in teaching and training beneficial. Send cover letter and resume to Bill Webster.

### Staff Writer II (PC5705) HRI University Development-Endowed

Persuasive, skillful, creative writer to join Development Communications staff. Responsible for articles, letters, proposals, brochures designed to increase support for Cornell. Primarily original writing; some ghost-writing and editing.

**Requirements:** Bachelor's. Minimum 3 years related experience in fund raising, marketing, p.r. or higher education helpful. Send cover letter, resume and 3 writing samples to Gil Ott, 726 University Avenue.

## Technical

As a prominent research institution, Cornell University has a diverse need for laboratory, electro/mechanical and computer support. Individuals with backgrounds in computer science, biology, microbiology, chemistry, animal husbandry, plant science and medical laboratory techniques are encouraged to apply.

Submit a resume and cover letter for each position, specifying the job title, department and job number. Skills assessment check lists, available at the Day Hall office, are a valuable aid when applying for computer or laboratory related positions.

### Technician, GR18 (T6105) Entomology-Statutory

**Minimum Biweekly Salary: \$487.50**  
Provide research support in studies of insect resistance to *Bacillus thuringiensis* endotoxin. Assist in maintenance and genetic crosses of strains of *Drosophila*, *Heliothis*, *Plodia* and other insects. 1 year.

**Requirements:** Bachelor's or advanced undergraduate training in biology, entomology, or related discipline required. Minimum 1 year related experience with insect rearing, pesticide bioassays, microbial pesticides and experimental design and procedures desired. Valid NYS driver's license required. Send cover letter and resume to Bill Webster by April 14.

### Technician, GR19 (T6203) Natural Resources-Statutory

**Minimum Biweekly Salary: \$510.90**  
Collect field data on vegetation and detritus, water samples, and routine analysis of pH. Process and store water, soil, and plant tissue samples and assist in chemical analysis of plant tissue samples. Assist in storage and summarization of field data.

**Requirements:** Bachelor's in natural resources, any biological science or related field. 1-2 years experience in field studies of ecology and natural resources. Send cover letter and resume to Bill Webster.

### Technician, GR19 (T5310) Psychology-Endowed

**Minimum Biweekly Salary: \$510.90**  
Prepare electrophysiology experiments; perform small animal surgery, drafting, photography. Prepare statistics and other information for paper presentation. Maintain laboratory. Until 6/30/90. Schedule includes some nights and weekends.

**Requirements:** Bachelor's or equivalent in biopsychology, biology or related field. Minimum 2 years experience in one or more of the following: histology, electrophysiology, photography, figure drafting and statistical analysis. Send cover letter and resume to Bill Webster.

### Computer Operator, GR21 (T6202) Information Technologies-Endowed

**Minimum Biweekly Salary: \$557.70**  
Operate large scale computer systems and associated peripheral equipment; monitor data communications networks; consult with vendor customer engineers and department support staff. Probable shift work including wknds.

**Requirements:** Associate's or equivalent in large data processing facilities. Computer operating experience, minimum 3 years related data communications experience helpful. Knowledge of computer hardware, software, operating systems, and programming languages (i.e., Basic, Fortran, PL-1, etc.). Send cover letter and resume to Bill Webster by April 14.

### Technician, GR21 (T4707) Veterinary Medical Teaching Hospital-Statutory

**Minimum Biweekly Salary: \$557.70**  
Perform diagnostic tests in hematology, cytology, coprology, urinalysis, chemistry and immunology. Operate and maintain equipment. Participate in "on-call" for off-hours and holidays. Use computer for specimen accession, data entry and information retrieval. Tuesday-Saturday.

**Requirements:** Associate's in Medical Technology required. Bachelor's ASCP certificate preferred. 3 years related laboratory experience. Send cover letter and resume to Bill Webster.

### Technician, GR21 (T5612) Nutritional Sciences-Statutory

**Minimum Biweekly Salary: \$557.70**  
Perform procedures involving molecular biology; mRNA, DNA, DNA sequencing and use of computer to enter sequences. Protein purification. Use of chromatography columns and gel electrophoresis system. Perform experiments with cells in culture with isotopes.

**Requirements:** Bachelor's in biochemistry or genetics or molecular biology. Minimum 3 years related lab experience. Biochemical analysis, DNA techniques. Send cover letter and resume to Bill Webster.

### Technician, GR22 (T6106) Biochemistry, Molecular and Cell Biology-Statutory

**Minimum Biweekly Salary: \$581.09**  
Conduct independent research studying the splicing of an intron found in the rDNA of *Physarum*. Design and execute experiments with minimal guidance. Maintain laboratory, order supplies, perform record and bookkeeping, and survey radioisotopes.

**Requirements:** Bachelor's in chemistry, biochemistry, or related field required. 3-4 years experience, including 1-2 years working with molecular biological tools required. Experience working with RNA and a practical knowledge of modern acid biochemistry (recombinant DNA technology including in vitro mutagenesis, DNA sequencing, southern and northern hybridizations, etc.) required. Send cover letter and resume to Bill Webster by April 14.

### Technician, GR23 (T6206) Biochemistry, Molecular and Cell Biology-Endowed

**Minimum Biweekly Salary: \$604.49**  
Participate in studies on the biochemistry of cancer; perform assays of protein kinases and their effect on function (e.g. Transcription).

**Requirements:** Bachelor's or equivalent. 5 years relevant experience. Experience in general laboratory methods. Send cover letter and resume to Bill Webster by April 21.

## Technical Off-campus

### Technician, GR23 (T6104) Horticultural Sciences-Statutory; Hudson Valley Lab., Highland, NY

**Minimum Biweekly Salary: \$604.49**  
Assist Professor of Pomology in research on physiology of fruit plants. Responsibilities include routine care of experimental plantings, application of experimental treatments, collection of response data, chemical analyses of plant tissue, and summarization of data. Until 9/30/90.

**Requirements:** Bachelor's in biological sciences required. Minimum 3-5 years related experience. Fruit farm or research experience desirable. Call C.G. Forshey at (914) 691-7231.

## Technical Temporary

### Casual Technician/Lab Assistant (T6101) Clinical Sciences-Statutory

Provide technical completion of biochemical assays used as clinical diagnostic tests in veterinary patients. Catalogue samples and report test results (computer data entry); assist in projects which may include handling of dogs and cats. Flexible schedule, 12-15 hours per week.

**Requirements:** College level coursework in biochemistry and/or quantitative analysis preferred. Understanding of basic laboratory techniques including quantitative pipetting, centrifugation, reagent preparation and operation of a spectrophotometer desired. Pre-employment physical required. Call Bill Webster at 607-255-5226.

### Technician (T6102) Ornithology-Endowed

**Minimum hourly rate: \$7.00**  
Using Ampex/Studer recorders, make copies of bird song recordings for inclusion in the Library of Natural Sounds collection. Full-time, 6 month position.

**Requirements:** Experience with analog audio studio tape recorder operation desired. Experience with bird sounds and sensitive hearing preferred. Call Bill Webster at 607-255-5226.

### Service Technician (T6006) Plant Pathology-Statutory

Assist in maintaining insect and fungal cultures for biological control experiments in both laboratory and field. Perform basic lab duties and media preparation; maintain clean lab; perform computer data entry. Full-time until October 1.

**Requirements:** High School diploma or equivalent plus coursework in biology preferred. Familiarity with sterile techniques and maintaining and handling insects. Ability to work with minimal supervision. Apply to Bill Webster.

## Office Professionals

Approximately half of all University openings are for Office Professionals. Individuals with secretarial, word processing (IBM PC, Macintosh, Wang, Micom), data entry, technical typing, or medium to heavy typing (45-60+ wpm) are encouraged to apply.

Submit a signed employment application and resume. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our East Hill Plaza office.

### Cashier, GR15 (C6214) Statler Hotel-Endowed

**Minimum Biweekly Salary: \$429.01**  
Performs cashiering duties in all food and beverage outlets. Accurately record the sales and settle the checks for all outlets. Some nights and weekends.

**Requirements:** High School diploma or equivalent education and work experience. Ability to read and write; good basic math skills. Cashier experience in high volume setting required.

### Records Assistant, GR16 (C6207) Acquisitions-CUL

**Minimum Biweekly Salary: \$448.50**  
Assist with the operation of the Book-in-Hand Processing Section of the department including typing, filing, word processing, inputting and updating the NOTIS databases. Must be willing to work evening hours.

**Requirements:** High School diploma or equivalent. Good organizational skills. Ability to work independently. Familiarity with on-line computer terminals desirable. Medium typing.

### Data Entry Operator, GR17 (C6208, C6209) Acquisitions-CUL

**Minimum Biweekly Salary: \$467.98**  
Enter book and order records into the NOTIS system. Must be willing to work evening hours as required by supervisor.

**Requirements:** High School diploma or equivalent. Familiarity with computer terminals and attention to detail and accuracy. Organizational skills. Heavy typing.

### Secretary, GR18 (C6218) Law-Endowed

**Minimum Biweekly Salary: \$487.50**  
Provide secretarial support to faculty. Wordprocessing of manuscripts, briefs, correspondence, class materials; coordinate travel arrangements; prepare travel and reimbursement vouchers; research references and citations in

Law Library; copy, file, answer phone.

**Requirements:** High School diploma or equivalent. Business or secretarial school preferred. Minimum 1 year related office experience and familiarity with IBM-PC, Wordperfect desirable. Able to coordinate and prioritize variety of tasks necessary. Excellent organizational, interpersonal and communication skills. Heavy typing.

**Senior Circulation/Reserve Assistant, GR18 (C6107)**  
**Physical Sciences Library-Endowed**  
**Minimum Biweekly Salary: \$487.50**

Maintain circulation desk including hiring, training & scheduling student assistants, maintaining copy service; over-seeing library on wknds; sending overdue bills and recalls.  
**Requirements:** High School diploma required. Associate's or equivalent preferred. Strong communication (written and verbal), organizational and interpersonal skills. Library experience highly desirable. Light typing.

**Secretary, GR18 (C6105)**

**Public Safety-Endowed**

**Minimum Biweekly Salary: \$487.50**

Type; keep records; act as receptionist; answer telephones; schedule appointments; copy documents; search files; retrieve documents; maintain files; operate IBM computer and printer.

**Requirements:** High School diploma; secretarial course work desirable. Minimum 1 year related office experience. Ability to maintain confidentiality. Good communication skills. Ability to work in a fast paced environment. Familiarity with Displaywrite 36 desirable. Ability to work with a diverse public & often stressful situations. Medium typing.

**Secretary, GR18 (C6104)**

**Theory Center-Endowed**

**Minimum Biweekly Salary: \$487.50**

Provide secretarial support to the Supercomputing Technologies (ST) group of the CNSF. Act as receptionist for the Cornell National Supercomputer Facility (CNSF).

**Requirements:** High School diploma or equivalent, secretarial school preferred. Minimum 1-2 years related office experience. Word processing experience required. Familiarity with computers helpful. Strong interpersonal and communication skills. Medium typing.

**Conference Assistant, GR18 (C6103)**

**Theory Center-Endowed**

**Minimum Biweekly Salary: \$487.50**

Under general supervision of the Conference Coordinator, assist in the organization of Theory Center conference and workshops.

**Requirements:** High School diploma or equivalent. Minimum 1-2 years office experience, with conference/workshop planning desirable. Knowledge of office equipment and Macintosh software preferred. Strong interpersonal, organizational, and communication skills. Ability to work independently and coordinate many details. Med. typing.

**Secretary, GR19 (C6213)**

**Floriculture and Ornamental Horticulture-Statutory**

**Minimum Biweekly Salary: \$510.90**

Serve as Graduate Field Secretary and Department Extension Secretary. Provide word processing support and data management for six faculty and their support staff; liaison with Graduate School and Cooperative Extension staff in New York State.

**Requirements:** High School diploma or equivalent. Associate's or equivalent strongly desired. Minimum 2 years of secretarial or administrative experience. Knowledge of IBM PC, and VMS essential. Wordperfect and Dbase III desirable. Excellent organizational, interpersonal and communication (written and oral) skills essential. Medium typing.

**Administrative Aide, GR19 (C6109)**

**School of Hotel Administration-Endowed**

**Minimum Biweekly Salary: \$510.90**

Working independently, under the general supervision of the Director of Career Planning and Placement, provide administrative and secretarial support to the Director of Career Planning and Placement Office. Responsible for overall production of the biweekly Hospitality Career Mart; assist students in securing summer jobs; assist in recruiting process; serve as circulation manager for the new "Cornell Hospitality News" publication.

**Requirements:** High School diploma or equivalent. Associate's degree preferred or equivalent with experience. Minimum of 2-3 years office experience and an understanding of the hospitality industry very helpful. Strong organizational and interpersonal skill, communication (oral and written) skills. Word processing skills. Frequent interruptions. Heavy typing.

**Administrative Aide, GR19 (C6106)**

**University Development-Endowed**

**Minimum Biweekly Salary: \$510.90**

Provide administrative assistance to Director of Special Gifts. Type correspondence; make travel arrangements and appointments; answer phones; file; perform research.  
**Requirements:** High School diploma. Associate's or equivalent. Minimum 2 year related experience. Excellent secretarial, organizational and interpersonal skills. Experience with computers. Able to be flexible, set priorities, work independently in a complex, active environment. Medium typing.

**Secretary, GR19 (C6212)**

**Floriculture and Ornamental Horticulture-Statutory**

**Minimum Biweekly Salary: \$510.90**

Serve as department undergraduate instruction secretary and Urban Horticulture Institute secretary. Provide word processing support for six faculty and their support staff.

**Requirements:** High School diploma or equivalent. Associate's or equivalent strongly desired. Minimum 2 years secretarial or administrative experience. Knowledge of IBM PC desirable. Excellent organizational, interpersonal, and communication (written and oral) skills necessary. Medium typing.

**Accounts Assistant, GR19 (C6210)**

**HDFS/Family Life Development Center-Statutory**

**Minimum Biweekly Salary: \$510.90**

Maintain accounting system for the center. Responsibilities include 10-20 active college, state and restricted fund accounts representing a \$2M budget. Until 3/31/90.

**Requirements:** High School diploma. Associate's in accounting or equivalent preferred. Minimum 2 years office experience. Experience with Statutory Accounting System preferred. Familiar with Macintosh. Medium typing.

**Secretary, GR20 (C6217)**

**Dining-Endowed**

**Minimum Biweekly Salary: \$534.30**

Perform all secretarial duties for the central office of the Department of Dining Services. Handle communications, correspondence and calendars. Other duties as assigned.

**Requirements:** Associate's or equivalent. Minimum 3 years related clerical experience. Grammar, spelling and editing abilities must be excellent. High level of accuracy and efficiency required. Competence in word processing preferred. IBM/Macintosh PC experience helpful. Ability to complete multiple assignments simultaneously and work effectively in a high pressure environment.

**Administrative Aide, GR20 (C6112)**

**Psychology-Endowed**

**Minimum Biweekly Salary: \$534.30**

Provide secretarial/administrative support for Cognitive Studies Program (half-time) and secretarial support for Psychology Department (half-time); coordinate speakers series and workshops; manage program accounts for both departments; maintain central files and serve as graduate field secretary for Cognitive Studies. Funding for full-time through June 30, 1990. If funding is not renewed, position reverts to 25 hours per week.

**Requirements:** Associates degree or equivalent combination of education and experience. Minimum 2-3 years office experience. Word processing and computer experience preferred. Excellent organizational, communications and interpersonal skills. Ability to prioritize assignments and work under pressure. Knowledge of Cornell desirable. Medium typing.

**Administrative Aide, GR20 (C6102)**

**Theory Center-Endowed**

**Minimum Biweekly Salary: \$534.30**

Under general supervision, provide administrative and secretarial support to the Deputy Director for Supercomputing Technologies (ST) and his staff. Requires a high degree of confidentiality, and a general understanding of the various technical aspects of the supercomputer facility.  
**Requirements:** High School diploma or equivalent. Associate's or equivalent preferred. Minimum 2 years related administrative secretarial experience. Experience with word processing and computers. Strong interpersonal, organizational, and communication skills. Demonstrated ability to take initiative and handle many ongoing activities. Requires independent judgment and decision making. Medium typing.

**Administrative Aide, GR20 (C2708)**

**Hotel Administration-Endowed**

**Minimum Biweekly Salary: \$534.30**

Provide administrative/clerical data support for Alumni Affairs director. Maintain all office functions, internal and external communications during director's absence.

**Requirements:** Associate's or equivalent. Familiar with data/word processing system. Work well under pressure; possess excellent editing/composition/bookkeeping skills. Excellent organizational, interpersonal, and communication (written/oral) skills. Heavy typing.

**Administrative Aide, GR21 (C6206)**

**Statler Hotel-Endowed**

**Minimum Biweekly Salary: \$557.70**

Under the supervision of the Front Office Manager, coordinate and participate in front desk, concierge and bellstaff activities; prepare work schedules and assist in selection and training of front office staff. Some nights & weekends.

**Requirements:** Associate's in hotel/business management or equivalent preferred. Minimum 2-3 years related experience. Excellent interpersonal and communication skills. Proven supervisory experience and knowledge of hotel computers required.

## Office Professionals Off-Campus

**Office Assistant, GR16 (C6211)**

**Human Development & Family Studies, Loudonville, NY-Statutory**

**Minimum Biweekly Salary: \$448.50**

Provide data entry for the Migrant Student Record Transfer System as well as general secretarial support for other functions of the Albany office of the Cornell Migrant Program.

**Requirements:** High School diploma with coursework in secretarial subjects; secretarial school preferred. Secretarial experience with skills in the use of an IBM-compatible PC preferred. Good reading and writing skills. Medium typing.

**Secretary, GR20 (C6203)**

**Public Affairs Regional Offices, Miami FL-Endowed**

Type correspondence, forms, vouchers and other records, provide file maintenance and receptionist duties; handle meeting and travel arrangements for Director of Southeast Regional Office; interaction by phone and in person with alumni. Special projects as needed.

**Requirements:** Associate's or equivalent. Secretarial training desired. Minimum 3 years secretarial experience. Excellent organizational, interpersonal and communication skills. Ability to work independently and use IBM XT or equivalent.

## Office Professionals Part-Time

**Office Assistant, GR18 (C4525)**

**Nuclear Studies-Endowed**

**Minimum Biweekly Salary: \$487.50**

Assist in maintaining accounting records; provide secretarial assistance to staff and faculty; provide general office assistance. Monday-Friday, 9 a.m.-2 p.m.

**Requirements:** High School diploma or equivalent. Minimum 1 year secretarial/accounting experience including word processing. Technical typing experience preferred. Medium typing.

**Editorial Proofreader, GR19 (C6202)**

**University Press-Endowed**

**Minimum full-time equivalent: \$510.90**

Assist five editors in Editing Department; check all stages of proof; help with manuscript, index, paperback, and reprint preparation. Supervise 1/2 time assistant. Monday-Friday, 30-35 hours per week.

**Requirements:** Associate's or equivalent. Knowledge of Chicago Manual of Style desirable. Minimum 2 years related experience. Proofreading skills. Excellent concentration and eye for detail. Ability to organize flow of work and meet schedules for over 125 books per year. Light typing. Send cover letter and resume to Esther Smith.

## Office Professionals Temporary

In addition to posted positions, temporary opportunities occur in many occupational areas, including secretarial, word processing, accounting, and office administration. All

individuals are encouraged to apply; experienced applicants with a typing speed of 45-60 wpm, knowledge of IBM-PC Word Perfect software and MacIntosh word processing are in particular demand. Call Karen Raponi at (607) 255-2192 or 255-7422 for more information.

**Office Assistant (S6104)**

**Summer Session-Endowed**

Provide clerical, logistical, and research support to the director, program coordinator, and administrative aide. Filing, scheduling appointments, screen phone call, run errands. Other duties as assigned. Until 8/89.

**Requirements:** High School diploma or equivalent. Business school desirable. Minimum one year office experience. Word processing experience (IBM PC, WordPerfect, and MacIntosh). Excellent organizational skills. Send cover letter and resume to Karen Raponi.

**Sales Assistant (S6001)**

**Laboratory of Ornithology**

General sales duties at Crow's Nest Bookshop during weekends and holidays. Open, close, and oversee Laboratory, register sales, answer phones, feed birds, answer basic bird questions, secure Lab when closing. Occasional Monday nights (3 hours) during seminars. Alternating weekends and holidays. Must be able to commit weekends on a regular basis. Saturday, Sunday, 11:30-5:30 p.m.

**Requirements:** High School diploma or equivalent. Previous sales experience required. Knowledge of birds helpful. Good interpersonal skills. Enjoy dealing with people. Light typing. Send cover letter and resume to Karen Raponi.

**Slide Library Assistant (S6003)**

**The History of Art-Endowed**

Assist in History of Art Slide library; typing labels, mount, clean, and repair slides. Some cataloguing. Casual part-time position through June, 15 hours a week.

**Requirements:** Bachelor's preferred. Art History background and experience in a visual arts library desirable. Light typing.

**Office Assistant (S5801)**

**Summer Session**

Serve as receptionist; process mail; general typing; word processing on IBM PC. Assist registrar in registration process. Until 9/89.

**Requirements:** High School diploma required. Office experience preferred. Some familiarity with Cornell desirable. Ability to work with diverse public. Excellent interpersonal communication skills required. Experience with Wordperfect on IBM PC desirable. Able to set priorities and work independently under pressure. Medium typing. Send cover letter and resume to Karen Raponi.

**Office Assistant (S5701)**

**Summer Session**

Provide data entry of all summer student registration information, and perform general clerical duties.

**Requirements:** High School Diploma or equivalent. Medium typing. Ability to use IBM PC with Wordperfect experience desirable. Until August 1989. Send cover letter and resume to Karen Raponi.

## General Service

Submit a signed employment application and resume. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our East Hill Plaza office.

**Food Service Worker, SO02 (G6208-G6217)**

**Statler Hotel-Endowed**

**Hiring Rate: \$5.75**

Provide adequate number of garnishes, salads, desserts and fruit dishes for the hotel's food outlets and banquet department; assist kitchen cooks as necessary. Flexible; some nights and weekends.

**Requirements:** High School diploma or equivalent education and work experience. Basic reading and writing skills. Minimum 1-2 years food preparation experience.

**Custodian, SO02 (G6201, G6202)**

**Hotel Administration-Endowed**

**Hiring Rate: \$5.75**

Maintain Statler Hall assigned area in a high state of sanitation and cleanliness. Provide other support services as directed by Housekeeping Supervisor. Shifts may vary.

**Requirements:** High School diploma or equivalent education and work experience. Housekeeping experience in commercial or industrial environment desired. Must be service-oriented, lift up to 50 pounds & climb an 8 ft ladder.

**Material Handler, SO04 (G6207)**

**Statler Hotel-Endowed**

**Hiring Rate: \$6.25**

Assist the Beverage Manager in the stocking and inventory of all beverage outlets and guestroom mini-bars; serve as bartender when necessary. Some nights and weekends.  
**Requirements:** High School diploma or equivalent. Ability to read and write. Accounting and computer experience preferred. Previous bartending experience helpful.

**Short Order Cook, SO04 (G6205, G6206)**

**Statler Hotel-Endowed**

**Hiring Rate: \$6.25**

Prepare breakfast, lunch and dinner items to order in all hotel food outlets. Some nights and weekends.

**Requirements:** High School diploma or equivalent. Minimum 2-4 years grill and broiler experience in high volume setting.

**Groundswoker, SO04 (B6101)**

**Athletics-Endowed**

**Hiring Rate: \$6.25**

Maintain and care for all Athletic and Physical Education Department equipment, facilities, and grounds. Prepare areas for intercollegiate events, physical education classes and intramural activities. Oversee ice rink activities and equipment. Irregular hours seasonally.

**Requirements:** High School diploma or equivalent. NYS class 5 driver's license required. Ability to lift 100 pounds, climb ladders, work outdoors in inclement weather. Knowledge and skill of turfgrass maintenance and proficiency in routine repair, maintenance and handling of turfgrass equipment i.e., operate power equipment tractors, lawn mowers, hand tools, standard transmission vehicles. Ability to operate ice resurfacing equipment, handle ice rink money and rental operation. Send letter and resume to Staffing Services, 160 Day Hall by April 13.

**Cook, SO06 (G6203, G6204)**

**Statler Hotel-Endowed**

**Hiring Rate: \$6.85**

Work with cooks and chefs to provide a high standard of hot food service in all hotel outlets and banquets. Some nights and weekends.

**Requirements:** High School diploma or equivalent. Minimum 2 years experience in hot food preparation in high volume operation required.

## General Service Temporary

In addition to posted positions, temporary opportunities frequently occur in custodial, food service, dish machine operation, material handling and other service areas. All individuals are encouraged to apply. Call Karen Raponi at (607) 255-2192 or 255-7422 for more information.

**Casual Assistant Animal Technician (B6202)**

**Laboratory Animal Services-Statutory**

Provide care, proper feed, fresh water, general cleaning and maintenance of cages, pens. Change bedding, papers and pan liners, remove waste while minimizing contaminants in animal rooms. Saturday, Sunday and holidays. Approximately 16-20 hours per week.

**Requirements:** High School diploma or equivalent. Will be trained on proper handling of waste disposal. Experience with animal handling. Ability to lift 50 pounds. A pre-employment physical and initial immunization required. Send letter and resume to Staffing Services, 160 Day Hall.

**Groundswoker (B6001)**

**Grounds**

Assist grounds maintenance staff in landscape maintenance and construction, including planting, mowing, weeding, mulching, watering, fertilizing, pruning, policing of grounds, maintenance of equipment and maintenance of walls, steps and fences. Mon-Thurs, 7-3:30, Fri, 7-2:20.

**Requirements:** High School diploma. Valid driver's license. Must be able to lift 100 pounds and willing to work outside during all weather conditions. Out of doors experience necessary. Apply to Staffing Services, 160 Day Hall by April 13.

**Animal Attendant (B6201)**

**Clinical Sciences/NYS-CVM-Statutory**

Assist with handling of horses in the research herd. Duties include feeding, cleaning stalls, grooming and trucking of horses. Also, general farm maintenance work. Either 25 hours per week or 39 hours per week. 5 months.

**Requirements:** High School diploma or equivalent. Experience in handling horses of all ages and sizes (stallions). Experience with farm equipment such as tractor, truck, etc. Send application materials to Staffing Services, 160 Day Hall.

**Casual Animal Attendant (B6102)**

**Veterinary Microbiology-Baker Institute-Statutory**

Provide appropriate care of horses on weekends and holidays. Feed/water, clean and disinfect facility and maintain records. Weekends and holidays, 10 hours.

**Requirements:** High School diploma or equivalent. Experience with horses or other lrg animals is necessary. Send letter and resume to Staffing Services, 160 Day Hall.

## Human Relations Advisory Board

The recently appointed Human Relations Advisory Board assesses the human relations climate at Cornell and reports to Joycelyn Hart, associate vice president for human relations.

**Mission**

"The mission of the Human Relations Advisory Board," said Joycelyn Hart, "is to contribute to the development of an integrated, pluralistic society in which individuals model, and institutions support, humaneness and respect for the personal dignity of all."

The Board is committed to achieving this mission by having a constructive impact on individual and institutional attitudes and behaviors at Cornell. Their emphasis will be on heightening awareness of discrimination and the interconnectedness of all oppression, fostering respect for differences and acceptance of diversity, advocating for the rights of minorities and other groups who are targets of discrimination, and supporting action for positive social change.

**Responsibilities**

The charge from Joycelyn Hart to the Board gives it the responsibility to:

1. Independently identify human relations concerns of the campus community and develop strategies to address the identified concerns;
2. Assist the associate vice president in planning initiatives and in monitoring and evaluating existing programs;
3. Recommend program initiatives that promote the goals of an improved human relations environment on campus and be a resource in program implementation;
4. Serve as a liaison in human relations matters to the larger community.

**Members**

The newly appointed board includes: Bonnie Berger, Coop. Ext; Peter Chi, Consumer Economics & Housing; Dorothy Cotton, Unions & Activities; Thelma Crivens, ILR; Kirby Edmonds, Training for Change Associates; Jerry Feist, Psychological Svcs; Jennifer Greene, Human Service Studies; Ross Haarstad, Human Relations Training Prog.; Ronald Loomis, Unions & Activities; Kenneth McClape, English; Gregory Medina, Minority Educational Affairs; Kris Miller, Training for Change Associates; Anne Rhodes, human relations consultant; and Daniel Tapper, Vet Physiology.

John Chin, Human Relations Training Program, and William Thompson, Equal Opportunity, serve in an ex-officio capacity. The Board is now in the process of selecting student members. For information about nominating student members, call 5-8626.

## Sexism

Continued from page 1

and among men. Men usually are not aware of sexism. Women might feel that if they bring it up it will not make a difference.

There is a lot of fear on both sides when anyone suggests talking about these issues. People often try to shrug off the fear by making jokes about "feminists" or denying that a problem exists.

Men are afraid of being blamed, attacked, or seen as the bad guy. Women are afraid of shaking up the status quo, endangering relationships with men, and being called troublemakers or "feminists" in a derogatory way.

People do not work well when they feel mistreated or confused. So even at a very practical level, it is important that sexism is addressed in order to create an effective and efficient work team. Beyond that, the work place should be an environment where people like to be, where people feel nurtured, supported and appreciated.

Because sexism is often so hard to talk about between men and women, great gains can be made by both if groups can begin talking women to women, and men to men. Although everyone's conditioning has been different, women have a lot to share with each other that men as a group have not experienced. The same goes for men. In a safe and structured atmosphere, and with the facilitation of someone who can provide a framework about how sexism operates and how individuals fit into it, the results can be amazing. Even after one meeting, people feel a sense of relief, ease, and hopefulness.

Groups of women take time to focus on ways they have been hurt by sexism. They also focus on the places where they buy into negative stereotypes of women. They then assist each other in devising strategies to become more powerful, to believe in themselves, and to improve the workplace.

Groups of men focus on their own sexist attitudes and behaviors, and how sexism has hurt women. They also discuss how painful some of the male gender stereotyped

roles have been, and how demands of the stereotyped male role are impossible to achieve. Men begin to think about ways they can work against sexism.

When the two groups come together, they have a lot to talk about. Men have come to a point where they are more aware of sexism and how they fit into it, and women have come to a point where they have been able to express their anger and hurt about sexism and can identify specific things they think should change. The two groups can then work together to plan new ways of continuing to talk about and deal with sexism.

Sexism is a reality in our society. Working on sexism is not about blaming people and attacking people. It is recognizing the problem and our involvement in it. To confront the problem, we need to learn to understand it and to deal with it directly. Both women and men have a stake in eradicating sexism—to improve relationships, to allow the freedom to act outside of stereotyped roles, and to stay true to our ideals of fairness and equality.

Until recently there have not been official policies designating resources to deal with these less blatant issues. Anne Rhodes' work at Cornell is one of the many new projects that deal with these issues. In addition to the Office of Human Relations and the Human Relations Training Program (H RTP), the Office of Equal Opportunity and the Office of Human Resources are involved in programs that address these issues.



John Chin, acting director of the Human Relations Training Program

For more information about sexism workshops, call the Office of Human Relations (5-5358) or the Human Relations Training Program (5-8626).

by John Chin, acting director of Human Relations Training Program

## Apprenticeship Recruitment

The Electricians Joint Apprenticeship Committee of Syracuse, Local 43 will open recruitment for five apprentices between April 10 - 21. Obtain applications from the local 617, West Genesee Street, Syracuse.

The Plumbers and Steamfitters Joint Apprenticeship Committee, Local 267 will open recruitment for three apprentices from April 10 -21. Forms are available at the local 701 West State Street, Ithaca.

Applicants must be at least 18 years old, have a high school or equivalency diploma (electricians also need one year Algebra, Math I or first year regents math), take an aptitude test, sign an affidavit stating they are physically able to perform the work.

## Caregivers Support Group to Meet April 11

Employees who provide care for elderly relatives are invited to the Caregivers Support Group on April 11, 11:30 am-1:00 pm in Martha Van Rensselaer NG-10. For more information, contact Ruth Raimon-Wilson, 5-9881.

## Minority Faculty and Staff

A "Spring Gathering" for minority faculty and staff will be held April 12, 4-6pm in the sixth floor conference room of the Johnson Museum. This reception is sponsored by the associate vice president for human relations, the Advisory Committee on the Status of Minorities, and the Minority Faculty and Staff Forum. Minority faculty and staff members who may have not received an invitation and would like to come should call 5-3976 by April 7.

## Working Parents

Continued from page 1

dependent, or a member of the immediate household.

For parents, health care leave may be used when a child is home ill and therefore cannot go to daycare or school. Health care leave is also used when a child needs to go to the doctor.

Full-time employees may use up to three days per fiscal year of accumulated sick leave for health care leave, prorated for part-time employees. You must have enough sick leave accrued in order to use health care leave.

Unused health care leave does not accumulate from year to year and, if not used, is retained as sick leave. Policy #418

### Personal Leave

Personal leave is intended to be used for personal business or emergencies which cannot be dealt with outside the standard work day.

For parents examples of when to use personal leave may include situations when daycare arrangements unexpectedly fall through or parents need time off from work to look for day care options in the community. Another example of how personal leave may be used to help parents balance family commitments and work responsibility is when a parent must visit with a child's teacher or daycare provider.

As with health care leave, employees may use up to three days of accumulated sick leave per fiscal year as personal leave. Regular part-time employees use personal time on a prorated basis. Unused personal leave is not accumulated; it is retained as sick leave.

In addition, personal leave can be used for all the same reasons you might use health care leave if you have exhausted all of your health care leave for the year. Policy #404

### Vacation

Parenting issues may also be dealt with through the use of vacation time. Vacation must be scheduled in advance at a time mutually convenient for both the employee and department.

All regular full-time and part-time employees may use vacation after six months on the payroll.

(However, if an employee is terminated prior to one year of service, the employee must pay back time used.)

Full-time employees earn fifteen days per year based on hours paid; part-time employees earn vacation time on a prorated basis. Policy #401

Please note: The above time away from work options are subject to supervisory approval. Always request, in advance if possible, any needed time from your supervisor in accordance with the standard practice in your department or section.

### Extended Leave Options without Pay

Two types of leaves without pay are available to Cornell employees and both will allow for certain benefits to be continued if all premium payments are paid by the employee. The benefits which may be continued during leaves without pay include health insurance, life insurance, and VADD.

The cost to the employee to continue these benefits coverage during the leave will be more expensive than when the employee is working.

### Department Leave of Absence

With supervisory approval, a department leave of absence without pay may be granted for up to six months. Regular full-time and regular part-time employees are eligible and the job is held for the employee's return to work.

An example of how a working mother may choose to use department leave of absence: After a mother's disability status ends, although she intends to return to work, she may decide to request a departmental leave to allow for a longer period of time to spend with the child. This leave may also appeal to fathers who want to take time to spend with a child.

### Short-term Departmental Leaves

You may request a short-term departmental leave which covers absences of less than fourteen calendar days through your immediate supervisor.

### Long-term Departmental Leaves

Requests for long-term departmental leaves which cover absences of over fourteen days but less than six months must be in writing and approved by the department head at least two weeks in advance of the leave.

Approval of a departmental leave is not automatic and is at the discretion of the department. Each request for a departmental leave is considered on an individual basis and business needs are examined in each case by the department.

The Office of Human Resources usually does not become involved in approving a departmental leave. If necessary, compromises can often be reached between the employee and the department, for example, perhaps the length of the leave can be adjusted. If you are considering this type of leave, you may want to read Policy #412 and consider the personal and financial ramifications it will have for you.

### University Leave of Absence

A university leave may be requested by regular full-time or regular part-time employees who have one year of continuous service. A university leave may last up to one year; **YOUR JOB IS NOT HELD FOR YOUR RETURN.**

A university leave is essentially a resignation but allows for continuation of health, life and VADD coverage and your accrued sick leave will be restored if you are re-employed at the university within one year.

Read Policy #412 carefully if you are considering this type of leave. Certain benefits will end or change; eligibility for EAP and educational programs ends.

Requests for university leave must be in writing and approved by the department and the Office of Human Resources. Accrued vacation must be used before the leave begins.

An employee on approved university leave status may accept temporary employment within the university. When the temporary employment is over, leave status is restored and expires on the original approved date. If regular employment at Cornell or elsewhere is accepted, university leave will be terminated.

The next issue of Cornell Employment News will continue this article on policies and practices which have been established to assist the working parent. Alternative work scheduling will be covered.

## Cornell Employment News

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