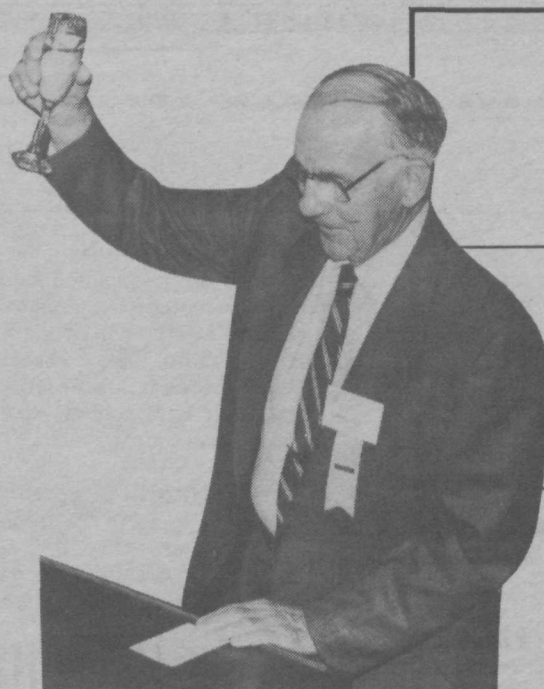


# CORNELL CHRONICLE

Volume 21 Number 10 November 2, 1989



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## Leading science writers to meet here next week

More than 130 science writers from newspapers, magazines, wire services and universities around the country will be on campus from Sunday, Nov. 5, through Thursday, Nov. 9, for a national meeting to discuss the frontiers of science.

The meeting, believed to be the largest contingent of journalists ever to visit Cornell, is being conducted by the Council for the Advancement of Science Writing, an organization of science writers. The meeting is open only to registered science writers.

Cornell is the host for the meeting, called the New Horizons in Science Briefing. The session has received funding support from International Business Machines Corp., Eastman Kodak Co., Monsanto Co. and the National Science Foundation.

"Cornell is honored to serve as host for this important meeting involving so many of the nation's journalists," Provost Robert Barker said.

"In an increasingly complex and competitive environment, our world depends

*Hotel School students are preparing a Renaissance banquet for the visiting science writers. See Page 3.*

more and more on advances in scientific understanding and technological innovation. Science journalists play a uniquely important role in ensuring that the American people understand and appreciate the contributions of scientific research to our lives,"

he said.

During the four-day conference in the Statler Hotel, the science writers will hear more than one dozen talks on subjects ranging from cancer to particle physics. Speakers will include scientists from the Massachusetts Institute of Technology, Harvard University, Carnegie-Mellon University and the Weizmann Institute in Israel.

Cornell speakers will include:

- Harold Craighead, National Nanofabrication Facility director, on new technologies for building ultra-small devices.
- Thomas Eisner, professor of biology, on a proposal to help save the rain forests by "prospecting" for valuable chemicals contained in plants and animals.
- Stephen Emlen, professor of neurobiology and behavior, on the new understand-

ing of sociobiology.

• Robert Richardson, professor of physics, on properties of matter at temperatures near absolute zero.

• Carl Sagan, the David Duncan Professor of Astronomy and Space Sciences, on science writing and science illiteracy in America.

In addition to the talks, the science writers will tour Cornell research facilities and projects in the Theory Center, Biotechnology Building, Department of Food Science, College of Veterinary Medicine, Cornell Electron Storage Ring and Center for High Energy Synchrotron Studies.

The science writers also will be treated to a reception and dinner produced by students in the School of Hotel Administration.

—Dennis Meredith

## Trustees approve library plans; work to begin this month

The Board of Trustees has approved the basic design of a major Olin Library addition and preliminary work is expected to begin in several weeks at the site between Goldwin Smith and Timson halls in the southeast portion of the Arts Quadrangle.

The three-story, 95,000-square-foot addition, expected to cost about \$25 million, will be built entirely underground; the site is to be restored virtually as before.

In approving the schematic design of Boston architects Shepley Bulfinch Richardson and Abbott, the trustee Buildings and Properties Committee did express concern about the appearance of the four 9-by-9-foot skylights planned to admit light into the new space.

Though plans call for screening the ground-level skylights with trees and shrubs, the committee asked for more details on how this will be done. The architects will report on this and some other details in December, but the design approval allows planning to proceed.

*Gifts to Cornell reach record \$157.1 million. See more Trustee-Council stories on Page 7.*

While College of Arts and Sciences Dean Geoffrey Chester has said that the college faculty's "own strong preferences for a site contiguous to Olin Library were crucial to this [site] choice," careful efforts are being made to explain the project's timetable and possible disruptive effects to that faculty and others on campus.

The arts faculty, for instance, was to meet yesterday with Paul Griffen, associate vice president for facilities planning and construction. Griffen said many similar meetings will be held throughout the course of the project.

In other action, the trustees:

- Ratified committee approval for building a 35-student American Indian House at Jessup and Triphammer roads, which may be occupied by the 1990-91 academic year.
- Approved a \$121.8 million operating-budget request for the four state-supported colleges. The request, approved in September by the board's Executive Committee, asks the state for an \$8.6 million increase, of which \$7.45 million is to cover inflationary increases in areas such as salaries, utilities and maintenance.

Of the total request, the 1 percent for program improvements includes \$350,000 for programs addressing "youth at risk," \$274,000 for American Indian programs and \$200,000 for a School of Industrial and Labor Relations program that helps small manufacturers improve their companies' profitability and efficiency.



Chris Hildreth

Members of the Board of Trustees and the Cornell Council attend a reception at the Center for Theatre Arts on Oct. 26 as part of Trustee-Council weekend.

• Elected Austin H. Kiplinger, who stepped down as board chairman in July after 29 years as a trustee, a Presidential Councillor. "Mr. Kiplinger has led the board with a special sensitivity to the importance of arts and letters in undergraduate education and with unfailing calm, courtesy and fairness," President Frank H.T. Rhodes said in nomination comments that brought the trustees to their feet in applause.

• Voted the following people "Cornell Benefactors," whose names will be inscribed on the stone terrace wall outside Uris Library: Hirschel B. Abelson, Eleanore W. Backer, Rosalind A. Diefenderfer, Elizabeth F. Failing, Laura M. Lambert, Jon A. and Virginia M. Lindseth, Dorothy H. McConville, William E. Phillips, Thelma T. Ripley, Jack and Lewis Rudin, Stephen and Judith K. Rushmore, Nina B. Silverman, Helene M. Tompkins, Paul K. Vipond, Stittler A. Vipond.

—Sam Segal

## \$4 million lab will grow optical chips

A \$4-million laboratory where minuscule streams of metal vapors will be used to grow crystalline lasers and transistors with control of their structure at atomic dimensions is being constructed by Cornell's School of Electrical Engineering.

Called the OMVPE Laboratory, for Organometallic Vapor-Phase Epitaxy, the facility will be key to Cornell's research in optoelectronics.

"Many aspects of the OMVPE technique for producing semiconductor devices were pioneered at Cornell," said Richard Shealy, assistant professor of electrical engineering, who is technical adviser for the facility. "This facility, among the largest of its kind in any university, is extremely important to developing this promising technology."

Support for the lab will come from government and industry. Government supporters include the Joint Services Electronics Program (JSEP) and the Innovative Science and Technology Program of the Strategic Defense Initiative Office. According to Shealy, JSEP, currently in its 13th year, is the oldest Cornell research program in high-speed compound semiconductor materials and devices.

"The new OMVPE facility will provide crucial new materials and devices for the ultrafast phenomena currently explored in JSEP-sponsored Cornell research," he said.

Corporate sponsors include General Electric Co., Eastman Kodak Co., Sarnoff Research Center, EG&G Inc., Air Products and AKZO Corporate Research America Inc.

Optoelectronics, which combines optics and electronic components on single integrated-circuit chips, is expected to become a \$100 billion-a-year industry worldwide by the year 2000. OMVPE can be used to build ultrafast electronic transistors: electrons can move about 10 times faster in the gallium arsenide devices built using the OMVPE process than in silicon, traditionally used as a basis for microelectronics.

Optoelectronic chips could become the basis for superfast computers, computer networks, ultrasensitive remote sensors and high-speed satellite and ground communications systems. Examples of such technology are the extensive fiber-optic communi-

Continued on page 6



## BRIEFS

■ **Catalog on-line:** The University Library's on-line catalog is now accessible to students, faculty and staff through computers in residence halls, offices and in homes. Information on remote access to the on-line catalog is available at the reference desk in any of the 16 Cornell libraries and at the Service HelpDesk in Room 124 of the Computing and Communications Center near Bailey Hall. More than one-half of Cornell's 5-million-volume collection is now on-line.

■ **Bloodmobile:** The Red Cross Bloodmobile will be at Barton Hall from 10 a.m. to 3:45 p.m. on Monday, Nov. 6, and Tuesday, Nov. 7. To make an appointment, call 273-1900; walk-ins are welcome.

■ **Open house:** The College of Agriculture and Life Sciences, College of Human Ecology and School of Industrial and Labor Relations will hold a transfer day on Friday, Nov. 3, for students now attending two-year colleges and an open house on Saturday, Nov. 11, for high school students and their

parents. At the transfer day, representatives of the three state-supported colleges will discuss transfer admission policies and a variety of other informational topics. Students then may attend a class, meet with faculty members, join currently enrolled students for lunch and talk with admissions representatives.

■ **Retires:** Richard K. Pivetz has retired after 28 years as Western District director of the New York State School of Industrial and Labor Relations' extension operation headquartered in Buffalo. During his tenure, Pivetz saw his operation grow from a two-person office to a staff of 23.

■ **By Dec. 5:** Current graduate students who are planning to return to Cornell in the fall of 1990 and want to apply for Ford Foundation Summer Internships that are worth up to \$2,500 a month must submit applications postmarked no later than Dec. 5, 1989. Details are available at the Graduate Student Fellowship Office, 116 Sage Hall, telephone 255-4884.

## Design work begins on expanding, revamping Vet College's teaching, research facilities

Preliminary design work for expansion and rehabilitation of the hospital and teaching and research facilities at the College of Veterinary Medicine is under way, according to Paul M. Griffen, Cornell associate vice president for facilities planning and construction.

Griffen said that the State University Construction Fund (SUCF) selected a New York City architect to design the facilities, which will be erected adjacent to the college's present site at the east end of campus. The architectural concept and schematics are being developed by Davis, Brody & Associates/Russo + Sonder, the firm that developed the master plan for the college's facilities in 1985 and was responsible for the programming phase in 1987. The design phase should be completed over the next four to six months, and preliminary site work and utility relocation are set to begin in spring 1990. Construction will be staged over a four-year period, Griffen explained. The project will provide about 183,000 net square feet of new space.

The New York State Legislature has approved an \$82 million program budget that includes \$60.2 million for new construction and \$5.8 million for rehabilitation. The balance has been set aside for site preparation, utilities, planning and some equipment.

There will be two new teaching centers, research laboratories and associated offices and technical support areas, a new small-animal clinic and an extension of the existing large-animal clinic. Improvements also are planned for the library, which has now reached maximum capacity, according to Dean Robert D. Phemister.

"The core physical plant, much of which was designed in the early 1950s, is aging, and there is not enough room to accommodate faculty members, teaching, research

and service programs," Phemister said. "The new and renovated facilities will help the college meet current and future needs by providing our faculty, researchers, staff and students with 21st century research, clinical and teaching-hospital space."

Students in the College of Veterinary Medicine learn to diagnose, prevent and treat animal diseases through their studies, internships and residencies, and through practical experience at the veterinary medicine teaching hospital. They are taught and advised by faculty members who have been

*'The core physical plant, much of which was designed in the early 1950s, is aging, and there is not enough room to accommodate faculty members, teaching, research and service programs.'*

— Dean Robert D. Phemister

responsible for many important breakthroughs in veterinary science. Cornell scientists, for example, were the first to recognize that diseases are sometimes caused by insects — a discovery that led to the control of yellow fever and malaria. Members of the college's faculty also have developed widely used animal vaccines against canine distemper, canine parvovirus, canine herpesvirus, feline calicivirus and hog cholera.

Researchers at the college are now conducting trials of vaccines to protect cats against feline infectious peritonitis, the most common fatal illness in cat-breeding facilities in the United States; using the world's most sophisticated treadmill for computer diagnosis of lameness in horses; and using ultrasound to explore abnormal conditions

## NOTABLES

R. Dean Boyd, associate professor of animal nutrition and metabolism, has received the Young Scientist Award from the Northeast Sections of the American Society of Animal Science and the American Dairy Science Association for his "outstanding research accomplishments." Among his most important contributions are studies with porcine somatotropin, or pig growth hormone, which when administered to growing swine resulted in unprecedented improvements in the rate and efficiency of growth with dramatically leaner meat.

Two professors in the School of Industrial and Labor Relations have been named founding members in new categories of membership in the National Academy of Social Insurance. Ronald R. Ehrenberg, the Irving M. Ives Professor of Industrial and Labor Relations and Economics, was elected a founding member in unemployment insurance, and ILR Professor John F. Burton was elected a founding member in worker's compensation. Also, Ehrenberg has been appointed to a three-year term on

the National Research Council's Committee on Military Enlistment Standards. The Council is the principal operating agency of the National Academy of Sciences and the National Academy of Engineering.

The book "Passions Within Reason: The Strategic Role of Emotions," by Professor of Economics Robert H. Frank, was among the books cited as the best recent writing about modern economics by Peter Passell in the Oct. 29 New York Times' annual section on Books and Business. Passell said that Frank "writes with real style — a rarity among economic theorists, who are generally more at home with the Greek alphabet."

Government Professor Milton J. Esman is the 1989 recipient of the Fred Riggs Award presented by the Section of International and Comparative Administration in the American Society for Public Administration, in recognition of "significant contributions to the field of international, comparative and development administration."



## Graduate Bulletin

**Survey:** A survey of graduate students' expenses and responsibilities is being mailed to all graduate students at their local addresses. Students for whom a local address is not available will receive the survey at the Graduate Field Office. Please return the surveys by Nov. 22. Students who do not receive a survey by Nov. 10 should phone 255-1935.

**Degree requirement:** To receive a graduate degree, students must have the final undergraduate transcript on file with the Graduate School. Students whose application was made before the conferral of their undergraduate degrees should check with the Graduate Records Office, Sage Graduate Center.

**Travel grants:** Conference travel grant applications are due at the Graduate Fellowship and Financial Aid Office, Sage Graduate Center, by Dec. 1 for January conferences. Application forms are available at Graduate Field Offices. Grants for transportation are awarded to registered graduate students invited to present papers.

**Graduate Student Council meeting:** will be held on Monday, Nov. 6, 5:15 p.m., in The Henry, Sage Hall.

**Fellowships:** Applications for National Science Foundation Graduate Fellowships and National Science Foundation Minority Graduate Fellowships are available in Graduate Fellowship Office; deadline is Nov. 9 for Part I.

Barton Blotter:

## Video recorder, marble slabs stolen

A \$1,045 video recorder stolen from Statler Hall was among 14 thefts involving losses of \$3,103 in cash and valuables, according to the morning reports of the Department of Public Safety for Oct. 23 through 29.

Other thefts included two marble slabs worth \$400 each taken from the north walkway of the Center for Theatre Arts and four bicycles worth \$1,353. Three false fire alarms were set off early in the morning on Oct. 29.

## Speakers urge reconciliation at memorial service for Todd Crane

Reconciliation of two college communities was the theme of a memorial service on campus on Oct. 26 for Todd M. Crane, the 22-year-old College of Human Ecology junior who died on Oct. 7, a day after being in a fight with an Ithaca College student.

The Rev. Robert L. Johnson, director of Cornell United Religious Work, presided at the memorial service and commended the strength and compassion of Crane's parents. He noted that they had arranged for organ donations from their son, who died of head injuries.

Johnson also described the university as a high-stress community in which alcohol is a major way for students to obtain release from stress. However, the price of using alcohol as a relief from stress is too high because of the violence and injury that it can inflict, Johnson added. The university community must find a way to discourage excessive drinking, he said.

Michael Faber, the Ithaca College Jewish

chaplain who represented that institution at the afternoon service in Anabel Taylor Hall, said: "We have heard talk of bewilderment and anger, talk of retribution. The only fitting way to memorialize Todd Crane is if this terrible thing draws our two campuses together."

"If we want to honor Todd and his memory, we should try and know each other better, and develop positive relationships," the IC chaplain continued.

At the service, attended by Crane's parents, friends and administrators from both schools — including Cornell President Frank H.T. Rhodes and Board of Trustees Chairman Stephen H. Weiss and other trustees — Cornell Episcopal Chaplain Gurdon Brewster asked all concerned to put aside "feelings of outrage and grief . . . to pull our two communities together so we can learn the fragileness and preciousness of life."

Funeral services for Crane were held on Oct. 11 in Addison, N.Y.

## CORNELL CHRONICLE

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CIRCULATION: Joanne Hanavan

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



# Students plan Renaissance feast for science writers

The 140 science writers coming to campus next week will be taken back in time to a glorious era in the history of science as seven School of Hotel Administration students unveil their Italian Renaissance banquet on Wednesday, Nov. 8.

The students plan to transform the conference room of the Biotechnology Building into a combination dining room, theater, museum and science laboratory as an independent study project for the Council for the Advancement of Science Writing's "New Horizons in Science Briefing" meeting here.

Guests are to be greeted by mimes at the door, and "Cold Fusion Cocktails" (an unrevealed punch concoction served by a "mad scientist" in a white coat and lab goggles) will kick off the event. The Renaissance ambience will be captured by the painters, mimes, ice sculptor and other artists who will move about the hall to entertain the guests while instrumental music of the times resounds throughout the hall.

The entertainers and waiters will be in Renaissance garb, and carvings, globes, telescopes, mobiles, posters and other props depicting the era will adorn the room. A town crier will announce the courses, and the menu will be elegantly written in calligraphy in Italian and English on a scroll to be placed at each diner's place setting.

The menu will feature Italian culinary curiosities such as tagliatelle pasta with roasted red pepper sauce; veal Gabriel: medallions of veal sauteed in buerre blanc sauce with capers; risotto with wild mushrooms; and a trio of amaretto cheesecake, gelato and a chocolate-dipped meringue served on raspberry coulis. Although the students planned the menu and directed the recipe development, the foods will be prepared and served by Cornell Catering.

"The students have been totally responsible for coming up with the theme and for planning the event and menu. But food is only part of the experience. They also have planned the entertainment, decorations and props," said Rupert Spies, a lecturer in the Hotel School who is supervising the students' work. The students are all enrolled in Spies' course on catering management.

"This project not only allowed the students to apply the principles of catering that they have learned in class but also to really showcase the variety of talents Cornell University has to offer," he added.

The students first explored other themes, including fairy tales centering on Alice in Wonderland or Robinson Crusoe, a mystery theme in which the science writers would have to deduce who was the "murderer" among them and a Medieval theme. They chose the Renaissance, however, because it "highlights the comparisons and contrasts between the worlds of art and science, and reflects how the educated



David Lynch-Benjamin

Hotel School students Andrew Smith (rear left), Bob Gallicano (second from right) and Linda Turnidge (right) and lecturer Rupert Spies (center) describe the dinnerware they are using for the science writers' banquet to Dennis Meredith (left), science editor in the Cornell News Service.

artistic genre relied on divine inspiration," the students said in their proposal.

"We wanted to make this an experience rather than just a meal," explained Linda Turnidge, one of the students planning the event.

"Since I'm planning on opening my own catering operation after graduation, this has been a valuable experience — we've had to do everything within certain budget and time constraints just as we would in the outside world," said Robert Lipkin, a senior in the Hotel School.

"But it's been hard, too. We've had to make all our own contacts and, being students, we've had a hard time with our credibility in borrowing props and costumes."

In planning the event, Lipkin said the students had to take into consideration what they had learned in class, including how the colors of the foods looked on the plates and how appropriate their choices were for the time of year.

"We had an original list of some 40 dishes and had to narrow it down, considering how labor intensive each dish was, and making sure that the dishes didn't feature the same food such as mushrooms or all look the same," explained hotel student Brian White.

"Finding out how much it really takes to plan an event like this has been quite an experience," said Nicole Kim. "It looks so easy but it's not!"

— Susan S. Lang

## Basic research in Japan behind U.S., expert says

The popular image of Japan is that of a world-class research power whose laboratories represent a formidable rival to those of America.

However, in reality, basic research at Japanese universities lags behind that of major U.S. research universities such as Cornell, according to Takashi Mukaibo, the Japanese co-chairman of a joint U.S.-Japan committee on basic research who visited campus last week.

Mukaibo, former president of Tokyo University, joined his co-chairman, Cornell President Emeritus Dale Corson, for a three-day meeting of the U.S.-Japan Science Co-operation Committee. The committee on basic research, administered by the National Science Foundation, is the policy arm of one of the oldest U.S.-Japan bilateral agreements. Its aim is to develop policies to aid cooperation in basic research between the two countries.

Mukaibo expressed admiration for both the American educational system's flexibility and the high quality of research facilities at Cornell and other research universities.

"In the U.S., students can finish their undergraduate work and go to graduate school at other universities," he said in an interview. Mukaibo said that in Japan, students must stay at their undergraduate university. "American students can also change fields," he said. "In Japan, they cannot do that."

Mukaibo also praised the U.S. commitment to basic research facilities, compared to the commitment in Japan.

"In Japan, facilities, especially in advanced technologies, are very poor in universities compared with the U.S."

Japan is working to improve its basic research by building large central research facilities in fields such as high energy physics and space science that will be used in common by many universities, Mukaibo said. The country also has established a center for graduate research, the Science and Technological University of Okazaki.

Although Japan has few problems at-



Takashi Mukaibo

tracting students to graduate study in engineering, it has trouble keeping them in the field, Mukaibo said. The country loses large numbers of young engineers to banking and security companies, he said.

Among the potential areas of joint research being discussed by the committee are global environmental studies, Corson said. During the meeting, the Japanese revealed a large commitment to research on the global warming problem and in biodiversity, he said.

"They told us about a \$280 million program of global environmental research, and that represents only one government agency. By contrast, in the U.S., all agencies together propose to conduct only about \$190 million in research in that area," said Corson, who added that he was impressed by the Japanese commitment.

"In both countries, there is a recognition that there are potential catastrophes that have to be addressed," he said. "Also, the committee agreed that in any commitment to global environmental problems, Third World countries must be included," said Corson.

— Dennis Meredith

## Arecibo yields insights into Venus' surface

New high-resolution maps of the surface of Venus have been developed by astronomers using the giant 1,000-foot radio/radar telescope at Arecibo.

The maps, which can resolve objects from 1.5 to 2 kilometers in size, offer new insights into volcanic activity on the planet. They also offer a useful preview of the Venusian surface for the Magellan radar-mapping mission to the planet. That probe will map the surface with an unprecedented resolution of 150 to 250 meters when it encounters the planet in 1990.

Researchers from the National Astronomy and Ionosphere Center (NAIC) and Brown University published their results in the Oct. 20 issue of the journal Science. The researchers were Donald Campbell, acting director of NAIC, James Head of Brown, Alice Hine and John Harmon of NAIC and David Senske and Paul Fisher of Brown.

*"What showed up very clearly in these maps was the very large role volcanism plays in forming the planet's surface. It has not been appreciated before that in the region we studied, volcanism appears to be the dominant geological process."*

— Donald Campbell

The telescope in Puerto Rico is a national facility supported by the National Science Foundation and operated by Cornell.

Radar maps are made by beaming radar waves from the Arecibo telescope to Venus and then detecting the reflections from the planet's surface. Using computers, the scientists then translate the data on the reflections into maps that reveal surface features.

The latest maps were made using radar observations of the planet made last year. The observational data were contained on some 200 magnetic computer tapes. The improved resolution was made possible by improvements in the telescope's transmitter



Charles Harrington

Donald Campbell poses with maps of the surface of Venus that were developed using the Arecibo telescope.

and receiver and in data analysis techniques.

"What showed up very clearly in these maps was the very large role volcanism plays in forming the planet's surface," Campbell said. "It has not been appreciated before that in the region we studied, volcanism appears to be the dominant geological process."

The maps revealed several styles of Venusian volcanic activity, the researchers said. The radar images showed large volcanic "edifices" that represented the buildup of volcanic material in one area, as well as flat plains with many volcanic vents.

Campbell and Head will use the data to help conduct the Magellan radar-mapping mission.

— Dennis Meredith



# CALENDAR

All items for the calendar should be submitted (typewritten, double spaced) by campus mail, U.S. mail or in person to Joanne Hanavan, Chronicle Calendar, Cornell News Service, Village Green, 840 Hanshaw Road, Ithaca, NY 14850.

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

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

## 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.

Instruction and requests, Nov. 5, 7:30 to 10:30 p.m., North Room, Willard Straight Hall. A business meeting will be held 6:30 to 7:30 p.m.

Series on basic folkdancing, co-sponsored by the Cornell Wellness Program, will be held Tuesdays, 7 to 9 p.m., through Nov. 7, in the Dance Studio, Helen Newman Hall. Review and party will be held Nov. 7. For more information, call 273-0707 or 539-7335.

### Israeli Folkdancing

Israeli folkdancing, Nov. 2, 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. Phone: 255-6464.

"Form and Function in African Art," an exhibition on view through Dec. 23, contains masks, staffs and textiles that were created to be part of everyday life and were used in ritual ceremonies, dances and other activities.

Department of Art Faculty Exhibition, featuring the work of current and emeritus members of Cornell's art department, to Dec. 22.

"Council of the Creative and Performing Arts Individual Awards 1986-1989," will be on view Nov. 10 through Dec. 22. The exhibition, featuring approximately 50 projects completed by the award winners of the past three years, brings together work from a wide range of departments and colleges within the university.

"Tricks of the Flicks: Part 2," an animation workshop for children, presented by John Canemaker, film animator, animation historian and writer, Nov. 18. The workshop is part of the Ithakid Film Festival, a collaborative effort of the Johnson Museum, Cornell Cinema and the Ithaca Youth Bureau. Children ages 9 and 10 meet from 10 a.m. to noon; ages 11 and 12 meet from 1 p.m. to 3 p.m. Preregistration is required by Nov. 3 by calling 255-6464.

### Center for Jewish Living

"Portrait of A Land in Turmoil," an exhibition by Avner Moriah, through Dec. 20, Sunday through Thursdays, 1 p.m. to 5 p.m., in the Gallery of Art, Center for Jewish Living, 106 West Ave.

### Olin Library

"Subjects into Citizens: Image and Discourse in the French Revolution," a colorful and varied exhibition from Cornell's French

Revolution Collection will be on display in Olin Library Monday through Friday, 8 a.m. to 5 p.m., through Jan. 3.

### Tjaden Gallery

Group Exhibition with students of Kay WalkingStick, through Nov. 3. The gallery is in Tjaden Hall.

### Unions & Activities

The Delaware County Historical Association Quilt Exhibition with quilts, wall hangings and photographs of quilt making, through Nov. 10, art gallery, Willard Straight Hall.

## FILMS

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

### Thursday, 11/2

"Boot Polish," directed by P. Arora and Raj Kapoor, sponsored by South East Asia Film Series, 3:30 p.m., 310 Uris Library.

Glasnost Film Festival, Program 1, "The Evening Sacrifice," "Against the Current," "Chernobyl: Chronicle of Difficult Weeks," "Black Square," co-sponsored by Pentangle, 7:30 p.m., Uris.\*

"The World is Watching," CUSLAR Film Series, 8 p.m., auditorium, Anabel Taylor Hall.

### Friday, 11/3

"High Hopes" (1988), directed by Mike Leigh, with Philip Davis, Ruth Sheen and Edna Dore, 6:50 p.m., Uris.\*

"Conan the Destroyer" (1984), directed by Richard Fleischer, with Arnold Schwarzenegger and Grace Jones, 8 p.m., Anabel Taylor.\*

"Batman" (1989), directed by Tim Burton, with Michael Keaton, Jack Nicholson and Kim Basinger, 9:15 p.m., Uris.\*

"Gimme Shelter" (1970), directed by David Maysles, with Mick Jagger, Ike & Tina Turner and Jefferson Airplane, midnight, Uris.\*

### Saturday, 11/4

"Celebrations of the Heirship," and "Shri Ram is Exiled," parts 13 and 14 of the video saga "Ramayan," an Indian epic, co-sponsored by the South Asia Program and Cornell University Library, 1:30 p.m., 310 Uris Library.

"Batman," 7 p.m., Uris.\*

"Purple Death from Outer Space" (1940), compilation of serial episodes of "Flash Gordon Conquers the Universe," 8 p.m., Anabel Taylor.\*

"We Think the World of You" (1988), directed by Colin Gregg, with Alan Bates, Gary Oldman and Max Wall, 9:45 p.m., Uris.\*

"Batman," midnight, Uris.\*

### Sunday, 11/5

"Boot Polish," sponsored by South East Asia Film Series, 3:30 p.m., 310 Uris Library.

"To Be Or Not To Be" (1942), directed by Ernst Lubitsch, with Jack Benny and Carole Lombard, 8 p.m., Uris.\*

"Batman," 4:30 p.m., Uris.\*

### Monday, 11/6

Making "Do the Right Thing" (1989), directed by St. Clair Bourne, with Spike Lee. Shown with Spike Lee's "Joe's Bed Stuy Barber-shop" (1982), 7 p.m., Uris.\*

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

### Tuesday, 11/7

"Vietnamese Buddhism in America," and "Rebirth of a Culture: A Lao Temple in the Midwest," Southeast Asia Film Series, 4:30 p.m., 310 Uris Library.

Glasnost Film Festival, Program 2, co-sponsored by Russian Literature, "Adonis XIV," "Scenes at a Fountain," "Homecoming," "Tomorrow is a Holiday," "Final Verdict," 7:30 p.m., Uris.

### Wednesday, 11/8

"Tapei Story" (1984), directed by Edward Yang, co-sponsored by East Asia Program, Hokkien and Mandarin with Chinese and English subtitles, 4:30 p.m., Uris.

"A Child is Waiting" (1963), directed by John Cassavetes, with Burt Lancaster and Judy Garland, 7 p.m., Uris.\*

"Batman," 9:30 p.m., Uris.\*

### Thursday, 11/9

"Satyam Shivam Sundaram," directed by Raj Kapoor, sponsored by South Asia Film Series, 7:30 p.m., Uris.\*

## LECTURES

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

"Bridges and Culture in Modern Japan," David P. Billington, civil engineering, Princeton University, and A.D. White Professor-at-Large, Nov. 2, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

### Art

Susan Meiselas, photographer, the Nancy G. Dickenson Visiting Artist Lecture Series, Nov. 7, 5 p.m., 115 Olive Tjaden Hall.

### Center for Environmental Research

"Tropical Forests, Deforestation and the Global Nitrogen Cycle," Peter Vitousek, Stanford University, Distinguished Lecturer Series on Emerging Environmental Issues, co-sponsored by Ecosystems Research Center, Nov. 2, 3 p.m., auditorium, Boyce Thompson Institute.

### Classics

"Gender and Ethnicity in the Public Art of the Roman Empire: the Trajanic Period," Nathalie B. Kampen, Barnard College, Nov. 9, 4:30 p.m., 22 Goldwin Smith Hall.

### Communication

"Opportunities and Constraints for Science on Television," Jonathan Ward, head of The Universe Group, and former executive producer of the "CBS Evening News" and "Walter Cronkite's Universe," Nov. 3, 2:30 p.m., Communication Graduate Center, 640 Stewart Ave.

"Science Writing: From Peer Review to No Review," an open discussion about how much to rely on information that appears in various kinds of publications, Nov. 5, 3 p.m., Conference Room, Statler Hotel. Panelists include: David Brown, associate director, Office of Research and co-editor of "New York State's Food and Life Sciences Quarterly"; Lee Miller, managing editor, Ecological Society of America; Tom Siegfried, science editor, Dallas Morning News; Charles Walcott, executive director, Laboratory of Ornithology and consultant to Children's Television Workshop; and Sheila Jasanoff, director of the Program on Science, Technology and Society.

### Cornell Research Club

"With Gun and Camera in the Creationist Paradise: Responses of the Scientific Community to Changes in Public Education and Political Control of the Teaching of Evolution," Kenneth A.R. Kennedy, ecology, anthropology and Asian studies, Nov. 2, 12:50 p.m., 114 Martha Van Rensselaer Hall.

### CUSLAR (Committee on U.S. Latin American Relations)

"Political Conditions in Chile on the Eve of the Elections," Leonardo Vargas, Chilean sociologist, Nov. 6, 7 p.m., Commons Coffeehouse, Anabel Taylor Hall.

### East Asia Program

"New Year's Eve in Saikaku: Tokugawa Capitalism and Narrative Structure," Katsuto Iwai, economics, University of Tokyo, visiting professor, economics, University of Pennsylvania, and "Finishing the Unfinished Soseki: Writing the Continuation of Meian," Minae Mizumura, lecturer of modern Japanese literature, Princeton University, Nov. 9, 4 p.m., 374 Rockefeller Hall.

### Jewish Studies Program

"Tradition of the Hebrew Language," Shelomo Morag, Hebrew University of Jerusalem, co-sponsored by Near Eastern Studies, Nov. 7, 2:30 p.m., 374 Rockefeller Hall.

### Law School

"Equitable Patent Protection for the Debt World: Results of a Workshop," William Lesser, agricultural economics and Joseph Straus, visiting professor of law, Nov. 8, noon, East Lounge, Myron Taylor Hall.

### Religious Studies

"The Arts of Healing: Physicians, Gods and Healers," Pheme Perkins, the Rachel Rebecca Kaneb Visiting Professor in Catholic Studies, Nov. 2, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

### Society for the Humanities

"Hacking Away at the Counterculture: Mythologies of Hi-Tech Heroism," Andrew Ross,

English, Princeton University and Fellow, Society for the Humanities, Nov. 8, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

### Western Societies Program

"New and Old in the Italian Communist Party," Renato Mannheimer, University of Milan, Nov. 2, 12:15 p.m., 153 Uris Hall.

"The New Man in Modern Revolutionary Movements: The Creation of Modern Masculinity," George Mosse, University of Wisconsin, Mellon visiting scholar, Nov. 2, 4:30 p.m., A.D. White House.

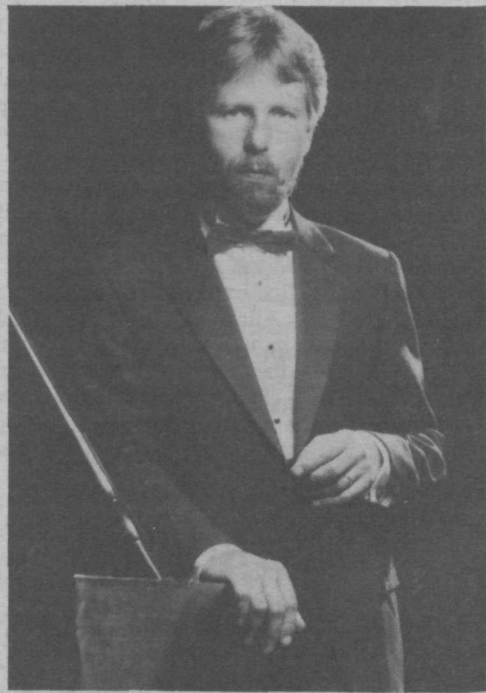
"The Repression of Political Participation and Literacy: Barcelona, 1936-1977," Mercedes Vilanova, University of Barcelona, Nov. 3, 12:15 p.m., 153 Uris Hall.

"The New Man in Modern Revolutionary Movements: The New Man in the Inter-War Years," George Mosse, University of Wisconsin, Nov. 6, 4:30 p.m., A.D. White House.

"The Political Economy of European Monetary Integration," Luigi Spaventa, Luigi Einaudi Professor of European and International Studies, University of Rome, Nov. 8, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

## MUSIC

### Bailey Hall Series



Sergei L. Petrov

### Vladimir Feltsman

Pianist Vladimir Feltsman will give the next concert in the 1989-90 "Grand Pianist Series" on Tuesday, Nov. 14, at 8:15 p.m. in Bailey Hall. His program will include the Chaconne in D Minor by J.S. Bach, the Sonata No. 8 in A minor, K. 310 by Mozart, and the Sonata in B minor by Franz Liszt.

Feltsman studied piano at the Moscow State Conservatory and first received international attention in 1971 when he won first prize at the Marguerite Long-Jacques Thibaud International Competition in Paris. In the two years following his triumph, he toured major cities in the Soviet Union and was allowed to travel to the West, giving concerts in Belgium, Italy and later in Japan and France.

But immediately after he and his wife applied for an immigration visa in 1979, his performances were cancelled, his tapes and records removed from stores and radio stations and his travel permits withdrawn. After eight years of artistic isolation, he and his family were allowed to leave the Soviet Union.

Feltsman won critical accolades from the American press during his debut season in this country. A highly publicized concert at the White House and important first performances in Carnegie Hall, the Kennedy Center and Chicago's Orchestra Hall established his reputation as a major keyboard artist.

Tickets for the concert are on sale at the Lincoln Hall ticket office, Monday through Friday, 9 a.m. to 1 p.m., 255-5144; at the Center Ithaca Box Office, Tuesday through Saturday, 11:15 a.m. to 4:30 p.m., 273-4497; and the night of the performance at Bailey Hall. Prices for the general public are from \$12.50 to \$20; for students, from \$10.50 to \$17.

### Cornell Cinema

Cornell Cinema will present the Clubfoot Orchestra in Uris Auditorium on Saturday, Nov. 11. The orchestra will accompany two of the classic German expressionist silent films, "The Cabinet of Dr. Caligari," 7:30 p.m. and "Nosferatu," 9:30 p.m. Tickets can be pur-



ed at the Willard Straight Hall Ticket Of-  
for either performance for \$6 or both for

ounded in 1983 by composer and musician  
ard Marriott and managed by former Ith-  
Michael Dingle, the 10-person orchestra  
n San Francisco includes keyboards, brass,  
adwind, strings and electric guitar. The  
ctic music is a blend of classical and pro-  
sive jazz, new-wave and reggae.

The first program will feature the expres-  
ist masterpiece, "The Cabinet of Dr. Cali-  
" a haunting story of a carnival entertainer  
sends his hypnotized slave out to commit  
ly murders. To develop his dreamlike  
re, Marriott used Apple Computer software  
allowed him to synchronize his musical  
nes with the actors' movements. The re-  
according to Variety, is a "...grand, giddy  
of so many genres and tempos that it  
ches the impressionism and dissonance of  
celebrated story." "Entre'Act," a short d-  
film by Rene Clair, will open the pro-  
n.

The second performance will feature the or-  
stra accompanying "Nosferatu," the first  
version of Bram Stoker's "Dracula." The  
re "...sounds contemporary, yet not at odds  
a the period piece up there on the screen,"  
ording to the Los Angeles Times.

partment of Music

Monique Cho will give a student piano re-  
l, Nov. 3, 8:15 p.m., Barnes Hall. Ludwig  
Beethoven's Sonata No. 3 in F Minor, Op.  
("Appassionata") and Mussorgsky's "Pic-  
as an Exhibition" will be performed.

Cornell Chamber Ensemble, under the di-  
ction of John Hsu, will perform works by  
adel's Concerto Grosso in E Minor, Op. 6  
3; Edvard Grieg's Suite for Strings, Op.  
from Holberg's Time; and Felix Men-  
sohn's Sinfonie in D for strings, Nov. 4,  
5 p.m., Barnes Hall.

und for Glory

Ann Reed, songwriter, will present three  
sets in the Commons Coffeehouse, Anabel  
Taylor Hall, Nov. 5, 8:30, 9:30 and 11:30 p.m.  
und for Glory can be heard Sundays from 8  
11 p.m. on WVBR-FM, 93.5.

ions & Activities

Classics-at-Noon, Nov. 8, Memorial Room,  
llard Straight Hall.  
Coffeehouse, Nov. 2, 8 p.m., Memorial  
om, Willard Straight Hall.

## READINGS

Grace Paley, short story writer, will give a  
and reading as part of the series, "A Cele-  
tion of Jewish Life," Nov. 8, 8 p.m., Hollis  
Cornell Auditorium, Goldwin Smith Hall.  
kets at \$4 and \$3 for students are available  
Smedley's book shop, Hillel and at the door.  
kets for the series are \$12, \$9 for students.

## RELIGION

ge Chapel

Robert C. Gregg, university chaplain, Stan-  
d University, will deliver the sermon at Sage  
apel on Nov. 5. Services will begin at 11  
a.m. Music will be provided by the Sage  
apel Choir. Sage is a non-sectarian chapel  
t fosters dialogue and exploration with and  
ong the major faith traditions.

tholic

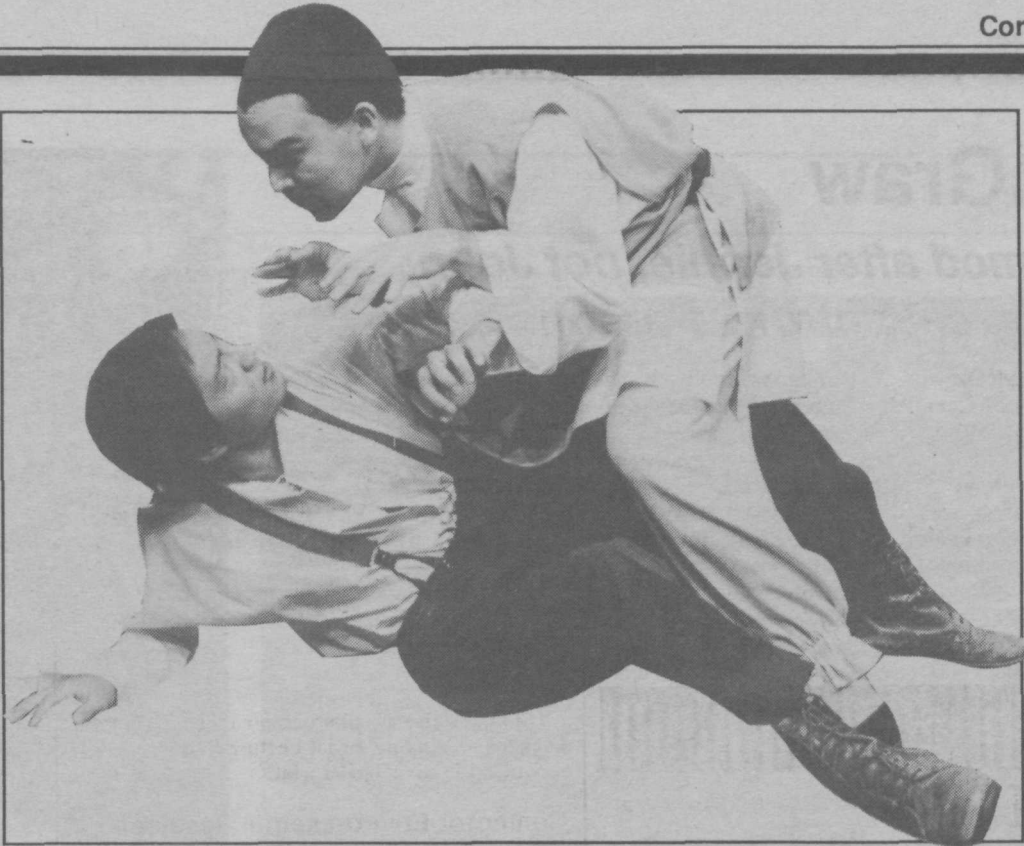
Mass: Saturdays, 5 p.m., Anabel Taylor Au-  
ditorium.  
Mass: Sundays, 9:30 a.m., 11 a.m., 5 p.m.,  
abel Taylor Auditorium.  
Daily Masses, Monday through Friday,  
20 p.m., Anabel Taylor Chapel.

ristian Science

Testimony Meeting: Thursdays, 7 p.m.,  
abel Taylor Founders Room.

iscopal (Anglican)

Sundays, Worship & Eucharist, 9:30 a.m.,  
Gordon Brewster, Chaplain, Anabel Tay-  
Chapel.



Patricia Reynolds

Ricky T. Li (bottom) and Chris Sharp in David Henry Hwang's "The Dance and the Railroad," directed by Keith Grant and being performed Nov. 2, 9 and 10 at 8 p.m. and Nov. 4 and 11 at 5 and 9 p.m. at the Center for Theatre Arts.

### Friends (Quakers)

Sundays, 10 a.m., adult discussion; 11 a.m.  
meeting for worship, Edwards Room, Anabel  
Taylor Hall. Call 272-8755 for information.

### Jewish

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

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

### Korean Church

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

### Muslim

Fridays, 1 p.m., Anabel Taylor Edwards  
Room.

### Protestant

Protestant Cooperative Ministry: Bible study,  
Sundays, 10 a.m., G-7 Anabel Taylor; Sunday  
worship, 11 a.m., Anabel Taylor Chapel.

### Zen Buddhism

Zazen meditation: Thursdays at 5 p.m. in the  
chapel, Anabel Taylor Hall. For more informa-  
tion or to arrange beginner's instruction, tele-  
phone Jon Warland at 257-1404.

## SEMINARS

### Agricultural Economics

"A Retail-Level Hedonic Analysis of Milk  
Component Values," John Lenz, Washington  
State University, Nov. 3, 9 a.m., 401 Warren  
Hall.

### Applied Mathematics

"A New Method for Multiple-Scale Perturba-  
tion Problems with Proofs of Validity," Steve  
Woodruff, Brown University, Nov. 3, 4 p.m.,  
322 Sage Hall.

### Astronomy

"Evolution of Globular Clusters in the Gal-  
axy," David Chernoff, radiophysics and space re-  
search, Nov. 2, 4:30 p.m., 105 Space Science  
Building.

"Pluto," James Elliott, MIT, Nov. 9, 4:30  
p.m., 105 Space Sciences Building.

### Biochemistry, Molecular & Cell Biology

"Structure and Dynamics of Chromatin,"  
Evangelos N. Moudrianakis, biology, The Johns  
Hopkins University, Nov. 3, 4 p.m., Large Con-  
ference Room, Biotechnology Building.

### Biophysics

"Molecular Recognition of Transfer RNA,"  
Paul Schimmel, biology, MIT, Nov. 8, 4:30 p.m.,  
700 Clark Hall.

### Chemistry

General Chemistry Colloquium, "Molecular  
Beams Studies of Vibrational Energy Flow in

Polyatomics," Charles S. Parmenter, Indiana  
University, Nov. 2, 4:40 p.m., 119 Baker Labora-  
tory.

Organic Chemistry Seminar, "Single Electron  
Transfer: The Key to Relating Heterolysis to  
Homolysis," Edward Arnett, Duke University,  
Nov. 6, 4:40 p.m., 119 Baker Laboratory.

General Chemistry Colloquium, "Coupled  
Chemical Oscillators: Dynamics, Mechanistic  
Studies and Applications to Biology," Irving R.  
Epstein, Brandeis University, Nov. 9, 4:40 p.m.,  
119 Baker Laboratory.

### Cooperative Extension Forum

"AIDS Education in New York State," Kay  
Obendorf, textiles and apparel; Jerome Ziegler,  
Don Tobias and Jennifer Tiffany, human service  
studies, Nov. 6, 9 a.m., 401 Warren Hall.

### Design & Environmental Analysis

"Developing and Managing Commercial Fa-  
cilities: The Houston Calleria," Osma Caroll,  
Prentiss Property, Houston, Texas, Nov. 6, 4:30  
p.m., 200 Savage Hall.

### Ecology & Systematics

"Biochemical, Morphological and Ecological  
Variation in Freshwater Copepods," Marc G.  
Boileau, postdoctoral fellow, ecology and sys-  
tematics, Nov. 8, 4:30 p.m., A106 Corson/Mudd  
Hall.

### Electrical Engineering

"Formal Hardware Verification and Synthe-  
sis," Miriam Leiser, electrical engineering, Nov.  
7, 4:30 p.m., 219 Phillips Hall.

### Environmental Toxicology

"Public Perceptions and Practices Related to  
Fish with Elevated Levels of Contaminants from  
New York Waters," Carole Bisogni, nutritional  
sciences, Nov. 3, 12:20 p.m., 304 Femow Hall.

### Epidemiology

"Introduction to the Regression-Discontinuity  
Design in Psychosocial Epidemiology," Joe Cap-  
pelleri, human service studies, Nov. 3, 12:20  
p.m., 260 Warren Hall.

### Floriculture & Ornamental Horticulture

"Ornamental Horticulture in Kenya," Ken  
Mudge, floriculture and ornamental horticulture,  
Nov. 2, 12:15 p.m., 404 Plant Science Building.

"Use of Degree Day Forecasting and Horti-  
cultural Oils for Pest Management," Warren  
Johnson, entomology, Nov. 9, 12:15 p.m., 404  
Plant Science Building.

### Food Science

"Molecular Mechanics Studies of Carbohy-  
drates," John Brady, food science, Nov. 7, 4:30  
p.m., 204 Stocking Hall.

### Genetics & Development

"The Long and Winding Road of *Drosophila*  
Fertilization: A Paternal Structure in the Early  
Embryo," Tim Karr, biochemistry, University of  
Illinois, Nov. 6, 4 p.m., Conference Room, Bio-  
technology Building.

### Hillel

"What is Midrash?" Topics in Jewish Tradi-  
tion, Nov. 6, 8 p.m., 314 Anabel Taylor Hall.

### History & Philosophy of Science & Technology

"From the Science Editor's Desk," Chris Ray-

mond, associate editor for social sciences,  
Chronicle of Higher Education, Nov. 8, 4:30  
p.m., 110 Rockefeller Hall.

### Immunology

"Adhesion Molecules and Human T Cell  
Recognition: Functional Consequences of  
Interaction at the Cell Surface," Yogi Shimizu,  
National Cancer Institute, Experimental Immu-  
nology Branch, National Institutes of Health,  
Nov. 2, 12:15 p.m., G-3 Vet Research Tower.

### Industrial & Labor Relations

"The Continuity of Personality Across Time  
and Circumstance," Daryl Bem, psychology,  
Nov. 2, 4 p.m., 216 Ives Hall.

### International Nutrition

"Real-Life Constraints to Improved Nutri-  
tion at the Village Level in Zaire," Rebecca  
Kliwer, grad student, nutritional sciences,  
Nov. 2, 12:40 p.m., 200 Savage Hall.

### Materials Science & Engineering

"Silicon in Motion; Micromechanical Sys-  
tems," Noel MacDonald, Nov. 2, 4 p.m., 140  
Bard Hall.

"Computer Simulation of Phase Transfor-  
mations," Marcia Grabow, AT&T Bell Labs,  
Nov. 9, 4:30 p.m., 140 Bard Hall.

### Mechanical & Aerospace Engineering

"Chaotic Dynamics in Europe and Other  
Oktoberfest Stories," Francis Moon, mechani-  
cal and aerospace engineering, Nov. 7, 4:30  
p.m., 107 Upson.

Manufacturing Seminar, "The Engineer in  
Private Practice," Howard Colm, Colm Engi-  
neering, Nov. 2, 4:30 p.m., B14 Hollister Hall.

### Modern Languages & Linguistics

Title to be announced, Fred Landman, Nov.  
7, 4:30 p.m., 111 Morrill Hall.

### Natural Resources

"Spruce Plantations in British Uplands: En-  
vironmental and Management Problems," Timo-  
thy J. Fahey, natural resources, Nov. 7, 12:20  
p.m., Femow Hall.

### Neurobiology & Behavior

"Reproduction in a Montane Sparrow: Envi-  
ronmental and Hormonal Effects," Martin L.  
Morton, biology, Occidental College, Nov. 9,  
12:30 p.m., Morison Seminar Room, Corson/  
Mudd Hall.

### Nutrition

"Hormonal Regulation of Protein Metabo-  
lism in Humans: Studies Using Amino Acid  
Tracers," Dwight Mathews, biochemistry in  
medicine and surgery, Cornell Medical Col-  
lege, Nov. 6, 4:30 p.m., 100 Savage Hall.

### Ornithology

"Migratory Birds and Their Habitats on the  
Platte River," John Sidle, biologist and pilot,  
U.S. Fish and Wildlife Service, Nebraska, Nov.  
6, 7:45 p.m., Laboratory of Ornithology, 159  
Sapsucker Woods Road.

### Peace Studies Program

"Nordic Security: Peaceful Backwaters in a  
Turbulent Sea," Tomas Ries, Institute for De-  
fense Studies, Oslo, Norway, Nov. 2, 12:15  
p.m., G-08 Uris Hall.

"Reconsidering the American Nuclear Mo-  
nopoly: 1945-1949," George Quester, Univer-  
sity of Maryland, Nov. 9, 12:15 p.m., G-08  
Uris Hall.

### Pharmacology

"Expression of Human Cytochrome P450  
cDNA in Tissue Culture," Frank J. Gonzales,  
Laboratory of Molecular Carcinogenesis, Na-  
tional Institute of Health, Nov. 6, 4:30 p.m., G-  
3 Vet Research Tower.

### Plant Biology

"Transport of Protein Between Cytoplasm  
and Leucoplasts," Sheila Blackman, Boyce Th-  
ompson Institute, Nov. 3, 11:15 a.m., 404 Plant  
Science Building.

### Plant Pathology

"Fusarium: Taxonomy, Biology and Toxi-  
genicity," P.E. Nelson, Nov. 7, 4:30 p.m., 404  
Plant Science Building.

### Poultry Biology

"Salmonella and the Poultry Industry,"  
Robert C. Baker, poultry and avian sciences,  
Nov. 2, 4:30 p.m., 300 Rice Hall.

### Psychology

"Visual Control of Locomotion," William  
Warren, psychology, Brown University, Nov.  
3, 3:30 p.m., 202 Uris Hall.

Continued on page 8



# The wrong McGraw

**Tower should be named after Jennie, not John;  
She was building's 'great patron,' Parsons says**

There is no question in K.C. Parsons' mind that McGraw Tower, as the most enduring and unifying symbol of Cornell, should be named for Jennie McGraw (Fiske) and not for her father, John McGraw.

As the key speaker at last week's ceremony celebrating the 100th anniversary of the laying of the cornerstone for the tower and what is now Uris Undergraduate Library, Parsons said he believes that Jennie McGraw in many ways really was the "great patron of the library building."

Parsons, a professor of city and regional planning and author of "The Cornell Campus: A History of Its Planning and Development," pointed out that the tower houses "Jennie McGraw's first gift," the nine bells she gave to the university for its opening day in 1868.

He also said that there is evidence that Jennie McGraw may have been the inspiration behind her father's decision to finance the construction of McGraw Hall in 1869, a section of which was to house the library until a separate library could be built where Uris Library stands today.

"She continued her interest in the library, its building, after her father died in 1878," Parsons said, adding that "her will left the university most of her very large fortune," much of which was to be used for construction of a new library.

But her wishes were thwarted after her death in 1881 by the successful challenge to provisions of her will by her husband of less than 15 months, D. Willard Fiske, the university's first librarian. (See the Oct. 26 Chronicle for a description of the case.)

And it was in her memory that Henry W. Sage, chairman of the Board of Trustees, financed the construction of the new library and its tower, Parsons added.

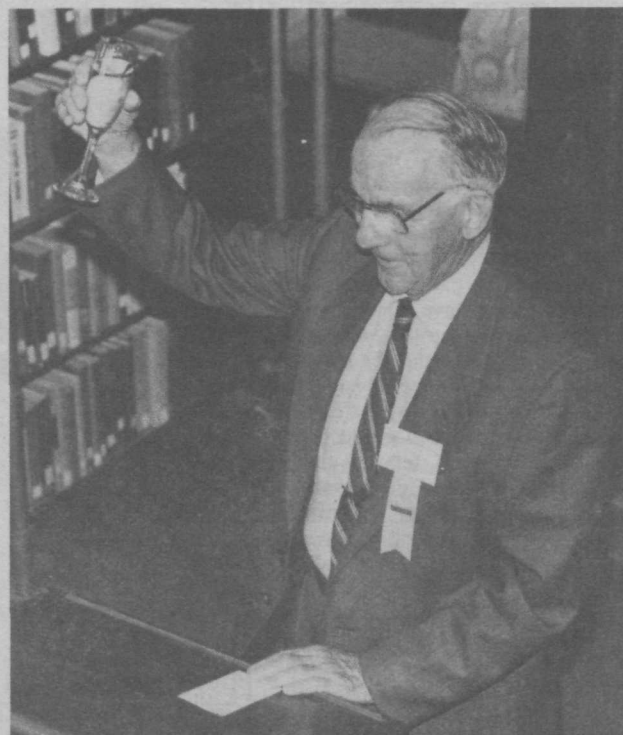
Parsons said that in the long run her desire to support Cornell's book collection and library was in some ways fulfilled to even a greater degree than it would have been if the university had won the will case.

Upon his death in 1904 in Europe, Fiske left the university his Dante, Petrarch, Icelandic and other major book collections and more than \$500,000, an amount more than equal the value of the Jennie McGraw Fiske estate that he received in the "Great Will Case."

Parsons said the tower, with its clock and bells marking the irrevocable passage of hours, stands guard over the library, symbolizing what is most important about Cornell.

"The chimes," he concluded, "remind us every day of love, of learning and of our work."

—Martin B. Stiles



Chris Hildreth

President Emeritus Dale R. Corson leads a toast to Uris Library and McGraw Tower at last week's 100th anniversary celebration.

## Cornell Council briefed

# Early disclosure of animal research proposals opposed

Already burdened by overlapping federal and state regulations and intimidated by threats to facilities and their lives, some biomedical researchers who use laboratory animals may give up altogether if animal rights activists achieve their next goal — public access to research proposals through the Freedom of Information Act.

That is the prediction of Dr. Fred W. Quimby, director of the university's Center for Research Animal Resources, who briefed members of Cornell Council committees on state and federal relations last week. Quimby heads the department that oversees usage of all vertebrate animals in the university's teaching and research. Committee members, who are concerned with the impact of federal and state legislation and funding on the university, also heard from three researchers who use animals in their scientific studies.

Complying with government regulation on research animal welfare is becoming more time-consuming and costly, Quimby said, displaying a one-inch-thick book of rules that went into effect in the past year. At the same time, animal rights activists are breaking into research facilities to steal data and animals and threatening the lives of scientists and

their families, Quimby added.

Some details of research approved for government grants already are a matter of public record. Now animals rights groups are taking legal action to force disclosure of proposals while they still are in the review process, Quimby reported.

"The animal rights advocates want to make it so laborious to use animals that the research will be discontinued," he said, noting that more than half of all biomedical research at Cornell's Medical College depends on animals of some kind — mostly mice and rats.

Earlier in the briefing, Cornell's vice president for research and advanced studies, Norman R. Scott, told council members that the university conducts the fifth-highest volume of life sciences research in the country. About 60 percent of funding for Cornell's research comes from the federal government.

The director of Cornell's Laboratory for Pregnancy and Newborn Research, Dr. Peter W. Nathanielsz, told how his studies aimed at lessening human infant mortality depend on animal models, including sheep and non-human primates.

Computer modelling, which is one alternative to animal models, is only as good as the data it is based on, and that information initially must come from living organisms, the obstetrician and physiologist said.

Dr. Barry J. Cooper, the veterinary pathologist who is credited with finding the defective gene that makes dogs an animal model for Duchenne muscular dystrophy in humans, said a new treatment for that fatal, crippling disease is ready to be tested.

"But we are not justified [at this stage] in intervening with human patients," he said, citing the "psychological harm to the family" of raising false hopes before a cure is certain.

And animals help animals, said John E. Parks, an assistant professor of animal science and specialist in reproductive physiology who was involved in restoring populations of the endangered peregrine falcon. Parks said captive breeding techniques such as artificial insemination and the cryogenic preservation of semen were based on technologies originally developed for production animals.

—Roger Segelken

# Gurowitz: Jewish Center should reopen Kosher Dining Hall now

The Jewish Living Center should reopen its Kosher Dining Hall immediately while negotiations continue on arrangements for the university to assist in its operations, Cornell's vice president for campus affairs, William D. Gurowitz, said in a letter sent on Oct. 27 to Rabbi Laurence Edwards of Cornell United Religious Work and Hillel.

In his letter to Edwards, who is the convener of the hall's advisory board, Gurowitz stressed that the Kosher Dining Hall "is not, nor has it ever been, a university facility." Gurowitz said the university's position on this has been clear and consistent since it first learned of the Jewish Living Center's plans to operate a kosher dining hall. "The advisory board chose to close the hall, it has the responsibility to open it," he said in the letter.

He added that he was urging the board to act immediately because right now "students are being used and are being hurt." The board closed the dining hall and stopped serving kosher meals on Oct. 16.

Gurowitz said in his letter that when the advisory board announced the closing, Norman Turkish, a member of the board, "specifically told me that it was closed for '10 to 12 working days,' at which time new staff would be coming on."

"The implication was clear that the hall would be open after the 10-12 days. Apparently the advisory board has not yet chosen to make the decision to open the hall."

Gurowitz also said in the letter that recent meetings between university and Kosher Dining Hall representatives do not indicate "any significant barriers to agreement."

Young Israel, a Cornell student organization, has operated the cooperative house for tradition-oriented Jewish students at 106 West Ave. since the 1950s. However, about two years ago, the National Council of Young Israel leased the land and took a deed to the improvements, renovated the

living facilities and built the Kosher Dining Hall. They now are called the Center for Jewish Living.

Turkish said in an interview Tuesday morning that the Kosher Dining Hall Advisory Board wants Cornell Dining to operate the facility because board members feel none of them has the expertise to do so or even to hire a professional staff and to oversee their activities.

But Cornell Dining is organized to handle larger-volume operations, Gurowitz noted in an interview. Its smallest operations are Hughes Dining in the Law School and Risley Dining in Risley Hall, each of which serves approximately 650 meals a day five days a week. The Kosher Dining Hall had been serving some 30 breakfasts and lunches daily and up to 80 dinners, except for Friday nights, when up to 130 people gathered at the center for a traditional sabbath meal.

The university wants to assist the hall and has offered to do so in several ways. Gurowitz's letter cited "many, many hours" of advice and consultation involving "a number of university staff members in many departments" since planning for the Kosher Dining Hall began.

Gurowitz emphasized in his letter that the university is prepared to sign an agreement about its relationship with the Kosher Dining Hall under which Cornell would:

- Include the facility in listings published by Cornell Dining.
- Again reimburse the Kosher Dining Hall for any meals taken at the hall by students in the Cornell Meal Plan.
- Purchase and install a machine to read and scan student I.D. cards to electronically record Cornell Meal Plan transactions at the dining hall and give Young Israel until Sept. 20, 1990, to reimburse the university for this equipment, which is required at all facilities participating in the meal.
- Consult with the Kosher Dining Hall and provide ad-

vice and guidance on the operation of the facility.

Gurowitz noted in the letter that what started out "as a project for around \$600,000 . . . escalated to a project of over \$2 million." On Oct. 31, it was announced that builders involved in renovation work on the center are suing the National Council of Young Israel and the university over unpaid bills they say total more than \$380,000.

But liens on file by contractors total more than \$440,000, according to Shirley Egan, associate university counsel. She said that, under the ground lease for the property, such liens are not the university's responsibility.

Turkish confirmed that the suit cites \$380,000 in liens. He also said the center has obtained a one-month extension on a \$300,000 construction loan and owes Cornell \$250,000.

Turkish outlined during an interview how the cost of the Jewish Living Center project escalated as its scope was expanded from a \$600,000 to \$700,000 face-lifting of the residence halls — mainly for new bathrooms — and dining hall construction. But subsequent decisions by the Jewish Living Center to make structural and decorating improvements significantly increased the price tag. Among other factors were expanding the dining facility so the kosher kitchens could be there instead of in the basement, meeting city of Ithaca requirements for a more expensive sprinkler system and more structural changes than first planned, and spending more for kitchen equipment than first estimated, he added.

Turkish asserted that, as each change was contemplated, alumni indicated they would contribute the additional money. So far, alumni, parents, friends, and companies have contributed \$1.2 million, he said. He added that he expects the remainder to be raised within three years.

—Barry Gross

## Laboratory continued from page 1

cations systems, compact-disk audio players and computer storage systems now in use.

The new 5,000-square-foot facility, being constructed within an existing building at Cornell's Business and Technology Park, will be completed by January 1990. It will feature three OMVPE reactors, machines which have chambers several liters in size, within which tiny amounts of metal and organic gases, typically containing gal-

lium, aluminum, arsenic and phosphorus are reacted. The reactions deposit layers of pure crystals containing the metals on a solid support chip the size of a postage stamp. By manipulating the vapors and the chip, engineers can condense ultrathin crystal layers with different compositions and electronic properties, creating precise lasers, transistors and other devices.

For example, Shealy's work has included

use of OMVPE to produce a tiny gallium arsenide laser whose active region is only 20 to 50 atoms thick. The highly efficient laser, which produces visible red light, could find use in devices such as plastic fiber-optic communications links in automobiles, ships, airplanes and other machines.

OMVPE is one of many tools engineers use in constructing optic and electronic devices. To shape the tiny circuits they also

use techniques of bombardment with beams of atoms, electrons, light or X-rays.

Besides Shealy, other electrical engineering faculty whose research will involve the lab are Assistant Professor Richard Compton, Professor Lester Eastman, Professor J. Peter Krusius, Professor C.L. Tang, Professor Edward Wolf and Professor George Wolga.

—Dennis Meredith



## TRUSTEE-COUNCIL WEEKEND

## Gifts set record at \$157.1 million

Gifts to Cornell from alumni, parents, friends, corporations and foundations increased by 11 percent during the 1988-89 academic year to set a record total of \$157.1 million.

The annual gift report was presented on Oct. 27 to the Board of Trustees by Richard M. Ramin, vice president for public affairs.

Ramin, noting that Cornell had received the third highest amount of gifts among U.S. colleges and universities the previous year, said, "We expect that Stanford, Harvard and Cornell will again be the top three institutions in the country in terms of financial support."

President Frank H.T. Rhodes expressed "Cornell's deepest gratitude for the enthusiastic support of such a wide range of friends" and noted particularly that the total number of donors had increased by almost 9 percent, from 45,000 to 49,000.

Alumni giving increased by 21 percent to \$57.9 million; and that of parents and friends, by 16 percent to \$37 million, according to Inge Reichenbach, director of university development. She added that corporate and foundation giving also set a record at \$62.2 million.

Ramin also reported to the trustees on the successful completion of three campaigns. He said the Campaign for Athletics raised gifts and commitments of \$28 million; the Hotel School Campaign raised \$41.6 million in support of school programs and of completing the new Statler Hotel/Marriott Conference Center; and the Johnson Graduate School of Management met its \$46.5 million goal to expand its faculty and programs, reduce class size and expand its interdisciplinary programs with the College of Engineering and College of Arts and Sciences.

Of the total, 85 percent was designated by donors for specific purposes. In total, Cornell was able to add \$29.7 million to its endowment, invested funds from which the university draws only income to support its budget — \$20 million of which was for unrestricted use — and \$11.5 million toward student aid.

— Sam Segal

## Healthy financial growth reported

Cornell's financial position was "strengthened significantly" in the past year through growth in the value of the physical plant and the market value of its investments. Controller John S. Ostrom told the Board of Trustees on Oct. 27.

Ostrom, presenting his annual financial report, said that for the 10th consecutive year the university had managed its resources within its budget, but he added that financial stability and growth in net worth does not necessarily create an increase in spendable funds.

For instance, he noted that the market value of Cornell's endowment has ranked consistently in the top 15 among American colleges and universities, but he added: "It's still very low in a 'per-anything' basis [such as per-student] compared with competition. That means fewer endowed professorships and book funds, more university funds used for financial aid, greater dependence on tuition as a revenue source than most of our competition."

In the fiscal year that ended June 30, there was an increase of about 14 percent, from \$717 million to \$823 million, in the market value of the endowment — invested funds whose income alone may be spent. There was a 13 percent increase in the value of the physical plant, from \$760 million to \$862 million. Ostrom noted that adding buildings not only does not increase spendable dollars, it creates an additional demand for existing resources for the operating costs.

The financial statements indicate that "revenues and other additions" were \$1.13 billion, while "expenditures and other deductions" were \$892 million. The difference of \$239 million Ostrom described as the change in fund balances, a not-for-profit organization's equivalent of corporate net worth.

As a house adds to the homeowner's net worth without providing current income, so do some of the additions in Ostrom's report. For instance, the \$239 million figure includes \$119 million spent on constructing and renovating buildings and \$114 million added to the market value of endowment and similar invested funds.

"Since we show investments at market value, this increase reflects in large part the turnaround of the stock market this past year, with gains and losses on securities, both realized and unrealized, accounting for over \$70 million of that increase," Ostrom said.

Funds available for loans to students increased by \$2.6 million. Another \$6.6 million was added to restricted current funds, while unrestricted resources diminished by \$4.4 million.

Ostrom concluded that "the university is strong financially, continuing to grow and to operate in the black. Debt has increased, but debt-service costs appear under control; significant sums have been reinvested in the institution, either in facilities or in endowment, a healthy sign for our future."

— Sam Segal



Chris Hildreth

Board of Trustees and Cornell Council members enjoy an Oct. 27 dinner party in Barton Hall.

## Rhodes' talk rouses enthusiasm

Trustees and Cornell Council members, whose service to the university amounts almost to an avocation, can't help being upbeat when they come back to Ithaca on a brilliant fall weekend.

That, and the eloquence of President Frank H.T. Rhodes, may explain why last week's 15 small-group discussions after the State of the University address to the council and trustees focused more on the bright prospects for Cornell than on the gray clouds that Rhodes also identified.

Groups of trustees and council members, mixed with some administrators, met after Rhodes' Oct. 27 State of the University address to a packed house in Alice Statler Auditorium. The council consists of a group of more than 440 outstanding alumni who assist and advise the university in a wide variety of matters.

Rhodes said that although Cornell approaches its 125th anniversary stronger and better than ever, higher education is under attack on three major counts: the public beliefs that tuition rates are unconscionably high, that much faculty research is trivial and that faculty are not interested in teaching.

As he had said in his State of the University address to a meeting of the Faculty Council of Representatives and the university faculty on Oct. 11, Rhodes told the trustees and council members that "the response of higher education must be not simply defensive denial but well-reasoned and reasonable arguments as we willingly look for opportunities to improve what we do."

While Trustee Harvey E. Sampson said his discussion group was concerned that rising tuition might turn away middle-class families from Cornell, participants in several other groups said this issue either did not come up at all or was not a primary concern.

Nelson Schaeen Jr., chairman of the trustees' Executive Committee, reported strong enthusiasm for addressing the tough issues raised in Rhodes' speech "and for making Cornell University better" and not necessarily bigger.

Board Vice Chairwoman Patricia Carry Stewart reported strong support for quality-of-life improvements and taking necessary actions to increase Cornell's endowment and to

make difficult decisions if the university is to meet the fundamental challenges of the future.

Trustee Stephen W. Fillo reported strong support for enhanced communication to alumni so that all aspects of a changing Cornell are better understood by a far-flung alumni body.

Rising tuition is an area in which "well reasoned arguments" will not suffice, Rhodes said. Although Cornell's tuition has risen at about the same rate as the price of a family sedan over a 20-year period, "that's not quite the question: it's not whether costs are reasonable but whether they are affordable," he added.

Rhodes cited some merging and consolidation of administrative functions, but said the faculty also must work for efficiencies. He added that Cornell might have to cut 3 to 5 percent of its 1,600 tenure-track faculty lines "if we are really to improve faculty salaries and support" at a time when competition for the best faculty is likely to become more intense.

And despite recent strides to strengthen Cornell's undergraduate teaching, real student-centered education "requires faculty members who are not just inspired teachers and researchers, but who are also thoughtful and perceptive advisers and mentors," Rhodes said.

In his talk, Rhodes said that to fulfill its destiny as the true American university, Cornell will need committed scholar-teachers, able staff, talented students and ambitious, demanding leaders.

Equally important is that Cornell needs each of them "as our most candid and severest critics," he told the trustee-council audience.

But on a balmy fall weekend, the 500 friends seemed more aptly characterized by the other part of Rhodes' description of them — "our staunchest friends, our strongest advocates and our most faithful benefactors."

— Sam Segal

## Timetable set for library addition

While some details remain uncertain, the following tentative timetable has been worked out for the Olin Library-addition project. Throughout the approximately two-year job, most of the Arts Quad will be accessible, the sidewalk on East Avenue's east side will be open and the parking lots on the Quad's north and east rims are expected to be open.

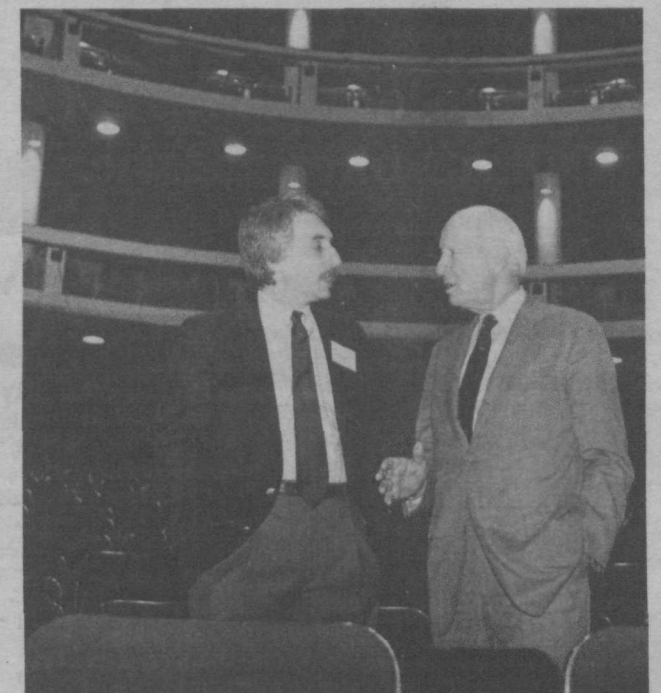
- November: Adjacent buildings' foundations will be checked and trees will be removed (with some to be transplanted).

- December: The exedra opposite Goldwin Smith's south entrance will be removed. (It will be returned after construction.)

- Dec. 26 to Feb. 28: Chilled-water pipes and electric cables will be relocated. (May require partial closing of East Avenue until relocation is completed.)

- June to early-September: The site will be excavated and dirt and rock will be removed via Tower Road. (East Avenue, north of Tower Road, will be closed to through traffic during this phase.)

- September 1990 through June 1991: Most work will be completed within a closed-off site.



Chris Hildreth

Austin H. Kiplinger (right), former chairman of the Board of Trustees who was elected a Presidential Councillor last week, surveys the Proscenium Theatre in the Center for Theatre Arts with Bruce Levitt, chairman of the Theatre Arts Department.



## COMMENTARY

*Business education's cross-Atlantic currents*

by James W. Schmutter

*Reprinted from the Oct. 9 Wall Street Journal.*

From the beginnings of European settlement on the North American continent, most educational philosophies and practices have migrated from east-to-west across the Atlantic. In business education, however, this migration has tended to flow in the opposite direction. Since World War II, American business schools, especially at the M.B.A. level, have established a standard emulated throughout the world.

Many European business schools founded during the past three decades have adopted this model, and many of the professors who teach in them were trained at U.S. universities. But recently European business education has been undergoing an explosive growth, producing many new schools as well as new ways of conceptualizing, managing and delivering M.B.A.s.

The most evident difference between M.B.A. schools in America and Europe is the institutional flexibility of the latter. American M.B.A. programs, developed as part of already mature universities, emphasized research and teaching. Further,

American business schools are regulated by the American Assembly of Collegiate Schools of Business, which enforces uniformity of practice and standards. Degree programs for full-time students have traditionally been the main product of these schools (continuing executive education for corporations has usually been a revenue-generating afterthought).

In contrast, many of the best-known European business schools arose without a university base. Schools such as IMEDE (the International Management Development Institute, recently merged with the International Management Institute) in Lausanne, Switzerland, and INSEAD (The European Institute of Business Administration) in Fontainebleau, France, have enjoyed neither the large endowments nor the taxpayers support of American universities. This has forced them to focus on executive education, to stay close to their corporate constituents and to emphasize practice above research. Moreover, no European accrediting body has been organized to standardized M.B.A. education. Because many European Community ministries of education do not recognize the M.B.A. degree, schools can offer programs of widely varying duration, cost and quality.

Some deans of U.S. business schools scoff at the European institutions. But students and companies are expressing their preferences with their pocketbooks. Applications to European M.B.A. schools continue to swell, and expensive new buildings dot the landscape.

Most striking to an American observer is the success that some European business schools have had in internationalizing their programs by creating an educational environment where no single national culture dominates. This is accomplished through faculty-hiring and admissions policies, not through the launching of new courses and Ph.D. programs on international business, which have been the more typical American strategies.

In their rapidly developing, largely unregulated market, European M.B.A. schools also have come to understand the importance of product differentiation, a lesson largely ignored in the States. American schools have responded in recent decades to the increasing demand for business education by copying the programs and policies of the industry's leaders. Imitation is flattering, but when an under-funded small college tries to copy Harvard rather than developing its own unique program, quality on all

fronts cannot help but suffer. A far more logical strategic approach is to focus on one segment of the market as, for example, IMEDE has done in its attention to general-management, international executive education.

Of course, the U.S. model has by no means lost all relevance. University-based business research produces useful knowledge as well as obscure trivia. Indeed, research is the one clear comparative advantage that educational institutions have over other competitors in the field of human-resources development. The line between education and training is often a fine one, and European business schools should continue to ensure that the value they can provide is different from that of consulting firms and in-house corporate training programs.

Regarding business education, what is needed today is a constant, simultaneous flow of ideas across the Atlantic in both directions: west-to-east and east-to-west.

*James W. Schmutter is associate dean of the Johnson Graduate School of Management, where he teaches international business.*

## CALENDAR

continued from page 5

**Romance Studies**

"Salvador Dali and the History of the Surrealist Movement," (in Spanish), Guillermo Camero, University of Alicante, Spain, Nov. 6, 4:30 p.m., 277 Goldwin Smith Hall.

**Rural Development**

"Structural Explanation of Persistent Poverty in the Urban Context," Bill Goldsmith, Nov. 2, noon, 250 Caldwell Hall.

**Rural Sociology**

"Methodological Horses, Theoretical Carts: Paradigms in Rural Sociology," William Falk, sociology, University of Maryland, Nov. 3, 12:15 p.m., 32 Warren Hall.

**Sociology**

"Institutions and Economic Performance," Douglas C. North, Washington University, Nov. 3, 3:30 p.m., A.D. White House.

**South Asia Program**

"Regional Identity in Colonial India: A Theoretical Perspective," Bishnu Mahapatra, history, St. Anthony's College, Oxford, England, Nov. 9, noon, 153 Uris Hall.

**Southeast Asia Program**

"Indonesian Music," Carole Hoffman, grad, music, Nov. 2, 12:20 p.m., 102 West Ave. Extension.

"Tribal Groups of Central India: Lifeway Ceremony Dance," a film with introduction and discussion, Nov. 8, 12:15 p.m., 153 Uris Hall.

"The Advent of Modern Power in the Philippines," Emmanuel Lallana, University of the Philippines, Nov. 9, 12:20 p.m., 102 West Ave. Extension.

**Stability, Transition & Turbulence**

"Weakly Nonlinear Interactions in the Hagen-Poiseuille Problem," Alex Mahalov, applied mathematics, Nov. 7, 1 p.m., 203 Thurston Hall.

**Statistics**

"Issues in Nonparametric Regression Estimation When the Errors are Correlated," Naomi Altman, biometrics unit, Nov. 8, 3:30 p.m., 250 Caldwell Hall.

**Textiles & Apparel**

"Plasma Surface Modifications — Fundamentals and Applications," In-Houng Loh, Advanced Surface Technology, Nov. 2, 12:20 p.m., 317 Martha Van Rensselaer Hall.

"On The Mechanism by Which Polymer Molecules Produce Fiber Physical Properties," Hawthorne A. Davis, E.I. DuPont de Nemours & Co., Nov. 9, 12:20 p.m., 317 Martha Van Rensselaer Hall.

**Theoretical & Applied Mechanics**

"Hamiltonian Chaos in Non-Linear Optics," D. Holm, Los Alamos National Labs, Nov. 8, 4:30 p.m., 205 Thurston Hall.

**Vegetable Crops/Pomology**

"Approaches to Linkage-Mapping Using Molecular Markers in Legumes and Woody Perennials," Norman Weeden, horticultural sciences, Geneva, Nov. 2, 4:30 p.m., 404 Plant Science.

"Solutions to Problems Associated with Various Methods of Plant Tissue Analysis," Mike Rutzke, pomology, Nov. 9, 4:30 p.m., 404 Plant Science.

**Veterinary Physiology**

"Drinking and Vasopressin Release in Pigs, Sheep and Goats," Thornton, College de France, Paris, Nov. 7, 4:30 p.m., G-3 Vet Research Tower.

## SPORTS

**Friday, 11/3-Saturday, 11/4**

Women's Volleyball, NYS Tournament, home

**Saturday, 11/4**

Men's Varsity Soccer, at Yale, 11 a.m.  
Varsity Football, at Yale, 1 p.m.  
Ltwf Football, at Pennsylvania, 5:30 p.m.

**Monday, 11/6**

Jr. Varsity Football, Cortland, home, 4:30 p.m.

## SYMPOSIA

**Biosafety in Research**

"Biosafety in Research," Dr. Jonathan Richmond, director of safety operations, N.I.H., Nov. 3, Biotechnology Conference Room, Biotechnology Building: "Biosafety Awareness Training," 8:30 p.m.; "Blood and Body Fluids," 11 a.m.; "Biosafety in Animal Research," 1:30 p.m.

## THEATER

**Center for Theatre Arts**

"The Dance and the Railroad," written by David Henry Hwang and directed by Keith Grant, Nov. 2, 9 and 10 at 8 p.m., Nov. 4 and 11 at 5 and 9 p.m., in the Class of '56 Flexible Theatre, Center for Theatre Arts. Tickets are available by calling the Center Box Office at 254-ARTS.

"The Frog Prince," by David Mamet and directed by Ken Westerman, a free adaptation of the classic fairy tale for adults and children of all ages, Nov. 3, 4, 5, 11 and 12 in the Class of '56 Flexible Theatre, Center for Theatre Arts, 430 College Ave. Tickets are available at Center Box office, 12:30 to 5:30 p.m., Monday through Friday, or by calling 254-ARTS.

## MISC.

**Alcoholics Anonymous**

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

**Centerpeace**

Centerpeace, a project of the Center for Religion, Ethics and Social Policy, will hold an organizational meeting, Nov. 8 at 4:30 p.m., in the Commons Coffeehouse, Anabel Taylor Hall.

**CUSLAR (Committee on U.S.-Latin American Relations)**

Meetings are held Mondays at 5 p.m., in the Common Coffeehouse, Anabel Taylor. For more information call 255-7293.

**Cornell Badminton Club**

The club meets Wednesdays and Sundays at the Henry St. John gym. For more information call Bill at 272-3594 or Tom or Lisa at 533-7384.

**Cornell Folk Song Club**

Michael Parent, storyteller, and the "Beauty and the Beast Storytellers," in an evening of stories and songs for adults (and children age 9 and over), Nov. 3, 8 p.m.,

Kaufmann Auditorium, Goldwin Smith Hall. Tickets at \$5 are available at Rebop Records, Borealis Bookstore and Commons Coffeehouse, Anabel Taylor Hall.

**Cornell Toastmasters**

Learn communication and public speaking skills. Club meets Thursdays at 7 p.m. Call 272-0032 for more information.

**Fuertes Observatory**

Fuertes Observatory, situated on the hill behind Helen Newman Hall, will be open to the public every clear Friday night from 8 p.m. or dark until midnight. Call 255-3557 for information.

**Hebrew Conversation Club**

Hebrew Conversation Club meets Thursdays, 11:45 a.m. to 12:15 p.m., 374 Rockefeller Hall.

**Hillel**

Progressive Zionist Caucus, Nov. 6, 7 p.m., G-34 Anabel Taylor Hall.  
Student Struggle for Oppressed Jewry, Nov. 7, 7 p.m., G-34 Anabel Taylor Hall.  
Beginning Yiddish, Nov. 7, 7:30 p.m., 314 Anabel Taylor Hall.

**Lesbian/Bisexual Women's Support**

Group for all interested women meets Wednesdays from 7 to 9 p.m., 103 Barnes Hall. For more information, call 255-3608.

**Macintosh Users' Group**

MUGWUMP, the Macintosh Users' Group for Writers and Users of Mac Programs, meets on the first Thursday and second Wednesday of each month. Meetings are free and beginners are welcome. For more information, call Andrew Merkle, 277-2239.

**University Libraries**

A workshop on remote access, sponsored by the Cornell University Library and Cornell Information Technologies, will be held Nov. 9, 1:30 to 2:30 p.m. in 100 Caldwell. Information on computer hardware, networks and telecommunications software will be provided. A demonstration of connecting to, and disconnecting from, the on-line catalog will be given. To register for the workshop, call 255-8990 and ask for Workshop Hotline.

**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.; 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., Noyes Center Browsing Library.



# CORNELL EMPLOYMENT NEWS

November 2, 1989

Including Job Opportunities

Volume 1, Number 43

## The Career Connection

The Career Connection, a community career resource and referral service offering comprehensive career services to women and men, recently opened at the Women's Community Building, 100 West Seneca Street.

The City Federation of Women's Organizations established the Career Connection to offer career assistance to the career changer, newcomer, dual-career couple, the unemployed person reentering the job market, the new graduate, or the person who has never worked outside the home.

Gail Dupre is the director of the center. She holds a master's degree in counseling and higher education administration from the University of Delaware and has worked as a career counselor at Ithaca College. According to Dupre, the following services will be offered at the Career Connection:

- **Career Counseling** - Individual career counseling to assist people with career decision-making by exploring interests, skills, and values as they relate to career goals. By appointment.
- **Individual Career Assistance** - Resume consultation, interview skill building and job search strategizing. By appointment.
- **Career Resource Library** - A comprehensive library with information about careers, the labor market, resume writing, cover letters, interviewing skills, and job search strategies.
- **Job Bank** - Job listings and information about job openings from many area employers. Clients will be assisted in assessing which positions fit well with their backgrounds. Referrals to appropriate employers are provided. (Note - *Cornell Employment News* with "Job Opportunities" at Cornell is being sent to the Career Connection each week.)

Support for the Career Connection comes through grants, corporate donations, fundraising efforts, and client fees which are based on a sliding fee scale. Hours of operation are Monday, Tuesday, Wednesday and Friday from 9:30 am - 1:30 pm, Thursday from 4-7 pm, and the first Saturday of the month, 10 am - 2 pm. For more information, call (607) 272-1247.



## Need a Break? Respite Providers Can Help!

A woman, sitting alone in her living room, gives a sigh of relief. Her husband, who has Alzheimer's is finally sleeping. Does this scene sound familiar? Do you know of anyone whose life now revolves around being the primary, 24 hour-per-day caregiver for an elderly family member, disabled spouse, or handicapped child? Perhaps you face this situation?

Family is an important part of everyone's life. From the cradle to the grave these blood ties often are the ones that support us in times of trouble.

Constantly being responsible for another person's well-being can be rewarding but isn't easy. Many people may choose to go to nursing homes or medical facilities to receive the constant care and attention they need. Some families don't have this option or feel that it is better for members with special needs to stay at home.

### Three Local Programs Provide a Break for Families/Individuals

There are three local United Way funded programs available for families and individuals who feel they need help, or just a break from, providing constant care at home.

1. Family & Children's Service (F&CS) operates a *Respite Program* that helps families care for people 60 years of age and over.
2. Special Children's Center's *Rest-A-Bit* program assists families with handicapped children.
3. *The Registry* is a home-care-givers referral program that is managed by Displaced Homemakers.

### Family and Children's Service Respite Program

Joan Murphy and Julie Huss, both nurses at Family and Children's Service, train home health aides to care for a client so that other members of the family can take a break from the often stressful task of 24 hour, constant care. Julie said: "We take care of people who are infirmed and at home, so family members can get a break." Blocks of 4-5 hours, once a week, during the day are typical; visits twice a week or in the evenings are provided

if necessary. Julie adds: "Many people don't realize the need to take a break. It's hard for them to take that initial step. If they can get respite service before they get too burned out or too frustrated, they may find they have more energy to care for the family member. Some may feel they are the only one who can care for this individual and this can be very stressful. Nurses are also available for counseling and offering suggestions to help the providers."

### Respite Program: No Fee

There is no fee for *Respite*. This assures that this service is available to anyone. Families are asked to make a donation to help defray costs; monies from United Way and New York State Office for the Aging are the primary sources of funding for this service. In 1988 the F&CS's Respite Program helped 44 clients a total of 2,444 hours. So far this year over 30 clients have used *Respite* services. This represents over 1,000 hours of respite care.

### Special Children's Center Rest-a-Bit Program

Many Tompkins County residents don't have extended families or others nearby to provide care allowing the parents to do other things, be it business or recreation. The Center's *Respite* coordinator provides training for people to become providers of respite services. The coordinator also determines family needs and matches the provider to the family.

Parenting is inherently a great responsibility and can be more complex if a child has a handicapping condition. The Special Children's Center program, called *Rest-A-Bit*, provides respite for families with a handicapped child. The service is only for the care of the child and funding comes from the United Way and State grants.

### Displaced Homemaker's Service Operates The Registry

For people who are looking for other affordable types of help in the home, Displaced Homemakers' Service operates *The Registry*. The services offered through *The Registry* may be similar to

*Continued on page 4*

## Office of Human Resources to Begin New Program in November

### OHR OUTreach Program Will Provide More Information to Departments and Employees

OHR OUTreach - a new program offered by Office of Human Resources - is scheduled to begin November 1989. OHR OUTreach is a two-part, custom-designed program structured to fit the human resource needs of employees and their departments. Through this new service the OHR staff members will visit departments in order to provide more in-depth information about the human resources function at the university.

Contacts with departments will involve general informal discussions about human resources or discussion about specific issues such as employee benefits, career development, classification issues or conflict resolution, to name a few.

In part one, Employee Relations will contact newly hired supervisors who have completed the Results-Oriented Supervision

program. The Employee Relations staff will meet individually with new supervisors to review OHR's services and ask what they might need to assist them in better performing their supervisory roles.

Other sections of OHR will be assisting whenever necessary. The goal of part one is to become better acquainted with new supervisors prior to the existence of a human resource problem or crisis; to become a resource for new supervisors in the human resource area; and to establish a closer relationship with supervisors in the field.

In part two, Employee Relations and other sections of OHR will make appointments with departments to meet with both the supervisory and nonsupervisory staff. The goal of part two is to

interact more closely and frequently with all employees and to provide an open forum for discussion in which supervisors and nonsupervisors alike will feel comfortable contributing to the overall effectiveness of the university. This service is scheduled to begin in February 1990.

As a service-oriented department, the Office of Human Resources is continually working to meet the needs of all university employees. The OHR OUTreach program can provide a way to exchange ideas and enhance relationships through personal interaction. The staff of OHR looks forward to beginning this program and we welcome your comments or questions at anytime. Please feel free to call Regina Wharton at 255-7206 if you want to discuss any aspect of OHR OUTreach.



## Disability Notebook Parking for the Disabled

by Joan B. Fisher, coordinator of Disability Services

Because several recent Disability Notebook contributors have mentioned concerns with parking for persons with disabilities, I asked Helen Steh and Judy Eckard from the Office of Transportation Services to share, in more detail, information about the twenty new general handicapped parking spaces now available on campus.

The Office of Transportation Services agrees with John Brake that reserved parking for the disabled is absolutely essential (see Oct. 19 Disability Notebook article). It is imperative that all parkers observe and respect the intent of these reserved spaces.

Blue signs with the handicapped symbol identify over twenty general handicapped spaces that are available on campus in addition to forty spaces reserved for individuals. These spaces were designed to help create an equitable parking environment for those who are mobility impaired. Strategically located, some spaces are time limited by virtue of being in a metered area; others are intended to be short-term parking spaces.

Any current Cornell University parking permit and a handicapped designation are required to park in these spaces. A handicapped designation is either a handicapped state license plate or a handicapped placard that is placed on the vehicle's dashboard. A handicapped space at a parking meter requires a handicapped designation and the meter payment.

The other handicapped spaces on campus reserved for specific individuals note for whom it is reserved by listing license plate number and for what period of time the space is reserved. The time may vary from 24 hours to part of a day dependent on the need of the individual. Those that are reserved for part of a day may revert to general handicapped status after the specified time. Careful observation of signs is extremely important.

Because this is a relatively new program, use of these general handicapped spaces will be under observation over the next few months. A high turnover rate is desirable to insure optimum usage of these spaces.

Please call Helen Steh, Traffic Bureau assistant manager, if you have any suggestions or need assistance with handicapped parking. The number is 255-4600.

Listed below are campus locations of the general handicapped spaces.

Locations	Number of Spaces
CC lot (1st bay SE end)	2
Central Avenue (in front of Gannett)	3
Day Hall Loading Dock	1
Food Science lot (meter)	1
Gannett lot (lower level)	1
ILR lot (NE Barton)	1
Johnson Art Museum lot (meter)	1
Lynah-Teagle lot (W)	1
Martha Van Rensselaer (upper lot NE)	1
Myron Taylor lot (SE)	1
Parking Garage (2nd level, Schoellkopf Drive entrance)	2
Parking Garage (4th level, by Stadium Concourse)	2
Pleasant Grove Apartments (SW)	1
Sage Avenue	1
Small Animal Clinic lot	1
Snee Hall lot	1
Statler Auditorium lot	3
West Campus lot (SE)	1

## Annual University Hiring Freeze Dates Announced; Reclassification Freeze for Certain Positions in Effect

**HIRING FREEZE:** The annual university hiring freeze will be November 30, 1989 through January 1, 1990.

**RECLASSIFICATION FREEZE:** Due to the Classification Review Study, there will be a reclassification freeze effective November 30, 1989 until further notice. The freeze will include all nonacademic, exempt positions and all academic extension associate positions. These positions will be the first to be reviewed during the study. Any request for an exception to the hiring or reclassification freeze must be put in writing to Anita Harris, manager of Compensation, 111 Day Hall.

## Some Enrollment Materials Incorrectly Mailed

Approximately 500 faculty and staff of the endowed colleges have begun receiving open enrollment packets to renew or change health, life or select benefits. Through a mix-up at the mailing house, these individuals have received statutory open enrollment packets instead of endowed packets. We are in the process of identifying those individuals who received the incorrect packet and new materials will be mailed by Wednesday or Thursday of this week. If you received the incorrect packet, please return it to the Office of Human Resources at 130 Day Hall. Thank you for your cooperation and patience as these difficulties are worked out with the company providing mailing services.

## Cancer Survivor & Caregiver Group

A second meeting of the Cancer Survivor and Caregiver Group will be held in the lounge at Helen Newman Hall from 12:00-1:30 p.m. on Thursday, November 2. At this time the group will be looking at ideas for programs or projects. All interested persons are invited to attend.



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

- Employees may apply for any posted position with an Employee Transfer Application. A resume and cover letter, specifying the job title, department and job number, is recommended. Career counseling interviews are available by appointment.
- Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Candidates should submit a completed and signed employment application which will remain active 4 months. Interviews are conducted by appointment only.

- Staffing Services will acknowledge receipt of all material by mail. Hiring supervisors will contact those individuals selected for interview by phone; please include two or more numbers if possible. When the position is filled, candidates should receive notification from the hiring supervisor.
- Cornell University is an Affirmative Action/Equal Opportunity Employer.
- Job Opportunities can be found on CUINFO

## Professional

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

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

**Director of Development (PA9203) HRIII School of Hotel Administration-Endowed**  
Director of Development manages the day to day operation of the Hotel School Development office and is the principle liaison between the School, and the Central Development staff.  
**Requirements:** Bachelor's required, advanced degree preferred. 5-7 years of broad-based fund-raising and marketing activities. Experience in working with and developing volunteer committees. Excellent communication skills. Knowledge of hospitality industry preferred.

**Events Manager (PA9202) HRII University Development-Endowed**  
Plan and direct all aspects of special events, lectures, and conferences. Coordinate regional campaign activities, kickoffs. Work with regional directors and college and unit development officers to create other high visibility Public Affairs events designed to enhance Cornell's fundraising programs.  
**Requirements:** Bachelor's or equivalent. Ability to communicate effectively and persuasively. Tact, good interpersonal skills, ability to work with many different "clients." 3-5 years development experience including working with volunteer group organizations. Established writing skills, successful gift solicitation experience, and prospects management expertise. 2-3 years experience in planning and direction of major hospitality events. Send cover letter and resume to Cynthia Smithbower by November 9.

**Assistant Director, Cornell Fund (PA9104) HRII University Development-Endowed**  
Assist in program development within the Cornell Fund, particularly with the Reunion Class Campaigns. Assist with the planning, development and implementation of efforts to obtain support from private sources. Enlist alumni leadership, set goals and facilitate campaign objectives. Conduct phonathon campaigns.  
**Requirements:** Bachelor's or equivalent. 3-5 years experience with volunteers and fund raising desired. Ability to communicate persuasively both orally and in writing. Good organizational ability. Send cover letter and resume to Cynthia Smithbower by November 10.

**Accountant III (PC8901) HRII CIT/Management Business Office-Endowed**  
Assist in identifying, planning, and developing M&BO financial management and business operations systems. Prepare specifications, document and maintain systems.  
**Requirements:** Bachelor's or equivalent in accounting. Master's preferred. In-depth knowledge of accounting. 3-5 years proven accounting experience plus knowledge of micro and mainframe computer applications important. Excellent communication (written and oral), interpersonal and organizational skills. Knowledge of University desirable. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Research Support Specialist III (PT8908) HRII Agricultural Economics-Statutory**  
Using a large farm-level data set, plan and conduct research on the economics of electric energy use in commercial agriculture; assist in the preparation of research reports and articles for extension audiences. 3 year appointment.  
**Requirements:** Master's or equivalent in agricultural economics or related field. 3-4 years experience. Working knowledge of both micro and mainframe computing. Send cover letter and resume to Bill Webster.

**Assistant Director (PA9105) Level 40 Information Technologies-Endowed**  
Direct a professional and technical staff in planning, facilitating and supporting marketing and distribution of information technologies, including sale of hardware, software, networking and associated technologies.  
**Requirements:** Bachelor's or equivalent with coursework in computing, business, marketing or related fields. At least 5 years experience developing and/or providing services in related fields. Prior management experience preferred. Send cover letter and resume to Cynthia Smithbower by November 10.

**New Technologies Specialist (PT9105) Level 34 CIT-MOS Consumer Services-Endowed**  
Coordinate the definition, development and implementation of new information technologies programs, such as facsimiles, high performance workstations and local area networks.  
**Requirements:** Bachelor's or equivalent; experience in area supervision preferred. Experience with complex applications and platforms of a wide range of integrated information technologies critical. Ability to work with public and determine priorities. Excellent communication and writing skills desirable. Send cover letter and resume to Bill Webster.

**Applications Programmer/Analyst III (PT9107) Level 34 CIT, Workstation Technologies-Endowed**  
Monitor current trends in workstation hardware and software; test and evaluate new products. Design, develop, modify, install workstation application software. Explore user interface technologies across all workstation platforms. Design, develop, modify, install and maintain user interface packages for use in Cornell environment, including micro/mainframe distributed systems.  
**Requirements:** Bachelor's or equivalent with related computer courses. 3-5 years experience working with workstation (especially IBM PC and P/S2, Apple Macintosh) hardware, operating systems, application packages and utility software. Experience with user interface design and development using HyperCard, MS-Windows and X Windows. Familiarity with at least two high-level languages (C, Pascal, Fortran). Excellent oral and written communication skills. Familiarity with Cornell computing environment, including mainframe systems, a plus. Send cover letter and resume to Bill Webster.

**Technical Consultant III (PT8708) Level 34 Center for Radiophysics and Space Research-Endowed**  
Design, write, test, document and support software that will analyze data obtained by the Gamma-Ray Spectrometer (GRS) instrument on NASA's Mars Observer Mission, scheduled for launch in 1992. This software will be installed on workstations at a number of NASA team members' institutions (at various colleges and research centers). The primary function of the software will be to create digital color maps of Martian surface composition from reduced GRS data, using a variety of advanced image processing techniques.

**Requirements:** Bachelor's or equivalent in a scientific field; computer science emphasis preferred. Extensive experience in computer programming. Familiarity with UNIX, C, windowing software, color graphics and image processing software. Send cover letter and resume to Bill Webster.

**Systems Programmer/Analyst III (PT7101) Level 34 Information Technologies-Endowed**  
Design, develop, modify, implement and document fairly complex software programs and applications packages for major operating systems on small and large-scale computer systems. Provide user support in identifying technical problems.

**Requirements:** Bachelor's or equivalent with computer related courses required. 3-4 years programming and machine architecture experience; knowledge of system utility and control languages (e.g., DCL and shell scripts). Sound knowledge of several operating systems (e.g., UNIX, VMS), Assembler language and at least 2 major programming languages (e.g., FORTRAN and C). Knowledge of UNIX and other workstation operating systems. Send cover letter and resume to Bill Webster.

**Scientific Applications Analyst (Systems Programmer Analyst III) (PA7505) Level 34 Theory Center/CNSF-Endowed**  
Provide technical support to scientific research in incorporating computational techniques such as vector and parallel processing, advanced numerical methods, etc., in their programs. Identify and address performance issues in users' large-scale scientific programs and work with users to optimize the computational performance of their research applications.

**Requirements:** Bachelor's or equivalent with 3-5 years programming experience is required. An advanced degree in physics, chemistry, engineering or other scientific or engineering field a plus. Demonstrated ability to work with users in scientific or large-scale computing environment. IBM VM/CMS, UNIX, FORTRAN and/or C experience highly desirable. Send cover letter and resume to Cynthia Smithbower by November 10.

**Applications Programmer/Analyst II (PT9006) Level 33 Statler Hotel-Endowed**  
Provide hotel systems programming/technical support and training. Flexible schedule including nights and weekends.  
**Requirements:** Bachelor's or equivalent with 2-4 years programming experience. Knowledge of microcomputers, programming techniques; ability to operate computer mainframe. Send cover letter and resume to Bill Webster.

**Applications Programmer I (PT9007) Level 32 Cooperative Extension-Statutory**  
Develop, modify, implement, maintain and document software applications on University mainframes and microcomputer system in support of Cornell Cooperative Extension's use of electronic technology.  
**Requirements:** Bachelor's or equivalent in Computer Science, Engineering or Mathematics preferred. 1-2 years of experience in computer programming. Previous experience with C or Pascal languages, and with UNIX and VMS preferred. Experience with SAS and MACSYMA desirable. Send cover letter and resume to Bill Webster.

**Applications Programmer I (PT9002) Level 32 Finance and Business Services-Statutory**  
Develop, install, maintain, and document administrative systems software. Provide analytical support for various situations. Assist in insuring efficient and effective use of computer resources.  
**Requirements:** Bachelor's or equivalent with computer related courses required, or a minimum of 1-2 years related experience with hardware/software, programming languages, production procedures and system utility programs. Mainframe JCL, MVS operating environment, CMS, COBOL, NATURAL, and ADABAS with some IBM system 36 experience. Send cover letter and resume to Bill Webster.

**Applications Programmer/Analyst I (PT6908) Level 32 School of Hotel Administration-Endowed**  
Provide computer, database and research support to faculty and students in developing and maintaining large databases and in the preparation and dissemination of research reports. Design and create files and programs to maintain the computerized database center. Provide on going support in areas of statistics and user system design.  
**Requirements:** Bachelor's or equivalent with background in computer, statistics or related areas required. Minimum 1-2 years previous experience. Knowledge of Macintosh, IBM PC, Mainframe database manipulation, statistics and statistical packages. Must have excellent oral and written communication skills. Ability to work independently, generate ideas and professionally represent the school in the computer/database areas. Ability to handle pressure and meet deadlines. Good interpersonal skills. Send cover letter and resume to Bill Webster.

**Staffing Specialist (PA9204) HRI Office of Human Resources-Staffing Services-Endowed**  
Under general supervision, plan and implement recruitment, screening, referral, interviewing and placement strategies for the university's varied position vacancies. Provide general counsel and advise to employees in career development/planning.  
**Requirements:** Bachelor's or equivalent. 2-3 years experience in recruitment and human resource administration. Familiarity with office automation systems desirable. Excellent organizational, communication and interpersonal skills. Send cover letter and resume to Judith Stewart, Manager, Staffing Services, 160 Day Hall.

**Budget Analyst II (PC9210) HRI NYSSILR-Dean's Office-Statutory**  
Assist with budget development, execution and overall financial management. Assist director in planning overall budget of state appropriations, college income funds, grants and contracts, and other restricted funds.  
**Requirements:** Bachelor's in accounting or business administration or equivalent education and experience. 3-5 years in educational accounting and budgeting. Cornell/statutory experience preferable. Working knowledge of PCs and Lotus 123. Good communication skills (oral and written). Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Budget Analyst I (PC9204) HRI Computer Science-Endowed**  
Manage fiscal operation in a 150 member computer science department with an academic budget of \$3M and an annual research volume of \$5M under general direction from the Director of Administration. Respond to faculty,

staff and students by assisting in implementing new or revised policies to improve the environment for teaching and research within the department.

**Requirements:** Bachelor's degree or equivalent. 2-3 years financial analysis/management experience preferably in an academic setting. Experience and aptitude with microcomputers and software for institutional analysis and database management systems. Familiarity with university and federal sponsor financial and reporting guidelines. Excellent communication, interpersonal and problem solving skills. Able to prioritize and work effectively with diverse groups. Demonstrated experience in planning, organizing and implementing new initiatives. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Research Support Specialist I (PT9205) HRI Poultry and Avian Sciences-Statutory**  
Responsible for preparation, packaging, market testing and publication of results for convenience foods (underutilized species of fish, chicken, eggs and sea food). Until 11/2/90.  
**Requirements:** Bachelor's or equivalent in human ecology; Master's preferred. Minimum 1-2 years experience. Experienced in computer operations. Send cover letter and resume to Bill Webster.

**Executive Staff Assistant (PC8316) HRI Center for Environmental Research-Statutory**  
Responsible for routine administration of the Ecosystems Research Center, providing support to the senior administrators. Assist with the management of budgets; manage workloads to assure timely completion of tasks; act as liaison among ERC staff; provide writing and editing assistance; supervise clerical staff.  
**Requirements:** Associate's or equivalent. Bachelor's or equivalent preferred. Some science background. Minimum 3-5 years administrative experience. Editing of scientific manuscripts. Microcomputer skills (Macintosh). Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Staff Writer II (PC9106) HRI Cooperative Extension Administration-Statutory**  
Extend the research findings and analysis through print and electronic news, feature releases, and personal contacts with journalists and interest groups in target areas in New York.  
**Requirements:** Master's or equivalent in appropriate field and substantial relevant experience required. Able to access and integrate multiple sources of academic research concisely in journalistic style. Familiarity with Cornell Cooperative Extension programs and rural New York's regional and local news media. Able to work with Cornell program staff, faculty, media members and extension agents. Frequent travel throughout New York State. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Applications Programmer II (PT5801) HRI Hotel Administration-Endowed**  
Utilizing a microcomputer and university mainframe (SAS/SPSSx), provide programming and consulting support for research and instructional computing.  
**Requirements:** Bachelor's or equivalent, coursework in computing or related fields. 2-3 years experience. Substantial knowledge and experience of SAS or SPSSx. Knowledge of hospitality software desirable. Familiarity with microcomputer hardware and software. Light typing. Send cover letter and resume to Bill Webster.

**Dining Supervisor I (PA9101) HRI Dining Services-Endowed**  
Supervise daily operations of dining unit including purchasing and storage of food supplies, maintenance of equipment, planning menus, preparation and dispensing food.  
**Requirements:** Associate's or equivalent. 1 year food service supervisory experience desired. Knowledge of food and health codes desirable. Send cover letter and resume to Cynthia Smithbower.

**CADD Coordinator (PT8901) HRI Facilities Engineering-Endowed**  
Lead the department's effort in Computer Aided Design and Drafting (CADD). Provide the coordination for design and drafting using computer-based drawing tools. Working with Facilities Engineering designers and engineers, draft engineering and architectural drawings.  
**Requirements:** Bachelor's or equivalent in engineering, construction, or architectural technology. Minimum 2-3 years related work experience. Proficient in the production of computer generated drawings. Knowledge and experience in the management of CADD records necessary. Excellent communication skills. Send cover letter and resume to Bill Webster.

**Research Support Specialist II (PT8811) HRI Agronomy-Statutory**  
Co-manage Cornell Analytical Laboratory; perform non-routine chemical analyses; maintain laboratory information management programs and computer local area network; evaluate new laboratory equipment; make recommendations for equipment needs. Responsible for overseeing maintenance and repair of existing equipment.  
**Requirements:** Master's or equivalent in soil science or analytical chemistry or Bachelor's with appropriate experience. 2-3 years experience in chemical analysis and laboratory operations desirable. Experience with atomic absorption, atomic emission, infrared spectroscopy, automated analytical systems, and classical wet chemical procedures essential. Knowledge of computers and data handling operations is required. Send cover letter and resume to Bill Webster.

**Research Support Specialist I (Laboratory Manager) (PT8502) HRI Physiology-Statutory**  
Independent, resourceful individual sought to manage (under faculty supervision) and supervise grant-related research, teaching, and technical training activities of physiology laboratory. Assist in planning of experiments using in vitro microperfusion of renal tubules; Ramsay assays for fluid secretion; electron probe analysis of small fluid volumes; intracellular measurements with ion-selective microelectrodes. Participate in other research related activities.  
**Requirements:** Bachelor's in biology, chemistry or other science or equivalent. 2-3 years experience preferred. Send cover letter and resume to Bill Webster.

## Professional Part-time

**Research Support Specialist I (PT9204) HRI Division of Nutritional Sciences-Statutory**  
Provide support in the planning, administration and evaluation of the New York State Surveillance Program. Travel

within and outside New York State collecting state-wide data from existing information management systems. Manipulate data sets and provide descriptive data analysis. Prepare oral and written reports, including those for state agencies and various journal articles. Monday-Friday, 20-30 hours per week until 3/31/91; continuation contingent upon funding.  
**Requirements:** Master's or equivalent in nutrition and epidemiology. 1-2 years experience working with nutrition, health and social science data on micro and mainframe computers. Good organizational and interpersonal skills. Send cover letter and resume to Bill Webster.

**Development Assistant (PA9106) HRI Veterinary Administration-Statutory**  
Assist the Assistant Dean for Public Affairs and Director of Development in the management and implementation of regular fund raising activities, directed primarily at individual donors and prospects. Assume primary responsibility for gift acknowledgment, donor research, recognition events, and special projects. Monday-Friday, 20 hours per week (afternoons).  
**Requirements:** Bachelor's or equivalent work experience required. 1-2 years experience in fund raising, alumni affairs and/or development desirable. Excellent (and proven) writing skills required. Excellent organizational and management skills. Experience using computer database management software desirable. Send cover letter and resume to Cynthia Smithbower.

## Professional Temporary

**Software Analyst (PA9107) Theory Center/CNSF-Endowed**  
Assist in the migration of third-party software from VM/XA to AIX/370. Convert software, test results, perform timing tests and supply technical AIX expertise to vendors and other staff members. Full-time for 6 months.  
**Requirements:** Bachelor's in engineering or physical sciences preferred; advanced degree highly desirable. UNIX, FORTRAN, and workstation experience required. Send cover letter and resume to Cynthia Smithbower by November 2.

**Research Support Specialist (S8905) Human Development Family Studies**  
Family Life Development Center is seeking an individual to assist with the National Data Archive on Child Abuse and Neglect Project. This individual should possess good computer skills.  
**Requirements:** Experience with data management, data tapes. Familiar with SAS and other statistical packages. BA or BS in social sciences or related work experience required. Send cover letter and resume to Karen Raponi, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

## 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.

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

**Animal Technician, GR18 (T9011) Laboratory Animal Services-Statutory Minimum Biweekly Salary: \$513.94**  
Provide care (feed, water, clean and monitor) for research animals following strict protocols for sterile or disease control environments and regulations for animal welfare. Maintain animal records. May include assisting Vets in treating and vaccinating animals.  
**Requirements:** High School diploma or equivalent. Associate's in Animal Science desired. Assistant animal certificate helpful. Knowledge of a variety of lab animals and animal breeding required. One year animal experience. Ability to lift 50 pounds. Pre-employment physical and all necessary immunization required.

**Technician, GR19 (T9104) Veterinary Pathology-Statutory Minimum Biweekly Salary: \$535.78**  
Laboratory research assistant involved in the preparation of biomaterials from various organs, cleaning of laboratory equipment, participation in daily operations and maintenance of laboratory. Until 6/30/90. Continuation contingent upon funding.  
**Requirements:** Associate's or equivalent. 1 year related laboratory experience desirable; on-the-job training available.

**Technician, GR19 (T9108) Food Science-Statutory Minimum Biweekly Salary: \$535.78**  
Conduct research on emulsions stabilization by proteins.  
**Requirements:** Associate's or equivalent in physical chemistry/food science preferred and appropriate laboratory training. Some experience in research on food/colloid systems and knowledge of protein chemistry are desirable. Knowledge of computers required.

**Technician, GR19 (T8905) Agronomy-Statutory Minimum Biweekly Salary: \$535.78**  
Assist with plant and water sampling, sample preparation and routine chemical analyses. Conduct greenhouse and field experiments. 1 year appointment.  
**Requirements:** Associate's or equivalent in biology or related field. First Aid and CPR certification required (training provided). Minimum 1 year experience with aquatic field experimentation using standard instrumentation such as light meters, oxygen/PH meters, etc.

**Technician, GR20 (T9203) Plant Breeding and Biometry-Statutory Minimum Biweekly Salary: \$558.78**  
Manage rice plants in greenhouse; collect, catalog and distribute seed and tissue among project participants; extract and digest DNA in the laboratory. 3 year appointment; continuation contingent upon funding.  
**Requirements:** Bachelor's or equivalent in plant science, agronomy or related field. 1 year related experience in growing plants and greenhouse operations.

**Animal Technician, GR20 (T9103) Clinical Sciences-Statutory Minimum Biweekly Salary: \$558.78**



Provide technical support for hepatitis research project using the woodchuck as the animal model. General lab duties include blood collection, animal handling and restraint, inventory and harvesting of serum, and assistance in surgery and necropsy. Perform data entry and manipulation using standard software on IBM personal computer. **Requirements:** Bachelor's or equivalent in biology with experience or equivalent coursework in data handling using spreadsheet, graphing and wordprocessing software on IBM personal computers. 1 year laboratory animal experience including ability to restrain, examine and bleed small animals. Wild animal handling experience. Valid New York State driver's license. Ability to lift 50 pounds. Pre-employment physical and all necessary immunizations required.

**Chief Certification Inspector/Laboratory Technician, GR20 (T8907)**  
**Plant Pathology-Statutory**  
**Minimum Biweekly Salary: \$558.78**  
Serve as head inspector in the New York certified seed potato program and provide computer and laboratory technical assistance.  
**Requirements:** Bachelor's or equivalent with emphasis in plant sciences preferred. 2-3 years commensurate experience in related area. Knowledge of potato diseases, pests and crop production desirable. Computer literate; must be accurate, thorough, have good communication skills and be able to work well with people. Must be prompt, organized and have initiative. Must be able and willing to travel. Valid NYS driver's license.

**Technician, GR20 (T8814)**  
**Biochemistry-Statutory**  
**Minimum Biweekly Salary: \$558.78**  
Provide technical support in optimizing the production of MEGF protein in an expression system. Duties include cloning of genes, making mutant genes and transforming bacteria. Purify desired proteins from bacteria. Transform plant cells.  
**Requirements:** Bachelor's or equivalent in biological sciences. Familiarity with general methods in biochemistry and microbiology. 1-2 years lab experience in animal cell culture or plant cell culture; experience working with radioisotopes, preferably including Iodine-125.

**Medical Records Technician, GR20 (T8712)**  
**Diagnostic Laboratory-Statutory**  
**Minimum Biweekly Salary: \$558.78**  
Perform technical/clerical duties processing and maintaining diagnostic records and communicate case-related information to veterinary clients. Assist in supervision of 2-3 non-exempt employees. Requires several hours per day at CRT with data input and look-up.  
**Requirements:** Licensed Animal Health Technician or equivalent required. Experience with data entry and computer programming helpful. 2 years experience in the animal industries, working either with medical records or as an animal technician helpful. Experience with computer systems and phone systems highly desirable.

**Computer Operator, GR21-24 (T9106)**  
**Information Technologies-Endowed**  
**Minimum Biweekly Salary: \$582.29**  
Operate large scale computer systems and associated peripheral equipment; monitor data communications networks; consult with vendor customer engineers and department support staff. Shift work including weekends.  
**Requirements:** Associate's or equivalent combination of education and experience in large data processing facilities. 2-3 years related experience. Computer operating experience required; data communications experience helpful. Knowledge of computer hardware, software, operating systems, and programming languages.

**Technician, GR21 (T8613)**  
**Veterinary Medical Teaching Hospital-Statutory**  
**Minimum Biweekly Salary: \$582.29**  
Perform diagnostic tests in hematology, cytology, coprology, urinalysis, chemistry and immunology. Operate and maintain equipment; use computer for specimen accession, data entry and information retrieval. Full-time, Tuesday-Saturday, with rotating "on call" for off hours and holidays.  
**Requirements:** Associate's or equivalent in medical technology required; Bachelor's preferred. ASCP certification preferred. 1-2 years related experience preferred.

**Technician, GR21 (T8410)**  
**Veterinary Microbiology-Statutory**  
**Minimum Biweekly Salary: \$582.29**  
Set-up cell and organ culture experiments and perform required biochemical analyses on these experiments. Prepare protocols and tabulation of data. Basic laboratory maintenance.  
**Requirements:** Bachelor's or equivalent in chemistry, biochemistry, molecular biology or microbiology. 2-4 years experience with setting up cell and organ culture experiments. Experience with biochemical analysis techniques and general lab maintenance.

**Computer Production Controller, GR21 (T8813)**  
**Information Technologies-Endowed**  
**Minimum Biweekly Salary: \$582.29**  
Insure timely and efficient flow of assigned work through the main computer systems; maintain quality and accuracy in meeting Production Services' Data Processing schedules. Nights and weekends.  
**Requirements:** Associate's or equivalent in data processing. Basic knowledge of MVS/JCS, CMS. 2 years related experience.

**Technician, GR24 (T8911)**  
**Neurobiology and Behavior-Endowed**  
**Minimum Biweekly Salary: \$662.90**  
Work in experiments for electron and light microscope autoradiography and fine structure. Help prepare new tissue preparations for scanning electron microscope.  
**Requirements:** Bachelor's or equivalent experience in physical sciences (neurobiology or biochemistry). 5+ years experience. Use of electron microscope, scanning EM, microtomes, tissue.

**Accelerator Operator, GR24 (T8804)**  
**Lab of Nuclear Studies-Endowed**  
**Minimum Biweekly Salary: \$662.90**  
Operate a computer controlled accelerator system to provide high energy electron and positron beams for utilization by experimental groups. Investigate the faults and take remedial action. Special projects related to maintaining and improving components of the system.  
**Requirements:** Associate's in electronics or equivalent training through in-service courses or similar programs; Bachelor's in physics preferred. 2-3 years experience in a laboratory or shop preferred.

## Technical Off-Campus

**Laboratory Technician, GR18 (T9201)**  
**Entomology-Geneva-Statutory**  
**Minimum Biweekly Salary: \$513.94**  
Assist in conducting lab and field studies on insect susceptibility to pathogens and other pesticides. Rear insects in lab; perform related lab work. Assist in preparing reports. 1 year, continuation contingent upon funding.  
**Requirements:** Associate's in biology, pest management or related field. 1 year experience in field and lab work involving insects.

## Technical Part-time

**Animal Technician, GR18 (T8904)**  
**Vet Microbiology, Immunology and Parasitology-Statutory**  
**Minimum full-time equivalent: \$513.94**

Provide care (feed, water, clean and monitor) for research animals following strict protocols for sterile or disease control environments and regulations for animal welfare. Maintain animal records. May include assisting Vets in treating and vaccinating animals. Valid NYS driver's license. 20-39 hours per week, including weekends and holidays; until 5/90, continuation contingent upon funding.  
**Requirements:** High School diploma or equivalent. Associate's in Animal Science desired. Assistant animal certificate helpful. Knowledge of a variety of lab animals and animal breeding required. One year animal experience. Ability to lift 50 pounds. Pre-employment physical and all necessary immunizations required.

**Technician, GR18 (T8906)**  
**Poultry and Avian Sciences-Statutory**  
**Minimum full-time equivalent: \$513.94**  
Perform microbiological procedures and aseptic techniques, including the preparation of media. Maintain records and perform statistical analysis. Other duties as assigned. 25-30 hours per week. Monday-Friday, shift negotiable. Until 9/30/90.  
**Requirements:** Associate's or equivalent; coursework in microbiology. Some laboratory experience desired.

**Technician, GR20 (T9202)**  
**Biochemistry-Statutory**  
**Minimum full-time equivalent: \$558.78**  
Assist with culturing bacteria; perform enzyme purification and assay. Perform general lab duties. 30 hours per week.  
**Requirements:** Bachelor's or equivalent required; coursework in biochemistry and microbiology desired. 1 year practical lab experience in a biochemical/microbiological lab including chromatography, spectrophotometer, and gel electrophoresis.

## Technical Temporary

**Casual Animal Technician (T8809)**  
**Ornithology-Statutory**  
Perform routine feeding and care of pigeons. Clean Cornell pigeon loft. 15-20 hours per week. 1 year appointment.  
**Requirements:** High School diploma or equivalent. Reliability essential.

## Office Professionals

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

Submit a signed employment application and resume. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our East Hill Plaza office.

**Cashier, GR15 (C5801, C5803-C5806)**  
**Dining-Endowed**  
**Minimum Biweekly Salary: \$460.20**  
Transact cash and credit sales; tabulate daily figures and prepare deposits.  
**Requirements:** High School diploma or equivalent. 1-2 years related experience. Basic reading and computation skills. Good interpersonal and communication skills required.

**Office Assistant, GR16 (C9205)**  
**Animal Science-Statutory**  
**Minimum Biweekly Salary: \$477.46**  
Burst and separate material; prepare and collate the mail; general office duties when needed; light lifting (16 pounds). Tuesday-Thursday 6:30 a.m.-2:30 p.m.; Saturday 6:30 a.m.-2:30 p.m.  
**Requirements:** High School diploma or equivalent. Must have valid driver's license. 1 year related office experience.

**Cashier, GR16 (C9110)**  
**Statler Hotel-Endowed**  
**Minimum Biweekly Salary: \$477.46**  
Oversee the cashiering department in the absence of the Cashier Supervisor and insure timely and accurate service to guests; control and verify each cash bank provided to the cashiers daily. Hours flexible. Some nights and weekends.  
**Requirements:** High School diploma or equivalent. 1 year related experience. Good training, interpersonal and organizational skills. Familiar with computerized cashiering equipment helpful.

**Switchboard Operator, GR16 (C8716)**  
**Statler Hotel-Endowed**  
**Minimum Biweekly Salary: \$477.46**  
Coordinate all incoming and outgoing phone calls for staff and guests using computerized phone switching system. Hours, 3-11; flexible nights and weekends.  
**Requirements:** High School diploma or equivalent. Basic reading, writing and communication (verbal) skills. Knowledge of foreign languages helpful. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Receptionist, GR17 (C9214)**  
**Office of Human Resources-Staffing Services-Endowed**  
**Minimum Biweekly Salary: \$495.36**  
Perform receptionist/telephone operator duties as well as data entry of all job applications, employee transfer requests, and employee requisitions for Staffing Services.  
**Requirements:** High School 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.

**Telephone Operator, GR17 (C8405)**  
**Telecommunications-Endowed**  
**Minimum Biweekly Salary: \$495.36**  
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.  
**Requirements:** High School diploma or equivalent. Able to work independently. Good communications and interpersonal skills. CRT and keyboard skills preferred. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Word Processing Operator, GR18 (C9203)**  
**University Development-Endowed**  
**Minimum Biweekly Salary: \$513.94**  
Use Wordperfect to produce, maintain, and process class lists, letters, envelopes, proposals and reports on a PC computer network; report to the Word Processing/Technical Center Supervisor.  
**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years related work experience or education. Knowledge of DOS and Wordperfect. Experience with computer networks helpful. Able to work under pressure and juggle priorities. Accuracy, speed, proofreading, and grammatical skills preferred. Heavy typing.

**Secretary, GR18 (C9206)**  
**Human Service Studies-Statutory**  
**Minimum Biweekly Salary: \$513.94**  
Provide receptionist and secretarial support for 4-6 faculty in a large department. Type classwork, reports, manuscripts, correspondence and vouchers; answer phone; distribute mail; arrange travel, library reserve lists, conferences and meetings; order texts; make copies; run campus errands; keep faculty files and calendars. Other duties as

assigned.  
**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1 year previous secretarial experience. IBM PC and Wordperfect experience, knowledge of Macintosh desirable. Good interpersonal and organizational skills. Machine/manual transcription skills. Able to set priorities and work under pressure in a complex, active environment. Heavy typing.

**Senior Circulation/Reserve Assistant, GR18 (C9109)**  
**Veterinary Library-Statutory**  
**Minimum Biweekly Salary: \$513.94**  
Perform various circulation duties (i.e., overdues and billing) including coordinating daily functions of the Public Service Desk. Organize and maintain the reserve collection and stacks; hire, train, and supervise student assistants; provide circulation, directional/informational and other public service assistance to patrons at the Public Service Desk. Provide and/or coordinate photocopy and current awareness services. Other duties as assigned.  
**Requirements:** 2 years college coursework successfully completed preferred. Previous experience in an office or library desirable, especially in customer or public service. Able to work effectively with a variety of people in a public service capacity. Able to organize and accurately perform detailed work. Strong interpersonal and communication skills. Some supervisory background and knowledge of microcomputers helpful. Able to work independently. Light typing.

**Secretary, GR18 (C9105)**  
**Law-Endowed**  
**Minimum Biweekly Salary: \$513.94**  
Provide secretarial support to faculty. Wordprocess manuscripts, briefs, correspondence, class materials; coordinate travel arrangements; prepare travel and reimbursement vouchers; research references and citations in Law Library; copy, file, answer phone.  
**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years office experience and familiarity with IBM-PC, WordPerfect desirable. Able to coordinate and prioritize multiple tasks. Excellent organizational, interpersonal and communication skills. Heavy typing.

**Searcher, GR18 (C9116)**  
**Acquisitions/CTS/Olin Library/CUL-Endowed**  
**Minimum Biweekly Salary: \$513.94**  
Process invoices for payments on NOTIS; receive books; resolve problems; perform maintenance tasks and provide back-up in section.  
**Requirements:** High School diploma or equivalent. Minimum 1 year related experience. Able to work independently. Some library experience preferred. Some accounting experience desirable. Strong organizational, interpersonal and communication skills. Reading of one modern European language, preferably German. Medium typing.

**Accounts Assistant, GR18 (C5802)**  
**Dining-Endowed**  
**Minimum Biweekly Salary: \$513.94**  
Maintain financial and personnel records for the unit. Act as receptionist; answer telephones; make appointments; handle customer inquiries; reconcile and approve cash deposits. Other duties as assigned.  
**Requirements:** Associate's or equivalent. Good interpersonal, computation and communication (written/oral) skills essential. Knowledge of word processors and personal computers preferred.

**Night Auditor, GR18 (C8921)**  
**Statler Hotel-Endowed**  
**Minimum Biweekly Salary: \$513.94**  
Review, verify and record revenue for the entire hotel; utilize the property management system to generate all necessary reports; perform duties as front desk clerk. 11-7, nights and weekends.  
**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years accounting/book-keeping experience. Knowledge of computers. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Administrative Aide, GR19 (C9201)**  
**Engineering Co-op Program-Endowed**  
**Minimum Biweekly Salary: \$535.78**  
Assist the coordinator and assistant coordinator in carrying out the daily operation of the Engineering Co-op Program. Act as receptionist and initial contact person with student and company representatives; maintain computer database; some accounting. Some evenings.  
**Requirements:** High School diploma or equivalent. Some college coursework preferred. 2 years related experience. Knowledge of Cornell procedures (accounting, financial aid, registration) very helpful; excellent communication skills. Organizational ability, attention to detail, and confidentiality extremely important. Macintosh experience helpful. Medium typing.

**Secretary, GR19 (C9112)**  
**Economics-Endowed**  
**Minimum Biweekly Salary: \$535.78**  
Perform all general secretarial/administrative assignments for the Director of the Center for Analytic Economics. Prepare manuscripts, coursework, etc.; arrange travel and appointments; answer telephone; handle mail. Other duties as assigned.  
**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years related experience. Technical typing, word processing, IBM experience, WordPerfect 4.2/5.0. Able to deal with a variety of people, (staff/faculty/students). Good organizational and communication skills. Heavy typing.

**Relief Night Auditor, GR19 (C9007)**  
**Statler Hotel-Endowed**  
**Minimum Biweekly Salary: \$535.78**  
Review, verify and record hotel revenue. Generate reports through property management systems; perform duties of night manager. Coordinate and participate in front desk, concierge and bellstaff activities to provide guest service.  
**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years hotel front office/accounting experience required. Knowledge of computer systems required. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Administrative Aide, GR20 (C9212)**  
**Administration Office-Olin-CUL-Endowed**  
**Minimum Biweekly Salary: \$558.78**  
Provide administrative/secretarial support to 2 Assistant University Librarians; one for Technical Services and one for Collection Development and Preservation. Also provide support for Academic Assembly Committees and general administrative/secretarial support for the library system. Offer extensive contact with senior library administrators; frequent contact with library and other university departments. Occasional contact with Cornell community including donors.  
**Requirements:** Associate's or equivalent. 2 years related office/secretarial experience with at least 1 year organizational/administrative responsibilities. Experience with MAC and/or IBM PC especially word processing. Excellent interpersonal, communication (written and verbal) and organizational skills. Able to work independently, exercise good judgment, work under pressure, and handle confidential materials with discretion. Familiarity with Cornell helpful. Heavy typing.

**Personnel Assistant, GR20 (C9207)**  
**Computer Science-Endowed**  
**Minimum Biweekly Salary: \$558.78**  
Provide administrative support to Director of Administration and coordinate personnel functions within a large academic/research department.  
**Requirements:** Associate's or equivalent combination of education and experience. 2-3 years directly related administrative experience. Attention to detail, organizational skills and ability to work autonomously a must. Excellent

communication, interpersonal and problem solving skills. Able to work effectively with diverse groups essential. Demonstrated experience and aptitude with microcomputers; experience with database management systems a plus. Medium typing.

**Administrative Aide, GR20 (C9111)**  
**Hotel Administration-Endowed**  
**Minimum Biweekly Salary: \$558.78**  
Provide administrative assistance and special project assistance to the Director of Development. Provide follow-through on scholarship and acknowledgment related areas as directed by Assistant Director of Development.  
**Requirements:** Associate's or equivalent. 2-3 years related experience with university PAC's, Wang, and Digital systems preferred. Able to handle a great variety of quantity work. Extremely well organized. Excellent communication and interpersonal skills. Sensitivity to fundraising nuances. Accuracy and attention to detail. Medium typing.

**Senior Searcher, GR20 (C9117)**  
**Serials/CTS/CUL-Endowed**  
**Minimum Biweekly Salary: \$558.78**  
Search, order, check-in, claim and provide invoice approval for serial titles in Chinese, Japanese and Korean. Responsible for problem solving related to East Asian serials; participate in special projects as requested.  
**Requirements:** Associate's or equivalent; academic background in East Asian studies. 1-2 years related experience. Some knowledge of East Asian bibliography or willingness to take a course in this subject at Cornell. Reading and writing knowledge of Chinese; knowledge of Japanese helpful; knowledge of Wade-Giles system of romanization. Strong organizational, interpersonal and communication skills. Light typing.

**Secretary, GR20 (C9107)**  
**University Relations/Vice President's Office-Endowed**  
**Minimum Biweekly Salary: \$558.78**  
Process all typed material, often with multiple revisions for distribution to media sources working under very tight deadlines. Other duties include back-up phone and calendar work; ordering office supplies; maintaining subscriptions; copying; mailing; filing.  
**Requirements:** Associate's or equivalent. 2-3 years related secretarial experience. Excellent typing skills, word processing proficiency. Knowledge of Cornell. Organizational skills and ability to work independently and under pressure. Ability to work with diverse publics. Heavy typing.

**Administrative Aide, GR20 (C9108)**  
**Theory Center/CNSF-Endowed**  
**Minimum Biweekly Salary: \$558.78**  
Provide administrative and secretarial support to the Director of the Cornell National Supercomputer Facility (CNSF). Requires independent judgement and decision making and high level of confidentiality.  
**Requirements:** Associate's or equivalent. Minimum 2 years related office experience. Knowledge of computers and word processing desirable. Accurate record-keeping ability. Strong interpersonal, organizational and communication skills. Medium typing.

**Administrative Aide, GR20 (C9113)**  
**University Development-Endowed**  
**Minimum Biweekly Salary: \$558.78**  
Provide administrative support to the Associate Director of the Cornell Fund. Primary responsibility for coordinating operational logistics between the regional, college, public affairs and central annual fund offices.  
**Requirements:** Associate's or equivalent in education, experience and training. Excellent organizational, communications (written and oral) and interpersonal skills. Able to prioritize assignments and work under pressure. Handle confidential information. 2 years related experience in office, human resource, budget management and computers. Knowledge of Cornell desirable. Medium typing.

**Administrative Aide, GR20 (C8615)**  
**Olin Library Administration-CUL-Endowed**  
**Minimum Biweekly Salary: \$558.78**  
Provide administrative and secretarial support for Olin Library's Director, Deputy Director, Construction Supervisor and, as appropriate, for the Assistant Director. Conduct and/or coordinate special projects for the above; work with confidential and sensitive information (budget and personnel); serve as liaison to wide variety of student, faculty and visitors.  
**Requirements:** Associate's or equivalent. 2-3 years related experience. Outstanding interpersonal skills with ability to interact effectively with wide variety of staff, students, faculty and visitors essential. Excellent communication (verbal and written) skills required. Exercise mature judgment and ability to handle confidential and sensitive information. Initiative and flexibility. Able to work under pressure and independently. Computer expertise (word processing, database management and spreadsheets) Mac preferred. Heavy typing.

**Accounts Assistant, GR21 (C9115)**  
**Athletics and Physical Education-Endowed**  
**Minimum Biweekly Salary: \$582.29**  
Coordinate travel arrangements for 38 intercollegiate teams. Serve as accounts coordinator for all intercollegiate activity; produce, analyze, and monitor computer and budget reports; handle cash; approve advances; assist in policy and procedure review and recommendation.  
**Requirements:** Associate's in business, communications or accounting or equivalent. 2-3 years Cornell accounting experience. Outstanding interpersonal skills. Ability to work in a very busy office and be creative and energetic. Must be willing to travel on occasion (4-5 times per year) and must require little supervision. Light typing. Internal applicants only. Apply by November 10 to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

**Administrative Aide, GR22 (C9114)**  
**LASSP-Endowed**  
**Minimum Biweekly Salary: \$607.04**  
Process all departmental billing and purchasing; assist in management of computer network. Provide support to the building manager. Handle special projects as assigned.  
**Requirements:** Associate's or equivalent, some computer programming coursework helpful. Excellent organizational, communication (written and oral) and interpersonal skills essential. Familiarity with accounting and purchasing procedures. 3-4 years related PC experience essential; network experience helpful. Medium typing.

## Office Professionals Part-Time

**Office Assistant, GR16 (C9016)**  
**Education-Statutory**  
**Minimum Biweekly Salary: \$477.46**  
Assist coordinator in obtaining, assembling, and distributing materials for New York Agriculture in the Classroom. 30 hours per week.  
**Requirements:** High School diploma or equivalent. Valid NYS driver's license. Some related office experience preferred. Minimum level competence on Macintosh Computer. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

## 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.



## Respite Providers

Continued from page 1

those provided through the Respite Program, but the families hire the individual directly. The Registry provides, free of charge, the name of qualified people who have been interviewed and screened. The Registry's advisory committee includes a representative from: the Office for the Aging; the Health Department; Family & Children's Service; and a person who has hired a home health worker as well as a home health care giver.

Sandra Lyons, executive director of Displaced Homemakers, said: "Many people without insurance can directly hire people for reasonable rates or a Registry worker can be combined with a home health aide covered by insurance." She stressed that the Registry does not supervise home health care workers, but only provides families with the names of qualified people. It is up to the family member to choose the health care aide that they feel would be the best possible and to make arrangements.

The above programs are available to assist any individual that may need help caring for an infirmed individual.

*This article appeared recently in the summer edition of the United Way's Newsletter. Used with permission.*

## Jobs Continued from page 3

### Cashier (S9101)

**Statler Hotel**  
Transact cash and credit sales. Monday-Friday 5:30pm-10:30pm. Shift subject to change.  
**Requirements:** High School diploma or equivalent. Previous cashiering experience required. Basic reading and computation skills. Good interpersonal and communication skills required. Contact Karen Raponi at Staffing Services, East Hill Plaza, 255-2192.

### LC Cataloger (S8903)

**Catalog/CTS/CUL-Endowed**  
Create bibliographic records for monographs and authority records for headings based on Library of Congress (LC) copy or other acceptable copy; shelving; added volumes; database management activities; other cataloging duties as assigned. 12 month term.  
**Requirements:** Associate's or equivalent. Bachelor's or equivalent preferred. At least 1 year of library technical service experience desirable; ability to perform and organize detailed work; familiarity with computers preferred. Strong organizational and interpersonal skills. Send cover letter and resume to Michele Draiss, 235 Olin Library, Cornell University, Ithaca, NY 14853.

## General Service

Submit a signed employment application and resume. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our East Hill Plaza office.

### Food Service Worker, SO01 (G9004, G7202, G5801, G9101, G9204)

**Dining-Endowed**  
**Hiring Rate: \$5.75**  
Set-up, display and serve food and/or beverage. Check Co-op dining cards for validity and make sales transactions by cash or credit card. Shift subject to change.  
**Requirements:** Knowledge of food preparation and presentation preferred. Good customer relations skills. Basic reading and computational skills required.

### Custodian, SO02 (G8702)

**Dining-Endowed**  
**Hiring Rate: \$6.00**  
Provide general custodial care of buildings and grounds in immediate vicinity of assigned area. Shift subject to change.  
**Requirements:** Basic reading and writing skills. Able to operate a variety of heavy power equipment, lift 50 pounds and climb an 8 foot ladder.

### Food Service Worker, SO02 (G5805-G5809, G8703)

**Dining-Endowed**  
**Hiring Rate: \$6.00**  
Prepare, present and serve food items for Co-op, cash, catering or special events. Shift subject to change.  
**Requirements:** High School diploma or equivalent. 1 year related experience. Working knowledge of food preparation and presentation. Able to operate choppers, slicers, mixers, ovens, steam kettles, pressure steamers and various hand tools. Good customer relation skills.

### Bartender, SO02 (G7712)

**Statler Hotel-Endowed**  
**Hiring Rate: \$6.00**  
Under general supervision, mix and dispense alcoholic and non-alcoholic beverages. Sunday-Thursday, 4 p.m.-12 midnight.  
**Requirements:** High School diploma or equivalent. Good interpersonal and communication skills. Minimum 1 year bartending experience required. Familiar with electronic cash register. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, NY 14850.

### Custodian, SO02 (G9206)

**Residence Life-Endowed**  
**Hiring Rate: \$6.00**  
Provide general custodial care of buildings and grounds in assigned area. Monday-Thursday, 7:00 a.m.-3:30 p.m.; Friday 7:00 a.m.-2:30 p.m.  
**Requirements:** Basic reading and writing skills. Able to operate a variety of heavy power equipment, lift 50 pounds and climb an 8 foot ladder. Daily contact with students.

### Head Waitperson, SO02 (G9205)

**Statler Hotel-Endowed**  
**Hiring Rate: \$6.00**  
Under supervision, serve meals to guests in the fine dining room according to established rules of etiquette and service. Help set up and clean dining room. Some nights and weekends.  
**Requirements:** High School diploma or equivalent. Able to read and write english. Minimum 1 year wait experience and ability to work well with the public.

### Custodian, SO02 (G9203)

**Buildings Care-Statutory**  
**Hiring Rate: \$6.00**  
Provide general custodial care of buildings and grounds in immediate vicinity of assigned area. Monday-Thursday, 6 a.m.-2:30 p.m.; Friday 6 a.m.-1:30 p.m.  
**Requirements:** Basic reading and writing skills. Able to operate a variety of heavy power equipment, lift 50 pounds and climb an 8 foot ladder.

### Custodian, SO02 (G9202, G9201)

**Buildings Care-Statutory**  
**Hiring Rate: \$6.00**  
Provide general custodial care of buildings and grounds in immediate vicinity of assigned area. Monday-Thursday, 6 a.m.-2:30 p.m.; Friday 6 a.m.-1:30 p.m.  
**Requirements:** Basic reading and writing skills. Able to operate a variety of heavy power equipment, lift 50 pounds and climb an 8 foot ladder.

### Short Order Cook, SO04 (G5817, G5818)

**Dining-Endowed**  
**Hiring Rate: \$6.58**  
Prepare and serve food directly to customers from short order area. Shift subject to change.  
**Requirements:** High School diploma or equivalent. 6-12 months related experience. Familiar with short order equipment. Able to prepare variety of short preparation foods under pressure. Good customer relations skills.

### Material Handler, SO04 (G5810)

**Dining-Endowed**  
**Hiring Rate: \$6.58**  
Receive, inspect, store and issue food products, equipment and supplies. Clean and maintain assigned areas. Shift subject to change.  
**Requirements:** High School diploma or equivalent. Basic reading and computation skills required. Knowledge of storeroom/inventory techniques and purchasing/receiving food. Able to lift 75 pounds on continuous basis. NYS driver's license required.

### Assistant Cook, SO06 (G5816)

**Dining-Endowed**  
**Hiring Rate: \$7.20**  
Under general supervision, prepare and present a full variety of foods, as assigned, through own efforts and through supervision of staff. Shift subject to change.  
**Requirements:** High School diploma or equivalent. 1-2 years experience in food preparation; knowledge of food cooking processes (grilling, frying, roasting, steaming) in an institutional environment preferred. Skilled in presenting and garnishing food. Working knowledge of use and maintenance of charbroilers, steam jacket kettles, pressure steamers, ovens, slicers, mixers, choppers and various hand tools.

### Baker, SO06 (G5819)

**Dining-Endowed**  
**Hiring Rate: \$7.20**  
Prepare full variety of baked goods including rolls, breads, cakes, cookies and pastries. Decorate baked goods. Shift subject to change.  
**Requirements:** High School diploma or equivalent. 1 year related experience. Working knowledge of choppers, dough sheeters, ovens, mixers, proffing cabinet and various hand tools. Good interpersonal, communication and organizational skills.

### Cook, SO08 (G8905, G5820)

**Dining-Endowed**  
**Hiring Rate: \$7.91**  
Prepare and present a full variety of foods including soups, sauces, casseroles, meats and vegetables through own efforts and through supervision of staff. Shift subject to change.  
**Requirements:** High School diploma or equivalent. 3-5 years experience in preparing full range of entrees; knowledge of food cooking processes (grilling, frying, roasting, steaming) in an institutional environment preferred. Working knowledge of use and maintenance of charbroilers, steam jacket kettles, pressure steamers, ovens, slicers, mixers, choppers and various hand tools. Supervisory skills desirable. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, New York 14850.

## Please submit materials for the following positions to 160 Day Hall.

### Duplicating Machine Operator, SO06 (B9201)

**Media Services-Statutory**  
**Hiring Rate: \$7.20**  
Operate A.B. Dick Duplicator and/or Ryobi 3200 Perfector; perform routine maintenance; keep inventory of supplies; act as a back-up operator on variety of copiers, duplicators and presses. Monday-Thursday, 8-5; Friday, 8-4.  
**Requirements:** High School diploma or equivalent. Vocational training in printing helpful. Ability to lift up to 50 pounds. Minimum 3 years related experience in offset printing or related proven mechanical ability-specific operation of a copy center desired. Send cover letter and resume to Cynthia Smithbower, Staffing Services, 160 Day Hall by November 9.

### Print Machine Operator, SO09 (B9202)

**Media Services-Statutory**  
**Hiring Rate: \$8.29**  
Operate various offset presses utilizing a variety of printing skills which include full page bleed, mixing, and printing color ink(s) and critical registration; perform routine maintenance on equipment; maintain supplies inventory; process metal plates before and after printing process; strip and opaque negatives; operate graphic camera and commercial bindery equipment.  
**Requirements:** High School diploma or equivalent. Two years vocational training preferred. Three to five years press printing experience preferably on Hamada and Ryobi equipment. Send cover letter and resume to Cynthia Smithbower, Staffing Services, 160 Day Hall by November 17.

### Temporary Duplicating Machine Operator (B9102)

**Animal Science-Statutory**  
**Hiring Rate: \$6.00**  
Oversee usage of Xerox 9500 and 1075 as well as other small copiers. Duplicate class, research, extension materials. Send out mail: campus, U.S., UPS, Federal Express. Receive deliveries.  
**Requirements:** Some related experience with copiers preferred. Good interpersonal skills and attention to detail. Send application materials to Staffing Svcs, 160 Day Hall.

## General Service Part-time

### Dish Machine Operator, SO02 (G5813)

**Dining-Endowed**  
**Hiring Rate: \$6.00 \***  
Wash dishes, utensils, pots and pans. Stock assigned areas. Shift subject to change. 35 hours per week.  
**Requirements:** High School diploma or equivalent. Able to learn proper use of dishwashing equipment and cleaning agents. Able to lift 35 pounds.

### Security Guard, GR01 (G8803)

**Johnson Museum-Endowed**  
**Hiring Rate: \$5.80**  
Responsible for guarding all works of art in the building following security and safety procedures; communicate with appropriate staff members on a regular basis; be available day or evenings for subbing on non-scheduled work days and for guarding at special events held in the museum. 3 days per wk (24 hrs) plus some evening hours.  
**Requirements:** High School diploma or equivalent. Able to work with schedules and in a group situation. Background in the security area helpful. Dependable in reporting and attentive to detail necessary. Able to communicate well with public. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza, Ithaca, New York 14850.

## General Service Temporary

In addition to posted positions, temporary opportunities frequently occur in custodial, food service, dish machine operation, material handling and other service areas. All individuals are encouraged to apply. Call Karen Raponi at (607) 255-2192 or 255-7422 for more information.

### Custodian

**Building Care-Endowed/Statutory**  
Continuous recruitment will be done in the department of Building Care for temporary custodians. Providing general custodial care of buildings and grounds in immediate vicinity of assigned area. Monday-Thursday 6:00am-2:30pm, Friday 6:00am-1:30pm. Periodically 2nd and 3rd shift hours are available.  
**Requirements:** Basic reading and writing skills. Able to operate a variety of heavy power equipment, lift 50 pounds and climb a 6 foot ladder. Contact Karen Raponi, Staffing Services, East Hill Plaza, 255-2192 for an interview.

## Academic

### Lecturer

**Department of Communications**  
Teach upper level undergraduate course, Communication Planning and Strategy for the Public Relations, MWF afternoons during spring semester, January 20-May 18, 1990.  
**Requirements:** Advanced degree or equivalent experience in PR related area. Understanding of public opinion theory, communication campaigns and public relations case study analysis. Submit letter of application, resume, transcripts, three letters of recommendation, and any supporting materials to Professor C. Glynn, Department of Communication, Cornell University, Ithaca, New York 14853.

### Assistant Professor

**Biometrics Unit**  
**Requirements:** PhD in statistics, biometry or applied probability. Consulting experience and/or research interests connected to biology or agriculture preferred. Send resume, transcript, and 3 letters of recommendation to Professor C.E. McCulloch, Biometrics Unit, College of Agriculture and Life Sciences, 337 Warren Hall, Cornell University, Ithaca, NY 14853 by January 19, 1990.

### Research Associate III

**Agronomy**  
Research physiological, biochemical and anatomical aspects of buckwheat seed set. Identify components and functions which limit seed set and the availability or utilization of sugars and amides by developing seeds. Available immediately or until filled.  
**Salary:** \$22,715 to \$25,650 first year. Contact Professor Ralph L. Obendorf, 619 Bradfield Hall, Cornell University, Ithaca, NY 14853-1901. Telephone 607-255-1709.

### Assistant Professor, Tenure Track

**Department of Communication**  
Starting date: July 1, 1990. **Requirements:** PhD in communication, mass communication, or a closely allied field. Strong teaching and research credentials. For details and how to apply, submit a cover letter, resume, academic transcripts, and the names and addresses of 5 references to: Dr. Carroll J. Glynn, Chair, Search Committee, Department of Communication, 312 Roberts Hall, Cornell University, Ithaca, NY 14853 by January 15, 1990.

### Lecturer

**Communication Arts**  
1 year appointment. Starting date: August 9, 1990 or as negotiated. **Requirements:** MS or PhD in communication or equivalent. BA with significant professional experience. Professional publication experience. Send letter of application, resume, academic transcripts, and names and addresses of 5 references by January 15, 1990 to Dr. J. Paul Yarbrough, Chair, Search Committee, Department of Communication, 312 Roberts Hall, Cornell University, Ithaca, NY 14853.

### Senior Extension Associate

**Agricultural and Biological Engineering**  
**Requirements:** MS in civil engineering or equivalent. NYS Registered professional engineer. 5 years experience in road design/construction. Send cover letter and resume to Professor Lynne Irwin, Agricultural and Biological Engineering, 422 Riley-Robb Hall, Cornell University, Ithaca, NY 14853.

## Aetna Toll Free Telephone Number Difficult to Reach During NYNEX Strike

Faculty and staff covered under the Endowed Health Care Program have recently experienced delays in reaching Aetna's toll-free telephone line. Aetna upgraded their telephone system last spring when you received new ID cards in an effort to improve service. However, in the midst of adding new trunk lines, Aetna themselves became victims of the NYNEX strike. In spite of repeated efforts on Aetna's part there seems to be no solution until the strike ends. If you call Aetna and receive a message asking you to call back it means that there are so many calls queued up on hold that the system cannot store any additional calls. You will most likely have to try Aetna's toll-free line several times after waiting at least an hour between calls before you are successful.

Anyone covered under the Endowed Health Care Program who is unable to precertify a hospitalization after several attempts should call Employee Benefits (255-3936) and notify us of your difficulty. Penalties for failure to precertify will not be imposed if an employee is unable to reach Aetna by telephone and notifies Employee Benefits of the problem when it occurs.

Please try to be patient while Aetna waits out the NYNEX strike. Aetna has tried with great diligence to resolve this problem and has asked for our patience and cooperation.

## Cornell Employment News

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