

Cornell CHRONICLE

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A fund
for China

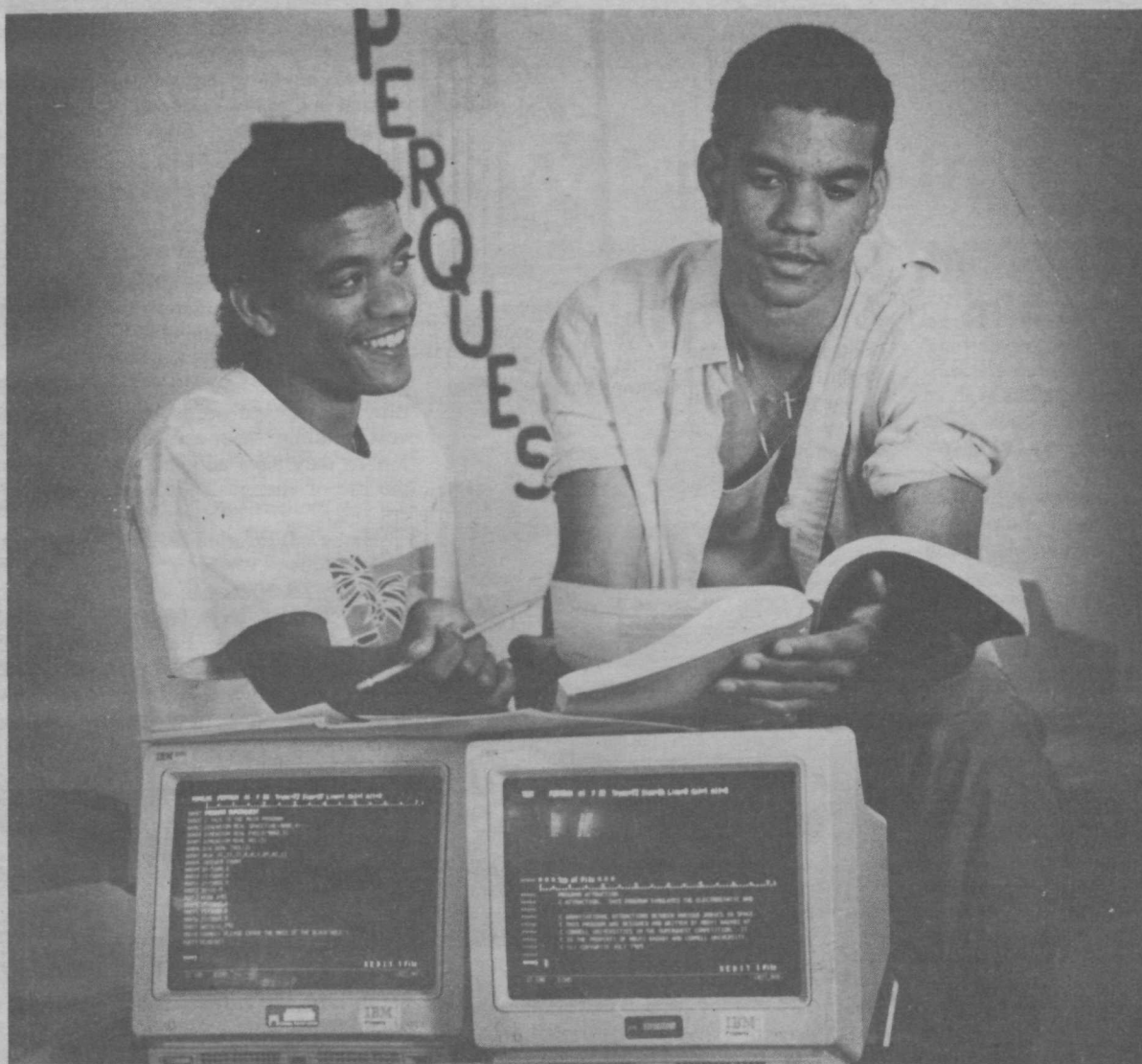
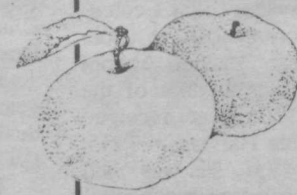
自由
民主

6

McIntosh
apples
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7

Endangered
species



SUPERQUEST TWINS USE CORNELL'S TWIN SUPERCOMPUTERS — High school students Sanza, left, and Mbuyi Kazadi, 16-year-old twin members of a team from the Illinois Mathematics and Science Academy in Aurora, Ill., one of the teams to win the national Superquest Competition, try out one of Cornell's two International Business Machine Corp. supercomputers. The brothers are attending a Superquest training course this week to

learn to use Cornell's equipment. Mbuyi is developing a program to study "Attraction between Bodies in Free Space" and Sanza is mounting a project on "Clocking a Black Hole." Other winning high school teams are from Houston, Tex., Silver Spring Md., and Durham N.C. The national Superquest competition that introduces high school students to supercomputing is sponsored by IBM and the National Science Foundation.

Chris Hildreth

Agriculture's core literature to be put on discs

The core literature of world agriculture — the equivalent of 10-million Encyclopedia Britannica pages — is to be made available to Third World countries on 40, five-inch compact discs, thanks to a project under way at Mann Library.

The four-year project, funded by \$555,000 from the Rockefeller Foundation, is expected to have a palpable effect on food production in the Third World, where "there is a clear relationship between information, wealth and progress," according to Mann Library's director, Jan Olsen.

"Progress in agriculture is based on knowledge and technology transfer," Olsen said.

"The knowledge can be provided by experts, and, indeed, the payment of expatriate specialists continues to represent the largest cost factor to aid agencies.

"In the future, however, for political and economic reasons, and because of the increasing availability of trained experts and managers in the developing countries themselves, this emphasis has to shift. Scientific literature has to become the basic source of knowledge."

The Cornell project will not itself produce the compact optical discs. Rather it will produce eight volumes that identify the most significant books, journals, working papers and other materials written in eight agricultural disciplines over some 200 years.

The discs, which will contain full texts of materials identified in the eight volumes, will be produced and distributed by commercial companies.

Because the first of eight volumes — that on agricultural economics — has been completed under a Cornell pilot for the larger project, Olsen says it is likely the first disc set will be produced and available by mid-1990.

To suggest the scope of the project, Olsen noted that there are 12,000 journals concerned with agriculture, and the magnitude of scientific literature doubles every decade.

"No one else has come to grips with a universe of literature as we are doing and making qualitative judgments. Traditional efforts to identify even small segments of useful literature tend to rely on quantitative judgments — how many times materials are cited in the professional literature. Our interest, though, is to identify materials that will be of optimal value to researchers in the Third World."

To cull the universe of literature, experts at Cornell will

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Pedestrian mall set for part of Central Avenue

Plans have been developed to turn Central Avenue between Willard Straight Hall and Campus Road into a pedestrian plaza lined with trees, street lights, seating areas and facilities for outdoor gatherings.

All vehicle traffic and 16 metered parking spaces were eliminated permanently on July 10 along the last block of Central Avenue north from Campus Road in front of the Gannett Health Center and Olin Hall. Some preliminary site work is scheduled to start this summer. The design and final budget for the project will be developed later this year, and major site work will continue into 1990.

The one-block area was closed to vehicles to ease concern about possible accidents. Much of the area — bracketed by McGraw Tower, Sage Chapel, Willard Straight Hall, Barnes Hall and the Campus Store — is a focal point of students' social

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Department of Manuscripts and University Archives

McGraw Tower is seen during the early 1900s in a view looking north from Campus Road through the Elm trees that lined Central Avenue during most of this century.

New parking plan now calls for B Lot to be free in '89-90

B Lot parking will continue to be free next year, and some anticipated parking-fee increases will be scaled back under revised plans reported by William D. Gurowitz, vice president for campus affairs.

In a July 10 letter to all faculty and staff, Gurowitz noted that an extra \$200,000 from the university's general-purpose budget would help limit user costs. The additional \$200,000 represents about a 40 percent increase over the more than \$500,000 subsidy the university now provides for the campus parking and transportation budget, including the campus bus system, he said.

"While such subsidies provide direct relief to users, the money must come from other budget sources," including, perhaps, the salary-increase pool or tuition income, Gurowitz said in his letter.

In addition to reporting that free lots would remain free for 1989-90, Gurowitz said he had reached several other decisions following his participation at some 30 cam-

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Notables

Thomas Eisner, the Jacob Gould Schurman Professor of Biology, was honored June 3 by Harvard University as a Centennial Medalist on the occasion of the 100th anniversary of Harvard's Graduate School of Arts and Sciences. A member of the Cornell faculty since 1957, Eisner received his Ph.D. in biology from Harvard in 1955, as well as his B.A., in 1951. He was cited by Harvard for his "contribution to society."

The American Society of Agricultural Engineers has presented its 1989 Henry Giese Structures and Environment Award to **Norman R. Scott**, director for research at the College of Agriculture and Life Sciences, "for distinguished work in advancing the knowledge and science of farm buildings." He was cited for his "pioneering leadership in the application of fundamental physical and biological principles for environmental design of animal shelters." Scott also was elected technical vice president for the ASAE at its international summer meeting June 25 through 28 in Quebec City, Canada. In addition, **J. Robert Cooke**, professor of agricultural and biological engineering, was elected a fellow of the ASAE at the meeting.

A paper co-written by **Michael B. Timmons**, associate professor of agricultural engineering, and **R.S. Gates**, an assistant professor of agricultural engineering at the University of Kentucky, was one of nine selected from 374 papers to receive a 1989 Paper Award from the American Society of Agricultural Engineers. The paper, titled "Methods to Assess Economic Risk Applied to Environmental Control Options for Animal Housing," appeared in "Transactions of the ASAE" during 1988.

The Bohmische Physical Society has conferred Scientific Membership in the international organization on **Richard A.L. Jones**, a postdoctoral associate in materials science and engineering, "for contributions to the field of ion beam analysis of polymers." Members are chosen to recognize their independent and original research in the field of particle-solid interactions. The memberships are given to promote advancement of knowledge and "to encourage exchange of information between scientists and engineers" in the field.

Fernando Torres, a senior majoring in chemistry and biology, has received his second straight National Science Foundation Incentives for Excellence Scholarship Prize worth \$1,000 from the Department of Chemistry. The award to Torres, a resident of San Juan, is part of the NSF's Minority Graduate Fellowship Program. The prize became available when Don Wesley Arnold, an American Indian who graduated from Cornell in 1988 with a degree in chemistry, earned an NSF Minority Graduate Fellowship this year at the University of California at Berkeley. As part of NSF's recognition of Arnold's accomplishments, the foundation provided Cornell's chemistry department with \$1,000 to award to an outstanding minority undergraduate student. Torres received the NSF Incentives for Excellence Prize from the Department of Physics in 1988.

Galbreath named new director of law school's Legal Aid Clinic

Glenn G. Galbreath has been named director of the Law School's Legal Aid Clinic, effective July 1, Law School Dean Russell K. Osgood has announced.

The clinic offers about 60 law students a year the chance to work as lawyers in cases dealing with family law, welfare, consumer law and housing issues.

The students are supervised by a staff of four lawyers. Clients must meet certain economic guidelines to be eligible for the free legal service offered by the clinic, Osgood said. The clinic handles from 150 to 200 cases a year.

Galbreath, who has been a staff attorney in the clinic and a lecturer in the Law School since 1986, was named to an initial two-year term as director. He replaced Barry Strom, who had been director of the clinic since 1978. Strom, a 1974 graduate of the Cornell Law School, is continuing as a senior lecturer and staff attorney with the clinic, Osgood said.

"Barry has been an effective leader of the clinic," Osgood said. "He's tenacious, he works hard and he's dedicated. He has

built an excellent, stable staff of attorneys. What you see down there [at the clinic] has really been built by Barry."

As a senior lecturer and staff attorney, Strom will be able to devote more time to the supervision of students and to legal research and less time to administrative details, Osgood said. Robert F. Seibel, the associate director of the clinic, also will be giving up his administrative duties to pursue his student supervision and teaching full time, Osgood said.

"Glenn Galbreath promises to build on Barry's work and to lead the clinic decisively as it and the Law School make decisions about potential new directions," Osgood said.

Prior to joining Cornell in 1986, Galbreath was the deputy director for litigation at Advocates for Basic Legal Equality Inc. of Toledo, Ohio, where he directed a team of attorneys specializing in federal class action litigation in housing, employment and other matters for low-income people in a 14-county area.

—Mark Eyerly

Gates wins award for literary criticism, comments on film

Henry Louis Gates Jr., the W.E.B. DuBois Professor of Literature, has won an American Book Award for his book, "The Signifying Monkey: A Theory of Afro-American Literary Criticism."

Gates was among 18 winners of the 10th annual awards, presented by the Before Columbus Foundation "to advance American writing in all its diversity."

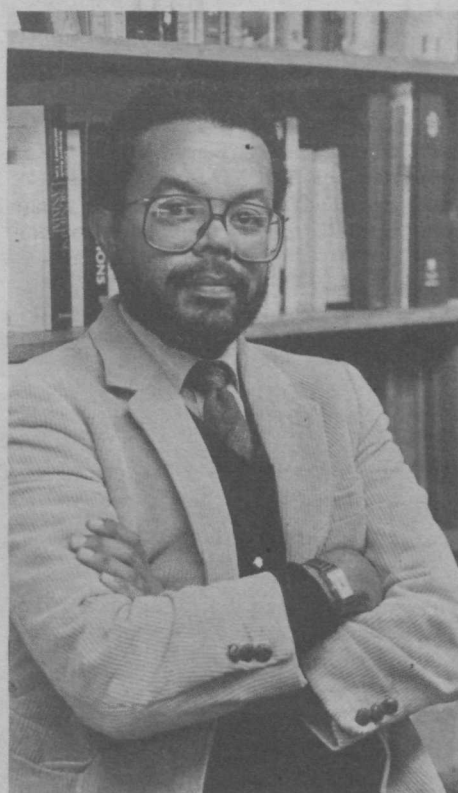
Recognized for his work in literary criticism and his writings on Afro-American culture, Gates also is author of "Figures in Black: Words, Signs and the 'Racial Self'" and is general editor of "The Schomburg Library of Nineteenth-Century Black Women Writers."

Also, Gates was among seven educators, government officials and a screenwriter who joined New York Times editors to discuss Spike Lee's new film, "Do the Right Thing." A story about that conversation appeared in the July 9 New York Times.

The film "depicts racial tensions on the hottest day of the summer in the Bedford-Stuyvesant section of Brooklyn, ending with the killing of a black man by the police and a riot," the Times said. Some have raised concerns that the movie might inspire violence by those who view it.

"I think the film is an allegory of the melting-pot myth in the United States," Gates said during the discussion with Times editors and others.

"The brilliance of the film to me is in how well it re-creates the way in which all these ethnic groups are interacting on this corner in an American inner city. It's a war of culture fought out at the level of economics. Economic relationships, which are at war with each other in the society, are masked through their cultural manifesta-



Henry Louis Gates Jr.

tions," he said.

"... He [Spike Lee] could have made a coercive movie that would show only one side of all the larger questions here, but he didn't. This is a porous movie, this is a movie about choices. The moviegoer is even left with a choice, put there literally through the two quotes of Malcolm X and Martin Luther King.

That's why it's not, I think, incendiary. It allows you to bring choice and interpretation to it. And that's what I think will keep it from causing social problems in the hot summer."

—Mark Eyerly

Organic farming will be featured in farm field days

How organic farming methods work on several commercial farms in New York state will be the focus of a series of six field days to be held this summer for farmers interested in adopting cost-cutting low-input farming practices.

The first field day, featuring discussions, tours and demonstrations of organic farming, will be held on Saturday, July 15, followed by five other field days in different locations through Sept. 20.

"These field days should be useful to any commercial farmer interested in cutting chemical costs and improving soil and crop management practices," said Judy Green, one of the coordinators of the outdoor events.

Green is an extension support specialist with the Farming Alternatives Project in the Department of Agricultural Economics.

The field days are planned as a follow-up to a successful statewide conference on alternative agriculture held in February at the New York State Agricultural Experiment Station in Geneva. The conference attracted some 325 people from throughout the Northeast, demonstrating the growing interest in low-input farming methods, Green said.

Several of the experienced organic growers who spoke at the Geneva conference will open up their farms for a day to share information with other farmers, extension agents and researchers, she said.

They will explain why they chose organic practices, how they maintain soil fertility and manage weeds and pests, post-harvest handling, labor and marketing, and solutions they have adopted to avoid or limit the use of chemical pesticides and fertilizers.

Dates and locations of the field days and topics follow:

- July 15, 10 a.m. to 4 p.m.: John Myer's Farm, Romulus, N.Y., Organic grains, beans and hay. In addition, Eelco Schaap of Farm Verified Organic Inc., an organic food processing company in Redding, Conn., will give a talk on how to convert to a sustainable farming system. This field day will be held rain or shine.

- July 27, noon to 4 p.m.: Rose Valley Farm, Rose, N.Y. (Rain date: Aug. 31), on composting on a farm scale.

- Aug. 7, noon to 4 p.m.: John Gorzynski Farm, Cohecton Center, N.Y. (Rain date, Aug. 14), on organic vegetable production for urban farmers' markets.

- Sept. 6, noon to 4 p.m.: Blue Heron Farm, Lodi, N.Y. (Rain date, Sept. 10), on organic vegetable production for a marketing cooperative.

- Sept. 13, noon to 4 p.m.: Hepworth Farm, Milton, N.Y. (Rain date, Sept. 19), on organic and low-input apples and other fruit.

- Sept. 20, noon to 4 p.m.: Moody Hill Farm, Amenia, N.Y. (Rain date, Sept. 27), on composting on a commercial scale.

The field days are a joint effort of Cornell Cooperative Extension, the Natural Organic Farmers Association of New York (NOFA-NY), the Northeast Organic and Sustainable Farmers Network and the Empire Chapter of the Soil and Water Conservation Society of America.

The Associated New York State Food Processors Inc. is the co-sponsor of the workshops on composting.

For more information about the field day programs, call Judy Green at 255-9832. To register, call Pat Kane at 648-5557.

—Yong H. Kim

Museum acquires two new paintings

Two paintings by contemporary Spanish artist Esteban Vicente have been acquired by the Herbert F. Johnson Museum of Art and are on display there through the middle of August.

The abstract paintings titled "Orion" and "Untitled No. 3" were purchased with funds from the American Academy and Institute of Arts and Letters and by the museum's Hill Fund and David Solinger Purchase Fund.

Other pieces on display in the museum's Recent Acquisitions exhibition include works by Robert Arneson, Stephen Barbash, Kumi Korf, Bryan Hunt, Joel Perlman and Andrea Strongwater.

Cornell Chronicle

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

Corrections

A headline in the June 22 Cornell Chronicle incorrectly described work being done by Robert Buhrman and colleagues. The headlines should have read "Scientists build tiny bridges to study electromigration."

An article in the same issue about Moakley House at Cornell's golf course neglected to give the clubhouse's hours on Fridays. Moakley House is open on Mondays from 9 a.m. to 8 p.m., Tuesday through Friday from 9 a.m. to 8:30 p.m., Saturdays from 7:30 a.m. to 8:30 p.m. and Sundays from 7:30 a.m. to 6 p.m.

The next issue of the Cornell Chronicle will be published on July 27.

Publication date	Deadline
July 27	July 17
Aug. 10	July 31
Aug. 31	Aug. 21

Chinese students begin relief fund to aid families of student protesters

A group of Chinese graduate students has started a relief fund that they hope will help the families of the students killed during protests in China.

"You can imagine how distraught the families of these vanguards of democracy are at their loss of their precious sons and daughters. But you cannot imagine how difficult their lives will be from now on under the suppression of the current dictatorship," the students wrote in a statement announcing the fund.

"They will be persecuted politically, socially and economically. They will be labeled 'anti-revolutionaries,' ostracized from their friends and colleagues.

"We are certain that the current ruthless dictatorship will not survive, and some day soon we will be able to give this money to these families to show our love and respect for them."

There are 199 Chinese graduate students at Cornell working toward degrees and 63 Chinese scholars studying at the university, according to Alison P. Casarett, dean of the Graduate School.

Cornell's interactions with China include studies on the relationship between nutrition and disease and on the effects of family planning and free enterprise in China, as well as a teacher-training program for China's hospitality industry.

Tax-deductible contributions to the fund can be made through Cornell United Religious Work, an umbrella organization of chaplains and related religious activities on campus. The fund will be supervised by an advisory committee to be appointed from graduate students, faculty and university administrators, Casarett said.

Money contributed to the fund will be held at Cornell until changes in China's political situation make it possible to give the money to families of the killed students, said one of the Chinese students who helped organize the fund.

The students said they hope that Chinese universities and other organizations will be able to help them distribute the money when that becomes possible.

"This is the most tragic event in recent Chinese history — the 'People's Army' massacring its own people," the students said in their statement. "Those students sacrificed their lives to bring democracy to China. We grieve with the families that have lost their sons and daughters. We grieve with China for the loss of her best hope for the future."

Contributions can be made by sending checks payable to Cornell University, with "China Relief Fund" noted on the memo line, to Margaret Gerlach, 119A Anabel Taylor Hall, Cornell University, Ithaca, N.Y. 14853.

—Mark Eyerly



Chris Hildreth

A wreath commemorating the students killed in China was placed outside Day Hall in June.

Cornell seeks \$147.5 million from state for Veterinary College, library projects

Cornell administrators are asking the state for \$138.9 million from the sale of bonds through the State Dormitory Authority for construction and renovation projects in the state-supported colleges.

The university also is seeking another \$8.6 million in regular state capital appropriations for smaller construction, renovation and repair projects during the budget year that begins next April 1, bringing the total request to \$147.5 million.

The request will be made through State University of New York (SUNY) Chancellor D. Bruce Johnstone.

Cornell's vice president for planning and budgeting, Malden C. Nesheim, received approval to make the request from the Executive Committee of Cornell's Board of Trustees at its meeting in New York City on June 29.

Nesheim also is seeking SUNY support for redressing the "chronic underfunding" of campus repair and maintenance needs.

The largest bond request is for \$75.8 million for the construction and renovation of teaching, clinical and research facilities

at the College of Veterinary Medicine. The proposal would add 322,000 square feet of space and renovate another 50,000 square feet. The facilities at the Veterinary College have not kept pace with the demands of more students and faculty and more complex scientific work, Nesheim told the trustees.

Funds for the design of this project were provided through a bond issue last month. While construction dollars probably would not be needed until the spring of 1991, the required design time justified getting "executive and legislative endorsement" in the coming year, Nesheim said.

The second-largest bonding request is for \$41.5 million to pay for the state-approved renovations and expansions of the Catherwood Library serving the School of Industrial and Labor Relations and of the Mann Library serving the Colleges of Agriculture and Life Sciences and of Human Ecology.

Nesheim noted the importance to Cornell of quickly starting the fourth phase of rehabilitating Martha Van Rensselaer Hall, which houses the College of Human Ecology,

but he said no new funds were requested because he expected costs to be covered by bonds already issued.

In a recent letter to Johnstone, SUNY's chancellor, Nesheim referred to what has become "chronic underfunding" for maintenance of state-support facilities.

"In the fiscal year completed March 31, 1989, we were reduced to addressing only those routine maintenance work orders that constituted defined emergencies, and were unable to complete virtually any planned maintenance items," he wrote.

"This situation is eroding the state's investment in the statutory college plant and will generate much higher rehabilitation or replacement costs in the future. Anything you and your colleagues can do to increase the level of funding for both facilities-maintenance appropriations and repair-category projects will be deeply appreciated."

SUNY has supported requests for increased funds for facilities maintenance in recent years, but the necessary appropriation increases have not survived the annual budget process.

Agriculture, worker-owned companies are lecture topics

Lectures on what happens when workers take over a business and the agricultural revolution are among the highlights of the next two weeks of Summer Session, from Monday, July 17, through Friday, July 28.

Other activities will include classical and bluegrass concerts and a performance of Shakespeare's "Macbeth." All events are free and open to the public.

Joseph V. Vittoria, president of the car rental firm Avis Inc., will discuss "What Happens When Employees Buy the Company?" on Wednesday, July 19, at 7:30 p.m. in Statler Auditorium. David L. Call, dean of the College of Agriculture and Life Sciences, will discuss "The Agricultural Revolution — the Benefits and the Costs," on Wednesday, June 26, at 7:30 p.m. in Bailey Hall.

Other scheduled events:

- The French boys choir Les Petits Chanteurs de Lyon will give a concert in Sage Chapel on Friday, July 14, at 8:15 p.m.
- Peggy Haine and the Lowdown Alligator Jass Band will give a concert on the Arts Quadrangle on Thursday, July 20, at 7 p.m.
- The Hangar Theater will perform Shakespeare's "Macbeth" in Barnes Hall Auditorium on Friday, July 21, at 8:15 p.m.

A calendar listing all events is available from the Division of Summer Session, Extramural Study and Related Programs, Box 90, B12 Ives Hall, Ithaca, N.Y. 14853; (607) 255-4987.

Summer Session events from July 27 through Aug. 4 will be listed in the Cornell Chronicle calendar of July 27.



Harpsichordist Joyce Lindorff will perform July 24 at 8:15 p.m. in Barnes Hall.

Cholesterol linked to blood clots, heart attacks

Cornell Medical College researchers have discovered a new link between a little-known cholesterol and heart attacks.

Researchers in the division of hematology-oncology, led by Dr. Ralph Nachman and Dr. Katherine Hajjar, have found that the presence of high levels of the cholesterol lipoprotein (a), known as Lp(a), in the blood seems to inhibit the body's natural clot-dissolving mechanism. The presence of these clots, blocking the flow of blood to the heart, can cause heart attacks.

The research, reported in the May 25 issue of the British journal Nature, involved the use of endothelial cells from the lining of the artery walls. These cells had been

previously shown by Nachman and Hajjar to be important in the body's clot-dissolving reactions by binding an important clot-dissolving protein plasminogen to their surface. Plasminogen is then converted on the cells to plasmin, the body's active clot-dissolving substance.

What this research showed was that the entire clot-dissolving process was pre-empted when the endothelial cells were exposed to high levels of Lp(a).

Apparently, this occurs because of the striking similarity in molecular structure between plasminogen and Lp(a).

The researchers have, in effect, implicated another "bad" cholesterol — along

with the familiar form of cholesterol, known as low-density lipoprotein, or LDL — in coronary artery disease.

The Lp(a) cholesterol appears to be independent of LDL and diet (unlike LDL), and thus an independent risk factor for heart attacks and stroke.

"The excitement of the research," noted Dr. Nachman, director of hematology-oncology at New York-Cornell, "is that we may have finally explained why up to 25 percent of the population may suffer heart attacks for no apparent reason."

"Lp(a) appears to be genetically determined, and thus high levels of Lp(a) could predispose one to heart disease and stroke."

CUMC introduces new technique for vasectomy

A vasectomy technique that is quicker, less painful and less invasive than a conventional vasectomy has been introduced in America by The New York Hospital-Cornell Medical Center.

The technique, known as no-scalpel vasectomy, was developed in China and introduced here by Dr. Marc Goldstein, director of the Male Reproduction and Microsurgery Unit of the Division of Urology at New York-Cornell.

In a conventional vasectomy, incisions are made in the scrotum, and the vas deferens — the canal that transports semen — is cut and tied, a procedure that takes about half an hour to perform. No-scalpel vasectomy, while just as effective a means of contraception as the conventional method, takes only 7 to 10 minutes and involves less discomfort and reduced bleeding. The convalescence period is also reduced.

The no-scalpel technique involves the injection of a local anesthetic into the scrotum. A specially designed forceps encircles and firmly secures the vas deferens under the skin. Another specially designed instrument — a modified curved hemostat with sharpened points — is used to puncture the skin. The vas deferens is then lifted out through the tiny puncture hole and cauterized, as in the conventional vasectomy technique. Both vasa are brought out and treated through a single puncture hole in the middle of the scrotum. No sutures are needed to close the tiny puncture wound.

Goldstein, co-author of The Vasectomy Book, and a recognized expert in male reproduction, became aware of the no-scalpel method when he was invited to be part of a medical team sent to China by the Association for Voluntary Surgical Contraception in 1985.

During the trip, Goldstein met with Dr. Li Shunqiang of the Chongqing Family Planning Scientific Research Institute in Sichuan Province, and he was impressed by Li's vasectomy technique. He returned to China in 1986 to learn the technique. Goldstein has since been using the technique at New York-Cornell, as well as training other physicians in the procedure.

Students to present research on Aug. 1

All undergraduates engaged in research this summer are invited to make presentations of their findings at the Undergraduate Research Forum on Tuesday, Aug. 1.

So far, some 80 students are expected to attend the day-long program, from 9 a.m. to 4 p.m., and give a talk or poster presentation. Students in the minority exchange programs run through the Graduate School and most of the students supported by the National Science Foundation's Research Experiences for Undergraduates Program are required to participate.

For information and instruction, call Marilyn Williams, assistant dean of the College of Arts and Sciences, at 255-5004.

Cornell absolved in handling of harassment case

Cornell promptly investigated and equitably resolved a student's complaint of sexual harassment by a professor, and the university has adequate procedures in place to respond properly to harassment complaints in general, according to a ruling by the U.S. Department of Education's Office for Civil Rights.

"We've been completely exonerated," said Thomas M. Santoro, associate university counsel. "The investigation found no merit to the student's charges regarding how we responded to her specific complaint of harassment or how we respond to harassment cases in general."

A graduate student, Prita Chathoth, charged this spring that Cornell lacked appropriate grievance procedures to adequately address sexual harassment complaints and that the university failed to properly investigate her complaint of sexual harassment against Vithala R. Rao, a professor of marketing in the Johnson Graduate School of Management, which she filed with the university in April 1987. Rao denied the charges.

The case received extensive press coverage in Ithaca last March, when lawyers for Chathoth announced that they were suing the faculty member in federal court and filing a complaint with the Office for Civil Rights against Cornell for its handling of the situation.

Cornell officials first learned of the charge against the university because of press coverage initiated by Chathoth's lawyers. The university's lawyers had to file a

Freedom of Information Act request to obtain details of Chathoth's complaint against the university, Santoro said.

According to press reports at the time, Rao's lawyers threatened to sue Chathoth for damaging his reputation. Chathoth eventually agreed in an out-of-court settlement not to pursue the case in the courts. At the time, her lawyer said that the complaint to the Office for Civil Rights would go forward.

The investigation by the Department of Education found that Cornell "took steps to promptly address the student's sexual harassment complaint and, based upon the information available to the university, equitably resolved the complaint."

The Education Department's Office for Civil Rights also stated that "the university has adopted and published grievance procedures which provide for the prompt and equitable resolution of sexual harassment complaints." Its findings were reported in a letter sent to Cornell President Frank H.T. Rhodes.

Chathoth charged in April 1987 that she was harassed by Rao from early 1986 until Dec. 25, 1986. During that period, she was taking a class from him and was working for him as a research assistant. Her charges, which the professor denied, were investigated by Cornell's Office of Equal Opportunity.

According to the investigation by the Office for Civil Rights, Chathoth claimed that she received "unwelcomed physical contact" from the faculty member and that he

"attempted to coerce her into an intimate relationship by threatening her position as his research assistant and insinuating that she would receive a poor grade in the class she took from him . . . if she did not submit to his advances."

Also according to the report, Rao "admitted that he had made physical contact" with Chathoth, but only to give her "a paternal kiss on the forehead . . . and a paternal hug in response to what he perceived as the student's need for consolation."

He stated that these gestures did not seem to him to be unwelcomed by the student, nor were they intended to be sexual in nature." Rao added that Chathoth had made statements to him such as, "if only you were 20 years younger, I would marry you," and "where were you earlier in my life?"

The Office for Civil Rights report added that on Christmas Day, 1986, Chathoth invited Rao to her house.

"The student admitted that when the professor arrived at the house she and her husband would not let him leave and demanded that the professor admit he had attempted to coerce the student into an intimate relationship," according to the report. "Although the accounts of the incident differ, the professor stated that he wrote a note admitting involvement with the student."

The complaint was the first charge of any kind against Rao, and Cornell's investigation was unable to determine if any harassment had occurred, according to the Office for Civil Rights report. Without a determination of guilt or an acknowledgement

of guilt on the professor's part, Rao was directed to receive counseling about sexual harassment and about behaviors that might be interpreted as harassment, the report said.

The actions taken by the university with this professor were "consistent with that received by other professors where the nature and severity of the alleged conduct was similar and where no other complaints had been filed against them," the report added.

The Office for Civil Rights also reported that Cornell has four formal grievance procedures available to persons who believe they have been sexually harassed. It found that alleged offenders have been penalized, directed to change their behavior and received counseling, where appropriate. Most complaints are resolved within three months, the report said.

A brochure discussing sexual harassment and Cornell's procedures for responding to complaints is distributed in student registration materials and to new university employees as part of their orientation, according to the report. Also, Cornell's Office of Equal Opportunity holds up to 20 workshops each year on sexual harassment and displays posters in residence and lecture halls.

The only fault found with Cornell in the report was that the name, office address and telephone number of the person who receives sexual harassment complaints was not included in some materials furnished to students and employees. Cornell has submitted a written assurance that the information will be contained in future materials.

Program for high school minorities begins 2nd summer

A Cornell program that reaches into regional schools to build the pool of future minority scientists and humanities students started its second year this week, larger, more broadly focused and with most of last year's class back on campus.

The program reflects a Cornell commitment to do more than just recruit those minority students with outstanding high school records. Through this Cornell Young Scholars Program, the university also has begun to aid the long-term development of minority students with scholastic aptitude but more modest success in school.

The program began last summer with 22 black students who had just finished ninth grade in Ithaca, Elmira, Rochester and Binghamton area schools. During the year, they came to Cornell for a Saturday each month, worked on long-term science projects that were reviewed in the spring, and maintained continuous contact with mentors at Cornell and in business communities near home. This year 16 of those 22 came back, including one boy who traveled from Brooklyn, where his family had moved.

In the summer session that started on July 10, another 22 students — just out of ninth grade — were expected to join the group beginning its second year. Eventually, said Judy Jackson, program founder and director, Young Scholars will identify students after seventh grade and stay with them, year-round, until they graduate.

Jackson attributes the high return rate and reports of success during 10th grade to the intensive involvement of schools, businesses, Cornell and the families of every participating student. A further incentive to succeed is a lay-away scholarship plan for students who eventually come to Cornell — \$50 for each "A" and \$25 for each "B" they get in English, math or science. The industry-supported scholarship fund is already building.

The program itself — with a new, \$200,000 infusion from the Pew Charitable Trusts — was able to make changes this year in addition to doubling in size.

Last year's class was considered for pre-engineering potential. This year's, though



Maurice Jefferson, left, a student from Binghamton High School, and Trent Burgess, from Edison Tech in Rochester, two of 38 students enrolled in Cornell's Young Scholars Program this summer, gather aquatic life in ponds off Judd Falls Road.

still having to show scientific aptitude, may also be interested in other sciences or the humanities.

In addition to straightforward classes — with 10 students in math and 10 to 15 in English — participants have afternoon tutorials with one of four participating Cornell graduate students, student conferences, study-skills guidance, outside speakers and social events.

The students stay in Cornell dormitories, along with Jackson and several teachers.

Another change this year that Jackson

considers important is that the math, English and biology classes, which all students take almost every day, will be taught by teachers from the students' own schools instead of by Cornell faculty, as they were last year.

In preparation, the high school teachers met four times with colleagues from Cornell to plan their work.

"Last year, we touched 22 kids directly," Jackson said. "This year, it will be our 38 plus so many more touched indirectly when these teachers are back at their schools."

While some participants may have grades as low as "C" in some high school subjects, others have very strong academic records.

Noting that such a mix is beneficial, Joycelyn R. Hart, associate vice president for human relations, said:

"The brighter students can pull in others. We're fighting all the time to get kids to feel it's cool to be academically able. Including some of these high achievers tips the balance a little."

— Sam Segal

Scholar calls impact of Civil Rights Act unclear, 25 years later

Although employment discrimination on the basis of race "has become a lot less socially and legally acceptable" since passage 25 years ago of the Civil Rights Act of 1964, "it is hard to find proof that the act has reduced discrimination," said civil rights expert Theodore Eisenberg.

Eisenberg, a professor of law, calls the measure, enacted on July 2, 1964, "the most far-reaching civil rights measure in American history."

But in his study of federal civil rights and prisoner litigation from 1978 through 1985, Eisenberg found that only 22 percent of the employment discrimination cases that made it to trial were decided in favor of the plaintiff.

As a comparison, prisoners challenging the legality of their incarceration in habeas corpus suits had a higher success rate; they won 26 percent of their cases that went to trial during the same time period. Gener-

ally, most types of lawsuits have a success ratio of about 50 percent.

In cases where the federal government sided with people charging employment discrimination, the plaintiffs won 44.1 percent of the time, but in cases where the government was being accused of discrimination, plaintiffs won only 19 percent of the time, he said.

Also, charges of employment discrimination based on sex were more successful at

trial than were cases charging racial discrimination, Eisenberg said.

Only additional study can determine if the low success rate of employment discrimination cases is due to a judicial bias against those cases generally and those based on race specifically, or if employment discrimination cases are settled out of court more frequently than is true for other types of lawsuits, Eisenberg said.

— Mark Eyerly

CALENDAR

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

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

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

journalist, librarian, reformer, teacher, scholar, chess player and book collector, Monday through Friday, 9 a.m. to 5 p.m., to July 15.

Tjaden Gallery

CCPA Individual Grant Exhibit of photography by Rudy Lewis, July 24 through Aug. 1. The gallery is in Tjaden Hall.

FILMS

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

Thursday, 7/13

"The Glass Menagerie" (1987), directed by Paul Newman, with Joanne Woodward, Karen Allen and John Malkovich, 8 p.m., Uris.*

Friday, 7/14

"The Name of the Rose" (1986), directed by Jean-Jaques Annaud, with Sean Connery, F. Murray Abraham and Christian Slater, 7:20 p.m., Uris.*

"Ryan's Daughter" (1970), directed by David Lean, with Robert Mitchum and Sarah Miles, 8 p.m., Statler.*

"Dirty Dancing" (1987), directed by Emile Ardolino, with Jennifer Grey, Patrick Swayze and Cynthia Rhodes, 10:15 p.m., Uris.*

Saturday, 7/15

"You Can't Take It With You" (1938), directed by Frank Capra, with Lionel Barrymore, Jean Arthur and James Stewart, 7 p.m., Uris.*

"The Name of the Rose," 9:50 p.m., Uris.*

"Dirty Dancing," 8 p.m., Statler.*

Sunday, 7/16

"Way Out West" (1937), directed by James W. Home, with Stan Laurel and Oliver Hardy, 8 p.m., Uris.*

Monday, 7/17

"Sundays and Cybele" (1962), directed by Serge Bourignon, with Hardy Kruger and Patricia Gozzi, 8 p.m., Uris.*

Tuesday, 7/18

"The White Rose" (1982), directed by Michael Verhoeven, with Lena Stolze and Wulf Kessler, co-sponsored by Summer Session, 8 p.m., Uris.*

Wednesday, 7/19

"Being There" (1979), directed by Hal Ashby, with Peter Sellers, Shirley Maclaine and Melvyn Douglas, 8 p.m., Uris.*

Thursday, 7/20

"The Dead" (1987), directed by John Huston, with Anjelica Huston, Donal McCann and Frank Patterson, shown with "John Huston and the Dubliners" (1987), directed by Lilyan Sievemich, with John Huston, 8 p.m., Uris.*

Friday, 7/21

"Bagdad Cafe" (1988), directed by Percy Adlon, with Marianne Sägebrecht, CCH Pounder and Jack Palance, 7:30 p.m., Uris.*

"Monty Python & The Holy Grail" (1974), directed by Terry Gilliam, with Terry Gilliam, Terry Jones and Eric Idle, 8 p.m., Statler.*

"The Festival of Animation," 10 p.m., Uris.*

Saturday, 7/22

"Bagdad Cafe," 8 p.m., Uris.*

"The Festival of Animation," 9 p.m., Anabel Taylor Hall.*

"Monty Python & The Holy Grail," 10:30 p.m., Uris.*

Sunday, 7/23

"The Navigator" (1924), directed by Buster Keaton, with Buster Keaton and Kathryn McGuire, and with musical accompaniment by David Borden, 8 p.m., Uris.*

Monday, 7/24

"Breaker Morant" (1979), directed by Bruce Beresford, with Edward Woodward, Jack Thompson and John Waters, co-sponsored by Summer Session, 8 p.m., Uris.*



Randi Anglin

Cindy Reid and Christopher Flory of Ithaca Ballet. The company will perform in Alice Statler Auditorium on July 22 and 23. See the listings for details.

DANCE

Cornell International Folkdancers

Instruction and requests, July 16 and July 23, 7:30 to 10:30 p.m., Martha Van Rensselaer Hall auditorium.

Free 8-week sessions on basic folk dancing will offer a mixture of couples dances each week, line dances, reviews and substantial dancing of all dances taught previously. Couples dances from 8 to 10 p.m. in The Henry, Sage Hall: July 18, Schottische step and dances that include it; July 25, grand review and party. For information, call teachers Dick Darlington, 273-0707 or Marguerite Frongillo, 539-7335.

Ithaca Ballet

Repertory performance of ballets old and new, July 22, 8:15 p.m., and July 23, 2 p.m., in Alice Statler Auditorium. "Ragtime Town," "Los Diarios de Guerra," "Valse Panache," "Mountain of Needles," and "Flower Festival at Genzano" will be performed. Reserved tickets are \$9 adults, \$7 seniors and students with I.D., \$5 for children under 18, available at Center Ithaca Box Office, and Creative Kids Comers Community Center; tickets at door \$7 adults, \$5 seniors, students and children.

EXHIBITS

Johnson Art Museum

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

"Alison Bishop," an exhibition featuring the work of a well-known Ithaca artist, Alison Mason Kingsbury Bishop, who died last year at the age of 90 and was a landscape and mural painter, through July 23. The widow of Professor Morris Bishop, '14, she helped to paint the murals in the lobby of Willard Straight Hall.

"Revolution in American Art," an exhibition in conjunction with the Summer Session theme of Revolution, featuring artists Arthur G. Dove, Stuart Davies, Marsden Hartley, John Marin, Morgan Russell and William Zorach, all important figures in the growth of American Modernism, and including paintings, drawings, sculptures and prints, through Aug. 7.

Center for Jewish Living

"Judaica: The Tapestries of Kopel Gurwin," featuring 11 of the renowned artist's works employing the technique of felt applique, daily, noon to 7 p.m. through Aug. 15, 106 West Avenue.

Olin Library

"The Many Faceted Dr. Fiske: A Belated Recognition," an exhibition of books, documents, letters and photographs showing the many interests and activities of Willard Fiske, Cornell's first librarian, as a student, traveller,

Tuesday, 7/25

"The Journey Home," a video presentation, sponsored by the Ithaca Chapter of ECK-ANKAR, 7 p.m., in Loft 4, Willard Straight Hall.

"The Legend of Suram Fortress" (1986), directed by Sergei Paradjanov, 8 p.m., Uris.*

Wednesday, 7/26

"Planet of the Apes" (1968), directed by Franklin Schaffner, with Charlton Heston and Roddy McDowell, 8 p.m., Uris.*

Thursday, 7/27

"On The Waterfront" (1954), directed by Elia Kazan, with Marlon Brando, Karl Malden and Eva Marie Saint, 8 p.m., Uris.*

LECTURES

Summer Session

"What Happens When Employees Buy the Company?" Joseph V. Vittoria, president, Avis Inc., July 19, 7:30 p.m., Statler Auditorium.

"The Agriculture Revolution — the Benefits and the Costs," David L. Call, dean, College of Agriculture and Life Sciences, July 26, 7:30 p.m., Bailey Hall.

"Elephant Communication," Katharine B. Payne, research associate, Laboratory of Ornithology, and visiting fellow, July 30.

MUSIC

Johnson Museum

The String Orchestra and Faculty Quintet from the Chamber Music Institute at Ithaca College will perform on July 15 at 3 p.m. in the lecture room of the Johnson Museum. The concert will feature a range of compositions including the Mozart Quintet in C Major.

Summer Session

Outdoor concerts will be given at 7 p.m. on the Arts Quad (rain location: Kaufmann Auditorium, Goldwin Smith Hall), on the following dates: rap, dance and jazz with Fe Nunn's Musical Productions and the Got Fresh Crew, with Stephanie Bibbie, July 13; traditional and contemporary bluegrass, Chestnut Grove, July 18; traditional jazz with Peggy Haine and the Lowdown Alligator Jass Band, July 20; Ithaca Bluegrass with Chris Stuart and colleagues, July 25; traditional Ugandan music, Samite of Uganda, Aug. 1; jazzy rock, MILC, Aug. 3.

Baritone and soprano, David Neal and Elena Clancy, with piano accompanist, Nancy Wolfe, Barnes Hall, July 17, 8:15 p.m., Barnes Hall.

Harpsichordist Joyce Lindorff, Mellon postdoctoral fellow, music, July 24, 8:15 p.m., Barnes Hall.

Bound for Glory

Stout, a trio of shantymen and traditional singers of both the sea and the land, July 16; Geoff Bartley, a prize-winning finger-style guitarist with a bluesy flavor, July 23. Bound for Glory presents three lives sets, 8:30, 9:30 and 10:30 p.m. Sundays at the Commons Coffeehouse, Anabel Taylor Hall. Admission is free. The show can be heard from 8 to 11 p.m. on WVBR-FM 93.5.

RELIGION

Sage Chapel

Beverly A. Tasy, assistant director, Cornell United Religious Work, will deliver the sermon at Sage Chapel on July 16. Barbara Heck, chaplain, Protestant Cooperative Ministry, will deliver the sermon on July 23. Services will begin at 11 a.m. Music will be provided by the Sage Chapel choir, under the direction of Donald R.M. Paterson. Sage is a non-sectarian chapel that fosters dialogue and exploration with and among the major faith traditions.

Catholic

Mass: Saturdays, 5 p.m., through Aug. 19, Anabel Taylor Auditorium.

Mass: Sundays 10 a.m. only., through Aug. 20, Anabel Taylor Auditorium.

Daily Masses: 12:20 p.m., Anabel Taylor Chapel, announced on a weekly basis. Sacrament of Reconciliation by appointment.

Christian Science

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

Episcopal (Anglican)

Sundays, 10 a.m., Anabel Taylor Chapel.

Friends (Quakers)

Sundays, 10:30 a.m., Hector Friends Meeting House (about one mile west of Rt. 96, on the Perry City Rd. Rides leave Anabel Taylor parking lot at 10 a.m.)

Jewish

Morning Minyan: Young Israel House, 106 West Avenue. Call 272-5810.

Conservative/Egalitarian Services: Fridays at 7:30 p.m., Founders Room, Anabel Taylor Hall.

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Scientists fear new restriction on research animals

Current regulations governing the use of animals in biomedical and agricultural research are adequate and do not need to be replaced by more restrictive laws, several Cornell faculty members told Rep. Matt McHugh (D-28th) in a meeting on June 25.

Additional federal regulation could undermine what one scientist at the meeting called this nation's "knowledge industry."

Faculty researchers from the Colleges of Agriculture and Life Sciences, Arts and Sciences, and Veterinary Medicine requested the meeting with McHugh, whose congressional district includes the Ithaca campus, to discuss several proposals before Congress to curtail use of animals in biomedical research. McHugh is a member of the House Appropriations Committee, which controls budgets of federal agencies that support university-based research.

Several of the researchers who met with McHugh have signed a petition circulating among the faculty. The petition states in part: "While we are entirely committed to optimal animal care and use, and meet or exceed requirements of the Animal Welfare Act, Health Research Extension Act, Good Laboratory Animals Act and the New York State Public Health Act whenever appli-

cable, we are opposed to further legislation which, we believe, will place unnecessary restrictions on the progress of advances in biology and medicine."

Dr. Peter W. Nathanielsz, a professor of veterinary physiology who uses sheep as animal models for human mothers in the Laboratory for Pregnancy and Newborn Research, told Rep. McHugh that "the current battery of legislative proposals will slow the growth of the knowledge industry. We will go into a recession."

"When the knowledge industry goes into recession the cycle is not a two- or three-year downturn. Training young researchers takes 10 years; building facilities and acquiring equipment takes equally long. Is this what the nation wants?"

Dr. Barry J. Cooper, an associate professor of veterinary pathology who pinpointed the canine gene that makes dogs a model for the study of Duchenne muscular dystrophy in humans, spoke of the promise of gene therapy to counteract that fatal disease.

"There is no way we can offer this treatment to children who suffer this awful disease without testing first in animal models," Cooper said. "Unduly harsh restrictions are only going to slow this work — and in-

crease the costs to the public and the patients."

One research administrator blasted what he called the "hypocrisy of the animal rights movement." Dr. Douglas D. McGregor, director of the Baker Institute for Animal Health and associate dean for research at the Vet College, said animal-rights advocates "are willing to accept the benefits (of the research) to their animals and their children. But the constraints they would put on us would inhibit these advances."

Research into conditions such as schizophrenia, anorexia, autism and degenerative neural diseases requires the use of animals, said psychology Professor Robert E. Johnston.

J. Murray Elliott, professor and chairman of animal science, acknowledged that many of the livestock maintained by Cornell function as research subjects.

But "our research focus is on nutrition, physiology, reproduction and management," Elliott said. "Our goal is increasing efficiency of animals. We don't argue the need for humane treatment of animals. That's what our department is about."

One benefit of animal science research has been the changing composition of meat

products, which now have a smaller proportion of fat and more protein, Elliott said.

Students of veterinary medicine must learn about every animal from canaries to cats to camels, said S. Gordon Campbell, professor of immunology and associate dean for academic affairs at the Vet College. "We do use alternatives to live animals, including computer simulation and stuffed and dead animals," Campbell told the congressman. "But for day-to-day education of veterinary students we have to use many living animals. Many of those animals live long, fruitful lives," he added.

After listening to the researchers' concerns, McHugh said: "You are beleaguered and misunderstood. We (in Congress) don't want you to be distracted from your research, but you can't do away with peoples' freedom to express their concerns."

"I recognize that it is an annoyance to take time from your scientific efforts to communicate with the public. Go out into the community and talk to the average folks," the congressman said, suggesting Rotary Club luncheons as one such opportunity. "You would be surprised how many people don't appreciate the need for animal research."

—Roger Segelken

Pomologist expects fewer Macs with removal of Alar from market

Removing Alar from market may result in fewer McIntosh apples. The decision to remove Alar from the United States market may make it harder to find good McIntosh apples, according to a Cornell apple expert.

Since its commercial introduction in 1968, Alar, the commercial name for the chemical daminozide, has been used extensively to prevent apples, particularly McIntosh, from dropping from the trees before harvest and to make the fruit firm.

Because McIntosh is particularly prone to this problem, Alar has been the major management tool to prevent it.

Alar's manufacturer, Uniroyal Chemical Co., recently suspended sales of the chemical in the United States because of consumer fears about consuming Alar-treated apples. The chemical has been found to cause tumors in laboratory animals when fed at extremely high rates.

Many Northeast apple growers, especially those with older orchards of large McIntosh trees, will find it difficult without Alar to grow and harvest McIntosh apples that are of acceptable quality for fresh produce markets, said Warren C. Stiles, a professor of pomology in the College of Agriculture and Life Sciences.

McIntosh has been the leading apple variety in the Northeast for decades since it survived the 1933-1934 winter kill that wiped out more than 80 percent of other apples in the region, according to Stiles.

Because standard McIntosh trees cannot be managed economically without Alar, Stiles suggested that most orchardists should replace their old McIntosh trees with smaller trees or trees of other varieties as rapidly as possible.

More than 80 percent of New York state's McIntosh apples come from mature, large-sized trees, he said.

Currently, McIntosh is the leading variety of apple grown in New York state; the 7

million bushels of McIntosh apples produced each year represent about 35 percent of the state's annual crop. New York's 25 million bushels of apples a year place it second to Washington as an apple-producing state. Other major apple-producing states are Michigan, Pennsylvania, California and Virginia.

The impact on McIntosh trees will differ among different apple-producing regions of the state, Stiles said.

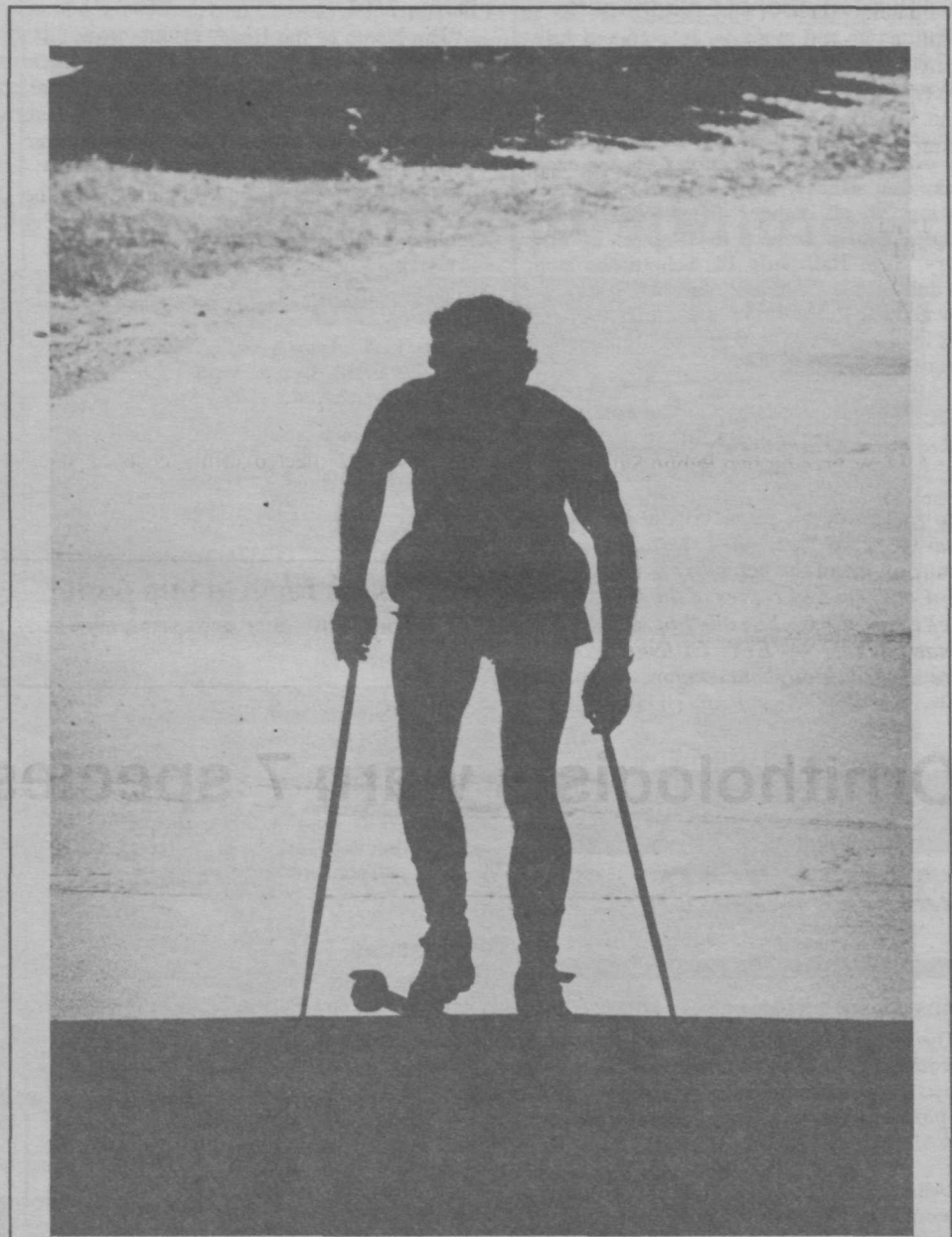
"There is no single alternative practice or set of practices that will match the effects of Alar in regulating the maturation and ripening of McIntosh apples," Stiles said. "It is critical to examine ways in which the adverse impacts of the removal of Alar from the market on McIntosh production might be minimized."

McIntosh trees could be replaced with other varieties such as Jonamac and Empire because these varieties mature at different times and do not drop off the tree as rapidly as McIntosh does, among other attributes, he said.

Stiles also offered other suggestions for orchardists that will reduce the effect of losing Alar. Among them:

- Pay more attention to two critical factors — potassium fertilization and the nitrogen-potassium balance. Leaf potassium levels of 1.5 to 1.8 percent help improve fruit size, color and firmness.
- Adjust use of nitrogen, potassium, calcium, magnesium, boron, zinc, copper and manganese as fertilizers according to nutrient analyses of McIntosh leaves.
- Sufficient amounts of magnesium will minimize premature ripening and pre-harvest fruit drop.
- Suppress weeds, which compete for water and nutrients available to trees.
- Monitor fruit maturity throughout the harvest period.

—Yong H. Kim



Chris Hildreth

THINK SNOW — Dave Blanpied, professor of pomology, roller skis along Plantations Road on Tuesday as temperatures rose to the high 80s.

Library continued from page 1

be augmented by advisory and review panels of experts from around the world.

The Rockefeller Foundation, which funds extensive programs in the Third World, reports rare and unanimous enthusiasm for the project.

They report, for example, the Rubber Research of Malaysia's thanks "for having the courage to undertake such a huge and complicated project" and the International Livestock Centre for Africa's praise for "this highly innovative and invaluable project."

The project idea originated with Olsen, who, before coming to Cornell seven years ago, worked with the National Agriculture Library in Washington, D.C., and consulted on Third World problems.

"I learned of the frustrations and limitations imposed on scientists there, where there were such limited funds. This project grew out of my thinking about the best use

of limited dollars in these countries."

With ocean-crossing experts an expensive and sporadic response to Third World needs and with a nearly fourfold growth in higher-education institutions in parts of Africa over the past 25 years, Olsen sought a solution that could bring a permanent, affordable source of knowledge to those new scholars and institutions.

The optical-disc format, besides being compact and weatherproof, does not require an ultra-high-tech setting.

The disc, software and an ordinary personal computer will suffice; some systems can even be run off a battery if electricity is not available.

While each master disc can cost more than \$50,000 to produce, Olsen says, thousands of copies can be run off and distributed at a cost of from only \$15 to \$25 each. She expects that international aid agencies will provide some kind of subsidy to help

Third World countries afford the packages.

The discs will serve not only scholars based in libraries and universities but also extension specialists who may be trained by those scholars then sent out into the agricultural regions where the knowledge can be applied directly.

Olsen says Mann Library, one of 16 libraries at Cornell, is the logical nerve center for the literature review that is the basis of the project. With about 750,000 volumes, a staff of 65 and the participation of some 200 student assistants, Mann is the largest university library for agriculture in the United States.

Besides being a boon to the Third World, the project is expected to be of service to American research libraries, which are pressed for space and beset by deteriorating paper in their books.

"In some research libraries up to 25 percent of their collections will be non-usable

in five years. These libraries contain the knowledge that is the backbone of free society; so it is exceedingly important that we preserve their collections for posterity," Olsen said.

The decision-making on what constitutes the core of such collections will be critical, "and will be going on all over, in all fields," she said.

A long-term easing of the space problem will come from the diminishing need for scholars to go the library. Numerous data bases already exist that identify literature but few that provide full texts from a universe of literature.

As the Cornell project and others provide that universe (or its core literature), scholars will be able to do all of their library work at their own personal computers, in their offices, at home, or at field sites thousands of miles away.

—Sam Segal

Graduate Bulletin



Degree deadline: Aug. 25 is the deadline for completing all requirements for an August degree from the Graduate School, including submitting the thesis/dissertation.

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

Barton Blotter: 24 thefts reported

Nearly \$13,000 in cash and valuables was reported stolen in 24 thefts on campus, according to the morning reports of the Department of Public Safety for June 19 through July 2.

The thefts included camera and VCR equipment valued at \$2,785 taken from Uris Hall, a \$2,200 electronic balance stolen from Bradfield Hall, a \$1,200 camcorder taken from the Wilson Laboratory trailer and \$1,995 in computer components stolen from Olin Hall.

Other thefts included two leather chairs worth \$1,500 removed from Myron Taylor Hall, a \$250 banner taken from the Young Israel Dining Hall and a gold watch, knife and glove box worth \$296 stolen from a pick-up truck in Riley Robb parking lot.

Four persons were referred to the Judicial Administrator on separate charges, two for using a used parking permit, one for using an altered parking permit and the other for forging a parking permit.

All four tires on two Public Safety patrol cars were slashed while the cars were parked in safety's parking lot at Barton Hall and the word "war" was scratched into the trunk of one of the vehicles.

Computerized copies of the most current daily report may be called up on CUINFO under the title SAFETY. CUINFO terminals are located throughout campus.

Cornell operations hold steady as state ratifies SUNY budget

The state legislature, before adjourning for the summer, ratified an agreement between Governor Cuomo and the State University of New York (SUNY), which will enable Cornell's state-supported colleges to finish this fiscal year at about the same level as in the year that ended March 31.

The governor is expected to sign these amendments to the SUNY appropriations bills.

"We have to maintain the discipline we've become used to," said Nathan Fawcett, director of statutory college affairs, "but, considering the state's fiscal problems, this budget is a fair and manageable one."

On the last day of the session, in a vote that involved no dollars but could have real educational impact, the legislature also authorized Cornell to provide more sophisticated extension programs by letting groups of counties share highly trained experts for such problems as integrated pest management, ground-water contamination, or working with disadvantaged young people.

Under the SUNY budget plan, Cornell's colleges of Agriculture and Life Sciences, Human Ecology, and Veterinary Medicine and its School of Industrial and Labor Relations, will receive about \$112.3 million for the year that began April 1. The funds, a little less than half the amount needed to operate the units, represent a \$6.8 million increase above the 1988-89 budget but fall \$1.9 million short of Cornell's request, which included virtually no new academic programs.

The \$112.3 million allocation for the colleges will support existing program levels and associated annual cost increases, less \$630,000 that has been withheld by SUNY to meet remaining reductions in SUNY's overall budget and to fund some high-priority initiatives for the SUNY system.

Between now and March 31, the university must compensate for a \$500,000 shortfall to pay projected utility costs at state-supported facilities and must adjust to the

permanent base-budget reduction of \$700,000 that resulted in the elimination of 43 positions in 1988-89.

Some Cornell bright spots in the final state budget were additions of \$610,000 for library automation, equipment and new-building openings; \$300,000 for a labor-studies program in the School of Industrial and Labor Relations; and the approval, among other state agency contracts, of nearly \$5 million in Department of Agriculture and Markets contracts, under which Cornell provides research, extension education and services for the state.

The legislature's authorization for expanded extension programs came through the addition of a new section — 224B — of the County Law.

Cornell, as the state's land-grant institution, administers Cooperative Extension, which adapts Cornell research for dissemination to citizens around the state. Dissemination has traditionally come via agents — in broad fields such as agriculture, horticulture, home economics or 4-H — who operate in a single county and whose programs are jointly funded by federal, state and county governments.

The legislature's action endorsed a view of many at Cornell that the system of disseminating usable research is sound but that methods may need updating. In coming years, when Cornell actually seeks funds from Albany, it will propose new support for targeted areas of critical need — such as rural and urban youth at risk or ground-water contamination — where highly trained agents will serve as links between Cornell researchers and regions larger than the traditional single county.

These new area and state-wide program specialists, jointly funded by the state and consortia of county extension associations, will address pressing regional problems with a level of specialization that could not be financed under the existing Cooperative Extension system, Fawcett said.

— Sam Segal

Rural schools will be subject of conference

As many as 300 school board members and administrators from rural school districts and college and university faculty members from throughout New York State will meet in Batavia from July 23 to 26 to discuss "Excellence in Rural Schools — An Achievable Goal."

James R. Tallon Jr., majority leader of the New York State Assembly, will give the keynote address at the conference, which is being sponsored by Cornell's Rural Schools Program. Tallon's talk will begin at about 8 p.m. on July 23.

Tallon, who was first elected to the Assembly in 1974, is a member of the Temporary State Commission on the Distribution of State Aid to Local School Districts. He also is chairman of the Assembly Task Force to Strengthen New York's Workforce and is chairman of the Committee on Medicaid of the Health Policy Agenda for the American People, a national coalition of 172 organizations committed to improving the nation's health care system.

Tallon represents the 124th Assembly District, which includes Binghamton and eastern Broome County.

Other speeches and workshops at the conference will focus on school finance, dropout prevention, poverty in rural New York, migrant education and other topics.

Participants will include David L. Call, dean of the New York State College of Agriculture and Life Sciences; Louis Grumet, executive director of the New York State School Boards Association; Cornell Professors Richard E. Ripple, David H. Monk and Dalva E. Hedlund; Ithaca College Professor Janet Fitch; State Assemblyman Thomas F. Barraga; State Sen. Charles D. Cook and others.

— Mark Eyerly

Please recycle this paper . . .
along with other newsprint, computer print-outs, white and colored papers.

Ornithologists warn 7 species headed for 'endangered' list

Seven species of North American birds are experiencing noticeable population declines and may be candidates for the federal endangered species list, Cornell ornithologists say.

The species in decline are the spotted owl, vermilion flycatcher, Henslow's sparrow, seaside sparrow, loggerhead shrike, snowy plover and Harris' hawk.

But two bird species, the white-faced ibis and the trumpeter swan, are showing "dramatic population increases," according to the Laboratory of Ornithology's analysis of 25 years of data.

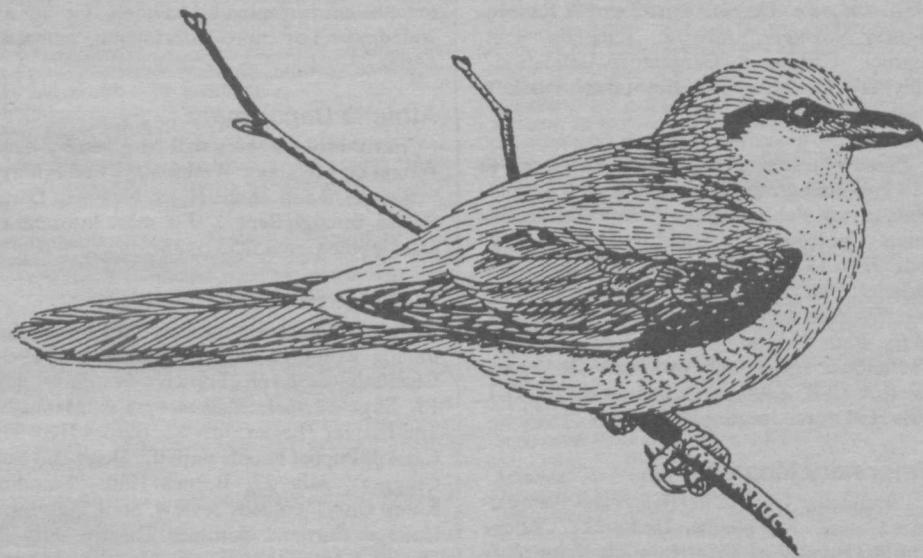
The study was conducted by the laboratory's Bird Population Studies Program for the United States Fish and Wildlife Service (USFWS). Their findings and recommendations were reported in the July 1989 issue of *Birdscope*, the research newsletter of the Cornell Laboratory of Ornithology.

"Of all the species in our study, the spotted owl and the Henslow's sparrow may be in the most danger of extinction," said Gregory Butcher, director of Bird Population Studies. "They should be top candidates for research and conservation programs."

Bird population experts at Cornell performed the analysis for the USFWS Office of Migratory Bird Management, which maintains a 30-species list of birds that are not on the federal endangered species list but perhaps should be.

The laboratory analyzed 25 years of Audubon Society Christmas Bird Count data for 20 of those species that spend their winters in North America. (The other 10 species spend their winters south of the United States.)

Christmas Bird Counts, which have been conducted in North America since 1900, send more than 40,000 bird counters into 1,500 different 177-square-mile sections one day each year. Results of these counts can be used to determine the population status of about 360 species of birds that are present in early winter. Listing on the fed-



Laboratory of Ornithology

Similar in appearance to the northern shrike, the loggerhead shrike may be a victim of pesticide exposure.

eral endangered species list confers special protection on the animals.

The Cornell population experts reported these population changes to the U.S. Fish and Wildlife Service:

- The vermilion flycatcher (declining by 4 percent annually) lives along rivers, streams, lakes and ponds in the Southwest. These habitats are disappearing rapidly under pressure from agriculture and human settlements.

- Seaside sparrows (declining by almost 2 percent annually) inhabit coastal salt marshes, which are vanishing as the number of condominiums and vacation homes grows. The cape sable race of the seaside sparrow is currently listed as endangered, and the dusky race is already extinct.

- The loggerhead shrike (declining by 1.5 percent annually) is the most widespread of the seven troubled species and seems to be declining throughout its range. The reason is uncertain, although declines

of its preferred habitats (hedge rows, thorn trees and pastures) and exposure to pesticides have been implicated as possible causes.

- Snowy plover (declining by almost 1.5 percent annually) winter on sandy beaches. Part of the population also nests on beaches where birds compete for space with dune buggies and sunbathers. The snowy plover's close relative, the piping plover, lives in similar a habitat and is already on the endangered species list.

- Harris' hawk (declining by 1 percent annually) is found only in the Southwestern United States (Texas, New Mexico and Arizona), primarily in mesquite scrub lands. As more intensive agriculture spreads through the Southwest, more and more of the birds' required habitat is cleared for crops and pastures.

- The spotted owl and Henslow's sparrow, because of their already limited distribution and population size, occur so infre-

quently on Christmas Bird Counts that data on these species should be interpreted with caution. Nevertheless, Christmas Bird Count information suggests important declines for the spotted owl (12 percent annually) during the past nine years and for the Henslow's sparrow (2 percent annually) during the past 25 years.

- The inland population of the white-faced ibis has only a few breeding sites (primarily in the Great Basin and Rocky Mountains), and all these sites are subject to fluctuating water conditions. Throughout the, however, this species has increased by over 13 percent annually since 1962.

- USFWS included the trumpeter swan on its list due to concern over a population living year-round in Idaho, Montana and Wyoming. This population suffered a severe setback last winter due to extreme cold and low water levels. However, this population represents only 5 percent of the total U.S. population, which over the past 25 years has increased at an annual rate of 16.6 percent.

Butcher, the Cornell ornithologist, credited "intensive management" for helping the trumpeter swan population bounce back. He said there may be hope for reversing declines of the nearly endangered species if habitats where they thrive are purchased or protected.

The Laboratory of Ornithology plans extended studies to identify additional species that also are suffering population declines and to identify characteristics that declining species have in common such as habitat preferences, foraging habits and geographic distributions, Butcher said.

"By identifying these characteristics, we should be able to take actions to benefit a number of species simultaneously," he added. "Working to save habitats that harbor entire groups of species will become increasingly important as human impacts on birds continue to accumulate."

— Roger Segelken

Parking, traffic rules to be altered Aug. 2 to 6

The convergence of 7,000 Empire State Games participants and spectators on campus Aug. 2 through 6 will cause changes in parking rules and traffic patterns, according to John S. Ostrom, university controller and chairman of the Cornell ESG Committee.

In a memo to deans, directors and department heads, Ostrom discussed the following subjects:

- **Parking:** The parking garage, Kite Hill and the Lynah-Teagle lots will be used for paid parking for the opening ceremonies on Wednesday, Aug. 2. Employees should move their vehicles out of these parking sites by 5 p.m. that day.

On Thursday, Aug. 3, and Friday, Aug. 4, the parking garage and all Kite Hill park-

ing lots will be reserved for Empire State Games officials and spectators and closed to people who normally use this facility. Holders of G and H permits will be able to park in any legal spot on campus regardless of its letter designation, and K permits will be valid in all O areas.

- **Traffic:** With as many as 60 events taking place simultaneously at various sites in the area, including the Cornell and Ithaca College campuses, there should not be traffic congestion at Cornell except during the opening ceremonies on the night of Aug. 2.

Traffic disruption will extend beyond our campus on Thursday and Friday, Aug. 3 and 4, when a caravan of buses transports athletes from Ithaca College to Cornell be-

tween 5:30 and 6:30 p.m. and returns them to South Hill between 9:30 and 10:30 p.m. To accommodate the bus traffic, Garden Avenue will be closed between East Avenue and the stadium.

Motorists might want to avoid the routes the buses will take during those two hours. They will travel to Cornell from Ithaca College along Coddington Road, Hudson Street, Columbia Street, Giles Street, Cornell Street, Dryden Road and Campus Road. The return trip to Ithaca College will be made along Campus Road, Stewart Avenue, State Street and Aurora Street.

- **Tickets:** A number of non-profit organizations are selling tickets to the games. The cost is \$3 for one day's admission or



\$10 for all events, including the opening ceremonies. There is no admission charge for children under the age of 12 who are accompanied by an adult.

- **Volunteers:** Cornell employees who volunteer to work at the Empire State Games during normal working hours will be granted leave with pay for those hours. Release time will be granted at the discretion of supervisors.

—Martin B. Stiles

Suds-saving idea wins \$100 prize in national contest

The Department of Athletics and Physical Education's system for controlling excessive use of soap has won a \$100 prize in the 14th annual Cost Reduction Incentive Awards Program sponsored by the National Association of College and University Business Officers (NACUBO) and the United

States Steel Foundation.

The soap saving system introduced by Roxana Bahar, associate director of athletics, is based on a "soap users card" for 10 free bars a year for those who use the showers. The annual savings to the department is about \$9,000.

Plaza *continued from page 1*

activities. Willard Straight Hall and the Campus Store each log in more than 10,000 visitors a day.

Drivers who have been parking along the east side of Central Avenue are expected to shift to nearby short-term lots behind Willard Straight Hall and on West Avenue.

"This project is part of an overall plan for campus beautification that includes improving pedestrian ways and giving members of the Cornell community and visitors better views of campus buildings and scenery," said Lewis S. Roscoe, director of campus planning.

Those goals will be met in the Central

Avenue project by enhancing views of the valley to the south, west and north, toward McGraw Tower, and to the Willard Straight Rock Garden and Wee Stinky Creek Glen.

"We want to restore some of the splendor that marked this block of Central Avenue in years past," Roscoe said. Large elm trees that lined the street were taken down as they died from Dutch elm disease in the late 1960s and early 1970s, Roscoe explained. In 1981, Central Avenue was ended near the entrance to Willard Straight when construction began on the underground addition to Uris Library.

—Martin B. Stiles

Parking *continued from page 1*

pus meetings and his recent discussions with the Committee on Transportation Services and the University Assembly:

- As of Sept. 1, central-campus fees will rise to \$244 a year; fees for perimeter-zone lots will drop from \$151 to \$150 a year.

- As of Sept. 1, student parking fees will be unified at \$150 a year, "addressing both the hodgepodge of fees and the fact that current student fees are based on a nine-month year, while the parking facilities must be maintained over 12 months."

- A new, free park-and-ride lot with more than 500 spaces is expected to be built this fall in the East Hill Plaza area, off Judd Falls Road and Maple Avenue north of the main shopping center area.

Gurowitz said some questions remained subject to further discussion and that the results of those discussions would be reported to the community in the fall. Still to be determined, for instance, are a long-range plan for annual parking-fee increases and an equitable solution to the fact that two-thirds of B Lot users enjoy free parking next to their offices — a unique campus privilege.

"Since at least some of the [system's] costs must be borne by users, an important longer-term goal remains the more equitable distribution of those costs," Gurowitz said.

He said plans remained in effect to add card-activated gates at the north end of central-campus lots and to step up enforcement and increase fines for parking violations.

He also reiterated that parking, while of wide concern, has to be approached in a broad planning context that includes regard for the campus environment and the environments of nearby communities.

"What I wrote to you in November still holds," his letter said, adding: "Over the next few years, we must add more parking; enhance transit; improve traffic circulation; increase short-term parking options, park-and-ride programs, ride-sharing; enforce the rules; and relieve traffic congestion in neighboring communities."

"As we seek to implement these long-term goals, and to improve the traffic and parking system in the relatively short term, I hope you will continue to give me your thoughts," he concluded.

CALENDAR

continued from page 5

Orthodox Shabbat Services: Fridays, 9:15 a.m., Saturdays, 9:15 a.m., Edwards Room, Anabel Taylor Hall.

Korean Church

Sundays, 1 p.m. Anabel Taylor Chapel.

Muslim

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

Protestant

Protestant Cooperative Ministry: Bible Study will begin 10 a.m., G-7, Anabel Taylor Hall. Worship on Sundays, 11 a.m., Anabel Taylor Chapel.

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

Zen Buddhism

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

sity of Jerusalem, July 20, 12:15 p.m., 153 Uris Hall.

Summer Session

"A Revolutionary Discourse, 500 Years Before the Fall of the Bastille," a Great Books Seminar, led by William Kennedy, comparative literature, will be held throughout the six-week summer session, Tuesdays at 11:45 a.m. in the Whitaker Room A409, Corson/Mudd Hall: "More's 'Utopia,' Part Two: A Revolutionary Nowhere," July 18; "Rabelais' 'Pantagruel,' Chapter 8: Gargantuan Education," July 25; Milton's 'Paradise Lost,' Book 1, "Satanic Rebellion," Aug. 1.

Sandwich seminars will be given at noon in 213 Ives Hall on the following days: "Revolutions in Art: Public Spaces, State Funding, Political Controversy," Timothy Murray, English, July 13; "Environmental Problems and Policies," David Pimentel, entomology, July 20; "Women and the American Revolution," Mary Beth Norton, history, July 27; "New Techniques and Trends in Sports Medicine," Dr. Russell R. Zelko, orthopedic surgeon, G-1, Uris Hall, (note location), August 3.

Veterinary Medicine

"Follicular Growth in Heifers and Post-partum Cows," Jim Roche, University College Dublin, Faculty of Veterinary Medicine, July 19, 4:30 p.m., G-3 Vet Research Tower.

Johnson Museum

"Color Yourself a Carp," a free program of Japanese carp streamer-making, on the Ithaca Commons on Thursday, Friday and Saturday, July 13, 14 and 15 from noon to 3 p.m. and on Saturday, July 22, from noon to 4 p.m. In Japanese tradition, a koinobori is flown on Boy's Day, May 5, for each son in a Japanese family, with the carp symbolizing strength, courage and success. Children under eight must be accompanied by an adult. Groups are welcome. For more information, call 255-6464.

Athletic Department

Early-bird aerobics will be given by Anne Wrona on Mondays, Wednesdays and Fridays, 6:30 to 7:30 a.m. in the Helen Newman Dance Studio, through Sept. 1. For more information call Debbie Gatch, 255-5133.

Summer Session

Art performances will be held on the following evenings at 8:15 p.m.: Les Petits Chanteurs de Lyon, French boys choir, July 14, Sage Chapel; Shakespeare's 'Macbeth', The Hanger Theater, July 21, Barnes Hall; The Catskill Puppet People with the Heart and Sole Cloggers, July 27, Barnes Hall; "Standing Room Only," comedy review, State University College Cortland Summer Theatre, July 28 and 29, Barnes Hall; The Second Hand Dance Company, Aug. 4, Bailey Hall.

Supercomputer Tours

Tours of the National Supercomputer Facility will be given on July 13, noon and 12:30 p.m.; July 18, 2 p.m.; July 19, noon and 12:30 p.m.; July 20, noon and 12:30 p.m.; July 25, 2 p.m.; July 26, noon and 12:30 p.m.; July 27, noon and 12:30 p.m.; August 2, noon and 12:30; and August 3, noon and 12:30 p.m. Sign up with Donna Smith at 255-9862, Computing and Communications Center.

Architectural Tours

Walking tours of the architecture of Cornell, beginning at 6:30 p.m. at the statue of Ezra Cornell, near Morrill Hall on the Arts Quad, will be given on the following days: July 17, July 24 and July 31.

Theatre Arts Tours

Tours of the new Center for Theatre Arts will be given on Aug. 2 and 3 at 2 p.m. Meet in the lobby near the gorge entrance.

Garden Tours

Tours of the Robison York State Herb Garden, led by Raylene Gardner, Cornell Plantations education coordinator, July 14 and July 31 at noon. Call 255-3020 for directions.

A tour of the Bailey Hortorium Conservatory by the hortorium staff will be given on July 17 at noon. Meet at the rear of Miss Minn's Garden on Tower Road.

Library Tours

Tours of Uris Library to those interested will be given at 4 p.m. on July 17, July 24 and July 31. The tours present the history and architecture of the library. All tours begin in the main lobby of the library.

Christian Science Monitor

The Christian Science Monitor resource files will be available in the Willard Straight Lobby today from 10 a.m. to 4 p.m. The files contain up-to-the-minute newspaper articles on more than 150 topics useful for writing papers, preparing speeches, teaching, studying for exams, etc.

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.

Macintosh Users' Group

MUGWUMP, the Macintosh Users' Group for Writers and Users of Mac Programs, meet 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.

Alcoholics Anonymous

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

SEMINARS

Biochemistry, Molecular & Cell Biology

"Developmental and Heat-Induced Transcription of the Drosophila Hsp26 Gene," Robert L. Glaser, Section of Biochemistry, Molecular & Cell Biology, July 17, 12:20 p.m., Ground Floor Seminar Room, Biotechnology Building.

Peace Studies Program

"The Intifada in the West Bank: What Next?" Gabriel Sheffer, The Hebrew Univer-

MISC.

Center for Radiophysics & Space Research

"Manned Landings on the Moon: Significance for Exploration of the Solar System," a lecture/discussion will be given by Peter Thomas, planetary geologist, in celebration of the 20th anniversary of Apollo 11, July 19, 7:30 p.m., 105 Space Sciences Building. An open house, including a tour, films and Image Processing demonstrations, will follow in the Spacecraft Planetary Imaging Facility, 317 Space Sciences Building.

CORNELL EMPLOYMENT NEWS

July 13, 1989 Summer Edition Volume 1, Number 27

JOB OPPORTUNITIES

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

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

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

Professional

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

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

Applications Programmer/Analyst I (PT7603) Level 32 Law-Endowed

Maintain and modify existing applications programs for database management on a Novell network. Provide training and consulting on hardware and software issues for faculty, staff and students.

Requirements: Bachelor's in computer-related field or equivalent. 1-2 years related experience. Knowledge of local area networks preferred. Proven computer programming experience in database applications required. Experience in dataflex DBMS language strongly preferred. Excellent interpersonal skills required. Send cover letter and resume to Bill Webster.

Senior Systems Programmer/Analyst (PA7504) Lvl 35 Theory Center/CNSF-Endowed

Provide technical leadership in the design, implementation, documentation and maintenance of highly specialized and complex large scale applications software, operating systems software, and hardware required for the CNSF; provide direct support to the Manager of Large Applications Supports (LSAS).

Requirements: Bachelor's or equivalent required, Master's preferred. 3-5 years programming; high level languages (FORTRAN, C, REXX, Assembler, Pascal, APL); VM/CMS experience and familiarity with other operating systems; ability to understand advanced computational algorithms; extensive technical expertise. UNIX skills and experience highly desirable. Send cover letter and resume to Cynthia Smithbower.

Senior Systems Programmer/Analyst (PT4010) Lvl 35 Computer Services-Endowed

Design, develop and program software systems related to computer-based communications. Prepare documentation, train and assist users; process database changes.

Requirements: Bachelor's or equivalent; 3-5 years programming experience; extensive knowledge of VM/CMS (especially X edit) and IBM assembly language. Knowledge of Pascal and C languages, with TCP/IP network concepts and protocols desirable. Excellent interpersonal and communication (written/verbal) skills. Send cover letter and resume to Bill Webster.

Systems Programmer/Analyst III (PA7503) Level 34 Theory Center-Endowed

Plan, install and maintain packages required for the CNSF. Work closely with CNSF staff and interact with software support and systems staff of CIT. Duties will center on support for large scale scientific computing environment (VS FORTRAN, Parallel FORTRAN, and FORTRAN scientific subroutine libraries) at CNSF, and for users.

Requirements: Bachelor's or equivalent combination of education and experience. 3-5 years programming experience; strong technical skills; experience utilizing high level languages (FORTRAN, C, REXX, Assembler); demonstrated ability to work in scientific or large scale environment; experience with VM/CMS, UNIX skills and experience highly desirable. Send cover letter and resume to Cynthia Smithbower.

Systems Programmer/Analyst III (PA7505) Level 34 Theory Center/CNSF-endowed

Plan, install and maintain packages required for the CNSF. Work closely with CNSF staff and interact with software

support and systems staff of CIT. Duties will center on support for large scale scientific computing environment (VS FORTRAN, Parallel FORTRAN, and FORTRAN scientific subroutine libraries) at CNSF, and for users.

Requirements: Bachelor's or equivalent combination of education and experience. 3-5 years programming experience; strong technical skills; experience utilizing high level languages; demonstrated ability to work in scientific or large scale environment; VM/CMS, and FORTRAN experience highly desirable; REXX and IBM Assembler skills useful; UNIX skills and experience desirable. Send cover letter and resume to Cynthia Smithbower.

Research Support Specialist III (PT7601) HRII Agronomy-Statutory

Develop a Northeast regional soil database in support of a CSRS project to map groundwater contamination potential. Duties include: collect data (20%), develop database (30%), derive interpretive functions (25%), develop linkages (25%). Until September 17, 1990.

Requirements: Master's or equivalent in soil science with training in computer science and database management. Minimum 3 years related experience. Familiarity with UNIX and DOS operating systems, RBASE and PRELUDE database management software is desired. Send cover letter and resume to Bill Webster.

Research Support Specialist III (PT7602) HRII Agronomy-Statutory

Assist the Cornell University Agricultural Experiment Station Soil Survey Leader in conducting the soil survey program, including field operations, laboratory operations, research studies, and extension activities as part of the National Cooperative Soil Survey. Until January 14, 1993.

Requirements: Master's or equivalent in soil science with field soil survey experience and strong background in basic sciences, geology, and mineralogy. Minimum 3 years laboratory experience is required. Familiarity with personal computers, database management software, and geographic information systems is desired. Send cover letter and resume to Bill Webster.

Health Associate III (PA7605) HRII

Using Health Association-Physician approved guidelines, provide primary health care to university students, faculty and staff members. Emphasis is placed on continuity of care, health education, health maintenance and preventative care.

Requirements: NYS RN/PA license and graduate of an accredited NP/PA program required. 3-5 years experience and professional certification preferred. Send cover letter and resume to Cynthia Smithbower by July 28.

Assistant Director/Business Manager (PA7603) HRII Dining Services-Endowed

Administer all financial aspects of a university enterprise service departments with a budget of \$19M.

Requirements: MBA or CPA or equivalent. 3-5 years related experience in fiscal/management/administration, or equivalent. Send cover letter and resume to Cynthia Smithbower by July 28.

Associate Director of School Relations (PA7609) HRII ILR-Statutory

Create an environment, through an extensive series of strategically planned movers, with alumni, friends, corporations, foundations and agencies which will maximize private/public financial support for the School. Involves direct/indirect fund-raising efforts. Serve as principal liaison between the School and University's public affairs division. Some travel is necessary.

Requirements: Bachelor's or equivalent. 3-5 years experience in development or related field. Cornell University experience preferred. Excellent communication, interpersonal and organizational skills required. Send cover letter and resume to Search Committee: Assoc. Dir. School Relations by August 18.

Coordinator of Assignments and Summer Housing (PA7501) HRII

Residence Life-Endowed

Manage the overall functions of the Assignment and Summer Housing Office. Responsible for application and assignment process for 7,000 students and 19,000 summer guests. Act as Department's primary public information source.

Requirement: Bachelor's or equivalent essential, Master's preferred. 3-5 years full-time management experience. Experience in student housing administration desirable. Experience in descriptive writing/editing. Computer experience desirable. Send cover letter and resume to Cynthia Smithbower.

Programmer Management Information Specialist (PT7501) Level 33

Institutional Planning and Research-Endowed

Provide programming support for developing and maintaining a distributed management information system. This system will be designed to provide information support for both the college and central administrative planning and decision making processes. Specific responsibilities include building data retrieval, manipulation, and reporting tools; and developing data extracts and reports in response to routine and ad hoc information requests.

Requirements: Bachelor's or equivalent in a related field. 2-3 years work experience (both mainframe and micro-computer environments) preferred. Excellent interpersonal skills required for heavy user contact. Send cover letter and resume to Bill Webster by August 1.

Applications Programmer II (PT7504) Level 33 Law-Endowed

Develop, modify and maintain a related family of applications programs for database management on a novell network. Manage the operations of the PC based network at the Law School. Provide training and consulting on hardware and software issues and applications to faculty, staff and students.

Requirements: Bachelor's in computer-related field or equivalent. 2-3 years related experience. Knowledge of personal computers and local area networks. Proven computer programming experiences in database applications required. Experience in dataflex DBMS language and at least one other DBMS language strongly preferred. Excellent interpersonal and analytical skills. Send cover letter and resume to Bill Webster.

Systems Analyst I (PT7518) Level 32 CISER-Endowed

Support and consult with staff in the operation of CISER's Survey Research Facility and provide support of SPSSx, SPSS-PC and SPSS-DE to CISER members and their affiliates.

Requirements: Bachelor's or equivalent in Social Science preferred. 1-2 years related experience in survey research. Knowledge of DBASE III, SPSSx, SPSS-PC, SPSS-DE. Good interpersonal and communication skills. Send cover letter and resume to Bill Webster.

Administrative Supervisor II (PA7601) HRII Veterinary Anatomy-Statutory

Under general supervision, perform, supervise, direct and/or advise on work related to the personnel, business and facilities aspects of a small department. Related activities may involve program/project management, contract/grant administration, funds management, staff supervision, management analysis, and information/data systems management. Some clerical work involved.

Requirements: Bachelor's or equivalent preferred. 2 years relevant administrative supervisory experience, knowledge of management principle methods. Knowledge of finance/accounting/budgeting. Familiarity with computer systems helpful. Good communication and human relations skills. Send cover letter and resume to Cynthia Smithbower by July 28.

Technical Writer II (PC6215) HRII Information Technologies-Endowed

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

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

Assistant Coordinator of Admissions (PA7607) HRII Office of Academic Programs, CALS-Statutory

Perform all admissions activities, including recruitment, evaluation of applications, interviewing and advising prospective students, and making admissions decisions. Develop recruitment publications. Work with college alumni identifying candidates for admissions. Four to six weeks travel each year.

Requirements: Bachelor's or equivalent required. Master's preferred. Background at least 1-2 years related experience in admissions, alumni affairs, or counseling preferred. Strong interpersonal and organizational skills. Must be creative, able to make independent decisions, organize events and projects, and make public presentations. Experience writing and preparing publications desired. Cover letter and resume to Cynthia Smithbower by July 25.

Terrace Restaurant Manager (PA7608) HRII Statler Hotel-Endowed

Plan, coordinate, schedule, and manage the food production and service in the Terrace Restaurant.

Requirements: Associate's in Restaurant Management or equivalent work experience. 1 year related experience desired. Proven supervisory skills, good financial management and planning skills. Send cover letter and resume to Cynthia Smithbower by July 28.

Publications/Graphic Designer (PA7606) HRII Media Services-Statutory

Conceive, design, and execute publications and other graphic design materials. Responsibilities include layout, type spec'ing, mechanical preparation, and some art direction.

Requirements: Bachelor's of Fine Art in design or equivalent professional experience. 2-3 years related experience. Knowledge of typography, photography, printing, and production processes essential. Must be able to use Macintosh II design system with Aldus Pagemaker, Adobe Illustrator, and WriteNow software packages. Send cover letter, resume and no more than 20 35mm slides of representative work, by July 28 to Linda Haylor Mikula, Media Services, 1160 Comstock Hall.

Assistant Director (PA7602) HRII Arts and Sciences Admissions-Endowed

Will be involved in the full range of admissions duties: interviewing prospective applicants, recruitment and travel, group presentation, selection, some student advising, etc.

Requirements: Bachelor's or equivalent in the liberal arts; advanced degree preferred. Minimum of 3 years admissions experience, college counseling, teaching or academic advising. Knowledge of admissions marketing and electronic admissions system. Excellent interpersonal, communication and organizational skills; ability to work with students and faculty; and commitment to the philosophy of a liberal arts education. Fluency in Spanish preferred but not required. Send cover letter and resume to Cynthia Smithbower by July 26.

Research Support Specialist II (PT5904) HRII Poultry and Avian Sciences-Statutory

Coordinate the functions of a biochemical lab including the development and conduct of analytical work on specimens generated from several large ongoing studies. Supervise computer use of research and bibliographic data archiving and retrieval. Occasional evenings and/or weekends. Until 4/30/90.

Requirements: Master's level or equivalent training/experience or Bachelor's in biological science. 3 years training/experience in analytical chemistry and data management. Send cover letter and resume to Bill Webster.

Research Support Specialist I (PT7509) HRII Design & Environmental Analysis-Statutory

Assist on a research survey investigating the association between environmental tobacco smoke, indoor air quality, and work-related health problems in offices. Interview senior personnel; coordinate environmental monitoring of indoor air quality; conduct questionnaire surveys of office workers; coordinate data coding and entry; conduct statistical analyses; and assist in report writing & research presentations.

Requirements: Bachelor's or equivalent in Behavioral/Social Sciences. 2-3 years computing experience with IBM mainframe systems; knowledge of IBM/CMS & SPSSX. Strong background in survey research, including experience with questionnaire construction and administration, data coding & entry, statistical analysis of survey data and interpretation & report writing. IBM & Macintosh system experience and knowledge of networking preferred. NYS driver's license and heavy travel required. Send cover letter and resume to Bill Webster.

Research Support Aide (PT7516) HRII CISER-Statutory

Provide support in form of direct consultation with faculty and grad students in quantitative social/economic research. Assist in use of CISER data archive collection of machine-readable data files/print data resources on campus. Answer questions supplying data from public collection on a cost-recovery basis.

Requirements: Bachelor's or equivalent required. 1-2 years experience within a data archive or academic reference staff; some knowledge of automated systems or ability to work with automated systems. Must be able to work within a team and communicate effectively. Familiarity with machine-readable data files, knowledge of federal statistical programs, federal documents, social science research methods, grad work in library or information

Attention: Empire Plan Enrollees

Empire Plan enrollees who participate in the New York State Prescription Drug Program and who paid for prescription drugs at a participating pharmacy because they did not receive their new Employee Benefit Card on time at the beginning of 1989, can now receive the equivalent of the full payment minus the appropriate copayment for those prescription bills.

Prescriptions purchased at participating pharmacies between January 1, 1989 and February 28, 1989, qualify for this special reimbursement. The cut-off date for filing is September 30, 1989.

For further details, please contact Nancy Zinzola, 5-7995.

science, and computing skills-micro and mainframe desired. Send cover letter and resume to Bill Webster.

Research Support Specialist I (PT7519) HRI Clinical Sciences-Statutory

Provide laboratory support of the woodchuck hepatitis project, research on liver and kidney diseases conducted by the Small Animal Clinic, and lab testing done by the Diagnostic Laboratory. Create, maintain and analyze computer records of test results using statistical software. **Requirements:** Bachelor's or equivalent in chemistry or biology required. Master's desired. 1-2 years independent laboratory experience necessary, including maintenance of data files and analysis of data. Ability to meet deadlines. Computer experience essential. Ability to restrain small animals and obtain blood samples. Send cover letter and resume to Bill Webster.

Assistant Director for Business Services (PA7507) HRI Unions & Activities/Noyes Center-Endowed

Responsible for building and retail area management, personnel supervision, budget, purchasing, marketing and promotion of assigned areas. Also responsible for serving as the liaison with consignment agents and vendors wishing to sell goods in Noyes Center.

Requirements: Bachelor's or equivalent. 2-3 years of previous experience preferably in a college/university union or equivalent experience in a related field including 1 year full-time retail/service supervisory experience. Must have experience in supervising students and non-student employees. Some evenings and weekends hours needed. Send cover letter & resume to Cynthia Smithbower by 7/21.

Assistant Director (PA7506) HRI State Programs Office-Endowed

Under general supervision, assist in providing programmatic accountability to the university and state programs office for HEOP and EOP (Higher Education Opportunity Program, Equal Opportunity Program). Aid in the development of new proposals and in communication to university officials of new programs, program guidelines and changes that affect the management and/or continuation of programs. Field recruiting of students in coordination with university and college recruiting officer.

Requirements: Master's or equivalent (e.g., student personnel administration, higher education administration, social service or related field). Some experience in student personnel services and/or counseling or closely related field necessary. Send cover letter and resume to Cynthia Smithbower by 7/21.

Dining Supervisor I (PA7502) HRI Dining-Endowed

Supervise daily operation 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.

Administrative Supervisor I (PG7402) HRI Statler Hotel-Endowed

Assist the Executive Housekeeper in the management of custodial tasks in the Hotel School. Hours include nights and weekends.

Requirements: Associate's or equivalent in facility management Bachelor's preferred. Minimum 5 years custodial experience. Proven ability as a manager. Excellent communication (oral and written) skills. Send cover letter and resume to Esther Smith.

Dining Room Coordinator (PG7403) HRI Statler Hotel-Endowed

Schedule, coordinate, and manage the dining room staff to insure that proper etiquette and service is given in the fine dining room of the hotel so as to provide maximum guest satisfaction. Some nights and weekends.

Requirements: Bachelor's or equivalent in hotel administration preferred. Minimum 2-3 years experience in similar position required. Proven supervisory skills. Familiarity with all types of service. Excellent financial management and planning skills. Send cover letter and resume to Esther Smith.

Assistant Director of Student Activities (PA7404) HRI Unions and Activities-Campus Activities Center(CAC)-Endowed

Student Activities generalist. Advise student organizations. Responsible for student activities, funding, major programs, and popular concerts. Conduct training and development for student organizations. Administer and publish policies related to activities on campus.

Requirements: Bachelor's or equivalent. 2 years experience in student development and programming. Send cover letter & resume to Cynthia Smithbower by August 1.

Accounts Manager (PC7305) HRI

Patents and Technology Marketing-Endowed

Provide financial support for the Department of Patents and Technology Marketing and Cornell Research Foundation. Involves budget forecasting and preparation of financial reports; responsible for approval of expenditures and distribution of royalty income; work closely with Director on financial matters; manage several DBase systems.

Requirements: Bachelor's in accounting or equivalent. Minimum 1-3 years accounting and business experience and knowledge of Cornell community. Knowledge of IBM PC's or compatible; Lotus 123 and/or Twin spreadsheet; DBase experience required. Strong organizational and communication (verbal and written) skills. Send cover letter and resume to Esther Smith.

Teaching Support Specialist (PT7208) HRI Plant Breeding and Biometry-Statutory

Provide teaching and research support for instruction of various statistics courses. Provide statistical consulting and computing in Biometrics unit.

Requirements: Bachelor's or equivalent required, Master's in statistics preferred. Coursework in computer science desired. Some teaching and research experience necessary. Send cover letter and resume to Bill Webster.

Construction Manager (PA7101) HRI Statutory Office for Capital Facilities-Statutory

Responsible for the management of construction and renovation projects in the Statutory Colleges. Typical duties include project scheduling, insuring conformance with plans and specifications, coordinating user input, and assisting in the resolution of project related problems.

Requirements: Bachelor's or equivalent. 2-3 years experience in construction and/or maintenance and management. Excellent verbal, written and financial management skills. Familiarity with Cornell and Statutory Facilities essential. An understanding of the current methods of providing maintenance services to the Statutory Facilities

is a plus. Send cover letter and resume to Cynthia Smithbower by July 21.

Budget Analyst I (PC6904) HRI

Administrative Operations-University Library-Endowed

Provide analytical and technical support to the budgeting, planning, and fiscal operating processes under the administrative direction of the accounting manager. Total operating expenditures for University Library system are approximately \$20 million annually.

Requirements: Bachelor's or equivalent (Associate's and 4-5 years accounting or related experience). 1-2 years related experience preferred. Strong analytical skills required. Cost analysis experience preferred. Experience with IBM/PC and applications (Lotus 1-2-3, dBase III+, and word processing) preferred. High degree of accuracy with attention to detail. Strong organizational, communication (verbal and written), and interpersonal skills. Familiarity with Cornell accounting and budget systems and procedures helpful. Send cover letter, resume and salary requirements to Esther Smith.

Research Support Aide (PC6516) HRI Chemistry-Endowed

Coordinate and monitor progress of manuscripts through editorial process for internationally-known technical journal; prepare annual author search survey for journal; submit production and financial reports to American Chemical Society.

Requirements: Bachelor's or equivalent in chemistry; Master's or 2 years related experience desirable. Familiarity with modern chemistry and science library; editorial experience helpful. Familiarity with scientific computing and word processing. Send cover letter and resume to Esther Smith.

Professional Part-time

Systems Programmer/Analyst II (PT7411) Level 33 Modern Languages and Linguistics-Endowed

Under general supervision, support speech synthesis and analysis in the DMLL Phonetics Laboratory. General responsibility for maintaining software on several computer systems including SUN 160c Workstation (UNIX), IBM-PC/AT (DOS), PDP 11/73 & 40, and MAC II. 20 hours per week.

Requirements: Bachelor's or equivalent experience and training. 2-3 years related experience. Knowledge of UNIX and C required. Ability to develop systems software (such as device drivers); help developers of applications software with system-specific problems; port existing software to new computers; interface existing software with specific hardware (such as A/D converters); develop and maintain networks; enhance existing software with new features (including graphic display of data); do applications program development; and write documentation. Knowledge of and interest in signal processing useful, but not essential. Send cover letter and resume to Bill Webster.

Applications Programmer II (PT7308) Level 33/HRI Section of Ecology and Systematics-Statutory

Responsible for design, coding and maintenance of applications for natural history database system. Flexible schedule, 20-30 hours per week for grant duration.

Requirements: Bachelor's or equivalent with computer related courses or equivalent experience. Must have 2-3 years "C" programming experience with microcomputers. Prior experience with PC database software required. Knowledge of PC-based LANs helpful. Send cover letter and resume to Bill Webster.

Professional Temporary

Teaching Support Specialist I (PA7407) HRI

Education-Statutory

Assist with Ed. 115, Introductory College Mathematics. Duties include revising problem sets and class materials, assist in development of examinations and answer sheet, grading, working with teaching assistants, some office hours for individual assistance of students. Part-time.

Requirements: Master's or equivalent in mathematics or mathematics education. Teaching experience in secondary school, junior or senior college and experience with Macintosh preferred; proven effectiveness in working with students experiencing difficulty in mathematics. Send cover letter and resume to Cynthia Smithbower by July 20.

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.

Technician, GR18 (T7515)

Laboratory of Ornithology-Endowed

Minimum Biweekly Salary: \$513.94
Edit and incorporate field tape recordings of animal sounds into the collection of the Library of Natural Sounds. Prepare and enter into a computerized information storage and retrieval system; catalog data for recordings in the Library. Until 7/11/90, continuation contingent upon funding.

Requirements: High School diploma or equivalent required. Some college coursework in biology or related field desired. Previous in the operations of studio audio equipment preferred. Strong technical aptitude. Audio theory, ornithology, or electronics knowledge preferred. Good organizational skills required.

Animal Technician, GR18 (T7514)

Lab Animal Services-Statutory

Minimum Biweekly Salary: \$513.94
Provide daily care of animals (i.e. feed, water, exercise). Maintain cages, pens, and environment; maintain animal records; follow procedures for animal care. Perform effective sanitation of equipment and facilities.

Requirements: High School diploma or equivalent required. Associate's in Animal Science desired. 1 year animal experience desired. Assistant Animal Certificate helpful. Must be in good physical condition; able to lift 50 pounds. Pre-employment physical and all required immunizations required.

Technician, GR19 (T7605)

Psychology-Endowed

Minimum Biweekly Salary: \$535.78

Collect and analyze research data from children at elementary area schools and preschools. Perform library and paper work; prepare research reports. Until 1/31/90, funding expected until 1/31/93, continuation contingent upon funding.

Requirements: Associate's or equivalent required; Bachelor's or equivalent in Psychology preferred. Ability to communicate and interact comfortably with children. Math aptitude; familiarity with computers. Valid NYS driver's license required.

Technician, GR19 (T6903, T4113)

Veterinary Pathology-Statutory

Minimum Biweekly Salary: \$535.78

Provide technical support for flow cytometry lab research activities. Perform experiments relative to the effects of oncogenes and chromosomal aberrations on cell differentiation; carry out lab protocols relative to cell culture and analysis of proteins and nucleic acids (biochemistry/molecular biological techniques and flow cytometry).

Requirements: Associate's or equivalent required. Bachelor's in relevant biological or physical science preferred. Minimum 1 year related experience.

Technician, GR19 (T7306)

Pomology-Statutory

Minimum Biweekly Salary: \$535.78

Under direct supervision, conduct experiments in plant biochemistry, chemistry, and physiology. Use chromatographic and spectrophotometric equipment for chemical and biochemical analysis; compile data; perform some field treatments and sample collection. Yearly appointment contingent upon funding.

Requirements: Minimum 2 years coursework in chemistry/math required. Bachelor's degree or equivalent in biology or related field with coursework in chemistry or math, preferred. 1 year related experience. Ability to safely handle lab. chemicals and pesticides.

Technician, GR20 (T7607)

Plant Breeding and Biometry-Statutory

Minimum Biweekly Salary: \$558.78

Assist in the genetic mapping of RFLP markers in tomatoes. Extract DNA; run and blot gels; isolate and screen plasmid clones; radiolabel probes; manage computer data file and analyze genetic data on computer. Assist in overall maintenance of lab including preparing solutions, ordering supplies and monitoring safety. May involve some supervision of graduate students. Yearly continuation contingent upon funding.

Requirements: Bachelor's or equivalent in biology, genetics, biochemistry or related discipline. Minimum 1-2 years experience.

Technician, GR20 (T7307)

Agronomy-Statutory

Minimum Biweekly Salary: \$558.78

Provide support for research in biochemical analysis of specific mRNA's, activities of enzymes, and amounts of storage proteins in plant tissues. Duties include culturing bacteria containing cDNA plasmids, extracting and purifying DNA from bacteria and mRNA from plants and performing hybridization assays.

Requirements: Bachelor's or equivalent in biology, biochemistry or chemistry. 1 year related experience with basic laboratory equipment and ability to learn new techniques and procedures. Send cover letter and resume to Bill Webster.

Technician, GR20 (T7307)

Agronomy-Statutory

Minimum Biweekly Salary: \$558.78

Provide support for research in biochemical analysis of specific mRNA's, activities of enzymes, and amounts of storage proteins in plant tissues. Duties include culturing bacteria containing cDNA plasmids, extracting and purifying DNA from bacteria and mRNA from plants and performing hybridization assays.

Requirements: Bachelor's or equivalent in biology, biochemistry or chemistry. 1 year related experience with basic laboratory equipment and ability to learn new techniques and procedures. Send cover letter and resume to Bill Webster.

Animal Health Technician, GR20 (T7202)

Veterinary Medical Teaching Hospital-Statutory

Minimum Biweekly Salary: \$558.78

Provide support therapy for ICU patients and assist with emergency procedures. Teach intensive care and emergency protocol to students assigned to ICU duty. Some weekends and holidays. Rotating shift, 3 p.m.-11 p.m. and 11 p.m.-7 a.m.

Requirements: Associate's or equivalent in animal health technology and NYS licensure (or eligibility) required. Minimum 2 years related experience. Experience working with small animals, interest in teaching critical care techniques preferred.

Animal Health Technician, GR20 (T6705)

Veterinary Medical Teaching Hospital-Statutory

Minimum Biweekly Salary: \$558.78

Assist with emergency and surgical procedures. Responsible for medical treatments; manufacture, compound, dispense and administer prescriptions. Evenings and weekends.

Requirements: Associate's or equivalent in animal health technology required, NYS licensure (or eligibility) required. 2 years experience as A.H.T. and experience working with large animals preferred.

Technician, GR20 (T7102)

Biochemistry, Molecular and Cell Biology-Statutory

Minimum Biweekly Salary: \$558.78

Provide technical support for large research project on the expression of genes in plant cultures and in isolating and analyzing DNA and enzymes.

Requirements: Bachelor's or equivalent scientific area of study (biochemistry, genetics, etc.) required. 1-2 years experience in gene expression and cloning techniques and general laboratory techniques.

Technician, GR21 (T7511)

Diagnostic Laboratory-Statutory

Minimum Biweekly Salary: \$582.29

Perform microbiological and immunological tests on specimens as requested by clinicians to aid in the diagnosis of infections in animals and humans.

Requirements: Bachelor's or equivalent in clinical microbiology. ASCP or MLT license desirable. Basic lab skills with emphasis on clinical microbiology and some immunology. Minimum of 1 year experience in a clinical lab performing diagnostic procedures in bacteriology and immunology.

Technician, GR21 (T7406)

Vegetable Crops-Statutory

Minimum Biweekly Salary: \$582.29

Provide research support in muckland vegetable program. Conduct field, greenhouse and laboratory experiments, analyze data, maintain equipment, prepare reports, maintain lab and prepare library research reports. Travel required.

Requirements: Bachelor's or equivalent in biological or agricultural science required. NYS certification for commercial pesticide use essential. Minimum 2 years experience in field research. Able to operate farm equipment, use and handle pesticides safely and accurately, perform statistical analysis, greenhouse operations, and equipment repair.

Technician, GR21 (T7404)

Diagnostic Laboratory-Statutory

Minimum Biweekly Salary: \$582.29

Perform a variety of serological tests, including virus neutralization, complement fixation and agar gel immunodiffusion. Process clinical specimens and perform fluorescent antibody and viral isolation procedures and other lab procedures. Prepare media and other solutions.

Requirements: Bachelor's or equivalent in microbiology, biology or related field. 2 years work experience desired. Good sterile techniques, basic microbiology techniques required.

Technician, GR21 (T7406)

Diagnostic Laboratory-Statutory

Minimum Biweekly Salary: \$582.29

Perform microbiological and immunological tests on specimens and aid in diagnosis of infections in animals and humans. Monday-Friday (39 hours per week) with Saturday rotation.

Requirements: Bachelor's or equivalent in microbiology or related field. Med. Tech. or ASCP License preferred but not required. 2 years related experience.

Technician, GR22 (T7604)

Pharmacology-Statutory

Minimum Biweekly Salary: \$607.04

Carry out physiological, biochemical, and pharmacological studies on control of insulin release (study group: rats and mice). This includes the preparation of solutions, perfusion of tissue, enzyme assays, analysis of cell constituents, radioimmunoassay, calculation of data and the use of a variety of scientific equipment.

Requirements: Bachelor's or equivalent in biochemistry, biology, or neurobiology preferred. 2-3 years laboratory and related experience.

Communications Technician II, GR22 (T7606)

CIT-Network Services-Endowed

Minimum Biweekly Salary: \$607.04

Assemble, test and install Local Area Networks and computer networking equipment. Monday-Friday with occasional overtime during the second or third shift.

Requirements: Associate's in electronics or electromechanics with 2-3 years of relevant experience required. Good interpersonal, organizational and time management skills, as well as accuracy and attention to detail required. Some familiarity with data communications preferred.

Technician, GR22 (T7004)

Diagnostic Laboratory-Statutory

Minimum Biweekly Salary: \$607.04

Implement biochemical and serological procedures for the speciation of Mycoplasma isolated from clinical samples. Perform microbiological and immunological tests on specimens as requested by clinicians to aid in the diagnosis of infections in animals and humans. Monday-Friday, 8-5 with rotating Saturdays.

Requirements: Bachelor's or equivalent in clinical microbiology or medical technology. ASCP licensing preferred but not required. Minimum 2-3 years experience in veterinary clinical microbiology desirable. Supervisory experience a plus.

Technician, GR22 (T7508)

Food Science-Statutory

Minimum Biweekly Salary: \$607.04

Coordinate operations of sensory testing facility including taste panel scheduling, sample preparation, data collection, tabulation and analysis.

Requirements: Bachelor's or equivalent in Food Science, Psychology or related field. Minimum 2-3 years related experience. Knowledge of basic statistics and chemistry lab experience or coursework needed. Familiarity with Macintosh computers. Excellent interpersonal skills required.

Accelerator Operator, GR24 (T7507)

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 faults in accelerator operation and take remedial action; carry out projects of accelerator maintenance and development using shop and test facilities in performing these technician duties; and maintain and enforce applicable safety precautions and maintain the integrity of the accelerator interlock systems. The accelerator is staffed 24 hours a day all year round. Operators are required to alternate shift work including weekends and holidays.

Requirements: Associate's in electronics or equivalent training in in-service courses required. Bachelor's in Physics preferred. 2-3 years experience in a laboratory or shop is preferred.

Technician, GR26 (T7413)

Biotechnology Program-Endowed

Minimum Biweekly Salary: \$727.37

Under very general supervision, responsible for the scientific operation of the Peptide Synthesis Facility. Operate and maintain Peptide Synthesizer, develop synthesis and isolate strategies.

Requirements: Bachelor's or equivalent in chemistry/organic chemistry. Broad working knowledge of the specialized equipment used. At least 5 years of related laboratory experience with an emphasis on the synthesis of polypeptides of specific sequence. Strong interpersonal and organizational skills.

Technical Part-time

Animal Technician, GR18 (T7203, T7204)

Veterinary Microbiology-Statutory

Minimum full-time equivalent: \$513.94

Provide care (feed, water, clean and monitor) for small research animals (canines and rodents) following strict

protocols for sterile or disease control environments and regulations for animal welfare. Assist Vets in treating and vaccinating animals. 24 hours per week (weekend and holiday work required).

Requirements: High School diploma or equivalent. Some related coursework preferred. 1 year related experience. Knowledge of a variety of laboratory animals and animal breeding required.

Technical Temporary

Part-time Technician (T7608)

Vet Physiology

Assist in cloning genes from cattle, including DNA isolation, construction of genomic libraries, and southern hybridizations. Responsible for preparing media, keeping inventory of supplies, washing glassware and maintaining lab area. 20 hours per week with possibility of occasional weekends. 6-12 months.

Requirements: Background in biology or biochemistry and experience in recombinant DNA techniques.

Casual Technical Assistant (T7412)

CIT

Assist with maintaining local area networks; provide software and occasional hardware support for Macintosh and IBM personal computer systems. Other duties as assigned. Monday-Friday, 8 a.m.-12 noon.

Requirements: High School diploma or equivalent. Familiarity with the operation of Cornell mainframes, IBM PC's and Macintosh systems. Able to install application software on IBM and Macintosh personal computers. Send cover letter and resume to Bill Webster.

Office Professionals

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

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

Office Assistant, GR16 (C7611)

JGSM-Endowed

Minimum Biweekly Salary: \$477.46

Provide general clerical support to the Director and all members of the JGSM Computer Services Department. Process invoices and all other department vouchers; maintain files; handle mail; answer telephones; type correspondence. Other duties as assigned.

Requirements: High School diploma or equivalent. Some related office experience. Good organizational, interpersonal and communication skills. Medium typing.

Office Assistant, GR17 (C7604)

Controller's/Accounting-Endowed

Minimum Biweekly Salary: \$495.36

Perform miscellaneous clerical duties and act as receptionist for Controller's Office at East Hill Plaza. Responsibilities include light typing; sort mail; answer phones; assist in data entry. Duties as assigned.

Requirements: High School diploma or equivalent. Some business or secretarial training desired. Able to interact well with all levels of personnel in and outside the University. Demonstrated organizational and communicational (oral) skills.

Secretary, GR17 (C7512)

Residence Life-Endowed

Minimum Biweekly Salary: \$495.36

Bookkeeping; maintain files; distribution of student mail; run duplicating and photocopying machine; type; deal with summer conference groups.

Requirements: High School Diploma or equivalent. Some clerical work experience desired. Excellent interpersonal skills and work well with students and public. Ability to work independently and through distractions. Light typing.

Sales Assistant, GR17 (C7217)

Laboratory of Ornithology-Endowed

Minimum Biweekly Salary: \$495.36

Provide clerical and retail support for Crow's Nest Bookshop. Act as receptionist, sales assistant, operate cash register and perform data entry for Bookshop information. Other duties as assigned.

Requirements: High School diploma or equivalent. Prior retail background desired. Able to operate cash register or willingness to learn. Experience with computers needed. Cash handling. Some knowledge or interest in birds helpful. Ability to deal well with the public and work under pressure essential. Medium typing. Send cover letter and resume to Esther Smith.

Secretary, GR18 (C7605)

A&S Dean's Office-Academic Advising-Endowed

Minimum Biweekly Salary: \$513.94

Provide administrative and clerical support for two assistant deans. Answer student and faculty questions regarding college policies; maintain admission files for transfer students; compile statistics regarding student progress; plan and schedule meetings and special events; type correspondence and texts for publications and mailings.

Requirements: High School diploma or equivalent; some familiarity with college setting desirable. Minimum 1 year related work experience. Good interpersonal and communication (oral and written) skills. Experience with word processing and microcomputers. Ease with varied responsibilities. Ability to work under pressure and be flexible. Medium typing.

Receptionist, GR18 (C7601)

Telecommunications-Endowed

Minimum Biweekly Salary: \$513.94

Provide clerical/receptionist support for staff and operate Telex equipment/Macintosh computer (PC). Type; file; answer telephone; arrange meetings; order and maintain office supplies and equipment inventory. Other duties as assigned.

Requirements: High School diploma or equivalent. Courses in secretarial science or related desirable. Minimum 1 year related experience. Familiar with personal computers and/or word processing. Excellent organizational, interpersonal and communication skills. Heavy typing.

Secretary, GR18 (C7515)

Agronomy-Statutory

Minimum Biweekly Salary: \$513.94

Typing class and research material, correspondence, manuscripts and travel vouchers; make travel arrangements; telephone handling and other related secretarial duties for five professors and three other professionals.

Requirements: High School diploma or equivalent. Some secretarial school or equivalent in training. Minimum 1-2 years related experience. Familiarity with Macintosh computer with Microsoft Word Desirable. Heavy Typing.

Office Assistant, GR18 (C7510)

Campus Store-Endowed

Minimum Biweekly Salary: \$513.94

Record all incoming books for Tradebook department, into a computerized system for inventory; process paperwork, (e.g. invoices, purchase orders, etc.); Prepare merchandise for mailing or sales floor presentation; maintain inventory through data entry. Take periodic physical inventory of stock. 9am -6pm Monday through Friday, some weekends. Flexible hours.

Requirements: High School diploma or equivalent. 1-2 years retail experience required, preferably with books. Data entry experience essential. Ability to learn a menu driven system essential. Excellent communication, interpersonal and organizational skills.

Secretary, GR18 (C7518)

State Programs Office-Endowed

Minimum Biweekly Salary: \$513.94

Provide secretarial and receptionist support to the Director, Assistant Director, and other State Programs staff. Assist and interact with approximately 250 Program students, providing them with information and direction regarding campus wide support services.

Requirements: High School diploma or equivalent. Ability to communicate and work effectively with diverse population. Minimum 1-2 years related experience. Required experience with microcomputers and word-processing. Medium typing.

Senior Records Assistant, GR18 (C7509)

Catalog Management-Endowed

Minimum Biweekly Salary: \$513.94

Responsible for the retrospective conversion of catalog copy including searching, deriving, and tagging machine-readable records in various on-line databases; revises and updates machine-readable records and shelf list cards. Until 6-30-90.

Requirements: Some college coursework or equivalent. At least 1 year related experience. Working knowledge of the NOTIS and RLIN cataloging systems and the US MARC Format for Bibliographic Data desirable. Medium Typing.

Office Assistant, GR18 (C7511)

Laboratory of Ornithology-Endowed

Minimum Biweekly Salary: \$513.94

Process membership renewals; update records, and handle renewal correspondence. Work with other staff in maintaining a smooth-running solicitation and renewal program for 10,000 - 20,000 members; work with the business office in preparation of all membership renewal and new member income deposits; assist lab members in an efficient positive manner. Medium Typing.

Requirements: High School diploma or equivalent required. Some college coursework desired. Minimum 1 year related office experience. Accurate typing and data entry skills. Familiarity with office computer systems, specifically IBM's System 36. Good organizational skills. Sincere interest in promoting the goals of the Laboratory of Ornithology.

Administrative Secretary, GR19 (C7610)

Judicial Administrator-Endowed

Minimum Biweekly Salary: \$535.78

Provide receptionist secretarial support. Type; answer telephones; handle and update confidential files; attend and record hearings; make appointments; greet visitors; handle payroll and other vouchers; type hearing board decisions and synthesis of hearings.

Requirements: High School diploma, AAS or equivalent preferred. Minimum 2 years secretarial experience. Familiar with University. Strong communication and interpersonal skills. Medium typing.

Administrative Aide, GR19 (C7501)

Information Technology-Endowed

Minimum Biweekly Salary: \$535.78

Under general supervision, provide administrative support to the Director and Division of CIT Services. Responsibilities include administrative, clerical, personnel/payroll, and accounting support including working with highly confidential material. Medium typing.

Requirements: High School diploma or equivalent. Some college coursework preferred. 2 years experience preferably at Cornell. Excellent communication, interpersonal and organizational skills. Experience in using microcomputer necessary and Macintosh software (WORD, Excel, and FileMaker) a plus. Confidentiality essential.

Administrative Aide, GR19 (C7502)

Information Technology/Workstation Resources-Endowed

Minimum Biweekly Salary: \$535.78

Under general supervision, the primary function is to provide administrative support to the Director and the Division of CIT Workstation Resources. Responsibilities include administrative, clerical, personnel/payroll, and accounting support including working with highly confidential material. Medium typing.

Requirements: High School diploma or equivalent. Some college coursework preferred. Minimum 2 years experience preferably at Cornell. Excellent communication, interpersonal and organizational skills. Experience using microcomputer necessary and Macintosh software (WORD, Excel, and Filemaker) a plus. Confidentiality essential.

Administrative Aide, GR19 (C7516)

Undergraduate Admissions-Endowed

Minimum Biweekly Salary: \$535.78

Provide secretarial and clerical support to the Southeast Regional Coordinator and Assistant Director of Admissions. Responsibilities include routine correspondence; maintain files and accounts, prepare vouchers; prepare and type statistical reports; assist in budget preparation; facilitate folder flow to and from committees. Medium typing.

Requirements: High School diploma or equivalent; business or secretarial school desirable. Minimum 1-3 years related experience. Wordprocessing and computer skills. Knowledge of Cornell helpful. Excellent organizational, interpersonal and communicational skills.

Administrative Aide, GR20 (C5812)

University Development-Endowed

Minimum Biweekly Salary: \$558.78

Assist the Associate Director of the Cornell Fund by providing administrative support and coordinating operational and logistical support among the regional, college, public affairs and central annual fund offices. Manage work-flow; research and prepare complex gift and profile reports; prioritize and prepare all incoming and outgoing correspondence; draft correspondence; coordinate mass mail, printing, and word processing. Handle confidential correspondence.

Requirements: Associate's or equivalent. Minimum 2-3 years related experience. Excellent organizational, communications and interpersonal skills. Ability to handle confidential information. Ability to prioritize assignments and work under pressure. Experience in office management and computers. Knowledge of Cornell desirable. Medium typing

Administrative Aide, GR21 (C7603)

Diagnostic Laboratory-Statutory

Minimum Biweekly Salary: \$582.29

Responsible for all college and state accounts including order and voucher processing. Post accounting system; reconcile to F&BS records, report balances and account activity and adjusting errors, serve as main personnel contact for the department, maintain all personnel records and process all personnel requisitions, appointments and terminations. Assist in annual inventory.

Requirements: Associate's or equivalent. Minimum 2-3 years experience with statutory accounting. Light typing.

Accounts Coordinator, GR21 (C7517)

Controller's/Accounting-Endowed

Minimum Biweekly Salary: \$582.29

Act as assistant to Senior Accountant for Endowment, Investment and Banking. Responsible for reconciling six major university bank accounts and two subsidiary accounts, liaison and reviewer for approximately 38 departmental bank account reconciliations.

Requirements: Associate's or equivalent in Business Administration or Banking and Finance. Working knowledge of personal computers. Strong logic and organizational skills. Accuracy and ability to work independently and efficiently is essential. Good communication, verbal and written skills are needed. Minimum 2-3 years accounting/bookkeeping experience helpful.

Accounts Assistant, GR21 (C7514)

Diagnostic Laboratory-Statutory

Minimum Biweekly Salary: \$582.29

Responsible for computer-based accounts receivable system, billings, collections and all related record keeping and trouble shooting. Also grant accounting and inventory management, system development and implementation of new policies and procedures. Light typing.

Requirements: Associate's in accounting or business administration or equivalent. Minimum 2-3 years related experience. Must be experienced user of spreadsheet and word processing software. Good communication, oral/written skills essential. Some knowledge of Cornell accounting system and/or basic medical terminology helpful.

Office Systems Specialist I, GR21 (C7402)

Mathematics-Endowed

Minimum Biweekly Salary: \$582.29

Provide organizational and administrative support for a large academic department. Act as support staff training specialist and consultant in the areas of computer operations for word processing, relational databases, technical typing, and e-mail; provide original entry and editing of highly technical math manuscripts.

Requirements: Associate's or equivalent plus additional training or education in the areas of human resources management, accounting, supervisory training, and computers. Strong knowledge of computerized systems (LaTeX, Emacs, networking). Leadership and training skills. Minimum 2-3 years related experience in an academic environment. Highly developed technical typing skills. Medium typing.

Accounts Coordinator, GR22 (C6505)

Summer Session-Endowed

Minimum Biweekly Salary: \$607.04

Provide extensive accounting and payroll support to the Division and to the director of finance. Supervise all Summer and Extramural Study accounts including processing deposits, reviewing and reconciling accounts; reviewing special program and professional program budgets; appoint and process payroll for approximately 700 faculty, TA's and staff; provide and maintain deposit databases; supervise accounts assistant.

Requirements: Associate's in accounting or equivalent. Minimum 3-4 years experience. Excellent organizational, interpersonal, and communication skills required. Knowledge of Cornell accounting preferred. Experience with Lotus 123 required.

Administrative Aide-Legal, GR22 (C7606)

University Counsel-Endowed

Minimum Biweekly Salary: \$607.04

Provide administrative assistance to staff lawyer. Some bookkeeping; maintain filing system; prepare legal documents, memoranda and correspondence.

Requirements: Associate's in business or equivalent experience in law preferred. Minimum 3 years work experience in law and/or administration (law office preferred). Experience in litigation matters, memory typewriters and Apple Mac PC very helpful. Excellent secretarial skills. Confidentiality. Heavy typing.

Theatre Assistant, GR22 (C7017)

Theatre Arts-Endowed

Minimum Biweekly Salary: \$607.04

Alter, cut, pattern, stitch costumes for theatre productions. Coordinate laundering and maintenance of costumes; assist with craftwork and dyeing. Maintenance of costume shop equipment. Seasonal position yearly to mid-May. Until May 1990.

Requirements: Bachelor's or equivalent in theatre/costume construction preferred. Substantial experience with costume construction required. Knowledge of multiple areas of costuming including excellent stitching skills, patterning, cutting, alterations. Send cover letter and resume to Esther Smith.

Office Professionals Off-Campus

Secretary, GR19 (C7609)

Cornell-in-Washington-Washington, D.C.-Endowed

Minimum Biweekly Salary: \$535.78

Provide full-range of secretarial services for the Cornell-in-

Washington Program. Type; clerical assistance and administrative support for faculty, staff, students and alumni.

Requirements: High School diploma or equivalent. Associate's or equivalent preferred. Minimum 2 years related experience. Previous secretarial and office work. Familiar with word processing and microcomputers. Good typing skills. Excellent command of language. Strong communication and interpersonal skills. Medium typing.

Office Professionals Part-Time

Office Assistant, GR15 (C7206)

Veterinary Medical Teaching Hospital-Statutory

Minimum full-time equivalent: \$460.20

Work with weekend hospital census package and other medical record computer programs; check in records from the Small Animal Clinic on a daily basis; file laboratory reports and record on a daily basis; pull medical charts for research; assist doctors in finding records and ready records for microfilm. Monday-Friday, 2 p.m.-6 p.m., Saturday, 8 a.m.-12 noon. Must be willing to work holidays.

Requirements: High School diploma or equivalent. Good organizational, interpersonal and communication skills. Light typing. Send cover letter and resume to Esther Smith.

Office Assistant, GR16 (C6811)

Athletics-Endowed

Minimum full-time equivalent: \$477.46

Assist in daily operation of Indoor Tennis Courts. Work with court reservation system, daily sales reports and deposits, oversee part-time and student employees; customer relations.

Requirements: High School diploma or equivalent. Minimum 1 year successful experience in cash handling, record keeping and supervision. Must have proven ability to work well with the public. Monday-Friday, 9:00 a.m.-3:30 p.m. 8 month position. Light typing. Send cover letter and resume to Esther Smith.

Office Assistant, GR17 (C7216)

Music-Endowed

Minimum full-time equivalent: \$495.36

Act as stage manager for Barnes Auditorium. Train and supervise student ushers; coordinate tuning and moving of department instruments; setup department events (classrooms and auditorium); prepare monthly calendar of events for distribution; arrange for concert recordings. Light typing. 20 hours/week; 10 regular days/10 irregular evenings. 9.5 months appointment/year

Requirements: Music interest helpful but not necessary. High School diploma or equivalent. Knowledge of music and musicianship. Excellent public relations skills. Experience in a concert giving environment and knowledge of related practices, including recording concerts. Good decision making ability. Send cover letter and resume to Esther Smith.

Office Assistant, GR17 (C7213)

East Asia Program (Asian Studies)-Endowed

Minimum full-time equivalent: \$495.36

Provide secretarial support to the East Asia Program's Executive Staff Assistant and Administrative Aide. Take charge of the Program's weekly faculty luncheons. Monday-Friday, 4 hours per day. Hours flexible.

Requirements: High School diploma or equivalent. General office skills. Knowledge of IBM computers and wordperfect. Light typing. Send cover letter and resume to Esther Smith.

Administrative Secretary, GR20 (C7607)

Physics-Endowed

Minimum full-time equivalent: \$558.78

Provide administrative support; assign faculty advisors and maintain records for Physics Majors; arrange for and publicize weekly colloquia; type technical course work and lab manuals; receptionist; collect and catalogue reprints; operate offset press (training provided).

Requirements: Associate's or equivalent. Minimum 2-3 years previous experience. Excellent secretarial, organizational and interpersonal skill. Ability to set priorities and work independently and as part of a team. Experience with Macintosh and m/s word perfect. Medium typing. Monday-Friday, 5 hours per day, 25 hours per week.

Senior Night Supervisor, GR20 (C7608)

Uris Library-Endowed

Minimum full-time equivalent: \$558.78

Oversee the operation of circulation and reserve desks and responsible for building during evening hours. Supervise the work of student assistants; assist with routine desk duties as needed; make regular rounds of building; answer questions and handle problems.

Requirements: Associate's or equivalent. Some related experience preferably in an academic setting. Minimum 1-2 years related experience. Ability to work well with a variety of people in a public setting in a supervisory capacity and work under pressure. 25 hours per week. 5 p.m.-Midnight.

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.

Secretary, (S7601)

Language House Program-Endowed

Type correspondence, reports and agendas, answer phone; process Language House applications and accounting forms.

Requirements: Associate's or equivalent in secretarial science. Strong emphasis on organizational, communicational, secretarial skills; flexibility, independent worker, ability to relate well to students. Medium typing. Cover letter and resume to Karen Raponi.

Office Assistant (S7207)

Clinical Sciences-Statutory

Data entry of information gathered in study of avian diseases.

Requirements: High School diploma or equivalent. Data entry experience. Typing 60 wpm. Approximately 3 months, Monday-Friday.

Office Assistant (S7407)

University Council-Endowed

Computer processing of program registration information

Jobs Continued from page 3

and meeting planning details as required. Data entry and manipulation of registration information; daily cash deposits; some meeting room reservation details; proofreading of program materials; final attendees list and statistics, final evaluation report. Other duties as assigned.

Requirements: Data entry and some programming skills. Excellent proofreading, grammar and spelling skills, some conference or meeting planning experience helpful. Good organizational skills. Ability to work under pressure of multiple deadlines. Work flexible, extended hours. Until 10/28. Send cover letter and resume to Karen Raponi.

Office Assistant (\$7501) University Council-Endowed

Implement all meeting planning details as directed by staff for three-day annual meeting event. Process registration information; daily cash deposits; proofreading of all program materials; prepare registration desk book, send confirmation forms; phone contact; contact speakers for AV requirements; gather information on campus activities; prepare final registration packets. Other duties as assigned.

Requirements: Good organizational, proofreading, grammar and spelling skills. Some conference/meeting planning experience helpful. Ability to work under pressure and to work independently with assigned projects. Work flexible, extended hours. Until 10/28. Send cover letter and resume to Karen Raponi.

General Service

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

Custodian, SO02 (G7603) 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 (G7601) Buildings Care-Endowed

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.

General Service Part-time

Custodian, SO02 (G7602) University Health Services-Endowed

Hiring Rate: \$6.00
Perform general custodial care of building as well as other duties as required. Monday-Friday, 5:30-9:30 a.m.; 20 hours per week.
Requirements: Basic reading and writing skills. Operate a variety of heavy power equipment. Able to lift 50 pounds.

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.

Materials Handler (\$7502) Veterinary Administration-Statutory

Hiring Rate: \$6.00
Receive materials for incineration and keep appropriate records. Assist with incinerator operations. Approx. 20 hours/week. Part-time temporary 2-6 months.
Requirements: High School diploma or equivalent. Able to lift 50 pounds. Will be in contact with hazardous waste. Contact Karen Raponi-607-255-2192.

Farmworkers (B6402) Farm Services

Perform a variety of duties: stack hay bales, operate farm tractor, some grounds maintenance; routine equipment maintenance.
Requirements: High School diploma or equivalent. Some related experience preferred. Must be able to lift 75 pounds. Send application materials to Staffing Services, 160 Day Hall.

Bocye Thompson Institute

Temporary Accounts Clerk

Salary: Commensurate with experience.
Temporary, full-time position, approximately 6 months; process purchase orders, A/R billing, band and G/L reconciliations, data input. Typing skills essential. Experience with computers desirable. Contact Nancy DeLuca, 254-1247.

Academic

Extension Associate IV, CA6, NYSSILR, Buffalo

Conduct research, develop curriculum, instruct and assist in the administration of multi-disciplinary industry education programs.

Requirements: Master's in field related to international economics, global business practices, industry history and/or economic development plus work experience in teaching, research, or industry. Contact Susan Woods, Chair, Search Committee, Cornell University ILR, 120 Delaware Avenue, Room 225, Buffalo, NY 14202 by Aug 1.

Transfers and Promotions for May and June

Name	Department	Name	Department	Name	Department
Ben Abel	University Libraries	Lenore Hammond	Environmental Health	Shirley Rich	Telecommunications
Horst Albrecht	Hotel Administration	Helen Haynes	University Libraries	John Ricklefs	Statler Hotel
Karen Altier	University Libraries	Ethel Heila	University Libraries	Laura Robert	University Libraries
Glenn Altschuler	Arts & Sciences	Linda Heinle	Bursar's Office	Allan Roloson	Geneva
S. J. Antinelli	Geneva	Laura Heisey	University Libraries	Claire Rudnick	University Libraries
Steven Baez	Statler Hotel	Stephanie Henkel	Engineering	Diane Russell	Engineering
Richard Banks	Public Affairs	Suzanne Hills	University Libraries	Kathleen Ryan	Telecommunications
Nancy Banner	Hotel Administration	Joanne Hindman	University Press	Louis Rzepka	Campus Affairs
Vickii Barry	Hotel Administration	Amy S. Horner	Development	Anita Salazar	University Libraries
Ruth Beachler	University Libraries	Michael Hornick	Statler Hotel	Paul Salce	Statler Hotel
Ayele Bekerie	University Libraries	Robert Houck	Maint. & Service Oper.	Patricia Schimizzi	Hotel Administration
Ann Bell	University Libraries	Stephen Hubble	Dining Services	John Schottel	Statler Hotel
Lois Billups	Nuclear Studies	Scott Hughes	Statler Hotel	Beverly Scofield	Psychology
Judith Birkett	Geneva	Juan Infante	Hotel Administration	Tony Scott	University Libraries
Erik Bjarnar	University Libraries	Melissa Jackson	University Libraries	Mirjam Seeger	University Libraries
Thomas Boggess	Info. Technologies	R. Daniel Jenkins	Computer Science	Robert Seletsky	University Libraries
George Boyce	Engineering	Frederick Johnson	Buildings Care	Anne Seynnaeve	University Libraries
Karen Breinlinger	Psychology	Nancy Jones	University Libraries	Jeffrey Champnois	Plantations
Esther Brown	Statler Hotel	William Kaminski	Engineering	Robert Sherwood	Biotechnology
Neal Brown	University Libraries	Kathleen Kearns	University Press	Barbara Skoblick	Info. Technologies
Peter Bruno	Statler Hotel	Diana Kelsey	University Press	Marilyn Slaght	Statler Hotel
JoAnn Butler	University Libraries	Sharon King	Statler Hotel	Debbie Smith	Engineering
Wayne Butler	Telecommunications	Edward Klopff	Telecommunications	Karen Smith	Public Safety
Donna Carl	Alumni Affairs	Anthony Kveragas	Statler Hotel	Laura Smith	University Libraries
Robert Carlisle	Theory Center	Carolynne Lambert	Info. Technologies	Rebecca Smith	Development
Robin Carnes	University Libraries	Ivan Lashomb	Buildings Care	Walter Smithers	Buildings Care
Theresa Carroll	Info. Technologies	Theodore Lazcano	Public Safety	Carol Snedeker	University Libraries
Susan Chamberlain	Development	Eckhart Lindemann	University Libraries	Yvonne Spry	University Libraries
Long-Jun Chang	University Libraries	Catherine Long	Engineering	Mary Lou Steger	JGSM
Catherine Cigna	Geneva	Johathan Long	University Libraries	Carrol Stevens	University Libraries
Barbara Clarki	President's Office	M. Lopez-Camelo	University Libraries	Laurie Stevens	University Libraries
Roger Clearwater	University Libraries	Beverly MacDowell	Statler Hotel	Doris Straw	Accounting
Carolee Comstock	University Libraries	Joseph Mac	University Libraries	Helen Swank	SE Asia Program
Catherine Cooke	University Libraries	Jean Mahalov	University Libraries	Daniel Talmadge	University Libraries
Eleanor Cox	Graduate School	Dorothy March	JGSM	Donna Tatro	Info. Technologies
Cheryl Cummings	Residence Life	Kristine Marsh	Natural Resources	Mark Testut	Statler Hotel
Hatice Dalkir	University Libraries	Donald Mastin	Statler Hotel	Lynn Thitchener	University Libraries
Ann DiStefano	Ornithology	Robin Messing	University Libraries	Yvonne Thomas	Buildings Care
Teresa M. Dodge	University Libraries	Kimberly Meyer	Statler Hotel	Anne Thumm	Buildings Care
M. Echeverri	University Libraries	M. Michelson-Thiery	University Libraries	Emily Thurston	Theory Center
Judith Ehren	Registrar's Office	Rosie Moore	Statler Hotel	Teresa Troy	Development
David Ehrentauf	University Press	Robert Morgan	Statler Hotel	Beth Underwood	Residence Life
Robert Evangelista	Geneva	Pamela Morris	University Libraries	Angela Wagner	Mann Library
Norman Faiola	Statler Hotel	Debralyn Muscato	University Libraries	Elizabeth Walker	Architecture
Debra Ferguson	Hotel Administration	Frederick Myers	Public Safety	Jo Ellen Wallace	University Libraries
Joanne Fitch	Telecommunications	William Nelson	University Libraries	Patricia Walters	University Libraries
Deborah Foti	University Libraries	Janiece Oblak	Admissions	Toni Ward	Graduate School
Jack Fouts	Athletics	Joan Oltz	Anthropology	Martha Washburn	University Libraries
Jan Frantz	University Libraries	Jack Ozmun	Telecommunications	David White	University Libraries
Steven C. Gallow	Engineering	Janice Pack	Public Safety	Helen White	Dining Services
Tammy L. Gardner	International Studies	Eric Parker	University Libraries	Diane Williams	Russian Literature
Roger Garnett	Ag Economics	Kathleen Parker	Telecommunications	George Writer	Athletics
David Georgia	General Stores	Rebecca Parker	Floriculture	Suzanne Wurster	Chemistry
Frederica Gibson	Dean of Students	Douglas Parsons	Buildings Care	Tsedal Yeshak	University Libraries
Nick Gimbrone	Info. Technologies	Jane Pealo	Registrar's Office	Thomas Young	Info. Technologies
Anne Gockel	Engineering	Lydia Pettis	University Libraries	J. Zender-Romick	Hotel Administration
Judy Goodwin	Telecommunications	Kathleen Purdy	Sponsored Programs	Veronica Zielinski	University Libraries
Merilee Grey	Hotel Administration	Lynne Kaymond	Mann Library	Donald Zifchock	Telecommunications
Terri Gruber	Nuclear Studies	Carrie Regenstein	Info. Technologies		

Cornell Employment News

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Telephone: Human Resources (607) 255-5226
Office of Equal Opportunity (607) 255-3976

EQUAL
Opportunity at Cornell

CORNELL EMPLOYMENT NEWS

July 20, 1989

Summer Edition

Volume 1, Number 28

JOB OPPORTUNITIES

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

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

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

Professional

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

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

Senior Systems Programmer/Analyst (PT4010) Lvl 35 Computer Services-Endowed

Design, develop and program software systems related to computer-based communications. Prepare documentation, train and assist users; process database changes.

Requirements: Bachelor's or equivalent; 3-5 years programming experience; extensive knowledge of VM/CMS (especially X edit) and IBM assembly language. Knowledge of Pascal and C languages, with TCP/IP network concepts and protocols desirable. Excellent interpersonal and communication (written/verbal) skills. Send cover letter and resume to Bill Webster.

Research Support Specialist III (PT7714) HRII Veterinary Pathology-Statutory

Manage daily operations of the tissue culture unit of the Cancer Cell Biology Laboratories; participate in long-range planning and execution of research activities.

Requirements: Master's or equivalent required. 3-5 years experience in tissue culture techniques. Send cover letter and resume to Bill Webster.

Research Support Specialist III (PT7601) HRII Agronomy-Statutory

Develop a Northeast regional soil database in support of a CSRS project to map groundwater contamination potential. Duties include: collect data (20%), develop database (30%), derive interpretive functions (25%), develop linkages (25%). Until September 17, 1990.

Requirements: Master's or equivalent in soil science with training in computer science and database management. Minimum 3 years related experience. Familiarity with UNIX and DOS operating systems, RBASE and PRELUDE database management software is desired. Send cover letter and resume to Bill Webster.

Research Support Specialist III (PT7602) HRII Agronomy-Statutory

Assist the Cornell University Agricultural Experiment Sta-

tion Soil Survey Leader in conducting the soil survey program, including field operations, laboratory operations, research studies, and extension activities as part of the National Cooperative Soil Survey. Until January 14, 1993. **Requirements:** Master's or equivalent in soil science with field soil survey experience and strong background in basic sciences, geology, and mineralogy. Minimum 3 years laboratory experience is required. Familiarity with personal computers, database management software, and geographic information systems is desired. Send cover letter and resume to Bill Webster.

Health Associate III (PA7605) HRII

Using Health Association-Physician approved guidelines, provide primary health care to university students, faculty and staff members. Emphasis is placed on continuity of care, health education, health maintenance and preventative care.

Requirements: NYS RN/PA license and graduate of an accredited NP/PA program required. 3-5 years experience and professional certification preferred. Send cover letter and resume to Cynthia Smithbower by July 28.

Assistant Director/Business Manager (PA7603) HRII Dining Services-Endowed

Administer all financial aspects of a university enterprise service department with a budget of \$19M.

Requirements: MBA or CPA or equivalent. 3-5 years related experience in fiscal/management/administration, or equivalent. Send cover letter and resume to Cynthia Smithbower by July 28.

Associate Director of School Relations (PA7609) HRII ILR-Statutory

Primary responsibility is to design and implement a program of annual giving for the New York School of Industrial and Labor Relations. Responsible for cultivation and solicitation of gifts for annual program among alumni, parents and friends. Includes: participation in planning of marketing strategy; development of fund-raising materials to support programs of annual giving; recruitment of volunteer leadership to solicit annual gifts and to lead reunion and senior class gift programs; evaluation of the campaign at close of fiscal year; report to and recognize volunteers and donors.

Requirements: Bachelor's or equivalent and significant experience in development or related field. Excellent organizational, interpersonal, and communication skills necessary. Send cover letter and resume by August 18 to Search Committee: Assoc. Dir. of School Relations.

Applications Programmer/Systems Analyst III (PT7710) Level 34

Mann Library-Statutory

Provide programming and technical support for design, development, and maintenance of a gateway system of access to information resources; develop and maintain front-end interfaces to central information systems; format, load, and maintain electronic files for scholarly information. One year appointment. Continuation contingent upon funding.

Requirements: Bachelor's or equivalent with some formal training in computer science. Some background in the life sciences desirable. 3-5 years programming experience in several programming languages (C, Pascal); experience with one or more mainframe or minicomputer systems; experience with Unix highly desirable. Experience with communications software desirable. Programming experience in a microcomputer environment highly desirable. Send cover letter and resume to Bill Webster.

Applications Programmer II (PT7504) Level 33 Law-Endowed

Develop, modify and maintain a related family of applications programs for database management on a novell network. Manage the operations of the PC based network at the Law School. Provide training and consulting on hardware and software issues and applications to faculty, staff and students.

Requirements: Bachelor's in computer-related field or equivalent. 2-3 years related experience. Knowledge of personal computers and local area networks. Proven computer programming experiences in database applications required. Experience in dataflex DBMS language and at least one other DBMS language strongly preferred. Excellent interpersonal and analytical skills. Send cover letter and resume to Bill Webster.

Applications Programmer/Analyst I (PT7603) Level 32 Law-Endowed

Maintain and modify existing applications programs for database management on a Novell network. Provide training and consulting on hardware and software issues for faculty, staff and students.

Requirements: Bachelor's in computer-related field or equivalent. 1-2 years related experience. Knowledge of local area networks preferred. Proven computer programming experience in database applications required. Experience in dataflex DBMS language strongly preferred. Excellent interpersonal skills required. Send cover letter and resume to Bill Webster.

Applications Programmer I (PT7717) Level 32 Animal Science-Statutory

Design, write, implement, document and maintain applications software of a complex nature for the Northeast Dairy Records Processing Laboratory.

Requirements: Bachelor's or equivalent in Animal Science/Computer Science. 1-2 years related experience. An agricultural background in the dairy field would be highly desirable as would programming experience in assembler language and CSP. Experience with CICS desirable. Send cover letter and resume to Bill Webster.

Systems Analyst I (PT7518) Level 32 CISER-Endowed

Support and consult with staff in the operation of CISER's Survey Research Facility and provide support of SPSSx, SPSS-PC and SPSS-DE to CISER members and their affiliates.

Requirements: Bachelor's or equivalent in Social Science preferred. 1-2 years related experience in survey research. Knowledge of DBASE III, SPSSx, SPSS-PC, SPSS-DE. Good interpersonal and communication skills. Send cover letter and resume to Bill Webster.

Research Support Specialist I (PT7713) HRII Center for Research Animal Resources (CRAR)-Statutory

Provide back-up technical support for standard immunological assays. Assist researchers in the development of in vitro systems to study transport of macromolecules across mucosal membranes. Perform embedding and electron microscopy of canine tissues when needed.

Requirements: Bachelor's or equivalent in life sciences or related field. Experience in use of light and electronmicroscopy useful. Knowledge of histological techniques.

Research Support Specialist I (PT6904) HRII Veterinary Pathology-Statutory

Provide investigative assistance and technological support to the Flow Cytometry Labs. Plan and execute research experiments related to the effects of oncogenes and chromosomal aberrations on cell differentiation. Supervise staff and/or participate in performing tasks related to cell culture, protein and nucleic acid analysis and flow cytometry; measure protein and RNA synthetic rates by radio labeled precursors. Assist in the analysis of data and in preparing results for publication.

Requirements: Bachelor's or equivalent in relevant biological or physical sciences; Master's preferred. 2-3 years related laboratory experience required (techniques related

Important Information: Campus Parking to be Altered During Empire State Games Parking and Traffic Rules for August 2-6

Will Empire State Games participants be using Cornell parking lots?

Yes, on Wednesday, August 2 the parking garage, Kite Hill and the Lynah-Teagle lots will be used for paid parking for the Empire State opening ceremonies. Employees are asked to move their vehicles out of these lots by 5 p.m. on Wednesday, August 2.

On Thurs., August 3 and Friday, August 4 the parking garage and all Kite Hill parking lots will be reserved for Empire State Games officials and spectators and will be closed to employees who normally use these lots.

Where will I park?

Holders of G and H permits will be able to park in any legal spot on campus regardless of its letter designation; K permits will be valid in all O areas.

Will the presence of Empire State Games participants and spectators on campus cause traffic congestion?

With as many as 60 events taking place simultaneously at various sites in the area in-

cluding the Cornell and Ithaca College campuses, there should not be traffic congestion at Cornell except during the opening ceremonies on the night of Wednesday, August 2.

Will there be any traffic problems off campus?

Traffic disruption will extend beyond the Cornell campus on Thursday, August 3 and Friday, August 4 when buses will be transporting athletes from Ithaca College to Cornell between 5:30 and 6:30pm. There will also be bus traffic on Thursday and Friday between 9:30 and 10:30pm.

Will any campus roads be closed during this time?

Yes, to accommodate the bus traffic, Garden Avenue will be closed between East Avenue and the stadium on Thursday and Friday between 5:30 and 6:30pm and again between 9:30 and 10:30pm.

What roads should I avoid in order to miss the traffic congestion due to the bussing of the athletes?

The buses will travel to Cornell from Ithaca College along Coddington Road, Hudson Street, Columbia Street, Giles Street, Cornell Street, Dryden Road and Campus Road between 5:30 and 6:30pm on Thursday and Friday.

The buses will return to Ithaca College along Campus Road, Stewart Avenue, State Street and Aurora Street between 9:30 and 10:30pm.

Will the Empire State Games participants and spectators be using the the Cornell dining halls? If so, will employees still be able to dine there?

The Empire State guests will be primarily be using Robert Purcell Union; other dining hall operations on campus should not be greatly affected by the presence of participants. Employees should be able to continue with their usual dining arrangements.

If I volunteer to help with the Empire State Games, will I receive release time from work or will I have to use my own vacation time?

The time employees spend volunteering for the Empire State Games will be considered leave with pay. You will not have to use accumulated vacation time. Release time will be granted at the discretion of supervisors.

How much are tickets to watch the games and how do I purchase them?

The cost is \$3 for one day's admission or \$10 for all events, including the opening ceremonies. There is no charge for children under the age of 12 who are accompanied by an adult. A number of nonprofit local organizations are selling tickets or call the local organizing committee at 272-8873.

How do I volunteer for the games and who do I call to receive more information?

To volunteer or to receive more information, call the local organizing committee at 272-8873.

to flow cytometry and tissue culture). Send cover letter and resume to Bill Webster.

Research Support Specialist II (PT7702) HRI National Nanofabrication Facility-Endowed
Supervise the operation of the photolithography area to ensure its maximum availability and functionality; work with users of the facility whose research involves these instruments.
Requirements: Bachelor's or equivalent in science or engineering required. Mechanical and electrical aptitude for repair and maintenance of equipment. Excellent interpersonal skills and ability to teach others of varying skill levels. Send cover letter and resume to Bill Webster.

Staff Writer II (PC7708) HRI Media Services-Statutory
Research, write, edit and produce radio news actuality reports for Consumer Information Network. Develop, produce and direct other projects within the TV/Radio Center as may be required. Function as a creative member of an interrelated television and radio production unit.
Requirements: Bachelor's or equivalent in Radio-TV, communications or consumer fields, plus minimum 3 years experience or demonstrable skills required. Strong background and experience in news development, writing, editing, and production a must. Ability to work with faculty, staff and clients. Must have pleasant, professional voice for narrations and broadcast announcing. Send tape, resume, writing samples and three references to Esther Smith.

Administrative Supervisor II (PA7601) HRI Veterinary Anatomy-Statutory
Under general supervision, perform, supervise, direct and/or advise on work related to the personnel, business and facilities aspects of a small department. Related activities may involve program/project management, contract/grant administration, funds management, staff supervision, management analysis, and information/data systems management. Some clerical work involved.
Requirements: Bachelor's or equivalent preferred. 2 years relevant administrative supervisory experience, knowledge of management principles and methods. Knowledge of finance/accounting/budgeting. Familiarity with computer systems helpful. Good communication and human relations skills. Send cover letter and resume to Cynthia Smithbower by July 28.

Technical Writer II (PC6215) HRI Information Technologies-Endowed
Plan and produce a comprehensive set of publications describing CIT offerings in these areas in conjunction with Directors, Assistant Directors, and staff in CIT Network Resources and Computer Resources divisions.
Requirements: Bachelor's or equivalent with 2-3 years experience in technical writing. Very strong written and verbal communications skills. Excellent teaching, interpersonal and problem solving skills. Knowledge in the following technical areas: UNIX, VM/CMS, use of computer networks. Experience in the use of computer-based publishing systems, especially Microsoft Word, and Page-Maker for the Macintosh. Send cover letter, resume and writing samples to Esther Smith.

Assistant Coordinator of Admissions (PA7607) HRI Office of Academic Programs, CALS-Statutory
Perform all admissions activities, including recruitment, evaluation of applications, interviewing and advising prospective students, and making admissions decisions. Develop recruitment publications. Work with college alumni identifying candidates for admissions. Four to six weeks travel each year.
Requirements: Bachelor's or equivalent required. Master's preferred. Background at least 1-2 years related experience in admissions, alumni affairs, or counseling preferred. Strong interpersonal and organizational skills. Must be creative, able to make independent decisions, organize events and projects, and make public presentations. Experience writing and preparing publications desired. Cover letter and resume to Cynthia Smithbower by July 25.

Terrace Restaurant Manager (PA7608) HRI Statler Hotel-Endowed
Plan, coordinate, schedule, and manage the food production and service in the Terrace Restaurant.
Requirements: Associate's in Restaurant Management or equivalent work experience. 1 year related experience desired. Proven supervisory skills, good financial management and planning skills. Send cover letter and resume to Cynthia Smithbower by July 28.

Publications/Graphic Designer (PA7606) HRI Media Services-Statutory
Conceive, design, and execute publications & other graphic design materials. Responsibilities include layout, type spec'ing, mechanical preparation, and some art direction.
Requirements: Bachelor's of Fine Arts in design or equivalent professional experience. 2-3 years related experience. Knowledge of typography, photography, printing, and production processes essential. Must be able to use Macintosh II design system with Aldus Pagemaker, Adobe Illustrator, and WriteNow software packages. Send cover letter, resume and no more than 20 35mm slides of representative work, by July 28 to Linda Haylor Mikula, Media Services, 1160 Comstock Hall.

Assistant Director (PA7602) HRI Arts and Sciences Admissions-Endowed
Will be involved in the full range of admissions duties: interviewing prospective applicants, recruitment and travel, group presentation, selection, some student advising, etc.
Requirements: Bachelor's or equivalent in the liberal arts; advanced degree preferred. Minimum of 3 years admissions experience, college counseling, teaching or academic advising. Knowledge of admissions marketing and electronic admissions system. Excellent interpersonal, communication and organizational skills; ability to work with students and faculty; and commitment to the philosophy of a liberal arts education. Fluency in Spanish preferred but not required. Send cover letter and resume to Cynthia Smithbower by July 26.

Research Support Specialist I (PT7509) HRI Design & Environmental Analysis-Statutory
Assist on a research survey investigating the association between environmental tobacco smoke, indoor air quality, and work-related health problems in offices. Interview senior personnel; coordinate environmental monitoring of indoor air quality; conduct questionnaire surveys of office workers; coordinate data coding and entry; conduct statistical analyses; and assist in report writing & research presentations.
Requirements: Bachelor's or equivalent in Behavioral/Social Sciences. 2-3 years computing experience with IBM

mainframe systems; knowledge of IBM/CMS & SPSSX. Strong background in survey research, including experience with questionnaire construction and administration, data coding & entry, statistical analysis of survey data and interpretation & report writing. IBM & Macintosh system experience and knowledge of networking preferred. NYS driver's license and heavy travel required. Send cover letter and resume to Bill Webster.

Research Support Aide (PT7516) HRI CISER-Statutory
Provide support in form of direct consultation with faculty and grad students in quantitative social/economic research. Assist in use of CISER data archive collection of machine-readable data files/print data resources on campus. Answer questions supplying data from public data files on a cost-recovery basis.
Requirements: Bachelor's or equivalent required. 1-2 years experience within a data archive or academic reference staff; some knowledge of automated systems or ability to work with automated systems. Must be able to work within a team and communicate effectively. Familiarity with machine-readable data files, knowledge of federal statistical programs, federal documents, social science research methods, grad work in library or information science, and computing skills-micro and mainframe desired. Send cover letter and resume to Bill Webster.

Research Support Specialist I (PT7519) HRI Clinical Sciences-Statutory
Provide laboratory support of the woodchuck hepatitis project, research on liver and kidney diseases conducted by the Small Animal Clinic, and lab testing done by the Diagnostic Laboratory. Create, maintain and analyze computer records of test results using statistical software.
Requirements: Bachelor's or equivalent in chemistry or biology required. Master's desired. 1-2 years independent laboratory experience necessary, including maintenance of data files and analysis of data. Ability to meet deadlines. Computer experience essential. Ability to restrain small animals and obtain blood samples. Send cover letter and resume to Bill Webster.

Administrative Supervisor I (PG7402) HRI Statler Hotel-Endowed
Assist the Executive Housekeeper in the management of custodial tasks in the Hotel School. Hours include nights and weekends.
Requirements: Associate's or equivalent in facility management, Bachelor's preferred. Minimum 5 years custodial experience. Proven ability as a manager. Excellent communication (oral and written) skills. Send cover letter and resume to Esther Smith.

Dining Room Coordinator (PG7403) HRI Statler Hotel-Endowed
Schedule, coordinate, and manage the dining room staff to insure that proper etiquette and service is given in the fine dining room of the hotel so as to provide maximum guest satisfaction. Some nights and weekends.
Requirements: Bachelor's or equivalent in hotel administration preferred. Minimum 2-3 years experience in similar position required. Proven supervisory skills. Familiarity with all types of service. Excellent financial management and planning skills. Send cover letter and resume to Esther Smith.

Accounts Manager (PC7305) HRI Patents and Technology Marketing-Endowed
Provide financial support for the Department of Patents and Technology Marketing and Cornell Research Foundation. Involves budget forecasting and preparation of financial reports; responsible for approval of expenditures and distribution of royalty income; work closely with Director on financial matters; manage several Dbase systems.
Requirements: Bachelor's in accounting or equivalent. Minimum 1-3 years accounting and business experience and knowledge of Cornell community. Knowledge of IBM PC's or compatible; Lotus 123 and/or Twin spreadsheet; DBase experience required. Strong organizational and communication (verbal and written) skills. Send cover letter and resume to Esther Smith.

Teaching Support Specialist (PT7208) HRI Plant Breeding and Biometry-Statutory
Provide teaching and research support for instruction of various statistics courses. Provide statistical consulting and computing in Biometrics unit.
Requirements: Bachelor's or equivalent required, Master's in statistics preferred. Coursework in computer science desired. Some teaching and research experience necessary. Send cover letter and resume to Bill Webster.

Budget Analyst I (PC6904) HRI Administrative Operations-University Library-Endowed
Provide analytical and technical support to the budgeting, planning, and fiscal operating processes under the administrative direction of the accounting manager. Total operating expenditures for University Library system are approximately \$20 million annually.
Requirements: Bachelor's or equivalent (Associate's and 4-5 years accounting or related experience). 1-2 years related experience preferred. Strong analytical skills required. Cost analysis experience preferred. Experience with IBM/PC and applications (Lotus 1-2-3, dBase III+, and word processing) preferred. High degree of accuracy with attention to detail. Strong organizational, communication (verbal and written), and interpersonal skills. Familiarity with Cornell accounting and budget systems and procedures helpful. Send cover letter, resume and salary requirements to Esther Smith.

Research Support Aide (PC6516) HRI Chemistry-Endowed
Coordinate and monitor progress of manuscripts through editorial process for internationally-known technical journal; prepare annual author search survey for journal; submit production and financial reports to American Chemical Society.
Requirements: Bachelor's or equivalent in chemistry; Master's or 2 years related experience desirable. Familiarity with modern chemistry and science library; editorial experience helpful. Familiarity with scientific computing and word processing. Send cover letter and resume to Esther Smith.

Professional Part-time

Systems Programmer/Analyst II (PT7411) Level 33 Modern Languages and Linguistics-Endowed
Under general supervision, support speech synthesis and analysis in the DMLL Phonetics Laboratory. General responsibility for maintaining software on several computer systems including SUN 160c Workstation (UNIX),

IBM-PC/AT (DOS), PDP 11/73 & 40, and MAC II. 20 hours per week.
Requirements: Bachelor's or equivalent experience and training. 2-3 years related experience. Knowledge of UNIX and C required. Ability to develop systems software (such as device drivers); help developers of applications software with system-specific problems; port existing software to new computers; interface existing software with specific hardware (such as A/D converters); develop and maintain networks; enhance existing software with new features (including graphic display of data); do applications program development; and write documentation. Knowledge of and interest in signal processing useful, but not essential. Send cover letter and resume to Bill Webster.

Applications Programmer II (PT7308) Level 33/HRI Section of Ecology and Systematics-Statutory
Responsible for design, coding and maintenance of applications for natural history database system. Flexible schedule, 20-30 hours per week for grant duration.
Requirements: Bachelor's or equivalent with computer related courses or equivalent experience. Must have 2-3 years "C" programming experience with microcomputers. Prior experience with PC database software required. Knowledge of PC-based LANs helpful. Send cover letter and resume to Bill Webster.

Professional Temporary

Research Support Specialist I (PT7114) HRI Textiles and Apparel-Statutory
In conjunction with Baker Institute of Animal Health, conduct lab research in multidisciplinary field of biotechnology and biomedical materials.
Requirements: Bachelor's or equivalent required. Previous cell-culture skill desired or ability to learn quickly. Send cover letter and resume to Bill Webster.

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.

Illustrator, GR18 (T7705) Media Services-Statutory Minimum Biweekly Salary: \$513.94
Assist in the design and construction of exhibits, displays, and signage using a variety of tools, materials and technologies.
Requirements: Associate's in graphic design, fine arts, or related field or equivalent combination of education and experience. Experience in design, layout, and graphic arts production. Experience in three-dimensional exhibit design and aptitude to use the computer as a design tool desirable.

Technician, GR18 (T7709) Biochemistry-Statutory Minimum Biweekly Salary: \$513.94
Provide administrative and technical support in a large molecular biology laboratory. Order and maintain supplies and equipment; maintain bacterial strains; assist in supervision of undergraduate lab assistants.
Requirements: Associate's or equivalent. Bachelor's in science major preferred. Some laboratory experience in a research lab. Must have some administrative skills and good interpersonal relationship.

Technician, GR18 (T7515) Laboratory of Ornithology-Endowed Minimum Biweekly Salary: \$513.94
Edit and incorporate field tape recordings of animal sounds into the collection of the Library of Natural Sounds. Prepare and enter into a computerized information storage and retrieval system; catalog data for recordings in the Library. Until 7/11/90, continuation contingent upon funding.
Requirements: High School diploma or equivalent required. Some college coursework in biology or related field desired. Previous experience in the operations of studio audio equipment preferred. Strong technical aptitude. Audio theory, ornithology, or electronics knowledge preferred. Good organizational skills required.

Animal Technician, GR18 (T7514) Lab Animal Services-Statutory Minimum Biweekly Salary: \$513.94
Provide daily care of animals (i.e. feed, water, exercise). Maintain cages, pens, and environment; maintain animal records; follow procedures for animal care. Perform effective sanitation of equipment and facilities.
Requirements: High School diploma or equivalent required. Associate's in Animal Science desired. 1 year animal experience desired. Assistant Animal Certificate helpful. Must be in good physical condition; able to lift 50 pounds. Pre-employment physical and all required immunizations required.

Technician, GR19 (T7703) Entomology-Statutory Minimum Biweekly Salary: \$535.78
Provide technical support for the cloning of insecticide resistant genes in Drosophila and other insects, including DNA and RNA preparation, southern and northern analysis, and DNA sequencing. Until May 1990, continuation contingent upon funding.
Requirements: Bachelor's or equivalent in entomology or related field preferred. One year experience with molecular biology, preferably including DNA sequencing.

Technician, GR19 (T7605) Psychology-Endowed Minimum Biweekly Salary: \$535.78
Collect and analyze research data from children at elementary area schools and preschools. Perform library and paper work; prepare research reports. Until 1/31/90, funding expected until 1/31/93, continuation contingent upon funding.
Requirements: Associate's or equivalent required; Bachelor's or equivalent in Psychology preferred. Ability to communicate and interact comfortably with children. Math

aptitude; familiarity with computers. Valid NYS driver's license required.

Technician, GR19 (T6903, T4113) Veterinary Pathology-Statutory Minimum Biweekly Salary: \$535.78
Provide technical support for flow cytometry lab research activities. Perform experiments relative to the effects of oncogenes and chromosomal aberrations on cell differentiation; carry out lab protocols relative to cell culture and analysis of proteins and nucleic acids.(biochemistry/molecular biological techniques and flow cytometry).
Requirements: Associate's or equivalent required. Bachelor's in relevant biological or physical science preferred. Minimum 1 year related experience.

Technician, GR20 (T6910) Veterinary Medical Teaching Hospital-Statutory Minimum Biweekly Salary: \$558.78
Take radiographs and process films of animal patients and research material as required. Other duties as assigned. 39 hours per week, rotating Saturday, 10 a.m.-7 p.m.
Requirements: Licensed radiologic technician and/or NYS licensed animal health technician required. Experience handling animals preferred.

Technician, GR20 (T7711) Animal Science-Statutory Minimum Biweekly Salary: \$558.78
Carry out independent research establishing the conditions for culture of embryo cell lines. Procure the embryo material from animals and perform morphological, biochemical and animal studies on these lines.
Requirements: Bachelor's or equivalent in biology, physiology, or microbiology or related field. 1-2 years experience in tissue culture with at least 1 year experience in working with mammalian embryos desirable. Additional exper. in biochemistry/molecular biology highly desirable.

Technician, GR20 (T7706) Clinical Sciences-Statutory Minimum Biweekly Salary: \$558.78
Supervise equine respiration and performance area, including exercise treadmill. Assist with experimental procedures on animals. Occasional weekend and holiday by prior arrangement.
Requirements: Associate's or equivalent in animal health technology required. 1-3 years related experience. At least 1 year experience with handling and managing horses.

Technician, GR20 (T7607) Plant Breeding and Biometry-Statutory Minimum Biweekly Salary: \$558.78
Assist in the genetic mapping of RFLP markers in tomatoes. Extract DNA; run and blot gels; isolate and screen plasmid clones; radiolabel probes; manage computer data file and analyze genetic data on computer. Assist in overall maintenance of lab including preparing solutions, ordering supplies and monitoring safety. May involve some supervision of graduate students. Yearly continuation contingent upon funding.
Requirements: Bachelor's or equivalent in biology, genetics, biochemistry or related discipline. Minimum 1-2 years experience.

Technician, GR20 (T7307) Agronomy-Statutory Minimum Biweekly Salary: \$558.78
Provide support for research in biochemical analysis of specific mRNA's, activities of enzymes, and amounts of storage proteins in plant tissues. Duties include culturing bacteria containing cDNA plasmids, extracting and purifying DNA from bacteria and mRNA from plants and performing hybridization assays.
Requirements: Bachelor's or equivalent in biology, biochemistry or chemistry. 1 year related experience with basic laboratory equipment and ability to learn new techniques and procedures. Send cover letter and resume to Bill Webster.

Animal Health Technician, GR20 (T7202) Veterinary Medical Teaching Hospital-Statutory Minimum Biweekly Salary: \$558.78
Provide support therapy for ICU patients and assist with emergency procedures. Teach intensive care and emergency protocol to students assigned to ICU duty. Some weekends and holidays. Rotating shift, 3 p.m.-11 p.m. and 11 p.m.-7 a.m.
Requirements: Associate's or equivalent in animal health technology and NYS licensure (or eligibility) required. Minimum 2 years related experience. Experience working with small animals, interest in teaching critical care techniques preferred.

Animal Health Technician, GR20 (T6705) Veterinary Medical Teaching Hospital-Statutory Minimum Biweekly Salary: \$558.78
Assist with emergency and surgical procedures. Responsible for medical treatments; manufacture, compound, dispense and administer prescriptions. Evenings and weekends.
Requirements: Associate's or equivalent in animal health technology required. NYS licensure (or eligibility) required. 2 years experience as A.H.T. and experience working with large animals preferred.

Technician, GR21 (T7511) Diagnostic Laboratory-Statutory Minimum Biweekly Salary: \$582.29
Perform microbiological and immunological tests on specimens as requested by clinicians to aid in the diagnosis of infections in animals and humans.
Requirements: Bachelor's or equivalent in clinical microbiology. ASCP or MLT license desirable. Basic lab skills with emphasis on clinical microbiology and some immunology. Minimum of 1 year experience in a clinical lab performing diagnostic procedures in bacteriology and immunology.

Technician, GR21 (T7408) Vegetable Crops-Statutory Minimum Biweekly Salary: \$582.29
Provide research support in muckland vegetable program. Conduct field, greenhouse and laboratory experiments, analyze data, maintain equipment, prepare reports, maintain lab and prepare library research reports. Travel required.
Requirements: Bachelor's or equivalent in biological or agricultural science required. NYS certification for commercial pesticide use essential. Minimum 2 years experience in field research. Able to operate farm; equipment, use and handle pesticides operations, and equipment repair.

Technician, GR21 (T7404) Diagnostic Laboratory-Statutory Minimum Biweekly Salary: \$582.29

Perform a variety of serological tests, including virus neutralization, complement fixation and agar gel immunodiffusion. Process clinical specimens and perform fluorescent antibody and viral isolation procedures and other lab procedures. Prepare media and other solutions.
Requirements: Bachelor's or equivalent in microbiology, biology or related field. 2 years work experience desired. Good sterile techniques, basic microbiology techniques required.

Communications Technician II, GR22 (T7704)

Network Resources/CIT-Endowed
Minimum Biweekly Salary: \$607.04

Assemble, test and install Local Area Networks and computer networking equipment. Monday-Friday with occasional overtime, 2nd and 3rd shift and weekends.

Requirements: Associate's or equivalent in electronics or electromechanics with 1-3 years of relevant experience required. Good interpersonal, organizational and time management skills, as well as accuracy and attention to detail required. Some familiarity with data communications preferred.

Technician, GR22 (T7604)

Pharmacology-Statutory
Minimum Biweekly Salary: \$607.04

Carry out physiological, biochemical, and pharmacological studies on control of insulin release (study group: rats and mice). This includes the preparation of solutions, perfusion of tissue, enzyme assays, analysis of cell constituents, radioimmunoassay, calculation of data and the use of a variety of scientific equipment.

Requirements: Bachelor's or equivalent in biochemistry, biology, or neurobiology preferred. 2-3 years laboratory and related experience.

Technician, GR22 (T7508)

Food Science-Statutory
Minimum Biweekly Salary: \$607.04

Coordinate operations of sensory testing facility including taste panel scheduling, sample preparation, data collection, tabulation and analysis.

Requirements: Bachelor's or equivalent in Food Science, Psychology or related field. Minimum 2-3 years related experience. Knowledge of basic statistics and chemistry lab experience or coursework needed. Familiarity with Macintosh computers. Excellent interpersonal skills required.

Technical Off Campus

Technician, GR18 (T7716)

Equine Drug Testing-Vernon Downs-Statutory
Minimum Biweekly Salary: \$513.94

Perform routine analysis of horse blood and urine in a field lab at Vernon Downs, NY. Assist lab director as needed. Saturdays, Sundays, included. 1:30 p.m.-10:00 p.m. daily.
Requirements: Associate's in chemistry or equivalent lab experience. Experience in thin layer chromatography and general laboratory procedures.

Technician, GR20 (T7701)

Equine Drug Testing-Saratoga-Statutory
Minimum Biweekly Salary: \$558.78

Perform analysis of blood and urine in a field drug testing lab at Finger Lakes Race Track. Routine record keeping and laboratory maintenance. Assist laboratory director as needed.

Requirements: Associate's or equivalent in chemistry, medical lab technology or related field. Experience with thin layer chromatography and familiarity with HPLC.

Technician, GR20 (T7708)

Plant Pathology-Geneva-Statutory
Minimum Biweekly Salary: \$558.78

Design and implement laboratory and greenhouse research on bacterial and fungal pathogens of fruit crops. One year. Continuation pending availability of funding.
Requirements: Bachelor's or equivalent in biology, microbiology or plant science. Valid NYS driver's license. 1-2 years experience required in sterile techniques for culturing of bacteria and fungi, preparation of culture media, dilution plating and isolation of micro-organisms from plant material. Experience in isolating bacterial DNA, gel electrophoresis, mating of bacteria, Southern analysis and colony hybridization and ELISA desirable.

Technical Part-time

Technician, GR18 (T7712)

Poultry and Avian Sciences-Statutory
Minimum full-time equivalent: \$513.94

Independently perform basic analytical work related to nutritional studies; assist in milling experimental feeds; setup animal experiments.

Requirements: Associate's or equivalent in chemistry preferred. 1-2 years experience in conducting chemical analysis related to nutritional studies. Experience working with common analytical instruments of a nutrition laboratory (proximate analysis, measurement of minerals in biological specimens, working with bomb calorimeter spectrophotometer, atomic absorption). Able to lift 80-100 pound feed bags.

Animal Technician, GR18 (T7203, T7204)

Veterinary Microbiology-Statutory
Minimum full-time equivalent: \$513.94

Provide care (feed, water, clean and monitor) for small research animals (canines and rodents) following strict protocols for sterile or disease control environments and regulations for animal welfare. Assist Vets in treating and vaccinating animals. 24 hours per week (weekend and holiday work required).

Requirements: High School diploma or equivalent. Some related coursework preferred. 1 year related experience. Knowledge of a variety of laboratory animals and animal breeding required.

Technical Temporary

Part-time Technician (T7608)

Vet Physiology

Assist in cloning genes from cattle, including DNA isolation, construction of genomic libraries, and southern hybridizations. Responsible for preparing media, keeping inventory of supplies, washing glassware and maintaining lab area. 20 hours per week with possibility of occasional weekends. 6-12 months.

Requirements: Background in biology or biochemistry and experience in recombinant DNA techniques.

Casual Technical Assistant (T7412)

CIT

Assist with maintaining local area networks; provide software and occasional hardware support for Macintosh and IBM personal computer systems. Other duties as assigned. Monday-Friday, 8 a.m.-12 noon.

Requirements: High School diploma or equivalent. Familiarity with the operation of Cornell mainframes, IBM PC's and Macintosh systems. Able to install application software on IBM and Macintosh personal computers. Send cover letter and resume to Bill Webster.

Office Professionals

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

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

Cashier, GR15 (C7702)

Dining Services-Endowed

Minimum Biweekly Salary: \$460.20

Transact cash and credit sales; operate cash register. Other duties as assigned.

Requirements: High School diploma or equivalent. Minimum 6 months related experience. Basic reading and computation skills. Good interpersonal and communication skills required.

Office Assistant, GR16 (C7611)

JGSM-Endowed

Minimum Biweekly Salary: \$477.46

Provide general clerical support to the Director and all members of the JGSM Computer Services Department. Process invoices and all other department vouchers; maintain files; handle mail; answer telephones; type correspondence. Other duties as assigned.

Requirements: High School diploma or equivalent. Some related office experience. Good organizational, interpersonal and communication skills. Medium typing.

Office Assistant, GR17 (C7604)

Controller's/Accounting-Endowed

Minimum Biweekly Salary: \$495.36

Perform miscellaneous clerical duties and act as receptionist for Controller's Office at East Hill Plaza. Responsibilities include light typing; sort mail; answer phones; assist in data entry. Duties as assigned.

Requirements: High School diploma or equivalent. Some business or secretarial training desired. Able to interact well with all levels of personnel in and outside the University. Demonstrated organizational and communication (oral) skills.

Senior Stacks Assistant, GR18 (C7715)

Access Services-Endowed

Minimum Biweekly Salary: \$513.94

Under the direction of the Administrative Supervisor for Collection Management, maintain the book stacks of the library; responsible for shelving a large volume of materials; process incoming serials on a daily basis and enforce library policies on assigned floor; staff security desk on a regularly assigned basis; open and close the building on assigned days.

Requirements: Some college coursework. Must be able to work independently with a minimum of supervision. Experience with academic libraries. Strong organizational and interpersonal skills. Work well under pressure.

Office Assistant, GR18 (C7716)

Academic Programs-Statutory

Minimum Biweekly Salary: \$513.94

Provide clerical support in an active, service-oriented office. Produce monthly job bulletin on IBM PC; assist students, alumni, faculty, and employers in person and by phone.

Requirements: High School diploma or equivalent. Associate's or equivalent preferred. 1 year related office experience preferred. Strong organizational, interpersonal, and communication skills. Basic micro-computer skills. Enjoy assisting others especially students. Very busy office. Heavy typing.

Office Assistant, GR18 (C7720)

Neurobiology and Behavior-Statutory

Minimum Biweekly Salary: \$513.94

Serve as the Bio. Sci. 101-104 contact person for both student and other members of the Cornell community with course related business and all staff members requesting assistance. Prioritize and complete office tasks; oversee part-time secretary's duties; desk-top publish course related material and correspondence. Familiar with office ordering procedures.

Requirements: High School diploma or equivalent. Minimum 1 year related experience. Familiar with word processing. Medium typing.

Research Aide, GR18 (C7722)

Laboratory of Ornithology-Endowed

Minimum Biweekly Salary: \$513.94

Create and analyze computerized records for the Bird Population Studies Program by editing data, organizing computerized data records, and running data through analysis programs. Handle written and oral correspondence.

Requirements: Associate's or equivalent in biological sciences. Knowledge of birds preferred. Computer skills required, ability to use P.C.; work with mainframe helpful, work with statistics and programming helpful. Must be able to work well independently and be well organized; light to medium typing.

Senior Records Assistant, GR18 (C7710)

Mann Library-Statutory

Minimum Biweekly Salary: \$513.94

Responsible for organizing the project to convert into machine-readable form the bibliographic and holdings information associated with inactive serials; plan and coordinate the workflow of student assistants. Until 6/30/90.

Requirements: High School diploma or equivalent with 1-2 years library experience or Associate's preferred. Good clerical skills and an ability to do detailed work accurately

and quickly. Previous experience in technical services, especially work with serials, highly desirable. Strong organization skills. Medium typing.

Secretary, GR18 (C7605)

A&S Dean's Office-Academic Advising-Endowed

Minimum Biweekly Salary: \$513.94

Provide administrative and clerical support for two assistant deans. Answer student and faculty questions regarding college policies; maintain admission files for transfer students; compile statistics regarding student progress; plan and schedule meetings and special events; type correspondence and texts for publications and mailings.

Requirements: High School diploma or equivalent; some familiarity with college setting desirable. Minimum 1 year related work experience. Good interpersonal and communication (oral and written) skills. Experience with word processing and microcomputers. Ease with varied responsibilities. Ability to work under pressure and be flexible. Medium typing.

Secretary/Staff Assistant, GR19 (C7407)

Career Center-Endowed

Minimum Biweekly Salary: \$535.78

Provide all administrative and secretarial support for two career advisors in the area of Arts and Sciences and preprofessional advising, including job hunting workshops; alumni programs; Graduate School Days; booklets and special publications.

Requirements: High School diploma or equivalent. Associate's or equivalent desired. Minimum 2 years related office experience. Excellent organizational skills and attention to detail. Prefer computer skills, i.e., word processing. Medium typing. Position will remain open until a suitable candidate is found.

Information Specialist, GR19 (C7306)

Career Center-Endowed

Minimum Biweekly Salary: \$535.78

Provide support in the area of career library resources; assist the Library Coordinator in the day-to-day responsibilities of collecting, cataloging, and disseminating a vast array of career information.

Requirements: Associate's or equivalent. Macintosh word processing skills essential. Organizational ability. Strong communication (written and oral) skills. Attention to detail important. Knowledge of Cornell highly desirable. 1 year related experience. Medium typing.

Administrative Secretary, GR19 (C7610)

Judicial Administrator-Endowed

Minimum Biweekly Salary: \$535.78

Provide receptionist secretarial support. Type; answer telephones; handle and update confidential files; attend and record hearings; make appointments; greet visitors; handle payroll and other vouchers; type hearing board decisions and synthesis of hearings.

Requirements: High School diploma, AAS or equivalent preferred. Minimum 2 years secretarial experience. Familiar with University. Strong communication and interpersonal skills. Medium typing.

Accounts Coordinator, GR20 (C7712)

Finance and Business Services-Statutory

Minimum Biweekly Salary: \$558.78

Perform all duties related to Diners Club Corporate Credit Card Program for Statutory employees. Additions, deletions, questions, etc.; monitor accounts receivable customer accounts, including personal contact by phone and letter with customers and departments; prepare journal entries or vouchers for various charges and accounts receivable adjustments.

Requirements: Associate's or equivalent. Minimum 2 years experience in university accounting preferred. Accounts receivable and personal computer experience desirable. Strong communication and interpersonal skills necessary. Light typing.

Secretary, GR20 (C7721)

Pharmacology-Statutory

Minimum full-time equivalent: \$558.78

Medical and scientific secretary for department. Use of Macintosh computer; edit documents; prepare medical arts; receptionist support as needed. Other duties as needed.

Requirements: Associate's or equivalent in medical/scientific secretarial science. Minimum 2 years related experience. Medical and scientific terminology. Experience in word processing and computers. Grant proposals (typing and processing). Must be proficient in typing, spelling, and grammar. Heavy typing.

Administrative Aide, GR20 (C5812)

University Development-Endowed

Minimum Biweekly Salary: \$558.78

Assist the Associate Director of the Cornell Fund by providing administrative support and coordinating operational and logistical support among the regional, college, public affairs and central annual fund offices. Manage work-flow; research and prepare complex gift and profile reports; prioritize and prepare all incoming and outgoing correspondence; draft correspondence; coordinate mass mail, printing, and word processing. Handle confidential correspondence.

Requirements: Associate's or equivalent. Minimum 2-3 years related experience. Excellent organizational, communications and interpersonal skills. Ability to handle confidential information. Ability to prioritize assignments and work under pressure. Experience in office management and computers. Knowledge of Cornell desirable. Medium typing.

Circulation/Reserve Supervisor, GR21 (C7714)

JGSM Library-CUL-Endowed

Minimum Biweekly Salary: \$582.29

Oversee circulation/reserve operations under general direction of Head Librarian. Supervise and train regular staff; coordinate daily operations in public service areas and monitor workflow; participate in establishing circulation/reserve policies and procedures and ensure their implementation; interpret library policy; manage student assistant employment program. Other duties as assigned.

Requirements: Associate's or equivalent. Bachelor's or equivalent preferred. Supervisory experience. Familiar with microcomputers. Demonstrated ability to work independently and strong administrative skills. Strong communication, interpersonal and organizational skills.

Administrative Aide, GR21 (C7707)

CHESS-Endowed

Minimum Biweekly Salary: \$582.29

Coordinate operations between the outside scientific community and the CHESS staff. Receive and process proposals submitted to CHESS; schedule beam-time, set up meetings and coordinate the programs and accommo-

dations for CHESS visitors.

Requirements: Associate's or equivalent experience. Minimum 2-3 years related experience. Excellent organizational, communication (written and oral) skills very important. Computer experience helpful. Medium typing.

Administrative Aide, GR21 (C7603)

Diagnostic Laboratory-Statutory

Minimum Biweekly Salary: \$582.29

Responsible for all college and state accounts including order and voucher processing. Post accounting system; reconcile to F&BS records, report balances and account activity and adjusting errors, serve as main personnel contact for the department, maintain all personnel records and process all personnel requisitions, appointments and terminations. Assist in annual inventory.

Requirements: Associate's or equivalent. Minimum 2-3 years experience with statutory accounting. Light typing.

Administrative Aide-Legal, GR22 (C7606)

University Counsel-Endowed

Minimum Biweekly Salary: \$607.04

Provide administrative assistance to staff lawyer. Some bookkeeping; maintain filing system; prepare legal documents, memoranda and correspondence.

Requirements: Associate's in business or equivalent experience in law preferred. Minimum 3 years work experience in law and/or administration (law office preferred). Experience in litigation matters, memory typewriters and Apple Mac PC very helpful. Excellent secretarial skills. Confidentiality. Heavy typing.

Office Professionals Part-Time

Office Assistant, GR15 (C7206)

Veterinary Medical Teaching Hospital-Statutory

Minimum full-time equivalent: \$460.20

Work with weekend hospital census package and other medical record computer programs; check in records from the Small Animal Clinic on a daily basis; file laboratory reports and record on a daily basis; pull medical charts for research; assist doctors in finding records and ready records for microfilm. Monday-Friday, 2 p.m.-6 p.m., Saturday, 8 a.m.-12 noon. Must be willing to work holidays.
Requirements: High School diploma or equivalent. Good organizational, interpersonal and communication skills. Light typing. Send cover letter and resume to Esther Smith.

Office Assistant, GR16 (C6811)

Athletics-Endowed

Minimum full-time equivalent: \$477.46

Assist in daily operation of Indoor Tennis Courts. Work with court reservation system, daily sales reports and deposits, oversee part-time and student employees; customer relations.

Requirements: High School diploma or equivalent. Minimum 1 year successful experience in cash handling, record keeping and supervision. Must have proven ability to work well with the public. Monday-Friday, 9:00 a.m.-3:30 p.m. 8 month position. Light typing. Send cover letter and resume to Esther Smith.

Office Assistant, GR17 (C7711)

Agricultural and Biological Engineering-Statutory

Minimum full-time equivalent: \$495.36

Assist Cornell Local Roads Program (CLRP) staff by registering workshop applicants, distribute publications, respond to telephone inquiries, type letters and reports. May involve travel to workshops in NYS 3-6 times per year. Monday-Friday, 20-24 hours per week.

Requirements: High School diploma or equivalent is required. Some college desirable. A valid NYS driver's license. Minimum 1 year office or related experience. Proficiency in Wordperfect required.

Office Assistant, GR17 (C7216)

Music-Endowed

Minimum full-time equivalent: \$495.36

Act as stage manager for Barnes Auditorium. Train and supervise student ushers; coordinate tuning and moving of department instruments; setup department events (classrooms and auditorium); prepare monthly calendar of events for distribution; arrange for concert recordings. Light typing. 20 hours/week; 10 regular days/10 irregular evenings. 9.5 months appointment/year

Requirements: Music interest helpful but not necessary. High School diploma or equivalent. Knowledge of music and musicianship. Excellent public relations skills. Experience in a concert giving environment and knowledge of related practices, including recording concerts. Good decision making ability. Send cover letter and resume to Esther Smith.

Office Assistant, GR17 (C7213)

East Asia Program (Asian Studies)-Endowed

Minimum full-time equivalent: \$495.36

Provide secretarial support to the East Asia Program's Executive Staff Assistant and Administrative Aide. Take charge of the Program's weekly faculty luncheons. Monday-Friday, 4 hours per day. Hours flexible.

Requirements: High School diploma or equivalent. General office skills. Knowledge of IBM computers and wordperfect. Light typing. Send cover letter and resume to Esther Smith.

Accounts Assistant, GR18 (C7709)

Rural Sociology-Statutory

Minimum full-time equivalent: \$513.94

Prepare for payment all vouchers, requisitions, purchase orders for processing and payment through Cornell; reconciliation of all telecommunication entries; order department supplies and maintain supply inventory; equipment inventory. Other duties as assigned. 20 hours per week, mornings.

Requirements: High School diploma or equivalent. 1 year related experience with Cornell accounting system. Knowledge of Lotus 123. Light typing.

Administrative Secretary, GR20 (C7607)

Physics-Endowed

Minimum full-time equivalent: \$558.78

Provide administrative support; assign faculty advisors and maintain records for Physics Majors; arrange for and publicize weekly colloquia; type technical course work and lab manuals; receptionist; collect and catalogue reprints; operate offset press (training provided).

Requirements: Associate's or equivalent. Minimum 2-3 years previous experience. Excellent secretarial, organizational and interpersonal skills. Ability to set priorities and work independently and as part of a team. Experience with Macintosh and m/s word preferred. Medium typing. Monday-Friday, 5 hours per day, 25 hours per week.

Jobs Continued from page 3

Senior Night Supervisor, GR20 (C7608)
Uris Library-Endowed
Minimum full-time equivalent: \$558.78
Oversee the operation of circulation and reserve desks and responsible for building during evening hours. Supervise the work of student assistants; assist with routine desk duties as needed; make regular rounds of building; answer questions and handle problems.
Requirements: Associate's or equivalent. Some related experience preferably in an academic setting. Minimum 1-2 years related experience. Ability to work well with a variety of people in a public setting in a supervisory capacity and work under pressure. 25 hours per week. 5 p.m.-Midnight.

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.

Secretary/Statistical Typist (S7701)
Nutritional Sciences/CFNPP-Statutory
Provide secretarial support in the areas of data entry and statistical typing. Until the end of summer.
Requirements: High School diploma or equivalent. Experience in data entry and statistical typing essential.

Secretary (S7601)
Language House Program-Endowed
Type correspondence, reports and agendas, answer phone; process Language House applications and accounting forms.
Requirements: Associate's or equivalent in secretarial science. Strong emphasis on organizational, communication, secretarial skills; flexibility, independent worker, ability to relate well to students. Medium typing. Send cover letter and resume to Karen Raponi.

Office Assistant (S7207)
Clinical Sciences-Statutory
Data entry of information gathered in study of avian diseases.
Requirements: High School diploma or equivalent. Data entry experience. Typing 60 wpm. Approximately 3 months, Monday-Friday.

Office Assistant (S7407)
University Council-Endowed
Computer processing of program registration information and meeting planning details as required. Data entry and manipulation of registration information; daily cash deposits; some meeting room reservation details; proofreading of program materials; final attendees list and statistics, final evaluation report. Other duties as assigned.
Requirements: Data entry and some programming skills. Excellent proofreading, grammar and spelling skills, some conference or meeting planning experience helpful. Good organizational skills. Ability to work under pressure of multiple deadlines. Work flexible, extended hours. Until 10/28. Send cover letter and resume to Karen Raponi.

Office Assistant (S7501)
University Council-Endowed
Implement all meeting planning details as directed by staff

Attention: Empire Plan Enrollees

Empire Plan enrollees who participate in the New York State Prescription Drug Program and who paid for prescription drugs at a participating pharmacy because they did not receive their new Employee Benefit Card on time at the beginning of 1989, can now receive the equivalent of the full payment minus the appropriate copayment for those prescription bills.

Prescriptions purchased at participating pharmacies between January 1, 1989 and February 28, 1989, qualify for this special reimbursement. The cut-off date for filing is September 30, 1989.

For further details, please contact Nancy Zinzola, 5-7995.

for three-day annual meeting event. Process registration information; daily cash deposits; proofreading of all program materials; prepare registration desk book, send confirmation forms; phone contact; contact speakers for AV requirements; gather information on campus activities; prepare final registration packets. Other duties as assigned.
Requirements: Good organizational, proofreading, grammar and spelling skills. Some conference/meeting planning experience helpful. Ability to work under pressure and to work independently with assigned projects. Work flexible, extended hours. Until 10/28. Send cover letter and resume to Karen Raponi.

General Service

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

Food Service Worker, SO01 (G7701)
Dining-Endowed
Hiring Rate: \$5.75
Set-up, display and serve food and/or beverage. Check Co-op dining cards for validity and make sale transactions by cash or credit card. Shift subject to change.
Requirements: Knowledge of food preparation and presentation preferred. Good customer relation skills. Basic reading and computation skills required.

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.

Custodian, SO02 (G7101)
Buildings Care-Statutory
Hiring Rate: \$6.00
Provide general custodial care of buildings and grounds in immediate vicinity of assigned area. Sunday-Thursday, 11:00 p.m.-7:30 a.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 (G7603)
Buildings Care-Statutory
Hiring Rate: \$6.00
Provide general custodial care of buildings and grounds in immediate vicinity of assigned area. Sunday-Thursday, 11:00 p.m.-7:30 a.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, SO03 (G7706-G7710)
Statler Hotel-Endowed
Hiring Rate: \$6.28
Maintain highest standards of cleanliness in hotel guestrooms. Shift subject to change. Some evenings and weekends.
Requirements: Basic reading and writing skills; good verbal communication skills. Minimum 1 year housekeeping experience desirable. Able to lift 50 pounds and climb an 8 foot ladder.

Assistant Cook, SO06 (G7704)
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.

Cook, SO09 (G7711)
Statler Hotel-Endowed
Hiring Rate: \$8.29
Responsible for the production of hot foods for hotel food outlets and banquets. Some nights and weekends.
Requirements: High School diploma or equivalent. Associate's or equivalent from culinary institute preferred. Minimum 2-4 years experience in quality food preparation in high volume setting.

General Service Part-time

Dish Machine Operator, SO02 (G7702, G7703)
Dining-Endowed
Hiring Rate: \$6.00
Wash dishes, utensils, pots and pans. Stock assigned areas. Shift subject to change. 30-32 hours per week.
Requirements: Ability to learn proper use of dishwashing equipment and cleaning agents. Able to lift 35 pounds.

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.

Groundsworker (B6001)
Grounds
Assist grounds maintenance staff in landscape maintenance and construction, including planting, mowing, weeding, mulching, watering, fertilizing, pruning, policing of grounds, maintenance of equipment and maintenance of walls, steps and fences. Monday-Thursday, 7-3:30; Friday, 7-2:20.
Requirements: High School diploma or equivalent. Valid driver's license. Must be able to lift 100 pounds and willing to work outside during all weather conditions. Out of doors experience necessary. Apply to Staffing Services, 160 Day Hall.

Casual Animal Technician (B6701)
Baker Institute
Hiring Rate: \$5.00
Provide weekend and holiday care and feeding of beagles under very strict isolation condition (shower in and out). 8-10 hours per week.
Requirements: Animal handling experience preferred. Able to lift 100 pounds with assistance. Pre-employment physical required. Send application materials to Staffing Services, 160 Day Hall.

Materials Handler (S7502)
Veterinary Administration-Statutory
Hiring Rate: \$6.00
Receive materials for incineration and keep appropriate

records. Assist with incinerator operations. Approx. 20 hours/week. Part-time temporary 2-6 months.
Requirements: High School diploma or equivalent. Able to lift 50 pounds. Will be in contact with hazardous waste. Contact Karen Raponi-607-255-2192.

Boyce Thompson Institute

Part-time Librarian
Boyce Thompson Institute
Salary: Commensurate with training and experience.
Complete responsibility for operation of small (approximately 4,000 volumes) plant-science oriented library. Involves ordering, processing, cataloguing of serials, monographs, and some government publications; requesting interlibrary loans for Cornell libraries and off-campus libraries; maintain subscriptions for approximately 125 journals; circulation of books and journals; check of literature citations. Five hours per day.
Requirements: MLS or equivalent experience. Ability to interact with scientific staff and assist them in meeting their library needs. Moderate typing ability required. Familiarity with computerized library operations. Familiarity with Cornell libraries system helpful. Contact Dr. D.C. Torgeson, 607-254-1234.

Center for Religion, Ethics and Social Policy

Financial Manager
Center for Religion, Ethics and Social Policy
Salary: \$17,500
Financial Manager for CRESP, a large non-profit organization.
Requirements: Associate's or equivalent plus 2 years full-charge bookkeeping experience. IBM literacy. People of color are particularly encouraged to apply. Send resume and three references (no calls) by August 1 to CRESP, Anabel Taylor Hall, Ithaca, NY 14853.

Academic

Research Associate III (CA05)
Agricultural Economics
Develop, conduct research on the economics of generic advertising. Develop information useful to industry and government personnel in evaluating the efficacy and efficiency of current farm-funded promotion programs; conduct research which leads to better understanding of consumer demand and generic advertising, and publish in professional journals.
Requirements: PhD in agricultural economics or consumption economics or closely related field plus strong skills in quantitative methods and economic analysis. Send letter, vita and the names of three references to Olan D. Forker, 254 Warren Hall, Cornell University, Ithaca, NY 14853 by September 15, 1989.

Chemistry Lecturer
Learning Skills Center
Lecturer for the 1989-90 academic year.
Requirements: Master's in chemistry or science education (chemistry concentration) preferred or experience teaching chemistry to college students. Apply to William Collins, Learning Skills Center, 375 Olin Hall, Cornell University, Ithaca, NY 14853.

Cornell Employment News

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Telephone: Human Resources (607) 255-5226
Office of Equal Opportunity (607) 255-3976

Select Benefits Claim Schedule for 1989

If you wish to submit current 1989 bills for reimbursement from a medical care or dependent care reimbursement account, the following are deadlines for each biweekly period.

The dates are listed for your information only. You do not have to submit your bills on a particular date but all bills have to be submitted for reimbursement either by the end of the 1989 plan year or during the 3-month grace period in the new plan year (January, February, or March, 1990.)

7/21/89	9/15/89	11/10/89
8/04/89	9/29/89	11/21/89
8/16/89	10/13/89	12/08/89*
8/31/89*	10/27/89	12/19/89

*Early deadlines due to Labor Day, Thanksgiving and Christmas.