

# CORNELL Chronicle

Volume 22 Number 20 February 7, 1991

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Environmental  
Center  
Proposed

7  
Cornell's  
Most-Distinguished  
Graduate?

## CU faces losing \$8 million in state support next year

Gov. Mario Cuomo's Executive Budget would cost Cornell some \$8 million in cuts and lost financial aid, and it would have a large impact even on the privately supported parts of the university.

The biggest single blow would be a cut of an estimated \$4 million to \$5 million assigned to the four state-assisted colleges as a share of a \$60 million cut imposed on the State University of New York (SUNY), Cornell officials said.

"In carrying out that cut," says Nathan Fawcett, director of statutory college affairs, "there would be a significant reduction in SUNY's overall authorized positions, although it is too early to estimate the impact of that position reduction on Cornell's state-assisted units."

In the past two decades, the state-assisted colleges have received a steadily declining percentage of their funds from the state, and the number of state-funded positions has fallen from more than 2,200 to the current 1,787.

In response to the most recent SUNY cuts required by the state's continuing shortfall in projected revenues, the state-assisted colleges sent out 67 lay-off notices; some 30 additional state-funded positions have been held vacant in anticipation of persisting state-revenue shortfalls.

That cautious approach, Fawcett said, "should prove helpful in reducing the pain of the next required position cuts."

Other effects from the Cuomo budget include removal of about \$1.1 million in special legislative initiatives added to the 1990-91 budget, Fawcett said, adding:

"We're also concerned about reduction in programs supported by grants and contracts from other state agencies."

The Executive Budget, which Cuomo unveiled Jan. 31, called for both new taxes and spending cuts to cover what he saw as a \$6 billion gap between projected revenues and required expenditures. Between now and April 1, when the state's fiscal year begins, the Legislature will seek to revise Cuomo's plan, but the dire picture is not

expected to change significantly, Fawcett said.

The biggest effect of Cuomo's budget on Cornell's privately supported colleges would come from a 50 percent cut asked in Bundy Aid. That is a fee paid to all New York private colleges for each degree that they granted in the prior year.

The 50 percent cut would mean a reduction of about \$2.9 million in revenues to the approximately \$260 million endowed general-purpose budget, officials estimate.

Consequently, privately supported Cornell units are being asked to prepare for some additional reductions in their budgets for the year starting in July.

The private units were already under orders from President Frank H.T. Rhodes to cut 4 percent from their budgets over the next 17 months, and Provost Malden C. Nesheim has for some time been stressing the need to use people and funds more efficiently.

Another major impact of the Cuomo plan would be the end of Regents scholarships, which provide \$250 a year to academically qualified New York state students at public and private colleges. This would reduce by about \$1 million funds available to address the financial-aid needs of Cornell's students, though how the university would respond has not yet been determined, said Don Saleh, financial-aid director.

Saleh is also attempting to calculate the effects of cuts that Cuomo asked in the need-based Tuition Assistance Program grants.

In response to state revenue shortfalls for the current fiscal year, SUNY in December approved a \$300 annual tuition increase starting with the current semester; Cornell's trustees approved an increase of one-third that amount because that is what Cornell must pass on to SUNY.

If, as seems possible, SUNY now approves the additional \$500 tuition increase that is assumed in the governor's budget

*Continued on page 8*

## Remember when?



Charles Harrington

Before warmer temperatures arrived this week, the campus was kept cozy by a scenic blanket of snow.



David Lynch-Benjamin

Benazir Bhutto

## Bhutto: war may provoke Muslim backlash

The war in the Persian Gulf threatens to provoke a severe anti-Western backlash by Muslims in many countries who have begun to see it as a battle between Muslims and non-Muslims, Benazir Bhutto, the former prime minister of Pakistan, said during a visit to Cornell last week.

Many Muslims opposed Iraq's invasion of Kuwait last August and supported the international trade embargo against Iraq, she said. But their view of the issues involved in the conflict was significantly broadened — and radicalized — when America went to war.

"When fighting broke out, the new thought began that this was a war between Muslims and non-Muslims," Bhutto said. By taking military action, America seemed to some to be using the Kuwaiti invasion as an opportunity to destroy Iraq, she said.

Bhutto, 37, was the first woman to head a Muslim country. She made her comments during a lecture to a capacity crowd of 2,000 people at Bailey Hall, during a question-and-answer reception with some 50 students and during a press conference Jan. 31. Among the topics discussed were her recent ousting as Pakistan's leader, the Pakistani-Indian conflict over Kashmir and the Gulf War.

Bhutto noted that Saddam Hussein also broadened the conflict by transforming the Kuwaiti invasion into a political demand for a Palestinian homeland. It is a theme that concerns Muslims worldwide, said Bhutto, because "Palestinians are spread throughout many Muslim countries. They keep their struggle alive, and it becomes the struggle of all Muslims."

As a result of these developments, many Muslim countries have been radicalized, Bhutto said. She suggested that it is imperative that Muslim leaders now make an effort to participate in the resolution of the Gulf War and encourage

an international conference on the Palestinian issue.

Her visit to Cornell was part of a 13-city, 14-day U.S. tour. She appeared before business, public-interest and foreign-affairs groups.

Bhutto has attracted great interest in the United States as a woman who has been in and out of Pakistani prisons, the best American and British universities and the prime minister's office. She is the daughter of Ali Bhutto, the first democratically-elected prime minister of Pakistan.

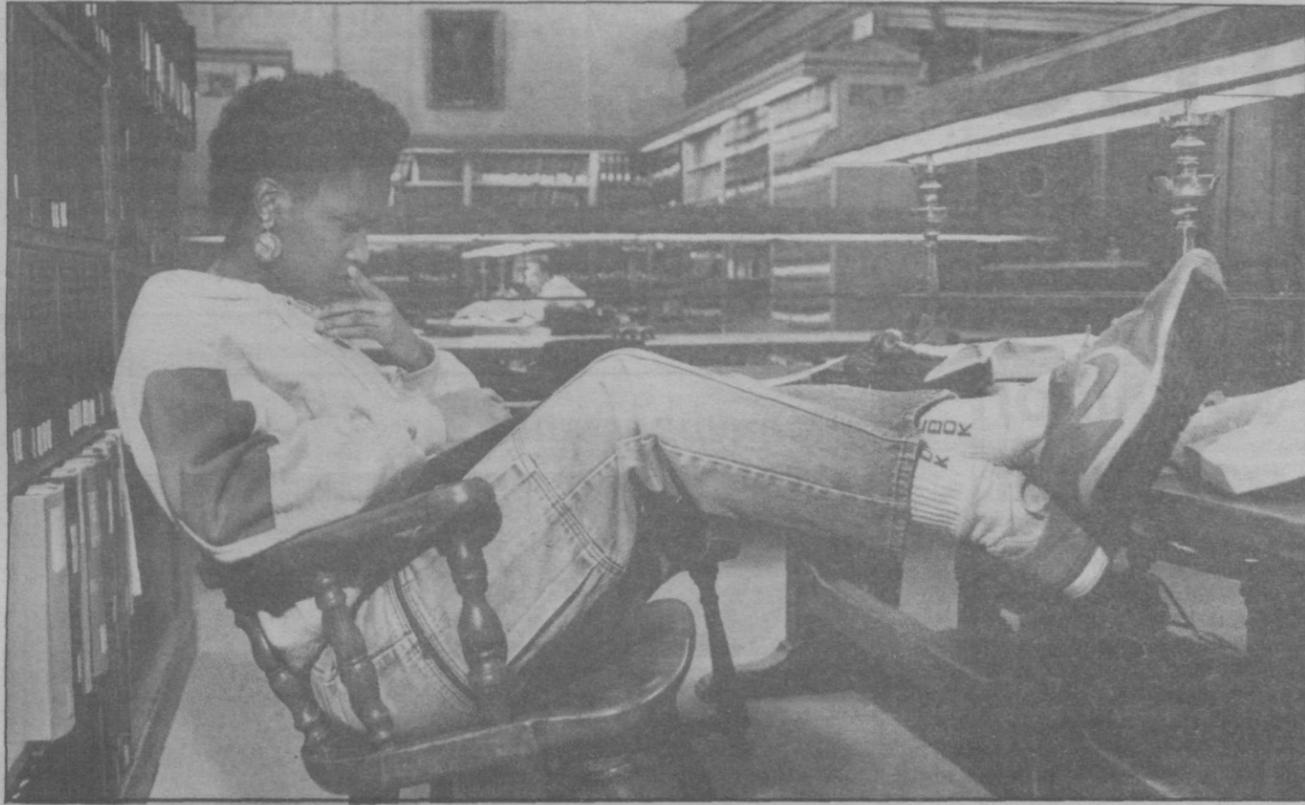
*Palestinians are spread throughout many Muslim countries. They keep their struggle alive, and it becomes the struggle of all Muslims. It is imperative that Muslim leaders now make an effort to participate in the resolution of the Gulf War and encourage an international conference on the Palestinian issue.*

A graduate of Harvard and Oxford universities, Bhutto returned to Pakistan in 1977 with plans to work in government. But within a day, her father, ousted by his former military commander, Gen. Mohammad Zia ul-Haq, was arrested on charges of murdering a political opponent. He was later sentenced to death by what American news accounts described as a rigged court.

Bhutto spent much of the next 18 months fighting her

*Continued on page 8*

## The prosecution rests



Charles Harrington

First-year Law School student Tonya Jean Williams studies in the reading room of Myron Taylor Hall.

## BRIEFS

■ **Undergraduate research:** A forum at which undergraduates will make oral presentations about their research from 3:30 to 5 p.m. on March 28 is being planned. A pizza reception will be held for presenters, faculty mentors and staff. For more information, contact Marilyn Williams at 255-5004 or Betty Checksfield at 255-7376.

■ **Community-service award:** Nominations are being sought for the Robinson-Appel Humanitarian Award, honoring past and on-going student contributions to community service. Three awards worth \$1,000 each will be granted for future use in community-service activities. Applications are available in the CIVITAS office, Anabel Taylor Hall, or at the Information and Referral Center in the Day Hall lobby. Deadline is March 15.

■ **Cornell on TV:** Now that the groundhog has made his prediction, meteorologists at Cornell come out of the shadows to talk about weather folklore on the next "Cornell Community Report" television show on Cable Channel 7, scheduled for 7:30 p.m. Wednesday, Feb. 13, and again at 10:30 p.m. Tuesday, Feb. 19. Also, Gould Colman, Cornell archivist, will provide a glimpse into the university's past, while architect and politician Harvey Gantt looks to the future of America's cities, and Cornell Athletic Director Laing Kennedy shares his views on the NCAA and Ivy League athletics.

■ **Arizona journey:** Dan Tillemans, director of Cornell Outdoor Education, will give a slide presentation of his 1976 wilderness backpacking trek across Arizona today at 6:30 p.m. in the Hall of Fame Room, Schoellkopf Hall. During spring break this year, Tillemans and two other Cornell Outdoor Education instructors will take a group of students on a rock-climbing trip in the Superstition Mountains of central Arizona.

■ **Election petitions:** Petitions are now available in the Assemblies Office, 165 Day Hall, for the student-elected trustee position, for seats on the Student Assembly for graduate and professional students, and for seven seats on the Employee Assembly. Petitions to run for student-elected trustee and Student Assembly are due Feb. 8; petitions for the Employee Assembly, which require 25 signatures, are due Feb. 15.

■ **Software competition:** The EDUCOM Higher Education Software Awards Program is accepting entries for its 1991 competition. The program seeks to identify and reward outstanding software packages and effective curricular implementations of computers at the college level. For 1991, entries will be accepted in undergraduate humanities, engineering and mathematics, as well as in graduate law. The 1992 competition will include social sciences, natural sciences and accounting. Application deadline is March 11. For more information, contact Charlotte Kiefer in Cornell Informa-

tion Technologies at 255-1805.

■ **Calling all playwrights:** The Department of Theatre Arts is accepting student scripts for its annual Herrmans-McCalmon playwriting competition. Scripts for one-act plays must be submitted by March 1. The awards consist of two prizes: \$300 for first place and \$150 for second. The winning script will be produced as a staged reading in the Center for Theatre Arts at 8 p.m. on April 7. For a copy of the guidelines, call Janet Salmons-Rue, 233 Center for Theatre Arts, telephone 254-2718 or 254-2700.

■ **Materials Council:** Jack Blakely, director of the Department of Materials Science and Engineering, has participated in forming the Empire State Materials Council. The first project of the organization of researchers at educational, industrial and non-profit institutions will be a directory of materials science and engineering resources.

■ **ESL:** A non-credit course will be offered for visiting academicians who seek improvement in any basic English-language skills, particularly speaking and listening comprehension. The 10-week course will meet in two different sections on Mondays and Wednesdays from 4:30 to 6 p.m. and 7:30 to 9 p.m., beginning Feb. 18. The fee is \$450. Registration must be submitted by Feb. 14. For information, contact Donna Colunio, Programs in Professional Education, B-12 Ives Hall, telephone 255-7259.

## APPOINTED

The following actions have been approved by President Frank H.T. Rhodes.

Royal D. Colle, reappointed chairman of the Department of Communication, effective Oct. 1; Ronald B. Furry, appointed chairman of the Department of Agricultural and Biological Engineering, effective Nov. 1; Marilyn Migiel, appointed director of the Medieval Studies Program, effective July 1; Timothy D. Mount, appointed director of the Cornell Institute for Social and Economic Research (CISER), effective July 1; Harry E. Shaw, appointed director of the John S. Knight Writing Program, effective July 1; and J. Mayone Stycos, reappointed director of the Population and Development Program in the Center for International Studies, retroactive to July 1, 1989.

Also, Benedict R. Anderson, the Aaron L. Binenkorb Professor of International Studies, appointed acting chairman of the Government Department for the spring semester; Daniel R. Gold, assistant professor of Asian studies, appointed director of the South Asia Program in the Center for International Studies for the spring semester; Ronald LaFrance, extension associate, appointed director of the American Indian Program through Dec. 31, 1993; James P. Lassoie, reappointed chairman of the Department of Natural Resources, effective Jan. 1.

The following faculty members were promoted to the rank of full professor, effective Nov. 1:

Robin G. Bell, Department of Microbiology, Immunology and Parasitology, College of Veterinary Medicine; Olivia S. Mitchell, Department of Labor Economics, School of Industrial and Labor Relations; Roger C. Pearson, Department of Plant Pathology (Geneva), College of Agriculture and Life Sciences; and Sandra F. Siegel, Department of English, College of Arts and Sciences.

The following faculty members were promoted to the rank of full professor, effective Jan. 1:

Susan F. Buck-Morss, Department of Government, College of Arts and Sciences; Robert B. Gravani, Department of Food Science, College of Agriculture and Life Sciences; Robert W. Howarth, Section of Ecology and Systematics, College of Agriculture and Life Sciences; John W. Kelley, Department of Natural Resources, College of Agriculture and Life Sciences; John T. Lis, Section of Biochemistry, Molecular and Cell Biology, College of Agriculture and Life Sciences; and Charles McClintock, Department of Human Service Studies, College of Human Ecology.

Also, Phyllis Moen, Department of Human Development and Family Studies, College of Human Ecology; John D. Smillie, Department of Mathematics, College of Arts and Sciences; Mark E. Sorrells, Department of Plant Breeding and Biometry, College of Agriculture and Life Science; Steven Stucky, Department of Music, College of Arts and Sciences; Maurice E. White, Department of Clinical Sciences, College of Veterinary Medicine; Bettie Lee Yerka, Cooperative Extension, College of Human Ecology.

## CORNELL Chronicle

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It is the policy of Cornell University actively to support 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, sexual orientation, age, or handicap. The university is committed to the maintenance of affirmative-action programs that will assure the continuation of such equality of opportunity. Sexual harassment is an act of discrimination and, as such, will not be tolerated. Inquiries concerning the application of Title IX may be referred to Cornell's Title IX Coordinator (Coordinator of Women's Services) at the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, N.Y. 14853-2801 (telephone 607 255-3976).

Cornell University is committed to assisting those persons with disabilities who have special needs. A brochure describing services for the handicapped student may be obtained by writing to the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, N.Y. 14853-2801. Other questions or requests for special assistance may be directed to that office.

## GRADUATE BULLETIN

**Late registration:** Go to the Registrar's Office, 222 Day Hall.

**Enrollment:** Course enrollment is through Feb. 8. Bring completed enrollment forms to Sage Graduate Center.

**New students:** New students must return the completed Special Committee Selection and Change form to the Graduate School by Feb. 8. For an entering student, the form must bear at least the signature of a temporary adviser.

**Fee deadline:** The \$200 active file fee for spring 1991 will not be charged to Ph.D. candidates who are not registered for spring 1991 if they complete all degree requirements by Feb. 8, including defense and submission of the final copies of the dissertation to the Graduate School.

**Seminars:** Dissertation and thesis seminars will be held in the Morison Seminar Room, Corson/Mudd Hall, noon to 1 p.m., Tuesday, Feb. 19, for doctoral dissertations and Wednesday, Feb. 20, for master's

theses. The thesis adviser will discuss preparing and filing theses and dissertations; students, faculty and typists are encouraged to attend.

**Travel:** Research travel grants are available to graduate students for summer or fall 1991 travel which is directly related to dissertation research. Priority will be given to Ph.D. students who have or will have passed the "A" exam before initiating travel. Application forms are available in graduate field offices. Each field sets deadlines for completed applications; applications are submitted by fields to the Graduate Fellowship Office by March 18.

Please recycle this paper . . .

along with other newsprint, colored and white paper and computer print-outs.

## New environmental center proposed

A committee of deans and senior faculty has recommended that Cornell establish a new environmental center to generate knowledge, technology and public policy for the benefit of the natural environment.

The proposed Center for the Environment — to be staffed by a full-time director and professors in five, newly endowed chairs — would supersede and expand the scope and mission of the Center for Environmental Research.

The proposal, formulated by the faculty and administrators on the Provost's Committee on the Environment, has been submitted to Provost Malden C. Nesheim. It will be presented to the Faculty Council of Representatives and the Board of Trustees for consideration.

"Although Cornell has always had a strong commitment to environmental issues, the proposed Center for the Environment would provide a coherent and coordinated, multidisciplinary, universitywide effort to tackle this very important societal issue," said Dean David L. Call of the College of Agriculture and Life Sciences. Call and Simon Levin, a professor of ecology and systematics, were co-chairmen of the committee.

"By restructuring the environmental programs on campus, the Center for the Environment would provide synergistic approaches that would effectively integrate the departmental programs in research, education and outreach or extension," Call said.

The committee's report recommends that the new center have three general goals:

- To improve the Cornell community's awareness and understanding of environmental issues through expanded and enhanced academic programs, including the institution of a new professional master's-degree program.

- To expand the scope of environmental research on campus by encouraging interdisciplinary research.

- To enhance and coordinate extension and outreach efforts to better meet the needs of individuals, communities, state and local agencies and policy-makers.

Specifically, the environmental unit would bring together biological, agricultural, physical and chemical scientists and engineers, as well as social scientists studying pol-

icy, management, economic, cultural and institutional issues. The faculty associated with the center would address complex interdisciplinary problems related to the causes and effects of environmental deterioration. A full-time, senior-level faculty member would direct the center, which would work toward solving environmental problems through the collaboration of science, engineering and policy.

The committee's statement, detailed in its report, recommends that the director of the unit be supported by a governing board consisting of senior university administrators, a new program steering committee consisting of chairmen from the major academic departments involved in environmental research and education, the five full-time faculty members of the center and at-large faculty representatives.

Research programs in the unit would focus on:

- Characterizing and preserving natural systems.
- Studying managed systems such as agriculture, forestry, fisheries and waste management.

- Analyzing stressed systems, including acid deposition on ecosystems, chemicals in the environment, water quality and global changes.

The Center for the Environment would also enhance undergraduate and graduate education for master's and Ph.D. studies by establishing new courses and programs as needed, as well as a new curriculum that would lead to a fifth-year master's degree in environmental management.

The extension and outreach programs would broaden information dissemination to ensure that environmental knowledge that is generated through the center's activities is applied to real-world issues at local-community, state, national and international levels.

The plan, which recommends that the center be supported by an endowment of more than \$30 million, suggests that its funding be raised as part of the \$1.25 billion capital campaign that Cornell announced last October.

"This is an exciting project," said Inge Reichenbach, director of development. "If approved by the university, we'll make it high priority in our campaign efforts."

— Susan S. Lang



Chris Hildreth

Professor Francis Moon adjusts an airstream nozzle that rotates a superconducting bearing.

## Near-frictionless superconducting bearing could find its way into NASA space probes

Under a new NASA-sponsored research project, the almost-frictionless superconducting bearing developed by Cornell engineer Francis Moon and his colleagues could find its way into space probes as a key part for cryorefrigerators and other mechanical systems. Cryorefrigerators are designed to achieve ultracold liquid-helium temperatures to cool sensors to make them more sensitive.

Under a new \$475,000 NASA grant, researchers in Cornell's Laboratory of Non-linear Dynamics and Magneto-Mechanics will develop the basic engineering of the bearings necessary for long-term space missions.

The bearing could be used in devices such as gyros, computer disk drives, scanning systems and cryogenic fluid pumps, as well as other high-speed rotary mechanical systems, according to Moon. Moon is a professor and director of the Sibley School of Mechanical and Aerospace Engineering.

The bearing, which has been spun up to 120,000 revolutions per minute (rpm), depends on the levitating effect of new, high-temperature superconducting materials. Cornell holds two patents and has another pending related to the application of new superconducting materials to magnetic bearings. The engineers first announced invention of the bearing in 1988.

High-speed magnetic bearings now in use can achieve

speeds of more than 100,000 rpm in a vacuum but require complex feedback circuits to maintain stability. However, the superconducting bearing will be able to achieve speeds up to 300,000 rpm and perhaps even 1 million rpm in a vacuum, and the levitating effect of the superconductor is self-stabilizing, needing no feedback control, said Moon.

The device consists of a bearing made of the new yttrium-barium-copper oxide superconducting ceramic discovered in 1987 by researchers at IBM Corp., the University of Houston and elsewhere. When the superconductor is cooled to liquid nitrogen temperatures, the bearing will levitate a rotor containing rare-earth permanent magnets. This levitation phenomenon, in which superconductors repel magnetic fields, is known as the Meissner effect.

Moon and his students have recently tested new materials from other laboratories that show even greater promise of application for superconducting bearings than was thought two years ago.

Moon's laboratory also publishes a quarterly Superconducting Bearing and Levitation Newsletter, with more than 200 subscribers. The Cornell laboratory also has working research exchange agreements with other superconducting materials laboratories at Argonne National Laboratory, IS-TEC in Japan and the Catholic University of America.

— Dennis Meredith

## CORNELL Life

### Dinner with Benazir

"Hi, this is Mike," the message on senior Mike Schade's answering machine said this past Monday, "I'm either out studying or having dinner with former prime ministers."

Of course, he was pushing it. Dinner with Benazir Bhutto was last week.

But the experience of escorting the former prime minister of Pakistan to dinner, a press conference, a Bailey Hall lecture, three receptions and, as Schade says, "making small talk on the prime-minister level," doesn't pale over a weekend.

It was, he says, "a tough day for me. . . . I was a little intimidated in the beginning. I think I was by the end, too."

As lecture chairman of the Programming Board, Schade says what he found difficult was that "you have to have a front up and be proper and prim and polite. Not that I'm not like that, but usually I'm more easygoing."

Which, apparently, Bhutto is not, according to the experience of another dinner guest, Visiting Professor Rafiuddin Ahmed, who has studied Bhutto's career since they were students at Oxford.

At dinner, with a party of 15 at the A.D. White House, conversation focused on education and Bhutto's tenure as prime minister. It was cordial, until Ahmed, now in the South Asia Program and originally from Bangladesh, raised a question.

"Why did you decide to visit Bangladesh when it was being ruled by a military dictator, after you fought against military dictatorship?" he asked, suggesting she had compromised her principles.

Bhutto's face betrayed some irritation, Ahmed said, while she answered.

Then switching to her acceptance of the prime minister's seat in 1988, he asked, "But would it not have been better for you to represent the opposition party in Pakistan? Then you would not have had to compromise your principles."

At this, Schade recalls, Bhutto waved a spoon

*'Once you've dined with the prime minister, the rest of your life seems void — except for . . .'*

and "put him [Ahmed] in his place like you would not believe." Very, very irritated, she said, "Why should I? I was the leader of the majority party," Ahmed recalls.

In fact, Bhutto's party won only 91 of 207 seats in Pakistan's parliament, making her leader of the largest but not the majority party, he said. But, deciding she was "rather intolerant of opposition," Ahmed opted to push the point no further.

At the end of the evening, Schade escorted Bhutto to a final reception at the Sigma Phi fraternity house, which was one of the sponsors of her visit. Thirty minutes had passed when he observed, "she definitely had enough."

Bhutto stood to leave; some students pushed toward her for a last-chance autograph. She started to sign one, and a student snapped a picture. She missigned. Then she turned to the photographer, Schade said, and exclaimed, "Why did you have to take a picture when I was trying to sign a book?"

After this, she left. Schade stayed to unwind and compare impressions. "A lot of people on the Programming Board thought she was mean," he said. Some thought she seemed unfeeling when she spoke of her father's execution.

Ahmed, who has studied the effect military rule has had on her (her father's execution, her own imprisonment and, currently, her husband's), was later concerned about this, too. He suggested that she might prove "a very ruthless leader — if she survives politically, and, of course, physically." Schade is left with a different impression.

"I think she was tired, maybe," he said. "I don't think she was mean." Her restraint about her father's death he ascribes to a prime ministerial requirement to keep up a front.

Even so, the barriers did come down some during conversations in the car. In fact, he found her down-to-earth. "I mean, a little." He means, she talked hockey — a subject which lifts him from tension and post-dinner-with-prime-minister blues.

As the message on his telephone answering machine explained on Tuesday: "Once you've dined with the prime minister, the rest of your life seems void, only filled with tests, papers and books to read — except for Big Red. Go Big Red."

— Lisa Bennett

# CALENDAR

All items for the Chronicle 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.

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

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

## DANCE

### Cornell International Folkdancers

All events are open to the Cornell Community and general public. Admission is free, unless stated otherwise. For further information, call 257-3156.

Review beginner's night dances and requests, 7:30 to 10:30 p.m.; planning meeting 6:30 to 7:30 p.m., Feb. 10, North Room, Willard Straight Hall.

Global Dancing, co-sponsored by the Cornell Wellness Program, 7:30 to 10 p.m., Feb. 12, dance studio, Helen Newman Hall. For information, call 273-0707.

### Israeli Folkdancing

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

## EXHIBITS

### Johnson Art Museum

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

"Message to the Future," an exhibition of artwork by New York state artists concerned with environmental issues, is on display at the Johnson Museum through March 17. The show features paintings and photographs created in response to the 1989 Exxon Valdez oil spill, a quilt protesting nuclear-waste dump sites in New York, a sculpture constructed entirely of garbage and a handmade animated film about geologic time. The show presents 70 works by 21 artists. In conjunction with the exhibit, Leslie Schwartz, curator, will give a tour Feb. 7 at noon.

### Center for Jewish Living

"Art and Action," by Alex Singer '84, will be on display at the Gallery of Art, Center for Jewish Living, 106 West Ave., through March 15. After graduating from Cornell, Singer moved to Israel and was drafted into the Israeli Army in 1985 and killed in 1987 in a battle in Lebanon.

### History of Science Collections

"Medicine, Botany, Art: A Selection of 16th-Century Herbals," on exhibit in the History of Science Collections reading room, features herbals by such major botanists as Hieronymus Bock, Otto Brunfels and Leonhart Fuchs, as well as Konrad Gesner's notes (in facsimile) for the great botanical work he never published. The exhibit, in 215 Olin Library, will run through February, Monday through Friday, 9:30 a.m. to 4:30 p.m.

### Olin Library

"Children's Literature: From England . . . to America," through March 15, Monday through Friday, 8 a.m. to 5 p.m. English and American illustrated books for children from the late 18th through the early 20th centuries.

### Tjaden Gallery

CCPA Grant Exhibitions: paintings by Nandini Bagla through Feb. 9; photographs by Audra Glenn, Feb. 9 through Feb. 16. The gallery is open from 8 a.m. to 4:30 p.m.

### Willard Straight Hall Art Gallery

"Another Time," photographs from 1910 by Judith Whitmer, through Feb. 8, Willard Straight Hall Art Gallery.

## FILMS

Films listed below are sponsored by Cornell Cinema unless otherwise noted and are open to the public. All films are \$3.50 except weekend films (Friday and Saturday), which are \$4.50 (\$4 for students). All films are held in Willard Straight Theatre except where noted.

### Thursday, 2/7

"Postcards From the Edge" (1990), directed by Mike Nichols, with Meryl Streep, Shirley MacLaine and Gene Hackman, 7:15 p.m.

"Tumbleweeds" (1925), directed by William S. Hart, with William S. Hart and Barbara Bedford, 7:30 p.m., free, Uris.

"The Terminator" (1984), directed by James Cameron, with Arnold Schwarzenegger, Michael Biehn and Linda Hamilton, 9:40 p.m.

### Friday, 2/8

"The Icicle Thief" (1990), directed by Maurizio Nichetti, with Federico Rizzo and Matteo Auguardi, 7:15 p.m., Uris.

"Notorious" (1946), directed by Alfred Hitchcock, with Cary Grant, Ingrid Bergman and Claude Rains, 7:15 p.m.

"State of Grace" (1990), directed by Philip Joanou, with Sean Penn, Gary Oldman and Burgess Meredith, 9:30 p.m., Uris.

"Postcards From the Edge," 9:45 p.m.

### Saturday, 2/9

"Bach and Broccoli," shown with the short "Waffles," directed by Andre Melancon, as part of the IthaKid Film Fest, co-sponsored by the Ithaca Youth Bureau, recommended for ages seven and up, 2 p.m.

"Postcards From the Edge," 7:15 p.m.

"The Icicle Thief," 7:30 p.m., Uris.

"The Princess Bride" (1987), directed by Rob Reiner, with Cary Elwes, Mandy Patinkin and Carol Kane, 9:40 p.m.

"State of Grace," 9:45 p.m., Uris.

"The Terminator," midnight.

### Sunday, 2/10

"Handsworth Songs," shown with "Sari Red," with guest speaker Trinh Minh-Ha, co-sponsored with CCPA, 2 p.m., free, Johnson Museum.

"The Princess Bride," 4:30 p.m.

"Notorious," 8 p.m.

### Monday, 2/11

"Off the Limits" (1989), directed by Rakhshan Bani-Atemad, with Mehdi Hashemi and Parvaneh Masumi, 4:30 p.m., free.

"The Icicle Thief" (1990), 7:15 p.m.

"The Bicycle Thief" (1949), directed by Vittorio De Sica, with Lamberto Maggiorani, Lianella Carell and Enzo Staiola, 9:30 p.m.

### Tuesday, 2/12

"Negros: A Race Against Time," sponsored by the Southeast Asia Film Series, 4:30 p.m., Room B, Uris Library.

"The Peddler" (1988), directed by Mohssen Makhmalbaf, with Zohreh Sarmadi, 8 p.m., Uris.

"The Silence of the Lambs" (1991), directed by Jonathan Demme, with Jodie Foster, Anthony Hopkins and Roger Corman (\$6/\$5 students; comps and discount cards not accepted), 8 p.m.

### Wednesday, 2/13

"Ugetsu" (1953), directed by Kenji Mizoguchi, with Machiko Kyo, Japanese Film Series, co-sponsored by the East Asia Program, 4:30 p.m., free, Uris.

"Haiti Dreams of Democracy" and Jonathan Demme's music videos, directed by Jonathan Demme and Jo Menell, in celebration of Black History Month, 7:15 p.m.

"Pacific Heights" (1990), directed by John Schlesinger, with Michael Keaton, Matthew Modine and Melanie Griffith, 9:45 p.m.

### Thursday, 2/14

"Marriage of the Blessed" (1989), directed by Mohsen Makhmalbaf, with Mahmud Bigham and Roya Nonahali, 4:30 p.m., free.

"Le Plaisir" (1952), directed by Max Ophuls, with Simone Simon, Jean Gabin, Danielle Darjeux and Pierre Brasseur, free, 7:30 p.m., Uris.

"Pacific Heights," 7:15 p.m.

"Star Wars" (1977), directed by George Lucas, with Mark Hamill, Harrison Ford and Carrie Fisher, 9:45 p.m.

## LECTURES

### Africana Studies

"The Anti-Apartheid Struggle and the Pros-

pect for Non-Racial Democracy in South Africa," Murphy Morobe, publicity secretary, United Democratic Front, South Africa and Princeton University, co-sponsored by Institute for African Development and Center for International Studies, Feb. 13, 12:15 p.m., 250 Caldwell Hall.

### Archaeology

"Cayonu Tepesi: The Aceramic Neolithic and the Beginnings of Metallurgy in the Ancient World," James Muhly, University of Pennsylvania, Feb. 13, 8 p.m., 22 Goldwin Smith Hall.

### Classics

"The Making of the Trojan Legend," Erich S. Gruen, University of California, Berkeley, Feb. 12, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall. This is the first of the seven Townsend Lectures on "Culture and National Identity in Mid-Republican Rome."

### Cornell Outdoor Education

Dan Tillemans, director, will give a slide presentation of his trip across Arizona Feb. 7, 6:30 p.m., Hall of Fame Room, Schoellkopf Hall.

### Cornell Research Club

"The Dawn of DNA," David Usher, chemistry, Feb. 7, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

### Hillel

"Kabbalah and Education," Sheldon Stoff, Topics in Jewish Tradition, Feb. 11, 8 p.m., 314 Anabel Taylor Hall.

### Mathematical Sciences Institute

"Discontinuous Solutions of the Navier-Stokes Equations for Compressible Flow," David Hoff, Indiana University, co-sponsored by Center for Applied Mathematics, Feb. 8, 4 p.m., 321 Sage Hall; "The Inviscid Limit Problem for Compressible Flows with Shock Data," Feb. 11, 4 p.m., 214 MSI, 409 College Ave.; "The Failure of Continuous Dependence on Initial Data for Solutions of the Navier-Stokes Equations," Feb. 12, 4 p.m., 214 MSI, 409 College Ave.

### Music

Lois Svard, who has written articles for "Musical America," "Keyboard" and "Notes," will speak on 20th century compositional techniques, Feb. 11, 4:15 p.m., Barnes Hall.

Gregory Davis, University of Evansville, will speak on Sergei Prokofiev, Feb. 13, 4:30 p.m., Barnes Hall.

### Near Eastern Studies

"Islamic Fundamentalism and Muslim Identity in South Asia," Rafiuddin Ahmed, visiting professor, co-sponsored by Comparative Muslim Societies, Feb. 7, 12:15 p.m., 374 Rockefeller Hall.

### Nutritional Sciences

"Nutritional Care of the HIV+ Patient," Vivica Kraak, Feb. 12, 7:30 p.m., NG35 Martha Van Rensselaer Hall.

### Society for the Humanities

"Whatever Happened to Don Juan? Psychoanalysis and the Question of Male Hysteria," Juliet Mitchell, practicing psychoanalyst, London, co-sponsored by women's studies, university lectures, English, western societies program, Feb. 12, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Title to be announced, Peter Bailey, University of Manitoba, Feb. 13, 4:30 p.m., Guerlac Room, A.D. White House.

## MUSIC

### Department of Music

Joseph Schwartz, pianist, will perform in an all-Chopin concert on Feb. 9 at 8:15 p.m. in Barnes Hall. The 1958 Naumburg Award winner and internationally performing pianist will present compositions by Frederic Chopin, Nocturne in B Major, Three Etudes, Sonata in B Minor, Two Mazurkas, Scherzo No. 3 in C-sharp Minor, and Ballade No. 4 in F Minor. Schwartz will give a master class on Feb. 9 from 1 to 3 p.m. in Barnes Hall. Call 255-4760 for information.

Lois Svard, pianist, will give a recital Feb. 11 at 8:15 p.m. in Barnes Hall. Performed will be "The Book of Sounds," by Hans Otte; "Nocturne With and Without Memory," by "Blue" Gene Tyranny; "Imaginary Dances," by William Duckworth; "Trapani," by Jerry Hunt; and Etudes for Piano, Gyorgy Ligeti.

Pianist Gregory Davis will perform music of Sergei Prokofiev Feb. 14 at 8:15 p.m. in Barnes Hall. Featured will be Sonata No. 3 in A Minor; 20 Visions Fugitives; Three Pieces, op. 59; Toccata, op. 11; and Sonata No. 8.

### Festival of Black Gospel

Voices in gospel choirs from throughout New

York state will give the traditional Festival of Black Gospel mass-voice concert under the direction of Alvin Freeland, First Baptist Church, Brownsville, Feb. 9, 7 p.m. in Bailey Hall. The mass choir will hold an open practice session in Bailey Hall from 11 a.m. to 3 p.m. on the day of the concert.

### Bound for Glory

Chris Smither, with blues and raggy tunes, will perform in three live sets on Feb. 10 at 8:30, 9:30 and 10:30 p.m. in the Commons Coffeehouse in Anabel Taylor Hall. Bound for Glory can be heard Sundays from 8 to 11 p.m. on WVBR-FM, 93.5.

## RELIGION

### Sage Chapel

Leroy Gainey, Golden Gate Baptist Theological Seminary, Mill Valley, Calif., Feb. 10, as part of the Festival of Black Gospel. Service begins at 11 a.m. Music will be provided by several local groups. Sage is a non-sectarian chapel that fosters dialogue among the major faith traditions.

### Baha'i

Weekly meetings on campus. Call 255-7971 for information.

### Catholic

Masses: Saturdays, 5 p.m., Sundays, 9:30 a.m., 11 a.m., 5 p.m., Anabel Taylor Auditorium. Daily masses, Monday through Friday, 12:20 p.m., Anabel Taylor Chapel.

### Christian Science

Testimony meetings, Thursdays, 7 p.m., Founders Room, Anabel Taylor Hall.

### Episcopal (Anglican)

Sundays, worship and Eucharist, 9:30 a.m., Rev. Gurdon Brewster, chaplain, Anabel Taylor Chapel.

### Friends (Quakers)

Sundays, 10 a.m., adult discussion; 11 a.m. meeting for worship, Edwards Room, Anabel Taylor Hall.

### Jewish

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

Shabbat Services: Friday: Conservative/Egalitarian, 5:30 p.m., Founders Room, Anabel Taylor Hall; Reform, 5:30 p.m., Anabel Taylor Chapel; Orthodox, Young Israel (call 272-5810 for time). Saturday: Orthodox, 9:15 a.m., One World Room, Anabel Taylor Hall; Conservative/Egalitarian, 9:45 a.m., Founders Room.

### Korean Church

Sundays, 1 p.m., Anabel Taylor Chapel.

### Muslim

Friday Prayers, 1 p.m., Edwards Room, Anabel Taylor Hall; Friday discussion-dinner, 7:30 p.m., 218 Anabel Taylor Hall; Sunday Qur'an Study, 12:30 p.m., 218 Anabel Taylor Hall; Ramadhan prayers and fast-breaking begins around March 14; MECA office, 218 Anabel Taylor Hall, provides information, a library, halal meat and other services for all. For information, call Minhaj Arastu, 253-6848.

### Protestant Cooperative Ministry

Sunday worship, 11 a.m., Anabel Taylor Chapel; Taize Prayer, Tuesdays, 5:30 p.m., Anabel Taylor Chapel; Bible study, Thursdays, noon, G-7 Anabel Taylor; Celebration, Fridays, 5 to 8 p.m., 401 Thurston Ave. Call the Rev. Barbara Heck, chaplain, 255-4224, for information.

### Seventh-Day Adventist

Student association, Fridays, 7:15 p.m., 314 Anabel Taylor Hall.

### Zen Buddhism

Zazen practice Tuesdays 6:45 p.m. and Thursdays 4:30 p.m. in Anabel Taylor Chapel. For more information or to arrange beginner's instruction, call Jon Warland at 272-0235.

## SEMINARS

### Astronomy & Space Sciences

"Molecules and Fields in Active Nuclei," Willem Baan, Arecibo Observatory, Feb. 7, 4:30 p.m., 105 Spaces Sciences Building.

### Biotechnology Program

"Genetic Toxicology: Single Cell Analysis Using High-Speed Flow Cytometry 'Applying Biotechnology in a Small Company,'" Andrew

Genetics, Litron Laboratories Ltd. Genetic Toxicology Services, Feb. 13, 3 p.m., G01 Biotechnology Building.

**Chemical Engineering**  
"Application of Neural Networks in Chemical Process Systems," Thomas J. McAvoy, University of Maryland, Feb. 12, 4:15 p.m., 119 Olin Hall.

**Chemistry**  
"Entropies and Free Energies of Molecular Solids and Solids: New Methodologies and a New Phase of Water," William Reinhardt, University of Pennsylvania, Feb. 7, 4:40 p.m., 119 Baker Laboratory.  
Title to be announced, Ben Liu, University of Minnesota, Feb. 11, 4:40 p.m., 119 Baker Laboratory.

"Correlations Without Coincidence Measurements: Deciding Between Stepwise and Concerted Dissociation Mechanisms," Paul Houston, chemistry, Feb. 14, 4:40 p.m., 119 Baker Laboratory.

**Electrical Engineering**  
"Art and Analysis: Ion Beams and X-rays," James W. Mayer, SRC-Microscience & Technology Program, Feb. 12, 4:30 p.m., 219 Phillips Hall.

**English**  
"In the First Place: Frederick Douglass and the Idea of an African-American Narrative Tradition," Deborah McDowell, University of Virginia, Feb. 7, 4:30 p.m., A.D. White House.

**Food Science & Technology**  
"Food Safety and the Food Chemical Codex," Sanford W. Bigelow, National Academy of Sciences, Feb. 12, 4:30 p.m., 204 Stocking Hall.

**Genetics & Development**  
"Genetic Analysis of the Structure and Function of Canine and Feline Parvoviruses," John Parrish, Baker Institute, Feb. 11, 4 p.m., Conference Room, Biotechnology Building.

**International Nutrition**  
"International Food Safety Issues — GATT and Biotechnology," Katherine Clancy, Syracuse University, Feb. 7, 12:15 p.m., 200 Orange Hall.

**International Studies in Planning**  
"Household vs. Village Level Approaches to Natural Resources Development in the West African Sahel: Perspectives from the Private Voluntary Organization," Remko Vonk, CARE, Feb. 8, 12:15 p.m., 115 Tjaden Hall.

**Islamic Education & Cultural Association**  
"Religion is as Rational as Physics," Norman Kretzmann, philosophy, Feb. 9, 3 p.m., Founders Room, Anabel Taylor Hall.

**Neurobiology & Behavior**  
"The Insect Sodium Channel in Insecticide Action and Resistance," Douglas C. Knipple, Entomology, Geneva, Feb. 7, 12:30 p.m., Morrison Seminar Room, Corson/Mudd Hall.  
"The Postembryonic Development of the Insect Nervous System," Ron Booker, neurobiology and behavior, Feb. 14, 12:30 p.m., Morrison Seminar Room, Corson/Mudd Hall.

**Ornithology**  
"Sex, Site Fidelity and Sex in Bobolinks," Tom Gavin, natural resources, Feb. 11, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

**Peace Studies Program**  
"Beyond Normativity: International Implementations of Human Rights," Stephen J. Tope, McGill University, Feb. 7, 12:15 p.m., 119 Olin Hall.

**Physiology & Anatomy**  
"Growth Factor Regulation of Cartilage," Steve Trippel, Harvard Medical School, Feb. 12, 4:30 p.m., G-3 Vet Research Tower.

**Plant Biology**  
"Expression of a Brassica S-Gene Promoter in Transgenic Plants," Mary Thorsness, plant biology, Feb. 8, 11:15 a.m., 404 Plant Science Building.

**Plant Pathology**  
"Root Knot Nematodes in Colombia: Specific Damage and Host Resistance," Barbara Kistner, Feb. 12, 4:30 p.m., 404 Plant Science Building.  
"Biochemistry and Plant Disease Control," P. Koeller, plant pathology, Feb. 13, 3 p.m., Barton Laboratory, Geneva.

**Program on Social Analysis of Environmental Change**  
"Household vs. Village Level Approaches

to Natural Resources Development in the West African Sahel: Perspectives from the Private Voluntary Organization," Remko Vonk, CARE, Feb. 8, 12:15 p.m., 115 Tjaden Hall.

**Psychology**  
"Combinators and Grammars III: Natural Language Processing in Context," Mark Steedman, University of Pennsylvania, Feb. 8, 3:30 p.m., 202 Uris Hall.

**Science, Technology & Society**  
"Targeting National Needs: New Directions for Science and Technology Policy," Michael Black, New Jersey Institute of Technology, Feb. 11, 12:15 p.m., 609 Clark Hall.

**South Asia Program**  
"Principles for Sustainable Development: Lessons from Ladakh," Helena Norberg-Hodge, The Ladakh Project, Berkeley, Feb. 7, 12:15 p.m., 153 Uris Hall.

**Southeast Asia Program**  
"Public Monuments in the Philippines," B.R. Anderson, government, Feb. 7, 12:20 p.m., 102 West Ave. Extension.  
"Current Issues in Indonesian Literature," Budi Darma, Indiana University, Feb. 14, 12:20 p.m., 102 West Ave. Extension.

**Textiles & Apparel**  
"The Royal Purple and the Biblical Blue," Roald Hoffmann, chemistry, Feb. 7, 12:20 p.m., 317 Van Rensselaer Hall.

**Theoretical & Applied Mechanics**  
"Robots, Marching and How to Walk in Your Sleep," T. McGeer, Aurora Flight Sciences, Alexandria, Va., Feb. 13, 4:30 p.m., 205 Thurston Hall.

**Toxicology**  
"How an Insect Survives an Insecticide," Geoffrey Wheelock, entomology, Feb. 8, 12:20 p.m., 14 Fernow Hall.

**Western Societies Program**  
"Flanders Between 1845 and 1855: The Last Hunger Crisis in Western Europe?" Peter Scholliers, University of Brussels, Feb. 11, 4:30 p.m., 366 McGraw Hall.

**Women's Studies Program**  
"Schlafly Phenomenon," Sheila Tobias, independent scholar, founder of women's studies program, Feb. 13, 12:05 p.m., 394 Uris Hall.

**SPORTS**

*Home contests only*  
**Friday, 2/8**  
Men's JV Basketball, Ithaca College JV, 3 p.m.  
Men's Basketball, Princeton, 6:30 p.m.  
Men's Hockey, Dartmouth, 7:30 p.m.  
Women's Polo, Virginia, 7:30 p.m.

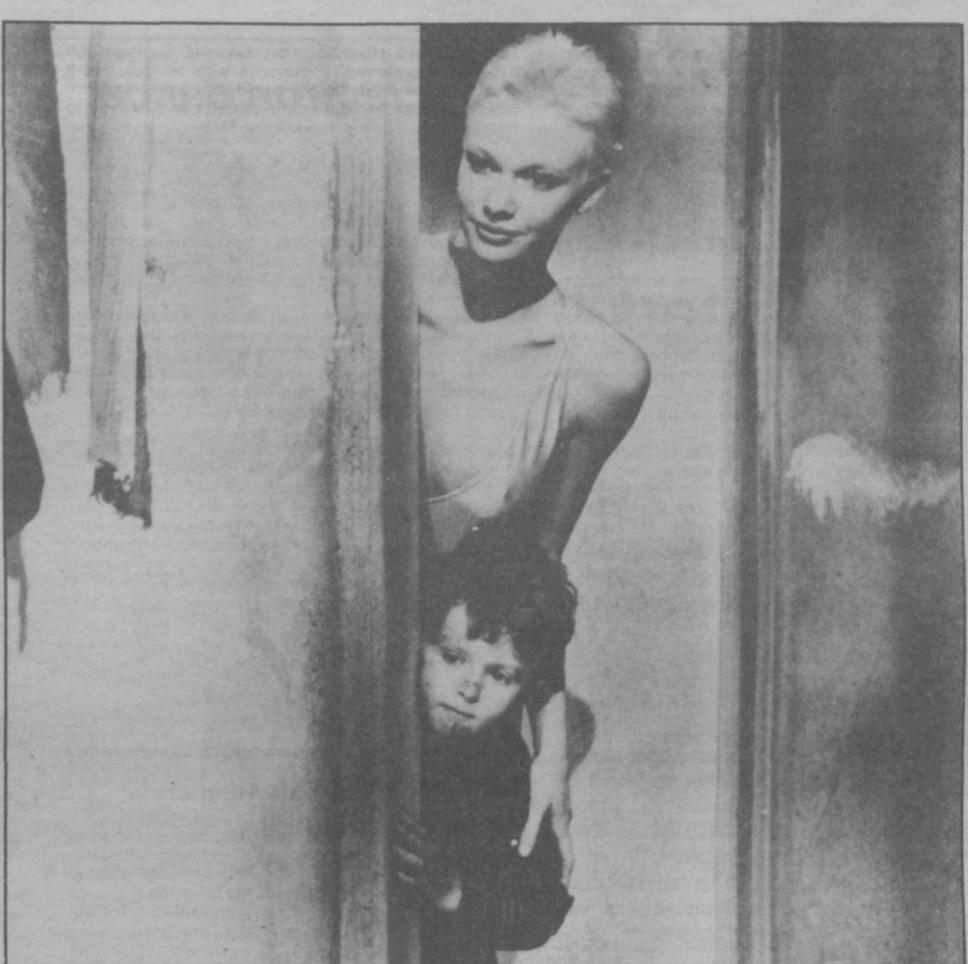
**Saturday, 2/9**  
Men's Gymnastics, Radford and Vermont, 1 p.m.  
Women's Gymnastics, Vermont, 1 p.m.  
Men's JV Basketball, Oneonta JV, 2 p.m.  
Men's Basketball, Pennsylvania, 6:30 p.m.  
Men's Hockey, Harvard, 7:30 p.m.  
Men's Polo, Virginia, 8:15 p.m.

**SYMPOSIUM**

**Romance Studies**  
"Discourse & Community," a two-day conference: "Post-Colonial Literatures: Plotting Identities," co-sponsored by Latin American Studies Program; session 1, Feb. 15, 2:30 to 6:30 p.m.; sessions 2, 3, 4, Feb. 16, 9 a.m. to 6 p.m. For schedule and information call 255-4086.

**THEATER**

**Department of Theatre Arts**  
The Department of Theatre Arts will present Caryl Churchill's play, "Vinegar Tom," Feb. 7, 8, 13, 14 and 15 at 8 p.m. and Feb. 9 and 16 at 5 and 9 p.m. in the Class of '56 Flexible Theatre at the Center for Theatre Arts. The production is directed by visiting artist Penny Metropulos.



Heidi Komarek and Federico Rizzo star in the Italian spoof, "The Icicle Thief," written and directed by Maurizio Nichetti. Check the Films listing for days and times.

**MISC.**

**Activities related to Gulf war**  
A crisis-support group for students will meet Wednesdays from 3:30 to 5 p.m. Call 255-5208 for further information and to join.

**Caregivers' Support Group**  
Group will meet on Feb. 12, 11:30 a.m. to 1 p.m. in NG-10 Martha Van Rensselaer Hall.

**Cornell Information Technologies**  
A Multimedia Seminar Series will be held on a variety of multimedia-related topics beginning with "IBM Advanced Academic System," with instructor Joe Melino, IBM, Feb. 8, 12:30 to 2 p.m. in 100 Caldwell Hall. Further seminars will be held on March 7, April 4, April 18 and 25. For more information, contact CIT Service HelpDesk, 212 Computing and Communications Center, or call 255-8990.

**Cornell Ju-Jitsu Kai**  
Kodenkan, Dan Zan Ryu Ju-Jitsu: the practice of self-protection with or without weapons, will be held Tuesdays and Thursdays, 7 to 9 p.m., and Saturdays, 12:30 to 3 p.m., in the wrestling room, Teagle Hall. For information, call Roy at 255-2088.

**Cornell Nursery School**  
Applications for 1991-92 are now available by calling 255-3074. Openings for 5 days a week, morning or afternoon, for children three years of age before Dec. 1, 1990. Further information, call Donna Dempster-McClain, 257-5872.

**Cornell Potshop**  
Classes start the week of Feb. 9 in Willard Straight Hall. For more information, call 255-5170.

**CUSLAR**  
The Committee on U.S.-Latin American Relations will hold a business meeting and discuss recent events in Latin America, Mondays, 5:15 p.m., Commons Coffeehouse, Anabel Taylor Hall. For more information, call 255-7293.

**Dalai Lama Visit**  
As a preparation for the upcoming visit of the Dalai Lama on March 25 to 27, CRESA and the Asian Studies Program are co-sponsoring five Monday afternoon presentations on the Dalai Lama, culture of Tibet and the philosophy of Tibetan Buddhism. The first session will be a slide lecture on Tibet, its culture and the Dalai Lama on Feb. 11, 4:30 p.m. in G-08 Uris Hall.

**EarthYear 1990**  
"Decade of Destruction" and "Environment Under Fire" will be presented as part of an environmental documentary video series in conjunction with the Johnson Museum's environmental art exhibition, "New York State Artists IX: Mes-

sage To The Future," on Feb. 13, 3:30 to 5 p.m. on the 6th Floor of the Johnson Museum. Presented by Nucleo Verde, these two videos document the effects war in Central America have had on the environment.

**Learning Skills Center**  
Exam preparation workshop, Monday, Feb. 11, at 4:30 p.m.; exam strategies workshop, Wednesday, Feb. 13, at 4:30 p.m., both in 237 Sage Hall. Study survival skills walk-in service; free help with study problems, Tuesday or Thursday from 3 to 4:30 p.m., 235 Sage Hall.

**Personal Education Workshops**  
Topics include assertiveness; building self-esteem; building satisfying relationships; gay/bisexual, a men's support group; stress management; women, food and self-esteem; lesbian/bisexual, a women's support group; life planning and self-concept; support group for issues of sexual identity; support group for gay male relationships; chronic fatigue syndrome support group; issue of race among Hispanics; therapy group for lesbian, gay and bisexual persons. All groups are free and confidential. Sign up 9 a.m. to 4:30 p.m. in 103 Barnes Hall.

**Plantations Workshop**  
Register now for winter programs: Winter Walks, Feb. 10; Culinary Herbs, Feb. 28; Everything You Need to Know About Soil, March 6; and Garden "Bones," March 7. Call 255-3020 for a free brochure and registration information.

**T'ai Chi Chuan**  
Ancient Chinese exercise for health, relaxation, meditation and self-defense starts Feb. 4, Mondays and Thursdays, from 5 to 6 p.m., Edwards Room, Anabel Taylor Hall. Wear loose, comfortable clothing and soft, flat shoes. Register at first class. Sponsored by CRESA. For more information, call Kati Hanna at 272-3972 or 255-6486.

**Tae Kwon Do**  
Self-defense open to beginners of all ages. Women are strongly encouraged. Classes will be held Sundays, 7 to 8 p.m.; Monday through Thursday, 6 to 7 p.m. For more information, call Sandy at 255-7923 or 272-5766.

**Transcendental Meditation Club**  
Learn how to gain better health and increased learning ability, 7:30 p.m., Feb. 5, 112 Ives Hall and 7:30 p.m., Feb. 6, 118 Ives Hall. For further information call 272-2646.

**Writing Workshop**  
Writing workshop walk-in service; free tutorial instruction in writing. Monday through Thursday, 3:30 to 5:30 p.m. and 7 to 10 p.m., 178 Rockefeller Hall; Sunday 2 to 8 p.m., 178 Rockefeller Hall; Sunday through Thursday, 10 p.m. to midnight, 340 Goldwin Smith Hall; Sunday through Thursday, 8 to 11 p.m., Clara Dickson Macintosh Computer Room; Sunday through Thursday, 8 to 11 p.m., First Floor-South, Noyes Center.

## Mirror-image anesthetic molecules separated

Cornell chemists have found a way to separate the right- and left-handed, mirror-image molecular forms of three widely used volatile anesthetics — the first step in producing potentially safer agents.

Physicians have long known that mirror-image forms of beneficial drugs such as thalidomide, could produce adverse reactions, but they do not know whether this is the case for surgical patients receiving inhalational anesthetics.

The scientists reported in the Feb. 1 issue of *Science* that they have used a special technique of gas chromatography to separate small amounts of the mirror-image forms of halothane, enflurane and isoflurane. The separations are the work of Jerrold Meinwald, William R. Thompson, Douglas L. Pearson, Wifried A. Konig, T. Runge and Wittko Francke.

Until now, the three anesthetics have been available to medicine only as "racemic mixtures," (that is, mixtures of equal amounts of the right- and left-handed forms), and it is these mixtures that are routinely administered to patients. Compounds such as these, which differ only in their three-dimensional shapes, are called "stereoisomers."

Meinwald, a professor of chemistry and leader of the analysis effort, said that the experiments were directed at a fundamental issue: "Do the stereoisomers of halothane — or the other anesthetics — differ from one another in either efficacy, metabolic profile, or side effects. To answer this question, we needed a way to make the pure stereoisomers and to determine their purity," he said.

The separation technique initially was developed to monitor the success of the Meinwald group's efforts to synthesize these stereochemically pure anesthetics. In fact, the new analytical method has demonstrated the success of the halothane and enflurane syntheses carried out by Pearson and by David Richardson, also of Cornell.

However, the chromatographic separation is only one step in answering an important human-health question, Meinwald said. "We want to know, Is one stereoisomer safer than the other? There is still no way to answer that, since only gram quantities were synthesized, and several hundreds of grams will be needed for proper medical evaluation."

Cornell has applied for patents on processes for synthesizing stereoisomers of two of the anesthetics, halothane and enflurane. The manufacturer of isoflurane, Anaquest Corp., which helped fund the research, has also filed for patent protection on a synthesis technique for that drug's stereoisomers.

The possible dangers of mirror-image drugs became a medical concern in the early 1960s, when babies born to mothers who were using a new, supposedly safe tranquilizer, thalidomide, developed severe birth defects. The birth defects were traced to the left-handed form of the drug, and thalidomide, a racemic mixture, was withdrawn from the market.

Thompson, an M.D., Ph.D. and former student of Meinwald's, is chief of anesthesiology at Houston's Park Plaza Hospital. He was concerned over how little study had been done of possible ill effects of the commonly used mixtures of right- and left-handed forms of inhalation anesthetics routinely used in surgery.

"The general anesthetics we use today are the safest ever available," Thompson emphasized. "They are volatile but non-combustible, they're stable and potent and minimally toxic, and most surgical procedures would be impossible without them."

"However, we still don't know enough about the way inhalation anesthetics work on a molecular level, about how the molecules of these organic fluorides interact with nerve membranes to depress the nervous system," Thompson said.

"If such interactions are stereoselective, then these racemic mixtures, although chemically pure, may in fact be biologically impure."

The studies were funded by the National Institutes of Health and by Anaquest Corp.

—Roger Segelken

## Electron dance



Tim Moersh

Graduate student Peter Bagley works at the control panel of the Wilson Synchrotron Laboratory, where positrons and electrons are forced to collide at high energies to help physicists understand the forces of nature.

## Cornell implements new federal lab standard

The university's Office of Environmental Health has implemented a chemical-hygiene plan to meet requirements of a new federal standard that aims to protect employees who use hazardous chemicals in laboratories.

OSHA, the federal Occupational Safety and Health Administration, set Jan. 31 as the deadline for meeting the laboratory standard. A major requirement of the standard was development of a chemical-hygiene plan to promote health and safety in laboratory work places.

At Cornell, the standard directly affects several thousand faculty and staff members who routinely work in laboratories. Others possibly affected may include students, maintenance workers, custodians and office workers who, at times, may work in laboratories.

"Many of the provisions in our chemical-hygiene plan were already in place at Cornell," said Jim Grieger, senior environmental hygienist and recently appointed chemical hygiene officer in the Cornell Office of Environmental Health. "To meet the

OSHA standard, we assembled all the procedures in the plan and placed copies in every university department with laboratories, and coordinated the inspection of all laboratory fume hoods on campus."

Fume hoods, which capture and remove airborne materials, are one of the primary safety controls found in laboratories. For the initial fume-hood survey, fume hoods were inspected, tested and labeled. Fume hoods that were not operating properly were tagged with warning labels and will be repaired, he said. From now on, all fume hoods will be tested on an annual basis, Grieger added.

In addition to the 53-page chemical-hygiene plan, brief summaries of the plan and a poster that lists informational resources have been provided for every laboratory space on campus.

The plan contains details on safe operating procedures for the use and disposal of chemicals, a section on basic toxicology, directions for the use of fume hoods and other protective equipment, lists of chemicals that include carcinogens and incompat-

ible chemicals, information on lab safety training programs, as well as provisions for medical consultations and exams.

"We urge employees and researchers to become familiar with the new OSHA laboratory standard and with the Chemical Hygiene Plan, and to utilize the training and information that is available," said Robin A. Goodloe, training coordinator at the Office of Environmental Health. Laboratory workers are encouraged to attend a training program on the new lab standard which will be offered in coming months. The following have been scheduled so far: Wednesday, Feb. 13, 1:30 p.m. in 165 Olin Hall; Friday, Feb. 15, 1:30 p.m. in A-106 Corson; Wednesday, Feb. 20, 9 a.m. in 404 Plant Science; Wednesday, Feb. 20, 1:30 p.m. in G-3 Vet Research Tower; and Thursday, Feb. 21, 3:30 p.m. in Boyce Thompson Auditorium.

More information on the laboratory standard is available from departmental safety representatives or from the Office of Environmental Health at 255-4862.

—Roger Segelken

## Anti-apartheid leader, historian to lecture here

### Activist Morobe

Murphy Morobe, a former political prisoner in South Africa and spokesman for the United Democratic Front, the principal anti-apartheid organization when the African National Congress was banned, will speak at Cornell and Ithaca College on Wednesday, Feb. 13, as part of the two institutions' celebrations of Black History Month.

Now a fellow at Princeton University's Woodrow Wilson School for Public and International Affairs, Morobe continues to serve as publicity secretary for the United Democratic Front in its struggle against apartheid in South Africa.

Morobe was one of three South Africans who escaped from prison in 1988 and took refuge in the American Consulate in Johannesburg for more than a month, provoking a short-lived crisis in South African-U.S. relations. He first was detained for his involvement in the June 16, 1976, Soweto uprisings and was held in Robben Island Prison from 1979 to 1982.

In Ithaca on Feb. 13, Morobe will deliver two lectures and meet with the public. His schedule that day:

• Speaking on "The Anti-Apartheid Struggle and the Prospect for Non-Racial

Democracy in South Africa" at 12:15 p.m. in Room 250 of Caldwell Hall.

• Speaking on "Negotiation and Prospect for Resolution of the South African Conflict" at 4 p.m. in Textor 102 at Ithaca College.

• Available to meet with interested individuals and organizations from 9 to 10:30 a.m. in the Hoyt Fuller Lounge of the Africana Studies and Research Center, 310 Triphammer Road.

The Ithaca Coalition Against Apartheid, a new organization that includes members from Cornell and Ithaca College, arranged Morobe's visit.

—Albert E. Kaff

### Scholar Gruen

Historian Erich S. Gruen will give the annual Townsend Lectures at in February, March and April on the subject of "Culture and National Identity in Mid-Republican Rome."

Gruen will lecture at 4:30 p.m. on consecutive Tuesdays, Feb. 12 through April 2, with the exception of March 19 when the university will be on spring recess. The first six lectures will be held in Hollis E. Cornell Auditorium in Goldwin Smith Hall;

the final lecture will be held in Kaufmann Auditorium in Goldwin Smith Hall.

The themes of Gruen's seven talks will be "The Making of the Trojan Legend," "Cato and Hellenism," "Art and Civic Life," "Art and Ideology," "The Theater and Political Culture," "The Appeal of Hellas" and "Culture, Society and Satire."

Gruen will also conduct a seminar for graduate students during his stay on campus as the Townsend Lecturer. His lectures will be published by the Cornell University Press in the Cornell Studies in Classical Philology series.

The Townsend Lectureship was established in 1985 by the Department of Classics with a bequest from the late Mrs. Prescott Townsend, a long-time benefactor of Cornell. Her gifts were made in memory of her late husband, a member of the Cornell Class of 1916.

Gruen, a professor at the University of California at Berkeley, is author of "Roman Politics and the Criminal Courts, 149-78 B.C.," "The Image of Rome," "Imperialism in the Roman Republic," "The Roman Republic," "The Last Generation of the Roman Republic," "The Hellenistic World and the Coming of Rome" and "Studies in Greek Culture and Roman Policy."

—Carole Stone

# CU's Hu Shih was father of Chinese literary renaissance

The pledge by Cornell alumni in Taiwan to raise \$1 million for a professorship in honor of Hu Shih resurrects a claim that has been made repeatedly since the 1920s — that Hu, often referred to as the father of the Chinese literary renaissance, is Cornell's most distinguished graduate.

An article on the 1914 Cornell graduate in Encyclopedia Britannica capsulizes his life this way:

"Chinese Nationalist diplomat and scholar, important leader of Chinese thought who helped establish the vernacular as the official written language (1922). He was also an influential propagator of American pragmatic methodology as well as the foremost political liberal in republican China, advocating building a new country not through political revolution but through mass Chinese education."

Hu was revered for decades by the Chinese people before and after the Communist takeover and remains a household word in Taiwan, which issued a stamp in his honor late last year. While his name was taboo in the People's Republic of China for decades, his substantial contributions to the history of China have been increasingly recognized publicly by scholars there for the past 10 years.

The centerpiece of the Hu Shih legend at Cornell is the statement attributed to one of the university's most respected English professors, Martin W. Sampson, who is quoted as saying: "If in 2,000 years Cornell should cease to exist, it may well be remembered as the place that educated Hu Shih." Sampson made that assessment when Hu was still in his 30s.

The origin of the legend can be found in Morris Bishop's "A History of Cornell." According to Bishop, "There was an historic event in the summer of 1915. Some Chinese students went canoeing on Cayuga Lake. A squall came up; a girl student was soaked. The party landed, built a fire and dried out her clothes. Hoong C. Zen '16 celebrated the adventure in a poem; Hu Shih '14 criticized its traditional poetic diction.

"A controversy started which grew and spread until it became a literary revolution in China, with Hu Shih, professor of philosophy at the University of Peking [several years after the incident], at its head . . . he imposed on China the use of the vernacular as a literary language and thus bridged the chasm between the scholars and the mass."

The move from classical Chinese to the vernacular has been compared to changing from Latin to English.

While Bishop seems to imply that the movement began with the event at Cornell, seeds of the literary renaissance in China were sown in the 1890s. Hu's reaction to Zen's poem served to catapult the movement to its successful result in 1922.

Min-Chih Chou, curator of Cornell's Wason Collection, describes Hu Shih's pivotal but not exclusive role in China's literary renaissance in his 1984 book, "Hu Shih and Intellectual Choice in Modern China."

Undoubtedly the mark of Hu Shih's greatness is not only in the widespread adoration he enjoyed but also in the attacks he received from both the right and the left.

On the title page of one of the two volumes of the book in the Wason collection is the neatly penciled but anonymous comment above Hu's name: "A bourgeois idealist who worked for the Warlords."

That echo of attacks from the left on Hu can be placed alongside similar attacks from the right. Writing in the New York Sun in 1942, columnist George E. Sokolsky



David Lynch-Benjamin

Tsu-Lin Mei, professor of Chinese literature and philosophy, sits with the first-day folder and postage stamps in Hu Shih's honor issued in Taiwan last year. The photograph of Hu Shih was used to design the stamp.

pointed out:

"Hu Shih and Chiang Kai-shek [leader of the Nationalist forces, who were driven from China by the Communists in 1949] have not always been on good terms. In fact, Hu disliked politicians and particularly those who combined politics and militarism. Chiang was on the rise and China is an Oriental country where the will of the powerful is not too often curable by the law. He believed that Chiang was usurping power and was using means to an end which were justified neither by the law nor by the ethics of his people.

"Chiang issued a warrant for Hu's arrest which was never executed, and the young Kuomintang leaders in Chiang's entourage ridiculed the philosopher by suggesting he talked big but hid behind the bayonets of the British troops. . . . He (Hu) thereupon issued an advertisement announcing exactly when he would be at a place called Woosung, which was indisputably Chinese territory and where there were no British bayonets. He asked them to meet him there and to arrest him. Nobody dared."

Nonetheless, Chiang named Hu Chinese Ambassador to the United States in 1938, a post he held until 1942. He also served as a Chinese delegate to the formation of the United Nations at San Francisco in 1945.

After earning a bachelor of philosophy degree from Cornell in 1914 he stayed in Ithaca as a graduate student for another year before becoming a doctoral student under John

Dewey at Columbia. Hu returned to China in 1917 to teach philosophy in the Peking National University and lead the literary renaissance that inspired the nation for nearly two decades until the Japanese invasion in 1937.

When he left Cornell for Columbia, Hu wrote in his diary that it would not be an overstatement to call Ithaca his "first home. . . . Ithaca's streams, gorges, mentors and friends are vivid in my mind. These five years are the most important period in my life. The friends I have made, the treatment I have received, the people I have met, the experiences I have had, and the knowledge I have acquired are the results of my own efforts and fortune, which cannot be compared with the externally imposed concept of native identity and which certainly will have a greater influence on my future than my childhood experiences. What is more moving is that the folks of Ithaca never took me as an outsider. Though not one of its citizens, I had the opportunity to observe its social and political events, customs, religious practices, the strengths and deficiencies of its educational system. Because of all these, I regard myself as a member of the Ithaca community. Now I am parting it, how can I not be amorous?"

During the '30s, '40s and '50s Hu often returned to the Ithaca campus. Hu's son, Tsu-wang, is a 1942 graduate of Cornell; his grandson, Fu Victor, graduated in 1978.

— Martin B. Stiles

## Park Won Kyu

# Korean professor sees positive messages in student protests

Professor Park Won Kyu, a Cornell alumnus, finds it difficult to object when his students leave class to demonstrate on the streets against South Korea's government.

"After all, I was a demonstrator when I was an undergraduate in Seoul National University back in the 1970s," the Cornell Ph.D. said in an interview during a Chinese dinner in Seoul's Hotel Shilla. "All I do is to tell them not to be too violent."

For years, Korean university students have battled police with rocks and fire bombs to press their demands.

"Our students are concerned about the inequitable distribution of wealth in our country, inflation and unemployment, and they believe that President Roh Tae Woo's government has inherited some of the evils of the previous government although we are moving towards greater democracy," Park said. "Although I believe that they are in the minority, some of our students contend that our unification with North Korea would be easier if U.S. troops were kicked out of South Korea.

"Inside the shouting of the students, there is some truth. The students bring social problems to public attention, and I can not say that student views are 100 percent negative."

Park said students report in advance to their professors when they are going on the street, and they say that no classes can be held that day. The system copes. "We hold makeup classes for days missed during student demonstrations, which usually occur no more than once a month or once every two months," Park said.



Albert E. Kaff

Park Won Kyu

Park, 40, earned his M.B.A. in the Johnson Graduate School of Management in 1980 and remained in Ithaca with his wife for five years while working on his Ph.D. in economics, specializing in industrial organization. Their two sons were born in Tompkins Community Hospital.

He teaches managerial economics, corporate finance and principles of economics

to undergraduates in Seoul's private Kyung Hee University, and he offers a course in industrial organization to graduate students.

In 1990, Park wrote a long, illustrated article describing Cornell's academic programs. His article was published in the Korean-language magazine, "Higher Education," which circulates to university communities in South Korea.

After receiving his bachelor's degree in business administration in Seoul, Park was accepted for advance study by the Johnson School, the University of Michigan's business school and the economics department at the University of Wisconsin.

Before selecting the Johnson School, he compared those universities with information from school friends who were studying at Cornell and Michigan.

"Korean students are much better informed on American universities than they were several years ago," he said. "In earlier years, an Ivy League school was preferred if other conditions were the same. But today, we know the relative strengths of individual departments. Now, a student accepted by Harvard, for example, would be asked, 'In what department?'"

Kyung Hee University enrolls about 25,000 students, including 200 students in the business school where Park teaches. He said that Korea's private universities receive 50 percent to 70 percent of their income from tuition, compared with what he said was an average of 30 percent in American universities.

"Alumni giving to Korean universities is weak, almost nothing," he said. "Private

universities operate businesses to support their programs, mainly hospitals. Some universities own department stores and even hotels as sources of revenue."

Funded by the government, Seoul National University conducts the only Ph.D. programs in Korea that could be compared with doctoral studies in the United States, Park said.

"If our students want to do serious graduate studies, they go abroad, mostly to the United States," he said. "When they return home and look for a teaching job, they find that not many positions are available. Our faculties are saying that if Korean universities had good faculties and facilities, our students would not have to go abroad. But that is just a hope, because we lack necessary resources to develop our programs."

He said the Korean government is more inclined to send students overseas to study science and engineering rather than social science or business disciplines.

Park's father owns an export-import company that trades with Japan, Hong Kong and other areas.

"When I returned home from Cornell and joined the Kyung Hee faculty, my father told me that he knew that Korean professors do not earn a lot of money, and he said I should come to him if I needed any help," Park said.

"One day, I asked my father for some money. He looked at me and asked, 'Doesn't that university pay you a salary?'"

— Albert E. Kaff

**John W. Kelley**

## New state Extension forester is a teacher, promoter, researcher

When John W. Kelley isn't teaching forest management to Cornell undergraduates or directing sugar-maple research at Lake Placid or the Arnot Forest, he's probably out promoting the restoration of the American chestnut tree.

As Cornell Cooperative Extension's recently appointed New York state extension forester, Kelley adds one more hat to many worn in a long career dedicated to forest science. He replaces James Lasoie, who had held the position since 1976.

Targeting New York's 500,000 non-industrial,

*More than 61 percent of New York state's land area is covered by forest, 94 percent of that is privately owned.*

private owners of woodlands, Kelley's extension education program includes teaching them how to selectively thin a forest to improve the quality of the remaining trees, and when and how to harvest the mature trees in order to provide a continual yield of forest products.

More than 61 percent of New York's land is covered by forest, 94 percent of that is privately owned. Forest cover was reduced to under 25 percent by 1900, after original forests had been cleared for settlement. The increase since then is the result of new growth after abandonment of agricultural lands.

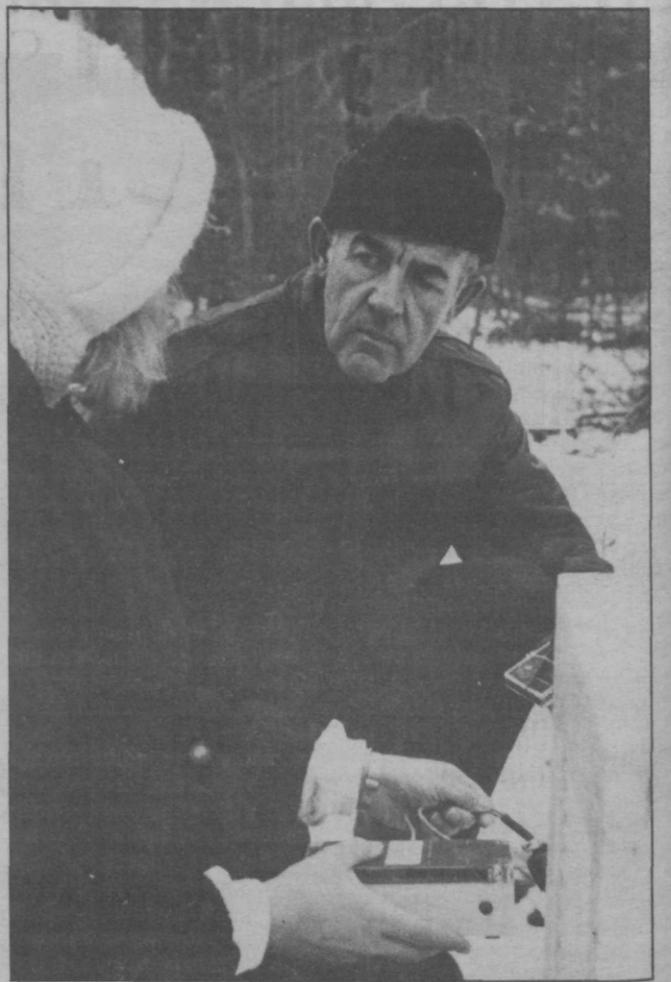
Kelley, a professor in the Department of Natural Resources within the College of Agriculture and Life Sciences, is director of the Arnot Forest, Cornell's 4,000-acre teaching and research area just south of Cayuga Lake. He is also director of the Uihlein Sugar Maple Research-Extension Field Station at Lake Placid.

From 1975 to 1985 he was the cooperative extension leader for the Department of Natural Resources, overseeing an era of expansion in all areas of education and outreach, with special emphasis on wildlife and youth education. He is also a hunter and a commercial pilot and produces timber, fuel wood, Christmas trees and maple syrup from his own 35-acre woodlot.

Kelley is a director of the New York chapter of the American Chestnut Foundation, dedicated to restoring the American chestnut tree, once abundant in the Eastern United States but eliminated by a blight at the turn of the century. Among other restoration efforts, the group is engaged in research aimed at hybridizing the tree with a Chinese variety that has natural resistance to the blight, Kelley says.

Established in 1898, Cornell's was the first four-year college of forestry in the nation. Fiscal problems led to its closing in 1903, but in 1911 forestry education re-emerged along with extension and outreach programs within a new Department of Forestry. Today four faculty members in the Natural Resources Department specialize in forest science and management and various aspects of forestry.

—Kitty Mattes



David Lynch-Benjamin

John Kelley talks with a student about setting up a weather station in Arnot Forest.

## Student-family housing plans to begin municipal review soon

Cornell's plans for additional student-family housing will be presented to the Ithaca Town Planning Board as early as mid-March, according to William P. Paleen, director of residence life.

Pending municipal approvals, Cornell will add 92 apartments and renovate the existing 246 units at its Hasbrouck Apartments complex on North Campus. The \$19 million project would be carried out in two phases over the next two years, Paleen explained, and should be completed by fall 1993.

The increased capacity at Hasbrouck will be greater than the number of units for student families who now live in the Pleasant Grove complex across the road from Hasbrouck. Eventually, Paleen explained, the university expects to replace the Pleasant Grove units with new undergraduate housing.

Student families on North Campus are being assured the use of the Pleasant Grove Apartments through July 1993, one year longer than originally anticipated, according to Paleen. "This and the phasing of the

Hasbrouck project should relieve some of the pressure on Hasbrouck and Pleasant Grove families, some of whom would have been seeking housing elsewhere in the community beginning this summer."

Larry I. Palmer, vice president for academic programs and campus affairs, said the one-year extension was announced to Hasbrouck and Pleasant Grove residents Jan. 31.

Plans for the Hasbrouck addition began in 1989 when a consultant met with residents to gather comments on their special needs. Common areas for meetings and special programs were among needs identified by the residents.

The project includes creating a third floor with one-bedroom and efficiency apartments on some of the existing buildings. Renovations and changes include new insulation, energy-efficient windows, electric-service upgrades, a community center, play areas for children, recreational facilities, storage spaces and site improvements.

Paleen said the renovations will provide "a new and improved sense of community"

for the two-story Hasbrouck complex, which was built 30 years ago.

A sketch plan was presented to the town planning board Jan. 15. The next meeting with the town planning board is scheduled for March 19.

In addition to meeting with residents and town officials, university administrators have discussed the plans with representatives of nearby Cayuga Heights, Cornell Heights and Forest Home.

"The Hasbrouck project is another step toward Cornell's goal of improving its campus-housing inventory," Palmer said.

In fall 1989, Cornell officials issued the findings of a consultant's one-year study of campus housing needs. Cresap, a Washington, D.C., firm, conducted about 900 interviews of current and former students, parents, trustees, local-government officials and Cornell faculty and staff before developing its 103-page report.

While the Cresap report was being developed, the university added 300 beds to its housing inventory with the construction of Maplewood Park, between Maple Ave-

nue and Mitchell Street in the town of Ithaca. About 300 single graduate students live in Maplewood, which also includes 90 units for graduate-student families. The 90 family units replaced 80 that had been at the former Cornell Quarters site since the mid-1940s.

Palmer has formed a campus group to help devise a pilot program for testing a residence-hall plan to better integrate academic and extracurricular life. The pilot project, probably to be tested on West Campus, would be evaluated prior to firm planning for further undergraduate housing, Palmer said.

"We are committed to continue providing our students with more than a place to sleep," Palmer emphasized. "Additional program support for educational and other activities in residence halls should enrich the experience of students."

The proposed Pleasant Grove project, for example, will be considered in the context of residential-college and dining-facility planning, including fiscal implications, he said.

### State budget *continued from page 1*

proposal, the 1991-92 undergraduate tuition for state residents at Cornell's state-supported colleges may have to be increased beyond the 6.1 percent rise, to \$6,310, that was reviewed with the trustees in January.

Fawcett emphasized, however, that any additional tuition increase would simply meet required payments to SUNY and would not be available to offset cuts in operating costs.

The Cuomo budget's overall impact on the state-assisted colleges — Agriculture and Life Sciences, Industrial and Labor Relations, Human Ecology and Veterinary Medicine — can be better grasped, perhaps, in relation to a baseline of general inflation, Fawcett said.

For the Cornell year that began July 1, 1990, state funds for the operating budgets of those colleges totaled \$118.4 million. Even though that total provided for virtually no new programs, it was cut by \$4.4 million before the year ended — down to a level of \$114 million.

Before Cuomo issued his Executive Budget, Cornell had requested an increase to a total of \$121.2 million next year — merely to cover inflationary increases — but Cuomo's recommended \$118.9 was \$2.3 million below that.

—Sam Segal

### Benazir Bhutto *continued from page 1*

father's conviction and visiting him in prison, where he asked her to carry on his mission of democracy, according to her book, "Daughter of the East." She inherited the leadership of his party, the People's Political Party.

Then, as she told her Bailey Hall audience, "I watched my own father executed on trumped-up political charges."

Bhutto herself went on to spend much of the next six years in jail — "invariably, in solitary confinement," she said — on charges of anti-government activities. In 1984, she left to seek medical care in England.

When she returned to bury a mysteriously poisoned brother in 1985, she was greeted by tens of thousands of supporters. That turnout, she has said, encouraged her to press on with her political objectives.

Bhutto challenged Zia to hold elections and launched a campaign that demonstrated an "ability to draw crowds like no one else in the country's short history," according to a New York Times report.

In August 1988, Zia was killed in a mysterious helicopter crash, and Bhutto later triumphed in elections.

But then last August — 20 months after she was elected — Bhutto was suddenly ousted from office, accused of corruption

and nepotism.

She refuted the charges, saying it was an effort to counter her democracy movement. She noted in her talks here that it occurred four days after Iraq's invasion of Kuwait. "The [anti-democracy] forces chose a day when the world was transfixed on the Middle East . . . and then a campaign of character assassination was launched," she said.

A caretaker prime minister was appointed, and new elections were scheduled. Bhutto entered herself as a candidate for reelection. But a high court upheld her dismissal, although the president had failed to substantiate corruption charges, according to news reports.

She was defeated in the October election and charged her opponent with casting some 6.5 million fraudulent votes. "That kind of fraud would have elected Michael Dukakis president of the United States," she quipped.

While questions from the Bailey Hall audience encouraged Bhutto to focus remarks on the Gulf War, the goal of her trip was to talk about Pakistan — particularly the little-known and long-disputed issue of Kashmir.

"She could never understand why Americans sympathized with so many [struggles worldwide], but thought Kashmir

was a sweater," said Mark Segal, a lobbyist with the International Public Strategy of Washington, D.C., which represents Bhutto's party in the United States.

India and Pakistan have disputed the border territory of Kashmir since the countries were partitioned in the 1940s. The Kashmiri, as are the citizens of Pakistan, are predominantly Muslim, but Kashmir is the home state of Jawaharlal Nehru, the first prime minister of independent India.

The U.N. Security Council called for a plebiscite to allow the Kashmiri to decide in which country they want to belong. But, according to Segal, Indian forces still occupy the area and refuse to permit a plebiscite to be held. There have been several clashes with Pakistani forces, most recently in 1990.

This volatile dispute, Bhutto said, has caused India and Pakistan to become "locked into a military arms race and an increasing danger of a nuclear-arms race."

She called on the international community to resolve the Kashmir dispute, along with the Palestinian question.

Bhutto's visit was organized by the student-run Cornell University Program Board and the Third World Student Program Board.

—Lisa Bennett

# CORNELL EMPLOYMENT NEWS

Including Job Opportunities

February 7, 1991

Volume 3, Number 4

## Fifth Annual Employee/Family Night at the Court Brings Out Last-Minute Attendance

OVER 1,600 EMPLOYEES and their families attended Employee/Family Night on Saturday, January 26, enjoying the chicken barbecue at Barton Hall before heading out to the basketball games in the Alberding Field House.

"This was a great turnout," said Dwight Widger, coordinator and employee trustee, "especially considering that as of Monday the 21st we had sold only 400 tickets. I think everyone had been focussed on the events in the Middle East, and didn't really think about Employee Night until it was practically upon us. It was great to see families come out to enjoy themselves, and we got numerous compliments on the chicken."

Cornell Recreation Club catered the event, with Versatile supplying the beverages.

It was a good night for Cornell basketball as well. Big Red beat Columbia in both games: 54-49, women's, and 74-65, men's.

Employee Night at the Court was sponsored by the employee-elected trustee, the Employee Assembly, the Department of Athletics and Physical Education, and the Office of Human Resources. Door prizes were drawn last week, and the winners have been notified. A list of the door prizes, their donors, and their winners will be published in *Networking*.



### CIT Workshops



Is this the time to upgrade your computing skills? Whether you want to learn more about the Macintosh, IBM, or Mainframes, we have a workshop that will increase your skills. CIT Workshops has courses in Excel, MS Word, WordPerfect, and many other applications. You can learn new skills that will help you achieve your career goals. For information call Lyn Derr at 255-4983 or the Service Help Desk at 255-8000 to invest in your future!



### FESTIVAL of BLACK GOSPEL

Friday, February 8

8:15 p.m.  
Concert, Bailey Hall (admission)  
Timothy Wright and the Concert Choir  
The Wade Sisters  
Lorraine Stancel

Saturday, February 9

11:00 a.m. - 3:00 p.m.  
Mass Choir Rehearsal, Bailey Hall

7:00 p.m.  
Mass Choir Concert, Bailey Hall (free)

Sunday, February 10

11:00 a.m.  
Sage Chapel Worship Service  
Sermon by The Reverend Leroy Gainey  
Professor of Theology  
Golden Gate Baptist Theological Seminary  
San Francisco, CA



## Disability Notebook

### Removing "Soft Barriers" to Accessibility: Looking at Office Layouts

by Arthur Stiers  
Senior Architect, Facilities Engineering

While the concrete and steel barriers are being systematically reduced and eliminated on campus, newer, often easily removable barriers have been created by persons who are not knowledgeable of policies or are being less than sensitive to the parameters within which the person with a mobility impairment must function. With the boom of new construction on campus has come an equally significant amount of renovations, alterations, redistribution of space and room reconfigurations. Quite literally the arrangement of our landscape, classrooms, lecture halls, labs, offices, and campus facilities has changed.

As some barriers are removed, sometimes other "soft barriers" may be created. Conscious effort must be made to ensure that a new wall, door, partition, or piece of equipment does not become a barrier, "trap," "box," or threat to the safe use of our environments. Facilities Engineering has an active program to review purchases of modular office furniture systems to ensure that new equipment can be utilized in a manner consistent with safety, accessibility, and regulatory guidelines. This review is done at no charge and is limited to initial layouts of proposed purchases of

equipment. Once this equipment is purchased, it is the responsibility of the user/purchaser to maintain configurations or reconfigurations of their equipment consistent with all policies and regulations.

#### Criteria for Eliminating "Soft Barriers"

Everyone can take steps to remove soft barriers within his or her immediate environment. Accessible paths to all parts of buildings should be maintained to provide unobstructed access and egress. Accessible paths include parking spaces, ramps, corridors, elevators, aisles, passageways and, yes, stairs. Bicycles shackled to handrails, cabinets in the corridors, boxes in the passageway, or a chair in the aisle are obstacles to us all and barriers to some.

In eliminating "soft barriers," one should remember that exits, aisles, doorways, and passageways to individual work stations require specific widths for different occupancies. The minimum passage width to a work station is 32 inches. Width restriction of a passage should be no longer than 24 inches in the direction of travel. Typically the

minimum width for general aisles should be 36 inches. In office occupancies secondary aisles should be maintained at 44 inches. For classroom/assembly occupancies the secondary aisles are to be held to 60 inches. Main aisles for office occupancies are 60 inches and, for classroom/assembly occupancies, 96 inches.

In all cases, nothing should be placed or installed to obscure or confuse exit doors, signs, or means of egress. The new modular office systems used to maximize the limited space on campus often become barriers when their efficiencies are abused. Simply, because the system can be installed in an area does not mean that it can be safely or effectively used. The basic clearances outlined are meant to make areas accessible and are needed to make areas useable.

Assuming an mobility-impaired individual can get out of a space that can be entered is often times erroneous. "Traps" and "boxes" are created when an impaired individual moves through a door or down an aisle in a wheelchair only to realize there is no place to turn around or to maneu-

Continued on page 4e

# JOB OPPORTUNITIES

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.

All external candidates must have a completed signed employment application on file with Staffing before they can be interviewed for a position.

Submit a resume and cover letter for each position, specifying the job title, department & job number. Employees should include an Employee Transfer Application.

### Technical Specialist (PT5206) Information Technologies-Endowed Posting Date: 2/7/91

Working with the CIT and Cornell-NSF mainframe IBM computers, design, implement, install, document, and maintain systems software and significant subsystems in VM-based systems. Provide leadership in designing and adapting functional enhancements to VM-based systems. Educate and assist users and CIT and Cornell-NSF staff. **Requirements:** Bachelor's with computer courses in operating system fundamentals or the equivalent. 3-5 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. Knowledge of other operating systems such as UNIX, MVS, and subsystems such as VMTAPE, VMBACKUP, and VMAM would be a plus. Send cover letter and resume to Sam Weeks.

### Area Supervisor (PT4916) Level 34 Cornell Information Technologies-Endowed Posting Date: 1/17/91

Manage and supervise all aspects of the Consumer Services Resale Operations. This includes the demonstration facility and order processing area. Serve as marketing contact for inventory management, special orders, and vendor concerns and problems. Develop customer service policies. Resolve customer problems.

**Requirements:** Bachelor's or equivalent experience with sales background and emphasis in supervision or area management. Experience with computer technology helpful. Excellent communication, interpersonal, problem solving, and writing skills. Ability to determine and set priorities. Send cover letter and resume to Sam Weeks.

### Area Supervisor (PT5006) Level 33 CIT/Network Resources-Endowed Posting Date: 1/24/91

Supervise the Network Operations center which is open 24 hours/day and 7 days/week. Advise on technical and procedural matters. Provide documentation on policies and procedures. Coordinate operational and maintenance activities within CIT and with Cornell departments and regional, national and international network facilities.

**Requirements:** Associate's in associated field or equivalent experience and/or relevant course work. Bachelor's preferred. 2-3 years with networks and network software with emphasis on TCP/IP and UNIX environments. Supervisory experience and understanding of network architecture, protocols, operations, and management issues are highly desired. Send cover letter & resume to Sam Weeks.

### Applications Programmer/Analyst Trainee (PT5104) Level 31 CIT/Resource Services-Endowed Posting Date: 1/31/91

Provide programming support for the computer accounting and billing system. Consult with faculty, staff and students concerning availability, appropriate use of multi-user systems. Ensure appropriate delivery of front line accounting services. Assist with design, development and delivery of monthly accounting reports. Training will be provided on the specialized Cornell application of ADABAS/Natural. **Requirements:** Associate's or equivalent with related computer courses, bachelor's desirable. 1-2 years of computing service delivery or related client support services. 1 year of programming and any experience with ADABAS/Natural useful. Send cover letter & resume to Sam Weeks.

### Conservation Specialist (PT5207) HRII Conservation-Endowed Posting Date: 2/7/91

Provide training and education programs, supported by the Andrew Mellon Foundation, in book conservation. Train, supervise and evaluate conservation technicians and apprentices in a unit providing book conservation, book repair and pre-shelf processing. Perform conservation treatment on rare and unique library materials. Participate in departmental planning and program development.

**Requirements:** Bachelor's in conservation, apprenticeship completion certification, or other verifiable certification of advanced training. Extensive knowledge of basic and manuscript conservation techniques. 3-5 years training, plus 2 years as trained craftspeople and some supervisory experience. Excellent interpersonal, oral and written communication skills. Ability to impart knowledge to others. Send cover letter and resume to Sam Weeks.

### Energy Engineer (PA5201) HRII Facilities Engineering-Endowed Posting Date: 2/7/91

Assist in the development, implementation and monitoring of energy related projects for a 12 million square foot university campus.

**Requirements:** Bachelor's in mechanical or electrical engineering or equivalent, Professional Engineer's license (P.E.) preferred. 3-5 years experience with HVAC systems, power distribution, or other energy related work. Cross discipline experience in building mechanical and electrical systems strongly preferred. Analytical skills and computer experience (spreadsheets analysis). Send cover letter and resume to Cynthia Smithbower.

### Director of Parents and Graduate Education Funds (PA5102) HRII University Development/Public Affairs-Endowed Posting Date: 1/31/91

The Director will perform tasks in the identification, cultivation, solicitation, and stewardship of parents of Cornell students who have the capacity to give between \$25,000 - \$1,000,000 to the University.

**Requirements:** Bachelor's or equivalent. At least 3 years development experience and work with the volunteer group organizations. Ability to communicate effectively and per-

suasively. Established writing skills. Successful gift solicitation experience and prospect management expertise are highly recommended. Basic knowledge of Planned Giving and mechanisms available at Cornell for making a gift of this nature to the University. Send cover letter and resume to Cynthia Smithbower.

### Senior Science Writer (PC4706) HRII University Relations/News Service-Endowed Posting Date: 1/24/91

To cover and write about the full range of work and life of the college of Agriculture and Life Sciences. Write for national press, campus and alumni publications. Keep abreast of research, undergraduate education and the life of the college of Agriculture and Life Sciences.

**Requirements:** Bachelor's or equivalent. Demonstrated excellence in explaining science clearly. 4-5 years related experience in science and journalism to suggest ability to work with researchers and make their work accessible to press and public. Cornell employees send employee transfer application, cover letter, resume, and writing sample to Esther Smith, Staffing Services, EHP. External applicants send cover letter, resume and writing sample to Esther Smith, Staffing Services, 160 Day Hall.

### Structural Engineer (PA4402) HRII Facilities Engineering-Endowed Posting Date: 11/8/90

Manage, organize and perform structural, architectural, and civil engineering design services for alterations and repairs to the University's Physical plant. Provide structural analysis in connection with designs of new projects and facilities and existing structures where needed.

**Requirements:** Bachelor's in Civil Engineering with a structures major equivalent. Professional Engineering (P.E.) license desirable. Minimum 3-5 years related experience, excellent interpersonal and communication skills, and valid drivers license. Must be able to access physically restricted spaces. Send cover letter & resume to Cynthia Smithbower.

### Mechanical Engineer (PA4403) HRII Facilities Engineering-Endowed Posting Date: 11/8/90

Manage design and construction of maintenance, repair, and alteration projects that relate to mechanical systems. **Requirements:** Bachelor's in Mechanical Engineering or equivalent. Professional Engineer's license desirable. 3-5 years experience as a mechanical engineer, demonstrated record of problem solving and innovations. Must be able to access physically restrictive areas. Send cover letter and resume to Cynthia Smithbower.

### Associate Dir., Minority Student Affairs (PA3406) HRII ILR-Student Services-Statutory Posting Date: 8/30/90

Responsible for student personnel services to minority students including recruitment, counseling, academic support services, student organizations advisor. Coordinate college-level activity with the university-wide programs for minority students. Student clientele not limited to minority group members.

**Requirements:** Degree in counseling, student personnel or related field or equivalent experience; Master's preferred. Minimum of 3 years experience in higher education as advisor/counselor for minority and nonminority students. Send resume and a letter of application listing salary expectations and names and phone numbers of 2 references to Cynthia Smithbower. Applications will be accepted until position is filled.

### Senior Research Support Specialist (PT4912) HRII Lab of Nuclear Studies-Endowed Posting Date: 1/17/91

Supervise operation, maintenance, and upgrading of the 1 MW 500 MHz Cornell Electron Storage Ring (CESR) Radio Frequency (RF) systems. Participate in R & D of superconducting RF cavities for application to high current storage rings. Provide advice on use and adaptation of RF equipment in specialized uses. Train technicians, grad students and researchers. Prepare reports, maintain records, and supervise maintenance of inventories of supplies.

**Requirements:** Master's in physics or engineering. At least 2 years of experience in RF, accelerator physics, or accelerator technology. Work with RF cavities and accelerator measurements; VMS and UNIX computer operating systems experience; and supervisory experience desirable. Send cover letter and resume to Sam Weeks.

### Policy Coordinator (PC5207) HRII University Audit Office-Endowed Posting Date: 2/7/91

The Policy Coordinator is responsible for writing policy documents, in the prescribed format, by converting and enhancing furnished administrative and financial policy and procedural materials into clear and understandable written communications.

**Requirements:** Bachelor's or equivalent. 1-3 years writing experience. Prior experience in policy writing desired. Strong working knowledge of Macintosh computers and micro-soft work. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

### Labor Relations Specialist (PA5204) HRII Office of Human Resources-Endowed Posting Date: 2/7/91

Provide assistance to the Director of Labor Relations in the administration of the University's labor agreements including grievance investigation and processing, contract interpretation and application; assist in all aspects of collective bargaining to include serving on University's bargaining team; develop contract language and prepare for arbitrations. Advise and counsel managers and supervisors on all labor issues.

**Requirements:** Bachelor's in Labor Relations or related field required. Minimum 3 years hands-on experience in a unionized environment. Experience in grievance handling, contract negotiations and administration. Proven ability to communication to a variety of constituents at all levels of the organization. Send cover letter and resume to Cynthia Smithbower.

### Farrier (PT5205) HRII Veterinary Medical Teaching Hospital-Statutory Posting Date: 2/7/91

Operate farriery. Provide all normal and corrective shoeing. Maintain records and equipment. Order supplies. Instruct veterinary and farrier students in horseshoeing and corrective hoof trimming methods. Assist in student

recruitment. Oversee and evaluate students. **Requirements:** HS diploma and specialized course in blacksmithing. Certification as a journeyman farrier is highly desirable. 8 years experience as a farrier. Send cover letter and resume to Sam Weeks.

### Membership Solicitation Program Coordinator (PA5203) HRII Public Affairs/Alumni Affairs-Endowed Posting Date: 2/7/91

Responsible for the Execution of the Membership Solicitation Program (MSP) which involves the creation, processing, and monitoring of dues letter publications for more than 80 alumni classes. Interacts with alumni volunteers, Cornell Alumni News staff, and Public Affairs staff.

**Requirements:** Bachelor's required. Good oral and written communication skills. Ability to direct and coordinate volunteers and their efforts. Strong organizational skills. Attention to detail. Excellent supervisory skills. Knowledge of Macintosh systems helpful. Send cover letter and resume to Cynthia Smithbower.

### Assistant Director (PA5101) HRII Career Center/Engineering Placement-Endowed Posting Date: 1/31/91

Assist director in the operation of all aspects of the office with emphasis on coordination and staff supervision for a large-scale corporate recruiting program. Counsel students and conduct career/placement workshops; develop/revise publications; maintain library collection; generate statistical reports; work with computerized scheduling program; interact daily with students, employers, faculty and staff.

**Requirements:** Bachelor's required; Master's in Counseling, Education, Psychology, or related fields preferred. Experience in college student services or corporate recruiting functions with emphasis on counseling and detailed administrative functions. Requires excellent interpersonal, organizational, and communications skills. Detail oriented with ability to see the big picture. Interest and curiosity in technical areas is more important than engineering related experience. Send cover letter & resume to Cynthia Smithbower.

### Research Support Specialist (PT4904) HRII Genetics and Development-Statutory Posting Date: 1/17/91

Participate in planning, designing and performing research on the regulation of plant mitochondrial gene expression and genome structure. Keep abreast of current literature. Help analyze data and prepare results for publication or presentation. Supervise lab operations and undergrad assistants. Train grads and undergrads in research methods. Maintain supply inventories and equipment. Maintain stocks of seeds, cell and bacteria cultures. Maintain records.

**Requirements:** Bachelor's in biological sciences or chemistry or equivalent. Master's preferred. At least 2 years independent research experience in molecular biology or biochemistry. Send cover letter and resume to Sam Weeks.

### Research Support Specialist I (PT4906) HRII Plant Breeding and Biometry-Statutory Posting Date: 1/17/91

Provide managerial assistance to project leader with all aspects of a vegetable breeding research program. Supervise overall field operations including field layouts, land preparation, and applications of pesticides and fertilizers. Supervise greenhouse and growth chamber operations. Maintain pathogen and insect cultures. Coordinate record keeping and data processing. Contribute to grant proposals and oral presentations. Maintain inventories and order necessary materials. Supervise employees and grad students. Occasional work outside normal hours.

**Requirements:** Bachelor's in plant breeding/science or equivalent experience. Several years of related work. Experience with operation and maintenance of farm equipment. Good oral and written communication skills. NY pesticide applicator certification and NYS driver's license required. Send cover letter and resume to Sam Weeks.

### Extension Support Specialist II (PT4901) HRII Soil, Crop and Atmospheric Sciences-Statutory Posting Date: 1/17/91

Provide systems administration for computer lab, including system maintenance, testing new software, and teaching basic UNIX. Assist in development of UNIX applications in soils, crops and climatology. Coordinate and maintain soil databases. Assist faculty and staff. Work with USDA/Soil Conservation Service staff in conducting UNIX, system administration, and GRASS (software) training courses.

Work on materials to enhance computer lab outreach. **Requirements:** Bachelor's in natural resources, soils, geography or agriculture related area. Master's preferred. 1-2 years experience in geographic information systems. Ability to coordinate and maintain a computer lab required. Work with UNIX and GRASS software desirable. Knowledgeable about other geographic information systems such as ERDAS and ArcInfo. Send cover letter and resume to Sam Weeks.

## Professional Part-Time

### Computer Operations Supervisor I (PT5007) Rural Sociology-Statutory Posting Date: 1/24/91

Provide computer training and assistance for grad students. Conduct regular workshops to train new grad students in statistical procedures, data analysis and manipulation; word processing; and bibliographic procedures using both micro and mainframe computers. Provide support with statistical, spreadsheet, word processing and bibliographic software. Serve as consultant to grad students and post-docs with computing problems. Install software and upgrades. Maintain equipment. 20 hours/week, flexible.

**Requirements:** Bachelor's in computer science, related field, or equivalent experience. 2 or more years in computer consulting field or programming experience in a social science environment. Excellent oral and written communication skills. Send cover letter and resume to Sam Weeks.

## Boyce Thompson Institute for Plant Research

**Research Assistant  
Environmental Biology**  
Work with other technical staff on projects investigation the

effects of air pollutants on plant gas exchange. Operate two types of portable gas exchange analyzers. Training will be provided. Collect and collate field data and keep field notes. April 1, 1991 - November 30, 1991.

**Requirements:** Knowledge of plant physiology, photosynthesis, plant gas exchange. Prior experience with gas exchange analysis is desirable, but not required. Will work mainly in the field, some laboratory work; will be required to work one week per month from May through September in Acadia National Park; Maine-housing will be provided; rest of time will be in Ithaca. Work will be supervised by principal investigators, but individual must be able to work well with others. Contact: Anne Zientek, 254-1239.

## 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; applicants with ASCP or AHT licenses are in particular demand.

All external candidates must have a completed signed employment application on file with Staffing before they can be interviewed for a position.

Submit a resume and cover letter for each position, specifying the job title, department and job number, to Sam Weeks, 160 Day Hall. Skill assessment check lists, available at the Day Hall office, are a valuable aid when applying for computer or laboratory related positions.

### Research Aide, GR19 (T5201) Chemistry-Endowed Minimum Biweekly Salary: \$566.28 Posting Date: 2/7/91

Provide assistance in gathering data for publication of the world's largest mass spectral database reference book. Search chemical journals for mass spectra data. Assign chemical names. Enter information into computer database. Check data for errors.

**Requirements:** Associate's in chemistry of equivalent required. 1-2 years related work experience. Basic knowledge of mass spectra and nomenclature of organic compounds. Send cover letter and resume to Sam Weeks.

### Technician, GR20 (T5203) Animal Science-Statutory Minimum Biweekly Salary: \$575.30 Posting Date: 2/7/91

Assist in research involving intensive pasture rotation of beef cattle. Collect, identify, weigh, process and analyze (near infrared) pasture probe. Enter data into computer. Weigh and observe cattle health. Administer treatments as recommended by veterinarian. Take blood samples. Assist during calving season.

**Requirements:** Bachelor's or equivalent in animal science or related field. 1-2 years related experience involving research and cattle handling. Send cover letter and resume to Sam Weeks.

### Electronics Technician, GR22 (T5002) CIT/Network Resources-Endowed Minimum Biweekly Salary: \$641.92 Posting Date: 1/24/91

Assemble, test, install and service terminal, microcomputer, network and data communications equipment. Assemble and install a variety of specialized cables. Perform first-level diagnostics and repairs. Diagnose backbone and local area network problems. Provide routine preventive maintenance. Maintain inventories of supplies. Wed.-Sat., 11pm-9am, 3rd shift.

**Requirements:** Associate's in electronics or equivalent experience and/or coursework. 1-3 years in an electronics hardware environment. Understanding of data communications networks and hardware highly desirable. Experience diagnosing problems in a networking environment, especially TCP/IP, helpful. Strong interpersonal skill desirable. Send cover letter and resume to Sam Weeks.

## Technical Temporary

### Computer Electrician Technician, (T5204) Modern Languages and Linguistics-Endowed Posting Date: 2/7/91

Install and maintain computers and other electronics equipment. Working with a staff of student technicians, oversee the basic maintenance of all phonetics lab equipment including Sun, Mac, and IBM computers and speech analysis devices. Participate in equipment purchase decision. Maintain inventories. Assist staff and student users. 20 hours per week. \$8-10.00 an hour.

**Requirements:** Knowledge of computer repair and electronics essential. Must be familiar with UNIX and DOS operating systems and be able to install and maintain related software and hardware. Should be familiar with serial and parallel data transmission, digital signal processing, A/D-D/A hardware, networking, and recording equipment. Send cover letter and resume to Sam Weeks.

## Office Professionals

Approximately half of all University openings are for Office Professionals. Individuals with secretarial, word processing (IBM PC, Macintosh, Wang, Microm), data entry, technical typing, or medium to heavy typing (45-60+ wpm) are encouraged to apply.

All external candidates must have a completed signed employment application on file with Staffing before they can be interviewed for a position. Employee candidates should submit an employee transfer application and cover letter, if requested, for each position in which they are interested.

Submit a signed employment application and resume which will remain active for a period of four months. During this time, you will be considered for any appropriate openings for which you are competitively qualified. 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 EHP office. If you are currently available for employment, you may want to consider temporary opportunities at the University. Please contact Karen Raponi at 255-2192 for details.

**Office Assistant, GR16 (C4919)**  
**Computer Science-Endowed**  
**Minimum full-time equivalent: \$511.68**  
**Posting Date: 1/17/91**

Assist with printing and distribution of departmental technical reports. Provide clerical and administrative support to faculty as needed; typing, travel, etc. Light typing.  
**Requirements:** HS diploma. Experience with microcomputers and large potocopiars. Must be flexible, able to work under time constraints. Excellent communication and interpersonal skills and ability to prioritize a must. Cornell employees only. Send employee transfer application, cover letter & resume to Esther Smith, Staffing Svcs, EHP.

**Telephone Operator, GR17 (C5001)**  
**Telecommunications-Endowed**  
**Minimum Biweekly Salary: \$530.38**  
**Posting Date: 2/7/91**

Provide Caller related assistance when University is open. Operate Telex when required. Answer approximately 500-600 calls per day. Fall, Winter, Spring: Monday-Friday 9:30-6:00. Summer: Monday-Friday 8:30-5:00.  
**Requirements:** HS diploma or equivalent. Able to work independently. Spelling, listening, reading, CRT and keyboard skills required. Light typing. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Telephone Operator, GR17 (C5002)**  
**Telecommunications Services-Endowed**  
**Minimum Biweekly Salary: \$530.38**  
**Posting Date: 1/31/91**

Provide caller related assistance when university is open. Operate Telex when required. Answer approximately 500-600 calls per day. Monday - Friday 5:30pm - 2:00am  
**Requirements:** HS diploma or equivalent required ability to work independently. Spelling, listening, reading, CRT and keyboard skills required. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR17 (C9214)**  
**OHR/Staffing Services-Endowed**  
**Minimum Biweekly Salary: \$530.38**  
**Posting Date: 1/31/91**

Perform receptionist/telephone operator duties as well as data entry of all job applications, employee transfer requests, and employee requisitions for Staffing Services.  
**Requirements:** HS diploma or equivalent. Minimum 1 year office experience preferred. Excellent communication and interpersonal skills. Good organizational skills. Familiarity with use of electronic multi-line telephone board helpful. Data entry experience essential. Must be able to work in a fast paced, complex environment with frequent interruptions. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

**Office Assistant, GR18 (C3808)**  
**Summer Session-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 9/27/90**

Provide administrative and secretarial support for the media services department of the division. Assist in producing and distributing marketing and publicity materials and keeping records of media department efforts and of their effectiveness. Provide secretarial support to the media manager and media assistant.  
**Requirements:** HS diploma or equivalent. 1-2 years related experience. Excellent organizational and communication skills required. Ability to work under pressure and to meet deadlines. Familiar with advertising, publicity, and graphic design helpful. Knowledge of Macintosh computer and Microsoft Word, Pagemaker and Filemaker Plus software helpful. Valid NYS driver's license. Able to lift up to 40 pounds. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter, resume, and 2 (short) writing samples to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR18 (C3808)**  
**Summer Session-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 9/27/90**

Provide administrative and secretarial support for the media services department of the division. Assist in producing and distributing marketing and publicity materials and keeping records of media department efforts and of their effectiveness. Provide secretarial support to the media manager and media assistant.  
**Requirements:** HS diploma or equivalent. 1-2 years related experience. Excellent organizational and communication skills required. Ability to work under pressure and to meet deadlines. Familiar with advertising, publicity, and graphic design helpful. Knowledge of Macintosh computer and Microsoft Word, Pagemaker and Filemaker Plus software helpful. Valid NYS driver's license. Able to lift up to 40 pounds. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter, resume, and 2 (short) writing samples to Esther Smith, Staffing Services, EHP.

**Senior Circulation/Reserve Assistant, GR18 (C5105)**  
**Access Services-Statutory**  
**Minimum Biweekly Salary: \$529.35**  
**Posting Date: 1/31/91**

Under the general direction of the Administrative Supervisor of Circulation, responsible for processing book replacement and fine bills; prepare and send bills and credits to the Bursar and Cornell Collections; also works at the circulation desk. Uses the NOTIS circulation system or other computer applications for billing process. Monday-Thursday 10a.m. - 7p.m. Sunday 1p.m. - 9p.m. Schedule may change during the academic calendar.  
**Requirements:** HS diploma required. Some college coursework preferred. Ability to work well with a variety of people in a public service setting. Organizational ability and an aptitude for detailed work. Strong interpersonal and communication skills. Experience with microcomputers. Some background with business math desirable. Light typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C5115)**  
**Architecture-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/31/91**

Act as main receptionist and academic secretary for the Architecture Department. Schedule Chairman's appointments; refer students, faculty, and visitors; sort and forward mail; answer telephone; post notices coordinate room schedules; update faculty notices; type course programs and other documents (general correspondence, letter of reference, minutes, etc.)  
**Requirements:** HS diploma or equivalent. Minimum 1-2 years secretarial experience, and ability to type accurately as well as fast. Work with Macintosh SE/30 competently. Previous experience in dealing with the public essential. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Accounts Assistant, GR18 (C5102)**  
**Unions and Activities/Cornell Cinema-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/31/91**

Process all billings and maintain financial records for Cinema. Data entry; order materials; prepare mailings; type; file; receptionist support; make arrangements for visiting filmmakers, and oversee shipping of films.  
**Requirements:** HS diploma or equivalent required. Some college coursework preferred. 1-2 years related accounting experience. Familiar with Cornell accounting procedures preferred. Word processing, general office skills required. Experience with DBase III Plus desired. Regular

Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Department Secretary, GR18 (C5107)**  
**CIS/Cornell Abroad-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/31/91**

Serve as information source for department, staff and visitors; provide secretarial and clerical support to the Director and Assistant Director; screen calls; greet visitors; schedule appointments; give handouts; arrange meetings; type and proofread correspondence.  
**Requirements:** HS diploma or equivalent. Some College coursework preferred. Minimum 1-2 years of related experience. Excellent communication skills. Attention to detail. Ability to work independently. Computer experience. Able to set priorities and interact well with the public. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C5113)**  
**University Development-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/31/91**

Provide administrative and secretarial support for Associate Director and Development Assistant in the Cornell Fund. Assist in the coordination of the national and student phonathon programs; assist in preparation and coordination of mass mailings; prepare computer reports & coordinate distribution; make travel arrangements; maintain files.  
**Requirements:** HS diploma or equivalent. Some college coursework preferred. Minimum 1 year related experience. Excellent organizational and interpersonal skills. Very good typing skills, proficiency on Macintosh hardware and software preferred. Excellent communication (written and oral) skills. Knowledge of Cornell preferred. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR18 (C3808)**  
**Summer Session-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 9/27/90**

Provide administrative and secretarial support for the media services department of the Division. Assist in producing and distribution marketing and publicity materials and keeping records of media department efforts and of their effectiveness. Provide secretarial support to the media manager and media assistant. Medium typing.  
**Requirements:** HS diploma or equivalent. 1-2 years related experience. Excellent organizational and communication skills required. Ability to work under pressure and to meet deadlines. Familiar with advertising, publicity, and graphic design helpful. Knowledge of Macintosh computer and Microsoft Word, Pagemaker and Filemaker Plus software helpful. Valid FNYS driver's license. Able to lift up to 40 pounds. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume and 2 (short) writing samples to Esther Smith, Staffing Services, 160 Day Hall.

**Secretary, GR18 (C5005)**  
**Human Service Studies-Statutory**  
**Minimum Biweekly Salary: \$529.35**  
**Posting Date: 1/24/91**

Provide secretarial support for 4-6 faculty in a large department, type classwork, reports, manuscripts, correspondence and vouchers; answer telephone; distribute mail; arrange travel, library reserve lists; conferences and meetings; order text books; make copies; run campus errands; keep faculty files and calendars and other duties as assigned. Heavy typing.  
**Requirements:** HS diploma or equivalent education/experience. Business or secretarial school highly desirable. 1-2 years previous secretarial experience; experience on IBM PC or Macintosh computers; knowledge of word perfect or Micro Soft Word highly desirable. Ability to work under pressure. Interpersonal and organizational skills. Machine/manual transcription skills. Regular employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Secretary, GR18 (C4912)**  
**Johnson Museum-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/17/91**

Responsible for coordination of gift procedure. Coordinate and process annual report. Process accession cards for permanent collection records, type grant applications. Act as back-up lobby receptionist and provide support for director's assistant and curatorial administrative aide. Monday - Friday, 8:30 - 5:00.  
**Requirements:** HS diploma required. Some college coursework and interest in art preferred. 1-2 years experience in administrative setting. Experience with Cornell Gift Records Helpful. Working knowledge of word processing. Good communication skills and ability to edit and proofread required. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Collection Representative, GR18 (C4918)**  
**Controller's/Accounting-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/17/91**

Phone collection of past due receivable accounts placed with CU collections from various Cornell departments. Follow-up and update collection records. Monday - Tuesday 12pm-8:30pm, Wed, Thurs, Fri- 8-4:30pm Light typing.  
**Requirements:** HS diploma required. Associate's or equivalent preferred. 1-2 years related experience. Collection experience preferred, good oral communication skills a must. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR18 (C4917)**  
**Statter Hotel-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/17/90**

Operate front desk computer and telephone switchboard. Checks guests in and out of the hotel. Post guest and club account charges and payments. Assist with reservations, concierge and serve as main information source for hotel. Medium typing. Flexible hours including nights and wknds.  
**Requirements:** HS diploma required. Some college coursework preferred. 1-2 years related experience. Accounting, switchboard and computer experience required; 6-12 months front office experience preferred. Cornell employees only. Send employee transfer application, cover letter & resume to Esther Smith, Staffing Svcs, EHP.

**Editorial Assistant, GR18 (C4913)**  
**University Press-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/17/91**

Act as assistant to acquisitions editors. Responsible for acquisition, development and maintenance of several lists of scholarly books. Perform routine office duties. Extensive phone contact with authors, readers, and other departments of the Press. Monday-Friday 8:42am - 5pm  
**Requirements:** HS diploma required. Associate's or equivalent preferred. 1-2 years prior experience with book publishing helpful. Familiarity with IBM PC's. Cornell employees only. Send employee transfer application, cover letter & resume to Esther Smith, Staffing Svcs, EHP.

**Administrative Secretary, GR18 (C4803)**  
**Alumni Affairs-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 12/20/90**

Provide Secretarial/Clerical support to the Assistant Director, Alumni Programs and the Business Manager, Alumni Affairs; assist with all aspects of Alumni Programs and business operations.  
**Requirements:** HS diploma required. Business or Secretarial school desirable. 1-2 years related experience. Skill in general office procedures. Excellent organizational and communication skills. Ability to work under pressure with heavy work volumes. Knowledge of Macintosh computer software preferred. Flexibility. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Secretary, GR18 (C4901)**  
**Alumni Affairs-Endowed**  
**Minimum Biweekly Salary: \$542.89**  
**Posting Date: 1/17/91**

Provide secretarial/administrative support to Associate Director and Assistant Director of club programs. Assist with speaker program, club membership assistance program and other service orientated programs; Federation Weekend and other aspects of club programs relative to communications with alumni.  
**Requirements:** HS diploma required. Some college coursework preferred. 1 year related experience. Excellent interpersonal and communication skills. Must be well organized and have ability to work independently. Prefer computer experience. Regular Cornell employees only. Send employee transfer application, resume and cover letter to Esther Smith, Staffing Services, EHP.

**Secretary, GR19 (C5110)**  
**JGSM-Endowed**  
**Minimum Biweekly Salary: \$566.28**  
**Posting Date: 1/31/91**

Provide secretarial and administrative support to the Director of Business Operations and the School's Business Manager.  
**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1-2 years related office experience. Working knowledge of Macintosh computer. Excellent organizational, interpersonal and communication (written and oral) skills. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR19 (C5006)**  
**Ecology and Systematics-Statutory**  
**Minimum Biweekly Salary: \$551.86**  
**Posting Date: 1/24/91**

Provide broad range of administrative/secretarial services to Chairman, Administrative Manager, and Building Manager. Type and edit correspondence, reports, minutes, class materials, statistical tables and charts, etc., draft routine correspondence; arrange meetings; prepare student appointments; answer telephones; act as receptionist; handle key distribution and records. Heavy typing.  
**Requirements:** HS diploma or equivalent. Some college coursework in Secretarial Science preferred. 2 years secretarial/administrative experience, with experience at Cornell preferred. Macintosh or PC computer experience essential. Strong organizational, communication, and interpersonal skills. Ability to work independently, under pressure, and to coordinate multiple projects. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR19 (C5008)**  
**Johnson Graduate School of Management-Endowed**  
**Minimum Biweekly Salary: \$566.28**  
**Posting Date: 1/24/91**

Provide clerical and secretarial support to the Dean's office. Type; answer telephones; assist in the preparation of reports and projects. Heavy typing.  
**Requirements:** HS diploma or equivalent. Some college coursework in Secretarial Science preferred. 2 years of office experience required. Familiar with higher education and/or business management preferred. Excellent organizational and oral skills. Ability to communicate and articulate with public, as well as academicians. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Svcs, EHP.

**Secretary, GR19 (C5007)**  
**Public Affairs/Library-Endowed**  
**Minimum Biweekly Salary: \$566.28**  
**Posting Date: 1/24/91**

During 75 million dollar campaign, complete routine secretarial duties for Library Public Affairs staff. Communicate daily with Library staff, development officers and donors via telephone conversations and written correspondence. Heavy typing.  
**Requirements:** HS diploma or equivalent. 1-2 years experience in office environment with similar duties. Good interpersonal and communication (written and oral) skills. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Receptionist/Information Secretary, GR19 (C4914)**  
**Graduate School Records-Endowed**  
**Minimum Biweekly Salary: \$566.28**  
**Posting Date: 1/17/91**

Enter data on IBM computer. Process forms related to graduate students records. Answer phones and basic inquiries from students, faculty and other offices. Assist in course enrollment and at reception desk. Process application letters. Medium typing. Full time, regular.  
**Requirements:** HS diploma required. Some college coursework preferred. 1-2 years related experience. Knowledge of college structure. Ability to work and organize independently. Communication skills important. Familiarity with word processing and dBase desired. Confidentiality required. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR19 (C4703)**  
**University Development/Public Affairs-Endowed**  
**Minimum Biweekly Salary: \$566.28**  
**Posting Date: 12/20/90**

Provide administrative support for the Director and Associate Directors of Leadership Gifts. Take telephone calls and messages; schedule appointments; route material to central files; duplicate materials; arrange meetings; collect, open, and distribute mail; type letters, memorandums, etc.; duplicate materials for program where needed.  
**Requirements:** HS diploma or equivalent. Some college coursework preferred. 2 years related experience. Knowledge of word-processing dictation equipment. Good typing skills. Good telephone techniques. Ability to work with computer inquiry programs. Knowledge of University Travel Office. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR19 (C4909)**  
**Public Affairs/Engineering-Endowed**  
**Minimum Biweekly Salary: \$566.28**  
**Posting Date: 1/17/91**

Provide general secretarial assistance. Maintain gift acknowledgement system for the College of Engineering. Provide administrative support to the Director of Development, and the Director of Leadership Gifts. Act as primary

receptionist for the Engineering Public Affairs office. Monday - Friday 8:30 - 5:00.

**Requirements:** HS diploma required. Associate's preferred. 1-2 years related experience. Solid secretarial skills and ability to work well with others is important. Excellent organizational and communication skills (both oral and written) necessary. Attention to detail, discretion, and ability to handle confidential material. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR20 (C5205)**  
**Unions and Activities/CAC-Endowed**  
**Minimum Biweekly Salary: \$590.45**  
**Posting Date: 2/7/91**

Provide administrative support to the Activities Center unit's professional staff. Serve as office manager; oversee/review office policies and procedures; some filing; assist in the day to day operation of the Activities Center units; some accounting.

**Requirements:** Associate's in Secretarial Science or equivalent preferred. 2 years related experience in a senior level office position with supervisory responsibilities and significant public interaction. Bookkeeping/accounting background and excellent grammar skills essential. Experience with word processors required. Office management skills preferred. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter & resume to Esther Smith, Staffing Svcs, EHP.

**Senior Department Assistant, GR20 (C4412)**  
**Catalog Management/Olin/CUL-Endowed**  
**Minimum Biweekly Salary: \$590.45**  
**Posting Date: 11/8/90**

Responsible for completing the work associated with the barcoding project and clean-up for Olin, Uris and the Endowed Unit Libraries. This individual exercises considerable judgement in technical procedures for the Barcode Cleanup Group.  
 Responsibilities include: performing the work of the Group, supervising student assistants serving as a quality control specialist. 39 hours per week, Monday-Friday.  
**Requirements:** Associate's required, or the equivalent combination of work experience and education. Minimum of 1 year relevant technical Services experience. Demonstrated ability to work independently and exercise judgement. Ability to work well with details. Good interpersonal communications, (verbal and written) skills. Must be dependable and work well under pressure. Previous supervisory experience desirable. Light typing. Regular Cornell employees only. Send employee transfer application, cover letter & resume to Esther Smith, Staffing Svcs, EHP.

**Secretary, GR20 (C4513)**  
**Entomology-Statutory**  
**Minimum Biweekly Salary: \$575.30**  
**Posting Date: 2/7/91**

Provides the primary, full-time secretarial support for the Chemicals-Pesticides Program (CPP). In addition to the normal secretarial responsibilities, the position requires considerably advanced computer skills.  
**Requirements:** High school diploma or equivalent. Associate's or equivalent. 2 years secretarial experience. Good secretarial and computer skills necessary. Good telephone presence and ability to work with the public required. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza.

**Accounts Assistant, GR20 (C4012)**  
**Food Science-Statutory**  
**Minimum Biweekly Salary: \$575.30**  
**Posting Date: 10/18/90**

Responsible for the flow of payments through the Department Business Operation. Working with IBM-PC to monitor and reconcile departmental accounts utilizing CUDA and preparation of needed internal reports.  
**Requirements:** Associate's in Business related program or equivalent experience. Knowledge of Lotus 123 preferred. Minimum 2 years business office experience. Light typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR20 (C5112)**  
**University Development-Endowed**  
**Minimum Biweekly Salary: \$590.45**  
**Posting Date: 1/31/91**

Provide secretarial and administrative assistance for the Director of Major Gifts. Coordinate flow and oversee completion of work within office; type, edit and proofread correspondence and reports; make appointments and coordinate travel arrangements; conduct research for special projects and carry out special assignments as may be requested by Director.  
**Requirements:** Associate's or the equivalent in education, experience and training. Minimum 2 years related experience. Excellent organizational, communications (written and oral) and interpersonal skills. Ability to handle confidential information and prioritize assignments and work under pressure. Proficiency on Macintosh computer. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR20 (C5111)**  
**University Development-Endowed**  
**Minimum Biweekly Salary: \$590.45**  
**Posting Date: 1/31/91**

Assist the Associate Director of the Cornell Fund by providing administrative support to the functioning of the Cornell Fund. He/she has primary responsibility for coordinating operational logistics between the regional, college, public affairs and central annual fund offices.  
**Requirements:** Associate's or the equivalent in education, experience and training. Minimum 2 years related experience in office, human resource, budget management and computers. Excellent organizational, communication (written and oral) and interpersonal skills. Ability to handle confidential information, prioritize assignments and work under pressure. Knowledge of Cornell desirable. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Accounts Assistant, GR20 (C4104)**  
**Electrical Engineering-Endowed**  
**Minimum Biweekly Salary: \$590.45**  
**Posting Date: 10/18/90**

Process school payroll, assist in management of school's accounts, and assist Administrative Associate.  
**Requirements:** Associate's in business or related field. 2-3 years business experience. Ability to work under pressure and as a part of a team. Experience using Lotus 123 on IBM PC. 1-2 years Cornell University payroll experience. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing services, EHP.

**Administrative Aide, GR21 (C5206)**  
**Unions and Activities/CAC-Endowed**  
**Minimum Biweekly Salary: \$615.42**  
**Posting Date: 2/7/91**

Provide full secretarial support for the Director of Student Activities. Assist in planning and implementation of various student-oriented programs; provide accounting support for 20 operating/appropriated accounts; supervision of student office assistant.

**Requirements:** Associate's preferred. 2 years of secre-

tarial experience. Cornell endowed accounting experience. Knowledge of IBM PC with working knowledge of WordPerfect and Lotus desired. Good communication, organizational and interpersonal skills required. Ability to work independently. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR21 (C5114)**  
CHES-Endowed  
Minimum Biweekly Salary: \$615.42  
Posting Date: 1/31/91

Coordinate operations between the outside scientific community and the CHES staff. Receive and process proposals submitted to CHES; schedule beamtime; organize and prepare correspondence with the user community; prepare statistical information; answer telephone on a very busy system; prepares mailings; major responsibilities in each area.

**Requirements:** Associate's or equivalent experience. Working knowledge of Macintosh. 2-3 years related experience. Working knowledge of Macintosh. Strong organizational and communication skills. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR21 (C4701)**  
Anthropology-Endowed  
Minimum Biweekly Salary: \$615.42  
Posting Date: 12/20/90

Assist the Department Chair and the Administrative Supervisor with the management and maintenance of administrative support functions of the department.

**Requirements:** Associate's or equivalent. 2-3 years related experience. Good knowledge of account systems, preferably in an academic environment. Excellent communication (oral and written) skills. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR22 (C3501)**  
Human Service Studies-Statutory  
Minimum Biweekly Salary: \$625.24  
Posting Date: 9/6/90

Provide administrative staff assistance to the overall management of the department; including coordination of appointments, supervision of clerical staff (6); fiscal management; office management; and coordination of department information, space and special programs. Medium typing. **Requirements:** Associate's or equivalent. 3-4 years related experience. Prior experience required in personnel, supervision, fiscal management and office management. Knowledge of IBM computers and systems management desirable (Wordperfect, Lotus 123, Dbase). Knowledge of budgeting and Cornell accounting system a plus. Strong interpersonal skills. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

### Office Professional Part-time

**Office Assistant, GR16 (C4915)**  
Athletics-Endowed  
Minimum full-time equivalent: \$511.68  
Posting Date: 1/17/91

Provide secretarial and clerical assistance in the operation of the Athletic Business Office. Primary responsibility for telephone coverage & receptionist duties. Medium typing. **Requirements:** HS diploma required. Minimum 1 year successful office experience. Excellent typing and telephone skills. Knowledge of computer and word processing software helpful. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, 17 (C3802)**  
Center for Environmental Research-Endowed  
Minimum full-time equivalent: \$530.38  
Posting Date: 9/27/90

Assist Waste Management Institute administrative support staff with routine word processing in Macintosh; filing and mailing responsibilities; arrange meetings and travel schedules. Other general office duties. **Requirements:** HS diploma or equivalent. Some related experience (6 months-1 year). Macintosh experience essential. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Accounts Assistant, GR18 (C5203)**  
University Health Services-Endowed  
Minimum full-time equivalent: \$542.89  
Posting Date: 2/7/91

Provide billing services for UHS to include: receive payments from patients for services rendered, daily deposits and balancing; complete insurance forms and compensation reports; Bursar charges and communications; prepare patient and insurance correspondence relating to specific accounts and billing procedures. Mon-Fri, 24 hrs per week. **Requirements:** HS diploma or equivalent. Some medical experience, accounting and computers preferred. Ability to work independently, be self directed, and have strong interpersonal skills. Must be able to work flexible hours. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C5101)**  
Vet Micro, Immunol and Parasit-Statutory  
Minimum full-time equivalent: \$529.35  
Posting Date: 1/31/91

Type research grants, teaching material and correspondence; prepare and send out weekly seminar notices, pick up mail; answer telephone; and prepare notices of proposed travel. Mon-Friday, 4 hours per day, flexible hours. **Requirements:** HS diploma required. Some college coursework preferred. 1-2 years secretarial experience. Proficient with Word Perfect. good interpersonal and communication (written and oral) skills. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C4907)**  
Community and Rural Development Institute-Statutory  
Minimum full-time equivalent: \$529.35  
Posting Date: 1/17/91

Perform various secretarial functions for institute director and associate director. Maintain Institute database of all rural development programs on campus. 20 hours per week, flexible. **Requirements:** HS diploma required. Some college coursework preferred. Excellent secretarial skills, with knowledge of computers and 1-2 years experience in professional office, preferably at Cornell. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C4906)**  
Agricultural Economics-Statutory  
Minimum full-time equivalent: \$529.35  
Posting Date: 1/17/91

Provide secretarial support for one faculty member. Heavy typing for research and teaching activities; computer knowledge essential. Position until 9/1/91. 20 hrs pr week.

**Requirements:** HS diploma or equivalent. Some college experience preferred. Experience with computer/work processor preferred. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR19 (C4702)**  
Operations Research & Industrial Eng.-Endowed  
Minimum full-time equivalent: \$566.28  
Posting Date: 12/20/90

Provide administrative/clerical support for the Graduate Program and the School's Administrative Manager. Backup for technical typing using the EXP program. Other duties as assigned.

**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1-2 years related experience. Good interpersonal skills. Knowledge of technical typing helpful. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR21 (C5106)**  
Center for Applied Mathematics-Endowed  
Minimum full-time equivalent: \$615.42  
Posting Date: 1/31/91

Provide administrative support for Center. Assist in word processing; answer telephones; accounting, purchasing, and inventory. Other duties as assigned. 20 hrs per week.

**Requirements:** Associate's or equivalent. 2-3 years related experience. Knowledge or willingness to learn MS-DOS and UNIX operating systems and the following software programs: LaTeX, Wordperfect, Lotus 123. Excellent interpersonal and communication (written and oral) skills. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

### 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**  
Photocopy Services/Olin Library-Endowed  
Hiring Rate: \$7.00  
Posting Date: 2/7/91

Support the Administrative and self-service photocopy operations. Supervise student staff. Customer relations. Quality and inventory control. Operation of machinery. Deliveries to other library locations. Must be able to lift maximum 50 pounds. During Saturday hours, oversee the activities of the Copy Center office. Tuesday-Friday 8:00am - 5pm Saturday 10:00am - 6pm Position until 5/24/91. **Requirements:** HS diploma or equivalent. Communication, interpersonal, and organizational skills required. Ability to set priorities. Experience operating photocopy equipment and microcomputers. Send cover letter and resume to Karen Raponi, Staffing Services, 160 Day Hall.

### Temporary Off-Campus

**Youth Development Program Assistant (S4803)**  
NYC Cooperative Extension-Statutory  
Posting Date: 12/20/90

Utilizing independent judgment and initiative, provide administrative support to the Senior Extension Associate for Youth Development. Primarily responsible for support to program development efforts and devising and implementing systems to reach long-term goals. 20 hours per week. **Requirements:** Bachelor's required. 2-3 years administrative experience. Writing, researching and synthesizing skills. Flexible, detail oriented, able to work under pressure. Knowledge of urban communities. Word processing and database systems skills. Please send cover letter and resume to Linda Nessel, 15 East 26th Street, New York, NY 10010.

**Program Assistant (S5018)**  
NYC Cooperative Extension-Statutory  
Posting Date: 1/24/91

Provide program assistant to the Expanded Food and Nutrition Education Program (EFNEP) Site Leader. Coordinate efforts of Nutrition Teaching Assistants, conduct inservice training sessions, prepare reports, review and monitor NTA logs, the records and reporting and data entry systems. Attend conferences, workshops, etc. Wednesday - Friday, 9:00am - 5pm

**Requirements:** Bachelor's in food/nutrition/community health. 3 years work experience in foods/nutrition/health. Good communication skills, supervisory experience. Bilingual preferred but not required (English/Spanish). Send Cover letter and resume to Gloria Roman, 15 East 26th Street, New York, NY 10010.

### General Service Temporary

**Poultry Worker (S5101)**  
Poultry Science-Statutory  
Hiring Rate: \$5.50

Feed poultry and maintain cleanliness of poultry barns. Must have valid NYS drivers license. Casual appointment: Saturday & Sundays; approximately four hours each day. Please contact Karen Raponi, Staffing Svcs, 255-2192.

**Casual Animal Technician (S4611)**  
Laboratory Animal Services-Statutory  
Posting Date: 12/13/90

Provide weekend and holiday care of lab animals (feed, water, clean and monitor following strict protocols for sterile or disease control environment and regulations for animal welfare. Maintain animal records. May include

### Cornell Employment News

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**Photography:** Susan Boedicker, Media Services, Photo Services, Publications  
**Telephone:** Office of Equal Opportunity (607) 255-3976  
Office of Human Resources (607) 255-3936

**EQUAL**  
Opportunity at Cornell

assisting Vets in treating and vaccinating animals. Saturday-Sunday-Holidays, 16 hours per week.

**Requirements:** HS diploma or equivalent required. Associate's in Animal Science desired. Assistant Animal Certificate helpful. Knowledge of a variety of lab animals and animal breeding required. 1 year animal experience. Ability to lift 50lbs. Pre-employment physical and all necessary immunization required. Please send cover letter and resume to Karen Raponi, Staffing Svcs, 160 Day Hall.

### General Service

Submit a signed employment application which will remain active for a period of four months. During this time, you will be considered for any appropriate openings for which you are competitively qualified. 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 EHP office. If you are currently available for employment, you may want to consider temporary opportunities at the University. Please contact Karen Raponi at 255-2192 for details.

**Dispatcher, S006 (G4305)**  
Customer Service Center-Endowed  
Hiring Rate: \$7.52  
Posting Date: 11/1/90

Receive any trouble calls, relay messages and coordinate and dispatch appropriate tradespeople and material delivery personnel, or courier/cab service as requested. The customer service center is the focal point of requests for repairs, maintenance and alterations and information about the physical plant.

**Requirements:** HS diploma or equivalent. 2 years related experience. Working knowledge/experience with mainframe and personal computers highly desirable. Training and/or experience in public relations, sales or service preferred. Must have excellent interpersonal and communication skills. Ability to work under pressure and strong decision making abilities. Knowledge of Cornell campus helpful. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter, resume to Esther Smith, Staffing Services, 160 Day Hall.

**Shift and Maintenance Mechanic, S009 (G4006, G4007)**  
M and SO/Mechanical Shop-Endowed  
Hiring Rate: \$8.66  
Posting Date: 11/8/90

Perform preventive maintenance on boilers, burners and other mechanical HVAC equipment found in commercial, industrial, residential and research institutions. Monitor equipment, building and utility systems. Inspect and lubricate all mechanical equipment. Read electric, water and steam meters. Shift will vary according to shift duty. **Requirements:** HS diploma or equivalent. Knowledge of

HVAC, utilities, controls and other support systems in a high technology environment. Minimum 3 years experience maintaining mechanical equipment. Experience with boilers and burners. Valid NYS drivers license required. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall. Women and minorities are particularly encouraged to apply.

**Maintenance Mechanic, S008 (G5001)**  
Residence Life-Endowed  
Hiring Rate: \$8.27  
Posting Date: 1/24/91

**General Service-Part Time**  
Responsible for general maintenance of assigned residence areas including physical plant facilities and department equipment. Monday-Friday, 8am - 4:30pm  
**Requirements:** HS diploma or equivalent. 3-5 years experience in maintenance mechanic or building and maintenance field required; 2 years experience in a trade. General knowledge of others. Able to work in a student oriented environment. Good communication, interpersonal and organizational skills. Able to make immediate on-site decisions. NYS class 3 driver's license preferred. Must be in good physical condition and able to perform heavy lifting. Regular CU employees only. Send employee transfer application to Esther Smith, Staffing Svcs, EHP.

### General Service

Send application materials for the following positions to Cynthia Smithbower, 160 Day Hall.

### General Service Off-Campus

**Groundworker, GR18 (B4002)**  
Fredonia Vineyard Laboratory-Statutory  
Minimum Biweekly Salary: \$529.35  
Posting Date: 10/11/90

Carry out responsibilities relating to maintenance of experimental vineyards, buildings and grounds maintenance, experimental treatment applications and field data collection. Position is in Fredonia NY.  
**Requirements:** HS diploma or equivalent. Valid driver's license, valid pesticide applicator's certificate. 1-2 years of vineyard maintenance experience. Experience in operation and repair of equipment. Send cover letter and resume to Cynthia Smithbower.

## I Signed Up for Select Benefits — Now What?

As noted in last week's *Cornell Employment News*, you must include proof of the expenses you have incurred when you submit your Select Benefits claims. Federal regulations require documentation as proof that an expense has not previously been reimbursed.

### How to obtain the necessary documentation for Select Benefits claims submission:

First submit expenses eligible for reimbursement under a medical or dental plan to your insurance carrier. You will then receive an "explanation of benefits" statement telling how much has been reimbursed for each submitted expense or which expenses are not covered. This "explanation of benefits" is your documentation and a copy should be attached when submitting claims to a Select Benefits medical reimbursement account. If your medical expenses are not eligible under your health or dental plan (eye glasses for example, fall under this category) you need to attach a copy of the itemized bill to your claim form.

The next several cut-off dates for remitting Select Benefits claims for reimbursement are: 2/15; 3/1; 3/15; 3/29.

If you have any questions, contact Pat Cooke or Donna Bugliari in Endowed Employee Benefits at 255-3936 or Midge Kelsey in Statutory Benefits at 255-4455.

## Disability Notebook

Continued from page 1e

ver to open the door. (It takes a five-foot diameter area to easily turn a wheelchair 360 degrees.) Door widths for accessible use must be at least 32 inches clear. This alone does not make the door negotiable. The direction of approach, swing, hardware (i.e. latches, knobs, closures, etc.) and maneuvering area on both sides of the door are critical for accessibility. Altering one or more of these elements can dramatically change the others.

Some simplified rules to apply are: a clear area on both sides of every access door should be maintained; the space should be deep enough (four to five feet) to permit a wheelchair to maneuver outside the swing of the door; and there should be enough space

on the latch-edge side of the door (18 to 24 inches) to allow an individual who uses a wheelchair to approach and pull open the door. Swing doors in a series at vestibules, for example, require the distance between doors to be the width of the door plus a minimum distance of 48 inches. Backpacks, desks, chairs, shelves, bicycles, and transient obstructions can adversely change the most generous access configurations into impassable or impossible barriers.

Again, with the systematic elimination of the cast-in-place barriers comes the continuing need to make progress to reduce "soft barriers," with the goal of full accessibility and usability for all persons. Try to recognize barriers when using or rearranging an area. Take care not to create more obstacles. In spite of the efforts to date, a lingering legacy of barriers still remains for the entire campus community to overcome together.