

Cornell CHRONICLE

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Patents and licensing

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THEATRE CORNELL

1989-90 season

Empire State
Games
supplement



A HORSE IN A HURRY — Equestrian student Nora Aubert is taken for a ride by her thoroughbred race horse Nicholas, who boards at Cornell's Equestrian Center on Pine Tree Road. After bolting across the meadow behind the stable, the pair are escorted back to the near end of the field, at right, by her teacher, Ginny Sirois, riding Sunchaser, left, and fellow student Jay Savage, riding Zorro. Sirois is manager of the equestrian center, which offers lessons to students, faculty and staff.

Photos by Chris Hildreth



Farm-disease conference attracts 150

The Seventh International Conference on Production Disease in Farm Animals, which opened on Tuesday, has brought together nearly 150 experts to discuss growth hormones, fertility, immune status, digestive abnormalities and biotechnology.

"Metabolic diseases of farm animals are responsible for half the loss in production due to disease," said Dr. Francis A. Kallfelz, professor of veterinary physiology and clinical sciences who was chairman of the conference organizing committee.

Metabolic diseases, such as milk fever and ketosis in cattle, are caused by chemical imbalances in the animals' bodies rather than by infectious agents, he explained.

"There has been a tremendous increase since the 1986 international conference in our knowledge of the incidence, course, outcome and prevention of production disease," Kallfelz said. "There's also significant new information on the role of metabolic modulation as a mechanism for increasing productivity."

A session on the effects of growth hormones scheduled to be held today, the last day of the conference, is expected to be of particular interest, he noted.

The conference had scheduled 80 talks and poster presentations on topics from mineral imbalances, epidemiology and animal behavior to the socioeconomic impacts of biotechnology.

Attending the conference are university veterinarians and animal scientists as well as researchers from industry and government institutions in South America, Italy, Netherlands, Denmark, Sweden, the United Kingdom, Australia, New Zealand, Canada and the United States.

Primary sponsors are the Colleges of Veterinary Medicine and of Agriculture and Life Sciences; 16 corporate sponsors are providing additional support.

—Roger Segelken

Historian wins MacArthur 'genius award' for recording role of women in science

The ink was still drying on Margaret W. Rossiter's Ph.D. in 1972 when she idly flipped through the reference work "American Men of Science" and noted a discrepancy that led her to path-breaking research, an acclaimed book and, as of last week, a MacArthur "genius award."

That discrepancy was this: "American Men of Science" was running six-inch biographies of eminent men and one-half-inch write-ups of women, few that there were.

The young historian wondered why the women who earned doctorates and made important contributions to science were practically invisible to the history of science. She went looking for women scientists, despite warnings she would find little beyond Madame Curie.

Her persistent research produced a book some said would never be published, "Women Scientists in America: Struggles and Strategies to 1940." The book has earned her several modest awards. Last week came the big pay-off, a five-year, \$280,000 MacArthur Fellowship, the so-

called "genius award."

Rossiter, a visiting professor in the Program in the History and Philosophy of Science and Technology, is the fourth Cornell faculty member to hold a MacArthur Fellowship since the prize was established in 1981. The others are Archie Ammons, the Goldwin Smith Professor of Poetry; Henry Louis Gates Jr., the W.E.B. DuBois Professor of Literature who received the prize before coming to Cornell; and Mitchell Feigenbaum, a Cornell physicist when he won the prize and who now is at Rockefeller University.

Two of the 1989 MacArthur Fellows studied at Cornell. They are George Davis, executive director of the Commission on the Adirondacks in the 21st Century, and Jay Cantor, an English professor at Tufts University and author of "Krazy Kat: A Novel in Five Panels."

The John D. and Catherine T. MacArthur Foundation cited Rossiter for "accomplishments in the history of science which demonstrate your originality, dedication to crea-

tive pursuits, and capacity for self-direction."

Now that she is labeled a "genius," Rossiter joked, she had better do a third revision of her next book, a history of women in science from 1940 through 1970. Although the MacArthur Fellow designation carries no obligation "to report on your work or obligations of any kind," Rossiter said she feels some pressure "to make new discoveries I wouldn't make otherwise," including "at least one on the way to the bank."

In her research for "Women Scientists in America," Rossiter discovered that most of the women scientists were not at the great research institutions. Instead, she found great astronomers at Vassar, notable biologists at Bryn Mawr and important chemists at Mount Holyoke.

"History may never have heard of these women, but their colleges were proud of them," Rossiter said. The small colleges eagerly opened their archives to her and the women scientists came to life through the

Continued on page 8



Chris Hildreth

Margaret W. Rossiter

Briefs

■ **Drug plan reimbursements available:** Statutory employees who had prescriptions filled under the New York State Prescription Drug Program between Jan. 1 and Feb. 28, before they had received their new Employee Benefit Card for 1989, can obtain full reimbursement under the criteria of the Empire Plan for those expenses. The filing deadline for the special reimbursement is Sept. 30. For more details, contact Nancy Zinzola at 255-7995.

■ **English as 2nd language:** No openings for employees are anticipated in the fall term of the Department of Modern Languages and Linguistics' heavily subscribed course in English as Second Language. Employees wishing to take the course in the spring may contact Marilyn Martin at 255-0713 to arrange for an English Placement Test to be given next January for the spring term course.

Notables

Geologist **Suzanne M. Kay**, a senior research associate in the Department of Geological Sciences, will conduct research at the University of Buenos Aires in Argentina on a Fulbright Scholar Grant from August through February. She will study the origin of salts in the Patagonian Plateau and their implication for the evolution of Earth's crust and mantle. A researcher at Cornell since 1976, Kay holds a B.S. degree from the University of Illinois, Urbana, and Ph.D. from Brown University.

Clarification

An item in the Notables column of the July 13 Cornell Chronicle identified Norman R. Scott as director of research at the College of Agriculture and Life Sciences. Scott held the Agriculture College post until July 1, when he succeeded Joseph M. Ballantyne as Cornell's vice president for research and advanced studies.

An article in the same issue about a cost-saving idea that won a prize in the annual contest sponsored by the National Association of College and University Business Officers mentioned only one person at Cornell: Roxanne Bahar, associate director of athletics, who submitted the idea to NACUBO on behalf of the Department of Athletics. In fact, it was Al Gantiert, associate director of athletics for physical education and recreation, who came up with the idea.

Chronicle schedule

The next issue of the Cornell Chronicle will be published on Aug. 10. Calendar and other items should be sent to arrive at the News Service, 840 Hanshaw Road, (via campus mail) by Aug. 1. The following issue will be on Aug. 31, and the submission date for that issue is Aug. 21.

U. of Tenn. executive named to key communication post

Donald R. Eastman, executive assistant to the chancellor and executive director of university communications at the University of Tennessee, has been named Cornell's executive director of university communications.

The appointment, which takes effect in late August, was announced by John F. Burness, Cornell's vice president for university relations, following a six-month national search.

As Cornell's executive director of communications, Eastman will be Burness' principal deputy with responsibility for coordinating and supervising five administrative offices with universitywide communications and public relations responsibility — the Offices of Communications Strategies, Publications Services and University Photography, the News Service and the Information and Referral Center. He will serve on the executive staff of the university.

"Don Eastman's broad experience with virtually every aspect of the life of a major land grant university will be invaluable in this leadership of key universitywide offices with responsibility for communicating with Cornell's many publics," Burness said.

"I am confident that he will play a major role in enhancing public recognition of the quality and contributions of our faculty, students and programs," he said.

Eastman said Cornell's merger of the Ivy League with the practical land-grant tradition makes it "the most exciting community of scholars in America, one I am delighted to be joining."

In addition to managing a wide range of

communications functions for the chancellor and central administration of Tennessee's land grant university, Eastman, who holds a Ph.D. in English, has taught English and humanities courses, and has published poetry and essays.

Since 1979, Eastman, 44, had supervised the offices responsible for university communications and has represented the UT-Knoxville administration to the faculty and academic deans as well as to the press and public.

He was chairman of the university Council on International Education, and he has served on university bodies with responsibility for budget, long-range planning, government relations and development of new academic programs.

He also served as the university's representative with the Consortium of Research Institutions comprising the University of Tennessee at Knoxville, Tennessee Valley Authority, the Oak Ridge National Laboratory and the Oak Ridge Operations Office of the Department of Energy.

His civic involvement includes serving as vice chairman of the City of Knoxville Human Relations Council.

A Virginia native, Eastman received his B.A. degree, magna cum laude, from Tennessee, with majors in philosophy and English, and received his Ph.D. from the University of Florida, where he wrote his dissertation on "The Concept of Character in the Major Novels of D.H. Lawrence."

From 1975 to 1979, he was assistant to the chancellor at Knoxville; from 1972 to 1975, he was executive director of the Flor-



Donald R. Eastman

ida Endowment for the Humanities, serving also as an assistant professor of English and instructor of humanities at the University of Florida.

Eastman is married and has three children, whose baseball and soccer teams he has frequently coached.

Eastman succeeds Irwin M. Chapman who is leaving Cornell on Aug. 1 to join the faculty of Georgetown University. Chapman will hold a new chair in international journalism and will conduct seminars on the news media as a reflection of the larger society.

Barker discusses administrative changes

Cornell's directors and department heads can expect "relatively little direct effect" from high-level administrative changes this fall, but the changes "will affect some of the working relationships with deans," Provost Robert Barker said.

The changes, approved by the Board of Trustees on May 27 and announced at that time (see June 8 Chronicle), will make Barker senior provost and chief operating officer of the Ithaca campus as of Sept. 18, and will make Malden C. Nesheim, currently vice president for planning and budgeting, the new provost. Under the new arrangement, all university executive officers at the Ithaca campus, including those who previously reported to Rhodes, will now report to Barker.

The shifts in responsibilities will allow Barker and President Frank H.T. Rhodes "to focus our attention on a number of critical strategic issues facing the university and to provide President Rhodes with the freedom to spend time away from campus over the next few years, in part to develop long-term plans for development and fund raising," Barker explained in a recent letter to deans, directors and department heads.

Barker's letter supplied some new detail about his relationship with Nesheim, his successor as provost, and it explained some adjustments that will allow Nesheim's for-

mer work to be performed even though "we will not immediately seek to appoint a new vice president."

Nesheim will be responsible for budgets and planning and will meet individually with deans on related matters, while monthly Friday meetings of the academic deans will involve both Nesheim and Barker. Deans' Council meetings will be eliminated to reduce redundancy, but the larger group of deans and senior administrative staff comprising a provost's policy advisory committee will continue its periodic half-day meetings on major issues. The agenda will be set by Nesheim; Barker will attend "as a participant and listener."

To handle Nesheim's current responsibilities to the state-supported colleges "without compromising our relationships with SUNY and the state or losing efficiency," Barker reported two changes:

David L. Call, dean of the College of Agriculture and Life Sciences, will spell Nesheim as chairman of the Statutory Deans' Group, with special help from Nathan Fawcett, director of statutory college affairs, who also will have an "expanded role as the provost's principal staff assistant for statutory affairs."

In addition, the director of statutory finance and business services, John Hartnett, will report to the vice president for finance

and treasurer (to be appointed) instead of to Nesheim; and Joe Metro, director of the Office of Statutory College Facilities, will report to Associate Vice President Paul Griffen instead of to Nesheim. In both cases, Fawcett will serve as a link to the Provost's Office. Nesheim, as provost, will continue to represent the university in matters dealing with the SUNY administration.

Barker will help to fulfill his "principal responsibility" to join Rhodes in addressing high-priority, long-range issues by meeting periodically with individual deans and representatives of various campus constituencies while also acting as chief operating officer.

When Rhodes asked the trustees to permit these temporary organizational changes, he summarized the key strategic issues as completion of the long-range capital planning process, enrollment and financial aid, an extended curriculum review, the relation of specialized centers to the overall academic program, closer coordination of academic programs and support services, faculty and staff compensation and affirmative action efforts, the future of Cornell's role as New York state's land grant university, and resolving financial and facilities problems of the New York Hospital-Cornell Medical Center.

—Sam Segal

Cornell Chronicle

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

Barton Blotter: Electronic scale, other items stolen

A \$600 electronic scale taken from Bradfield Hall was among \$2,944 in cash and property reported stolen on campus, according to the morning reports of the Department of Public Safety for July 10 to 23.

Other thefts included \$300 in traveler's checks and a mountaineering sleeping bag stolen from High Rise No. 5, a \$100 marble slab taken from the Center for Theatre Arts, a \$450 tape recorder and associated equipment stolen from Morrill Hall and a \$200 portable cassette radio player taken from Hollister Hall.

An individual was referred to the judicial administrator on charges of making \$479.09 in unauthorized telephone calls from Teagle Hall. Three parking permits were reported stolen and one false fire alarm was set off.

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

Obituary

George G. Gyrisco

Entomologist George G. Gyrisco, a member of the Cornell faculty from 1947 until he retired in 1985, died July 14 at Tompkins Community Hospital at age 69.

An authority on insects of forage and cereal crops, Gyrisco achieved a national reputation for his programs on the ecology and control of field-crop insects. He was the author of more than 250 publications in his field and served as chairman of the Department of Entomology in the New York State College of Agriculture and Life Sciences in 1962-63.

Gyrisco was born in South Hadley, Mass., received a B.S. degree from Massachusetts State College in 1943 and a Ph.D. from Cornell in 1947.

Survivors include his wife, Valerie, of Ithaca, one daughter, Jill L. Gyrisco of Stroudsburg, Pa., and two sons, Geoffrey M. Gyrisco of Harrisburg, Pa., and Glenn G. Gyrisco of Boston, Mass.

Physicists establish ultimate sensitivity of sound receptors

Scientists have long known that the eye's photoreceptor cells can "see" single photons and that the nose's chemical receptors can "smell" single molecules.

Now, Cornell biophysicists have reported that the transducers in the ear that change mechanical motion or vibration into electrical impulses also can "hear" the ultimate signal — the faint, pervasive noise from spontaneous thermal motion. Thermal motion is the constant, random movement of molecules because of their collisions with one another, produced by their heat energy.

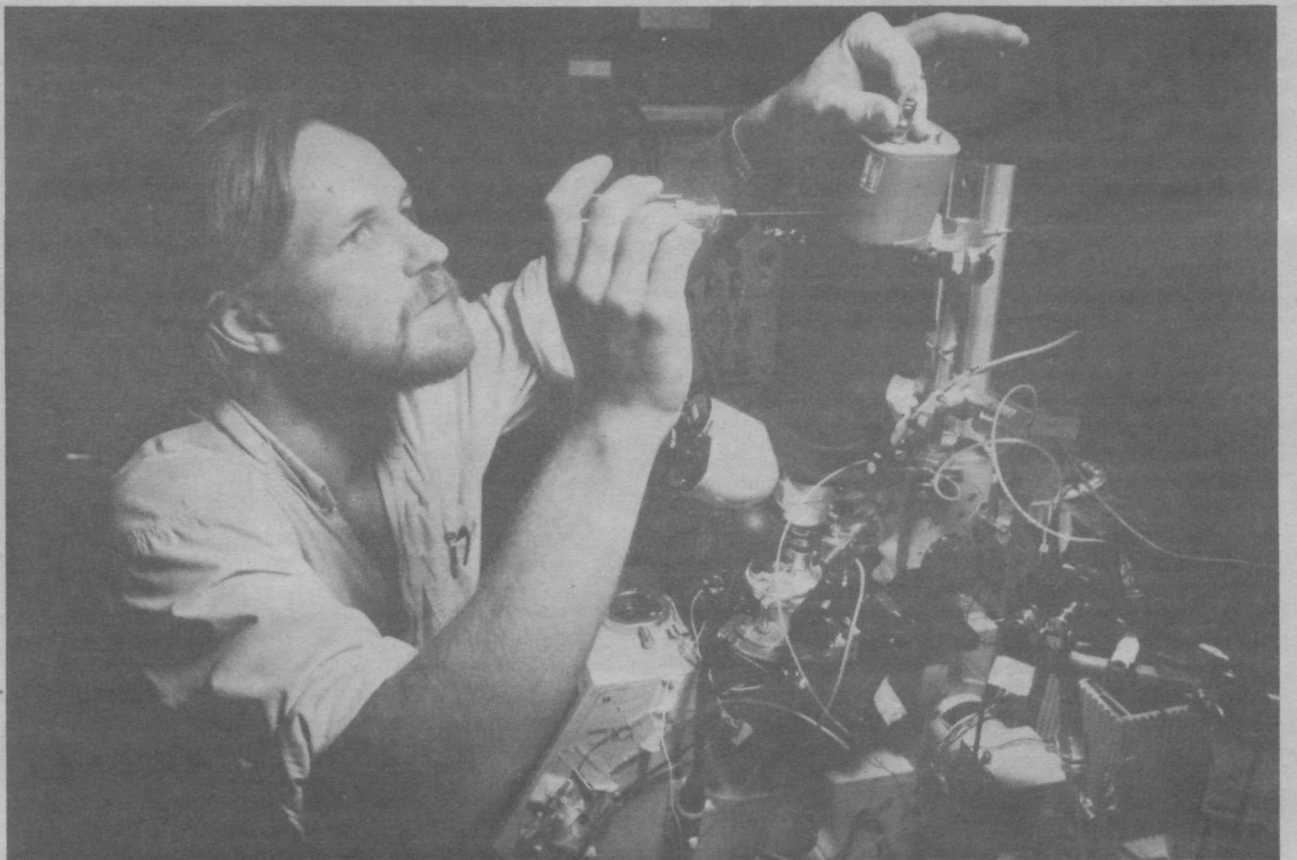
In an article in the July 10 Physical Review Letters, physicists Winfried Denk and Watt Webb report laser studies of receptor cells in the frog's inner ear that establish for the first time the basic sensitivity of such transducers, including those in animals that detect vibrations and those that help humans maintain their balance.

"Until now, we have not really known whether mechanical transducers could detect vibration and motion down to their fundamental limits," said Webb, a professor of applied and engineering physics. "Researchers had always thought these transducers were operating in the right ball park, and now we know they are."

In their experiments, the scientists measured the behavior of the so-called hairbundles found in the inner ear of the frog, which are attached to hair cells used to detect mechanical motion. Such hairbundles are similar to structures in the human ear and are basically alike throughout nature.

The vibration of the tiny hairbundles is changed by the hair cells into an electrical signal. The scientists determined the fundamental limits of the hair cells by simultaneously measuring the spontaneous motion of the hairbundles due to thermal noise and the resulting electrical signals from the hair cells.

To measure the hairbundle motions, Webb and graduate student Denk used a device that they developed called a "laser differential microinterferometer." Capable of measuring motions of 10^{-12} meters within a second — movements far less than the diameter of an atom — the microinterferometer consists basically of two mutually coherent or matched laser beams. The beams are focused on the hairbundles in such a way that movement in the filaments changes how the laser beams interfere with one another. By making optical measurements of the beams, the scientists obtained information about the magnitude and frequency



Chris Hildreth

Graduate student Winfried Denk adjusts the laser system used to measure the tiny movements of "hairbundles" in the ear that change sound and vibration into nerve impulses. Denk and Professor Watt Webb found that such transducers can "hear" the faint, pervasive noise from spontaneous thermal motion.

spectra of the hairbundle motion. The spontaneous motions of the hairbundles were about 10^{-9} meters, or distances of around four atomic diameters.

To measure the resulting output signals from the hair cells, the scientists simultaneously recorded the voltages in the cells using tiny electrodes inserted into them.

Denk and Webb's results showed that the hair cells clearly produced signals that precisely correlated with the spontaneous motion of the hairbundles due to thermal noise.

The scientists also stimulated the hairbundles directly and measured the electrical output, to better study their behavior.

The scientists used a "micro fire hose" to squirt tiny oscillating jets of water at the hairbundles and measured the electrical output of the hair cells. This experiment showed

that the cells precisely transduced this forced hairbundle motion into corresponding electrical signals.

"While we still do not fully understand how this important transducer works at the molecular level, we now possess key information about its abilities," said Webb. "For instance, we know that the energy of mechanical motion is amplified many times in transduction, so that the electrical noise in the cell itself does not affect the process."

The scientists are now mounting studies of the molecular mechanism by which motion is changed into an electrical signal in the cell's membrane. Their work is supported by the National Institutes of Health and was carried out at Cornell's Materials Science Center, which is supported by the National Science Foundation.

—Dennis Meredith

Researchers urged to pursue patenting possibilities

Cornell faculty may be losing out on research funds and even slowing the applications of their research by overlooking the patent possibilities of their discoveries, according to Walter Haeussler, the university's chief patent and technology marketing officer.

Cornell already has lost significant amounts of money on inventions from improved apples to cancer drugs, he said, adding that the university now has enhanced its ability to pursue patents.

"It may surprise faculty how simple it is to assure that such protection is established. A ten-minute phone call as early as possible in his or her research is all we need to advise a faculty member on whether it's premature or timely to consider seeking a patent.

"We hope that faculty will let us help them make the key legal decision about patentability, just as they would let a physician advise them about health problems," he said.

Seeking a patent does not hinder the free and open publication of research results, Haeussler emphasized: "We understand that the purpose of a university is to create and disseminate knowledge, and we know how to make patents and scholarly publications coexist. Our job is to augment the academic pursuits of the faculty."

In fact, the spread of knowledge developed at Cornell may depend critically on the existence of patent protection, Haeussler said.

"No corporation will invest money or deal with regulatory hurdles to bring a technology to market unless it has intellectual property rights protected by a licensing agreement," he said. "For example, the best way to kill the prospects for a new cancer drug is to publish it in the open literature.

"If faculty members really want to benefit the public with their work, they should strongly consider working with our office."

Besides sharing knowledge, patent protection also brings the possibility of enhanced research support, Haeussler said: "With the shrinking federal research dollars, we must look to our own devices for funding, and this includes corporate support."

Under Cornell's current patent policy, inventors receive a personal share of royalties on a sliding scale that begins at 50 percent with the first dollar, down to 15 percent on fees over \$100,000. The inventor's laboratory receives 35 percent of royalties to support research. Multiple inventors share in these percentages.

For fiscal year 1987-88, the Cornell Research Foundation (CRF) — the corporation that holds legal title to Cornell's patents — earned \$1.2 million in royalties, a figure that jumped to about \$2 million in fiscal 1988-89, just ended. In fiscal 1989-90, Haeussler expects the earnings to be \$2.5 million.

Royalties are paid on the basis of carefully crafted agreements that can range from limited licenses to those that cover the entire 17-year life of a patent. For the past two



Chris Hildreth

Walter Haeussler

years, Cornell also has been able to take an equity position in startup companies.

Although Cornell ranks among the top 10 U.S. universities in patent revenue and in the number of patents issued, it still falls far below such leaders as Stanford University and the Massachusetts Institute of Technology, Haeussler noted. These universities typically produce patent revenues several times those of Cornell, even though their total research budgets are comparable.

A principal reason for the jump in revenues in fiscal 1988-89 was a recently announced agreement with E.I. du Pont de Nemours & Co. to license the "gene gun" invented at Cornell. The "gene gun" allows scientists to alter the genetic makeup of plant and animal cells by firing DNA-coated pellets into the cells.

The agreement includes \$2.28 million in royalties and research support for Cornell and inventors John Sanford, an associate professor of horticultural sciences; Edward Wolf,

a professor of electrical engineering; and Nelson Allen, a Research Model Shop supervisor.

Another major patent success for the university was the canine parvovirus vaccines, which have earned Cornell a total of about \$2 million so far.

However, Haeussler said, royalties are only one benefit of patent negotiations: Licensing agreements with corporations also can lead to consulting relationships for faculty to help develop their discoveries and direct corporate support for research.

Haeussler and his colleagues work constantly with corporations to communicate news of Cornell discoveries. Besides heading the CRF, Haeussler also directs the Cornell Office of Patents and Technology Marketing, which handles this outreach program.

One communications tool is the biannual book "Selected Technologies Available for Licensing," which is distributed to some 500 corporations.

The latest edition lists some 170 inventions, including advances in biological reactors, bird feeders, cheese production, improved strawberries, artificial flea-breeding systems, diagnostic tests, cancer drugs, pressure transducers, semiconductor fabrication techniques, tunable lasers and scanning optical microscopes.

However, Haeussler warns corporations that the "hottest technologies frequently do not make the list. They're gone to corporations that have taken the time to establish a working relationship with Cornell."

Thus, he advises corporations to consider such tactics as joining industry consortia with Cornell labs, phoning his office for frequent chats, sending him a wish list of technologies and sponsoring research at Cornell.

Haeussler also appraises corporations of the many other doors into Cornell, including the corporate liaison officers in many individual research units, and the Office of the Vice President for Research and Advanced Studies.

Creativity is often a critical ingredient in fostering industry relationships, Haeussler said, citing as an example a new "seed-fund committee" recently established by a group of alumni to help dig out new technologies that otherwise might be neglected.

The committee, which consists of about 10 alumni who have venture capital connections, is considering funding a representative who will roam the campus seeking promising projects. Once found, the projects can be given development grants or otherwise encouraged toward commercialization.

The CRF will negotiate as usual on behalf of Cornell for any licensing and royalty agreements for the technology, including taking an equity position in startup companies.

"The bottom line in all our efforts is that, even though there are differences in culture between industry and universities, we are ready to find effective solutions to link the two," Haeussler said.

—Dennis Meredith

Elephant communication to conclude summer lecture series

Lectures on elephant communication and new techniques in sports medicine are among the highlights in the final week of Summer Session, from today through Friday, Aug. 4.

Other activities will include classical, jazz and dance concerts, a puppet show and a comedy revue. All events are free and open to the public.

Katharine B. Payne, a research associate in Cornell's Laboratory of Ornithology, will discuss "Elephant Communication" on Sunday, July 30, at 7:30 p.m. in Statler Auditorium.

Dr. Russell R. Zelko, an orthopedic surgeon, will describe "New Techniques and Trends in Sports Medicine" at noon on Thursday, Aug. 3, in Room G-1 of Uris Hall.

Other scheduled events:

- History Professor Mary Beth Norton will conduct a "sandwich seminar" on "Women and the American Revolution" at noon today in Room 213 of Ives Hall.

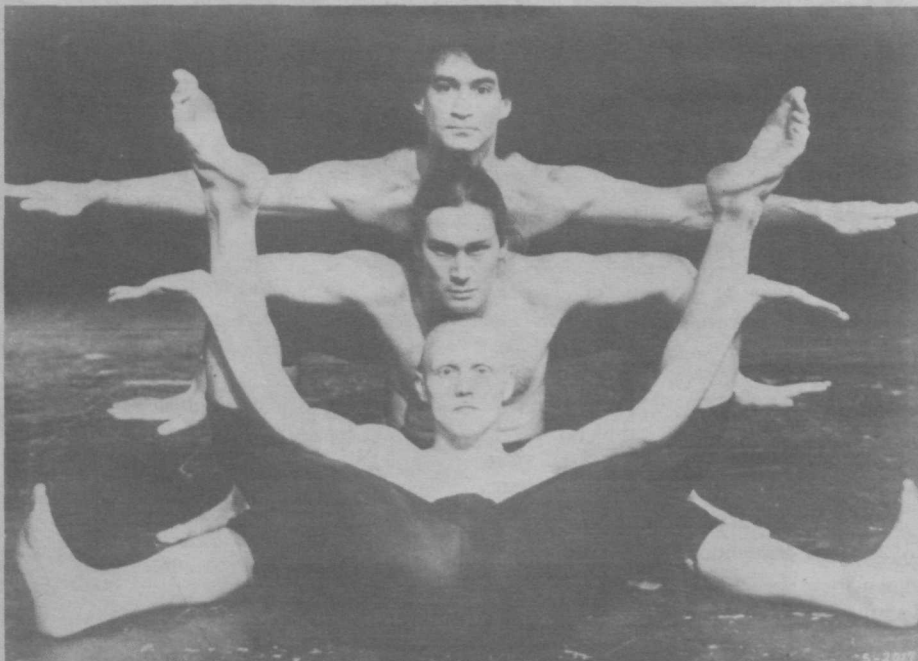
- The Catskill Puppet People and the Heart and Sole Cloggers will perform at 8:15 p.m. tonight in Barnes Hall auditorium.

- The State University College at Cortland Summer Theater will give performances of the comedy revue "Standing Room Only" on Friday, July 28, and Saturday, July 29, at 8:15 p.m. in Barnes Hall Auditorium.

The Summer Session's artistic activities will conclude with a performance by The Second Hand Dance Company on Aug. 4 at 8:15 p.m. in Bailey Hall.

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

All events scheduled from July 27 through Aug. 4 are listed in the Chronicle calendar.



The Second Hand Dance Company, above, will give the final performance of Summer Session on Aug. 4 at 8:15 p.m. in Bailey Hall. Bio-acoustician Katy Payne, left, will give a lecture about communication among elephants on July 30 at 7:30 p.m. in Statler Auditorium. Samite of Uganda, right, will give an outdoor concert on Aug. 1 beginning at 7 p.m. on the Arts Quad. All events are free.



Theatre Arts' 1989-90 season highlights cultural diversity

During its 1989-90 season, the Department of Theatre Arts will present six theater and dance productions, performances by a world-renowned dance company and a Japanese Noh Theater troupe, five evenings of play readings and a 10-day festival of ethnic theater, music and dance from around the country for the artistic opening of the new Center for Theatre Arts.

In the coming year, the department will inaugurate an "Exploration Series" of two or more plays and readings of a particular playwright, genre, period, style or theme. This year's theme of "revolution" features a full production of Peter Weiss' "Marat/Sade" (Dec. 6-10) and readings of "Danton's Death" and "Quartet."

The season also offers a commitment to family programming with David Mamet's "The Frog Prince," an adaptation of the

popular fairy tale (Nov. 3-5, 11 and 12).

In September, 10 visiting theater, dance and music companies representing ethnic communities from around the nation will gather at Cornell for "An American Festival."

The 10-day festival (Sept. 17-27) will serve the Cornell and Ithaca communities and the Central New York region. Besides offering 20 performances in five days at the Center for Theatre Arts in Collegetown, the groups will give workshops and present informal performances at Ithaca schools, community centers and arts organizations.

To mirror the cultural diversity celebrated in "An American Festival," the department has chosen to present "The Dance and the Railroad" by David Henry Hwang, and "A...My Name is Alice" by Joan Micklin and Julianne Boyd.

"The Dance and the Railroad" (Nov. 2, 4, 9-11) tells the story of two Chinese immigrant workers and their views on American life. "A...My Name is Alice" (Feb. 8-10) is an all-female musical revue.

The department's annual Dance Concert '90 (March 8-10) will feature guest artist Diane Martel and original choreography by faculty and students. The season will close in May with a classic love story, "Cyrano De Bergerac," staged in the proscenium theater (April 25-28, May 2-5).

Special events at the center include a visit from The Kita Noh School (Oct. 2) and David Gordon/Pick Up Co. (Oct. 13).

The Kita Noh School is a Noh theater troupe on tour through the United States, sponsored at Cornell by the East Asia program.

David Gordon's visit will be presented

by the Cornell Dance Series. In addition to a full evening's program of dance, Gordon and company will perform a piece commissioned by the department to celebrate the opening of the center.

Tickets for David Gordon and Noh Theater are \$10 general admission, \$8 for students and senior citizens.

Season subscriptions to the remaining productions are \$25 to \$30 for general admission and \$20 to \$25 for students and seniors.

Tickets for individual performances during "An American Festival" are \$6 general and \$5 for students and seniors, with discounts for purchase of three or more performances. Play readings are free and open to the public.

For a free brochure or to order tickets, call the center's box office at 254-ARTS.

Review of student services aims for greater efficiency

It may not be long before Cornell students use plastic cards and "automatic-teller machines" for routine business that now requires visits to three or four campus offices.

Whether and when students are offered 24-hour-a-day, one-stop shopping for business now conducted at the offices of the registrar, bursar and financial aid and other providers of student services will not be decided until completion of an ongoing review of the registrar's office.

But more modest changes already are under way, said David S. Yeh, the assistant vice president for academic programs who is in charge of the review.

For example, responsibility for maintaining non-academic information about students has been moved from the registrar's office to Institutional Planning and Research (IPR), which will key its research to larger university needs and will distribute its findings to all student-service offices and college offices that need the information. Two people have been moved from the registrar's staff to the IPR staff.

This change and others under review are intended to provide student services more efficiently and to strengthen the university registrar's role as a support to the college registrars, Yeh said.

The time for such changes is ripe be-

cause of improved computer technology, he added. Since 1982, for example, the student information system has helped to improve the efficiency and accuracy of processing student academic records, provided quicker service to students and made more information instantly available to college offices.

Yeh will report later this year to Senior Provost Robert Barker and Senior Vice President James E. Morley Jr. with a recommendation on his preliminary suggestion that Cornell create an Office of Student Services, which would transcend many of the current distinctions separating the bursar, the registrar, financial-aid and other offices. Such an office could train employees to handle all business for which students until now might have to consult three or four employees.

An up-to-date information system, such as 24-hour bank-card machines, serving the needs of all offices and functions, may be required in order for this improved level of student services to be achieved, Yeh said.

Such a system, probably accessed by one's student-identification card, would offer information on student accounts, Cornell Card balances and pre-enrollment options for courses. It also might issue a transcript, or pass on messages from advisers.

"Students keep unusual hours, and a



Gloria C. Howell

Gloria Howell named registrar

Gloria C. Howell has been named the university registrar, succeeding Keith Ickes, who left in December to take a position at Colorado State University.

Howell, who came to Cornell in 1973 as senior administrative secretary to the vice president for planning, has been in the registrar's office since 1976 as administrative manager, assistant registrar then associate registrar.

"I'll be working especially closely with the individual college registrars and all offices providing student services, as well as continuing the office's basic function of maintaining the accuracy and security of student academic records," Howell said.

bank-card system would let them handle routine transactions more easily and quickly," Yeh said. "But people would always be available for matters requiring per-

sonal attention — such as financial counseling — and we would expect that with better use of technology, they will actually be more available for the important things."

CALENDAR

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

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

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

DANCE

Cornell International Folkdancers
Instruction and requests, July 30 and Aug. 6, 7:30 to 10:30 p.m., Martha Van Rensselaer Hall auditorium.

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.

"Revolution in American Art," an exhibition in conjunction with the Summer Session's 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, to 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.

Tjaden Gallery
CCPA Individual Grant Exhibit of photography by Rudy Lewis, 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, 7/27
"On The Waterfront" (1954), directed by Elia Kazan, with Marlon Brando, Karl Malden and Eva Marie Saint, 8 p.m., Uris.*

Friday, 7/28
"Fellini Satyricon" (1970), directed by Federico Fellini, with Martin Potter, Hiram Keller and Max Born, 7 p.m., Statler.*
"Princess Tam Tam" (1934), directed by Marc Allegret with Josephine Baker and Jean Gabin, shown with "Zouzou" (1934), directed by Marc Allegret with Josephine Baker and Jean Gabin, 8 p.m., Uris.*
"Good Morning, Vietnam" (1987) directed by Barry Levinson, with Robin Williams, 10 p.m., Statler.*

Saturday, 7/29
"The African Queen" (1951), directed by John Huston, with Katharine Hepburn, Humphrey Bogart and Robert Morley, 7:30 p.m., Statler.*
"Princess Tam Tam," shown with "Zouzou," 8 p.m., Uris.*
"Good Morning, Vietnam," 10 p.m., Statler.*

Sunday, 7/30
"Lady Windermere's Fan" (1925), with musical accompaniment by David Borden, directed by Ernst Lubitsch, with Irene Rich, May McAvoy and Bert Lytell, 8 p.m., Uris.*

Monday, 7/31
"Iphigenia" (1977), directed by Michael Cacoyannis, with Irene Papas and Tatiana Pamoskou, 8 p.m., Uris.*

Tuesday, 8/1
"Merry Christmas, Mr. Lawrence" (1983), directed by Nagisa Oshima, with David Bowie and Tom Conti, 8 p.m., Uris.*

Wednesday, 8/2
"The World According to Garp" (1982), directed by George Roy Hill, with Robin Williams, Mary Beth Hurt and Glenn Close, 8 p.m. Uris.*

Thursday, 8/3
"Frida" (1984), directed by Paul Leduc, with Ofella Medina and Jan Jose Gurrola, 8 p.m., Uris.*

Friday, 8/4
"The French Lieutenant's Woman" (1981), directed by Karl Reisz, with Meryl Streep and Jeremy Irons, 7 p.m., Uris.*
"The Apartment" (1960), directed by Billy Wilder, with Jack Lemmon, Shirley MacLaine and Fred MacMurray, 9:45 p.m., Uris.*

Saturday, 8/5
"The Apartment," 7 p.m., Uris.*

Sunday, 8/6
"All About Eve" (1950), directed by Joseph L. Mankiewicz, with Bette Davis, Anne Baxter and Marilyn Monroe, 8 p.m., Uris.*

Monday, 8/7
"The Wanderer (Les Grandes Meaulnes)" (1967), directed by Jean Albicocco, with Brigitte Fossey, Jean Blaise and Alain Libolt, 8 p.m., Uris.*

LECTURES

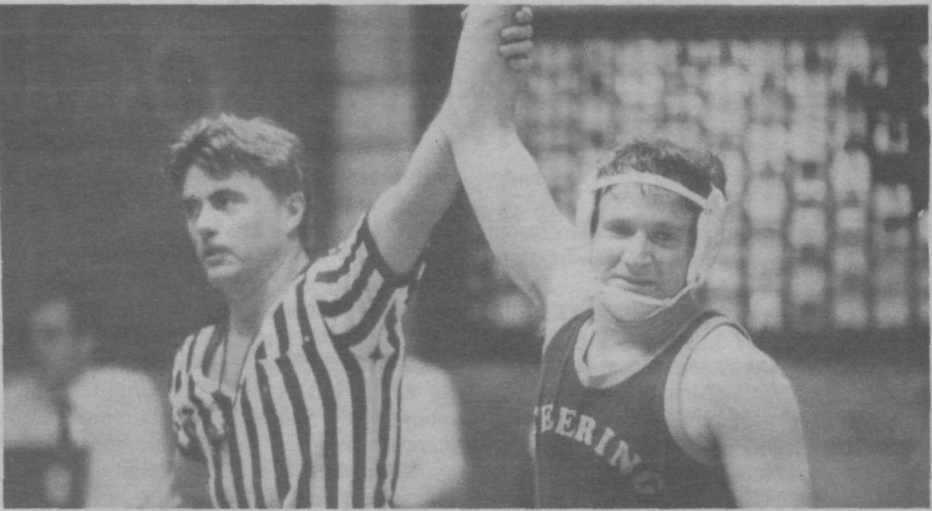
Summer Session
"Elephant Communication," Katharine B. Payne, research associate, Laboratory of Ornithology, and visiting fellow, July 30, 7:30 p.m., Statler Auditorium.

MUSIC

Summer Session
Barnes Hall concert series: violin duo Rolfe Sokol and Meyer Stolor, July 31, 8:15 p.m., Barnes Hall.

Outdoor concerts will be given at 7 p.m. on the Arts Quad (rain location: Kaufmann Auditorium, Goldwin Smith Hall), on the following dates: traditional Ugandan music with Samite of Uganda, Aug. 1; jazzy rock, MILC, Aug. 3.

Bound for Glory
Singers Gary Lee and Patti Meyer will perform on July 30. 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.



Author John Irving, left, portrays a referee in the film version of "The World According to Garp," starring Robin Williams, right, which will be shown on Aug. 2.

RELIGION

Sage Chapel
Edith Reagan, university Catholic chaplain, will deliver the sermon at Sage Chapel on July 30; Robert J. Kane, dean emeritus, athletics and physical education, will deliver the sermon on Aug. 6. 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, 9:30 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.
Orthodox Shabbat Services: 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.

Zen Buddhism
Zazen meditation: Thursdays at 5 p.m. in the chapel, Anabel Taylor Hall. For more information or to arrange beginner's instruction, telephone Jon Warland at 257-1404.

SEMINARS

Summer Session
"A Revolutionary Discourse, 500 Years Before the Fall of the Bastille," a Great Books Seminars, led by William Kennedy, comparative literature, will be held Aug. 1, 11:45 a.m. in the Whitaker Room A409, Corson/Mudd Hall. Milton's "Paradise Lost," Book 1, "Satanic Rebellion" will be discussed.

Sandwich seminars will be given at noon on the following days: July 27, "Women and the American Revolution," Mary Beth Norton, history in 213 Ives Hall; Aug. 3, "New Tech-

niques and Trends in Sports Medicine," Dr. Russell R. Zelko, orthopedic surgeon, in G-1, Uris Hall.

MISC.

Weight Watchers
Register for weight watchers on July 28 or Aug. 4 at noon in Room 217 Ives Hall. Eight-week session begins July 28. For more information call Judy Knight at 257-6892.

Aerobics class
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 given on the following evenings at 8:15 p.m.: July 27, The Catskill Puppet People with the Heart and Sole Cloggers, Barnes Hall; July 28 and 29, "Standing Room Only," comedy review, State University College Cortland Summer Theatre, Barnes Hall; Aug. 4, The Second Hand Dance Company, Bailey Hall.

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

Architectural Tours
A walking tour 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 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, on July 31 at noon. Call 255-3020 for directions.

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

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.

Students help their peers discuss alcohol, sex, AIDS

"What's the first thing a woman looks for in a man?"

"Does knowing all the Collegetown bartenders by name make me an alcoholic?"

"Just how common is AIDS in the college community?"

Students answering other students' questions and discussing concerns like these is what Cornell's Peer Education Program is about.

Peer educators are student volunteers who give workshops in classrooms, residence halls and other living units. They receive more than 25 hours of training by University Health Services staff.

The program has three parts: ALERT (Alcohol and Drug Education, Research and Training), SAFER (Students for AIDS Facts, Education and Responsibility) and Sexuality, which focuses on intimacy and communication in personal relationships.

Similar programs exist at other universities across the nation. At New York University, for example, 22 student educators run three 75-minute workshops each week that cover health-related concerns such as AIDS, eating disorders and contraceptive facts, said NYU program director Mark Ostfield.

The key to a peer education program's success rests in one fundamental concept: "Students can learn from, challenge and support each other in ways uniquely suited to bring about growth and change," said Janis Talbot, director of health education services at the Gannett Health Cen-

ter, where some 2,000 students attend about 60 workshops each year. About 75 students participate as workshop leaders.

Peer educators add credibility to discussions by using common student language and situations, Talbot said. When students meet other students who can talk comfortably and openly about the reality of AIDS, birth control and drug use and abuse, they realize that discussing these concerns is socially acceptable, she added.

"The workshop discussions raise a lot of issues that don't come up during dinner," one program participant said. "Unless we get to talk about them here, chances are we're never really going to discuss them at all."

Peer educator training emphasizes small-group communication skills. "We call ourselves facilitators," said Steve LaSalla, a sexuality educator and the only graduate student in the program. "We encourage participants to explore their feelings, and we set ground rules designed to create an atmosphere of respect and free exchange."

The time requirements for all three educator programs are substantial, but the students think that the rewards they receive make it all worthwhile.

"I enjoy the program so much that it doesn't seem difficult at all," said trainee Deborah McMahon, a sophomore in the School of Industrial and Labor Relations.

McMahon was recommended to the Peer Education Program by her residence hall adviser. Several times during each year, the Peer Education network asks

residence advisers to recommend students in their halls who possess the leadership skills necessary to become a peer educator.

Other students hear about the program during the recruitment period at the end of each semester.

"I was sitting in a social psychology class when my professor mentioned that they were recruiting," said Jennifer Siegal, a psychology student. Students design posters, write newspaper ads and staff information tables in the student unions for the recruitment campaign.

Those volunteers who have completed training and are qualified to conduct workshops act as facilitators for at least three workshops each semester. The workshops are requested by professors, residence advisers or the activities coordinator of a student organization. Because workshops are conducted for a wide variety of organizations — from residence halls with a majority of freshman resi-

dents to international living units — the educators try to focus on issues of interest to the particular group.

Workshop participants say that the two-hour exchanges are a source of reliable information. The programs satisfy students' curiosities and quell their anxieties.

"There is so much literature on AIDS and AIDS-related issues that I wouldn't know where to begin," one freshman woman said after attending a SAFER workshop. The peer educators "take all the really technical information and make it easy to understand."

Talbot said that the importance of peer education extends beyond its informative role in the Cornell student community.

"I've watched enthusiastic, but painfully shy sophomores enter the peer education program and emerge three years later as compassionate, poised seniors," she commented.

—Marie E. Garlo

Workshops will be offered in the fall

Workshops offered by the Peer Education Program at Cornell will begin again next fall. For more information, call the Health Education Office at 255-4782. Among the topics covered are the following:

- Sexuality workshops on birth control, prevention of sexually transmitted diseases, gender roles, homophobia, prevention of acquaintance rape and making meaningful relationships.
- AIDS workshops on the state of medical research, the history and cultural context of AIDS, modes of transmission and means of prevention, myths surrounding AIDS and homophobia.
- Alcohol and other drug workshops on physiology, laws governing use of substances, emergency procedures, substance abuse and alternatives to use.

EARS program trains student counselors in the art of listening

Students' ears enable them to listen; listening helps them know who they are and where they're going, and helps them guide someone a little less sure.

Cornell's EARS does all that and more.

EARS — Empathy, Assistance and Referral Service — is a peer network sponsored by the Dean of Students Office that has provided emotional counseling for the Cornell community since 1972. EARS operates out of Room 211 of Willard Straight Hall during the school year, receiving more than 30 calls a week and counseling nearly 1,000 students each year.

EARS is primarily student-directed and offers emotional counseling only. The counselors help clients work through difficulties ranging from a particularly brutal Calculus 112 prelim exam to a family squabble to the breakup of a relationship.

The university's Peer Educators, a separate group trained and supervised by the University Health Service, bring accurate

health-related information to the student community.

During spring semester, there were about 50 counselors working for EARS. They answer the EARS hot line, train aspiring counselors, create and conduct outreach workshops, and hold walk-in services for people who just need someone to listen to them.

EARS operates under the philosophy that the people who seek assistance know that they have a problem and also know the best way to solve that problem. Therefore, the EARS counselors basically are there to help them realize this, said Tanni Hall Salustri, assistant dean for counseling and the EARS coordinator.

"We really stress objectivity. It's very important to be non-judgmental, to not let your personal biases or opinions come through during a counseling session," Salustri said.

The outreach programs sponsored by EARS offer another focus for student in-

volvement. Outreach workshops cover issues such as date rape, eating disorders and stress management. Their formats are created by students and then reviewed by the Dean of Students Office, Salustri said.

EARS counselors are trained by students under an instruction program organized by students that lasts a minimum of two semesters for a total of more than 60 hours. Each year, about 300 students begin the training.

Trainees become full counselors by passing an evaluation of their skills during a mock counseling session of about one hour.

A team of experienced counselors rates the trainee's skills in using a non-judgmental, probing approach characterized by open-ended questions, a sorting through of the client's feelings and the absence of direct advice.

The student being counseled is usually a first-semester trainee unacquainted with the evaluators and the student being tested. Few student trainees pass on the first try.

EARS also provides support for its volunteers to help relieve some of the tensions and anxiety associated with emotional counseling. Salustri runs a weekly support group where counselors can talk about their own worries — how they handled a difficult call or whether they probed too far or remained too distant.

"Sometimes you need to hear: 'Hey, you did the right thing; that happened to me, too,'" Salustri said.

"The toughest caller for me is the person who has lost touch with reality," said David Janson, a senior psychology major and a counselor trainer.

"Some people just don't know why they can't make friends or why they can't get ahead in school. It's hard to pinpoint what's causing the problem in these situations because the caller really doesn't have a clue. I hate to leave them without any answers," he said.

—Marie E. Garlo



Chris Hildreth

Two students pause for a chat in a doorway of Goldwin Smith Hall.

Cornell makes headlines in *The New York Times*. Read them first in the *Cornell Chronicle*.

Every week, events happen on campus. Faculty, staff and students who live and work at Cornell don't have to wait to read about them in a national newspaper or news magazine; they receive free copies of the Cornell Chronicle on campus. If you live outside of Ithaca, you can have the Chronicle delivered to your mailbox 40 times a year. You can read about faculty, staff and students making news, conducting research and speaking out on national issues. Clip this box and send it to Cornell Chronicle subscriptions, Village Green, 840 Hanshaw Road, Ithaca, N.Y. 14850.

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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 to the Graduate School.

Fall 1989 registration: New students will register on Aug. 28; new and continuing students Aug. 29 to Sept. 1. Registration is in The Henry, Sage Hall, 8:15 a.m. to 4:15 p.m. Bring student ID card and registration admission form sent by the university registrar.

Course enrollment: Bring completed and signed course enrollment forms to registration and complete course enrollment during the registration process. Course enrollment forms will be available during registration week in campus mail boxes, graduate field offices or Sage Graduate Center. Course enrollment will continue through Sept. 22. Students who completed pre-course enrollment forms last Spring do not need to complete a form unless there is a change in their schedule.

Fellowships for 1990-91: Many fellowships have fall deadlines for completed applications. Plan ahead for 1990-91 by consulting the Fellowship Notebook and sending in for application forms now. The Fellowship Notebook lists over 350 graduate fellowships under the categories general, women, foreign, minority and study abroad. Eligibility requirements, amount of award, deadline and the address for application are included for each entry. The Notebook is available in each of the graduate field offices, in the Fellowship and Financial Aid Office, Sage Graduate Center, and is listed on CUINFO under the heading Academic and the subheading Grad.

Young scientists hone supercomputing skills

Some of the country's leading experts at constructing scientific computer algorithms are teaching their techniques to 30 promising young scientists at an Advanced Summer Institute in Supercomputing that began on July 24 and continues through Aug. 4.

The institute is sponsored by the Cornell National Supercomputer Facility and the National Science Foundation.

Computer algorithms are intricately structured computer programs that underlie the solution of scientific problems ranging from turbulence to the structure of subatomic particles. The construction of efficient algorithms lies at the heart of efforts to use computers to attack science and engineering problems.

"Effective algorithms are fundamental to achieving all the country's goals for advanced computing in science," said Aram Kevorkian, director of scientific computational support at the CNSF. "This year's institute is a departure from past workshops, in which we have concentrated on training scientists in the use of supercomputers."

CNSF Director Larry Lee said, "The CNSF is now the only supercomputing center that sponsors formal supercomputing training programs for high school students, undergraduates and graduate students and young faculty."

"We are extremely proud of the institute, as well as our Research Experience

for Undergraduates and our high school SuperQuest program."

At this year's Summer Institute, leading scientists from International Business Machines Corp. and Cornell are explaining their approaches to computer algorithms in chemistry, fluid dynamics, physics and mathematics.

IBM scientists conducting the institute are from the IBM research center in Kingston, N.Y., the Thomas J. Watson Research Center in Yorktown Heights, N.Y., and the IBM Scientific Center in Palo Alto, Calif.

Cornell researchers are from the School of Operations Research and Industrial Engineering and the Sibley School of Mechanical and Aerospace Engineering.

The young scientists, most of whom are graduate students, also will work on their own algorithms, whose subjects include petroleum reservoirs, ocean waves in coastal areas, electrodes inserted into the skin, drug design and helicopter rotors.

The participants are from universities throughout the country, as well as the Netherlands and Venezuela.

They were chosen by a Cornell faculty committee, based on the level of their research and the suitability of their algorithms to Cornell's IBM 3090-600E supercomputers.

—Dennis Meredith

Cornell fined for accidental contamination

The university will pay a \$2,500 fine to the New York State Department of Health, and a Department of Pharmacology laboratory in the College of Veterinary Medicine will improve its observance of procedures for worker supervision and contamination monitoring, as the result of an incident earlier this year involving accidental contamination by radioactive material.

A measurable amount of a radioactive isotope of sodium was found March 30 on the coat of a graduate student in Schurman Hall, according to Thomas McGiff, radiation safety officer for the Cornell Office of Environmental Health. He said the isotope was being used as a tracer in neuropharmacology experiments, and that the contamination went undetected for some time because the coat had not been adequately monitored for contamination.

The radiation dose to the individual wearing the coat could have exceeded allowable limits, the radiation safety officer noted. However, a subsequent medical examination found no sign of injury to the student.

The state Health Department charged the university with five violations of public health law. The university agreed to pay the fine and submitted a plan for correcting the actions that led to the incident.

"This incident should be a reminder of the rules that are in place to protect lab workers who handle radioactive substances," said Judith A. Crawford, director of the Office of Environmental Health.

Physiologist's monitor shows how plants store food

A new system that uses computerized radioactive labelling to eavesdrop on plants could reveal how food produced by photosynthesis reaches agriculturally important parts of crops.

Cornell plant physiologist Erle C. Ellis will describe the system, called "steady-state labelling for photosynthate transport," on Aug. 1 at the Toronto meeting of the American Society of Plant Physiologists.

The technique will not only provide a deeper scientific insight into how plants function, it also could allow plant breeders, agronomists and other agricultural researchers to determine the limiting factors on crop yield, including the effects of pollutants and increased ultraviolet radiation, said Ellis, a graduate student in plant physiology.

Steady-state labelling, as developed by the Cornell plant physiologist, puts plants in a glass and aluminum assimilation chamber where sensing instruments monitor compo-

"The effects on plants of the so-called greenhouse effect and the thinning of the ozone layer could also be examined with steady-state labelling."

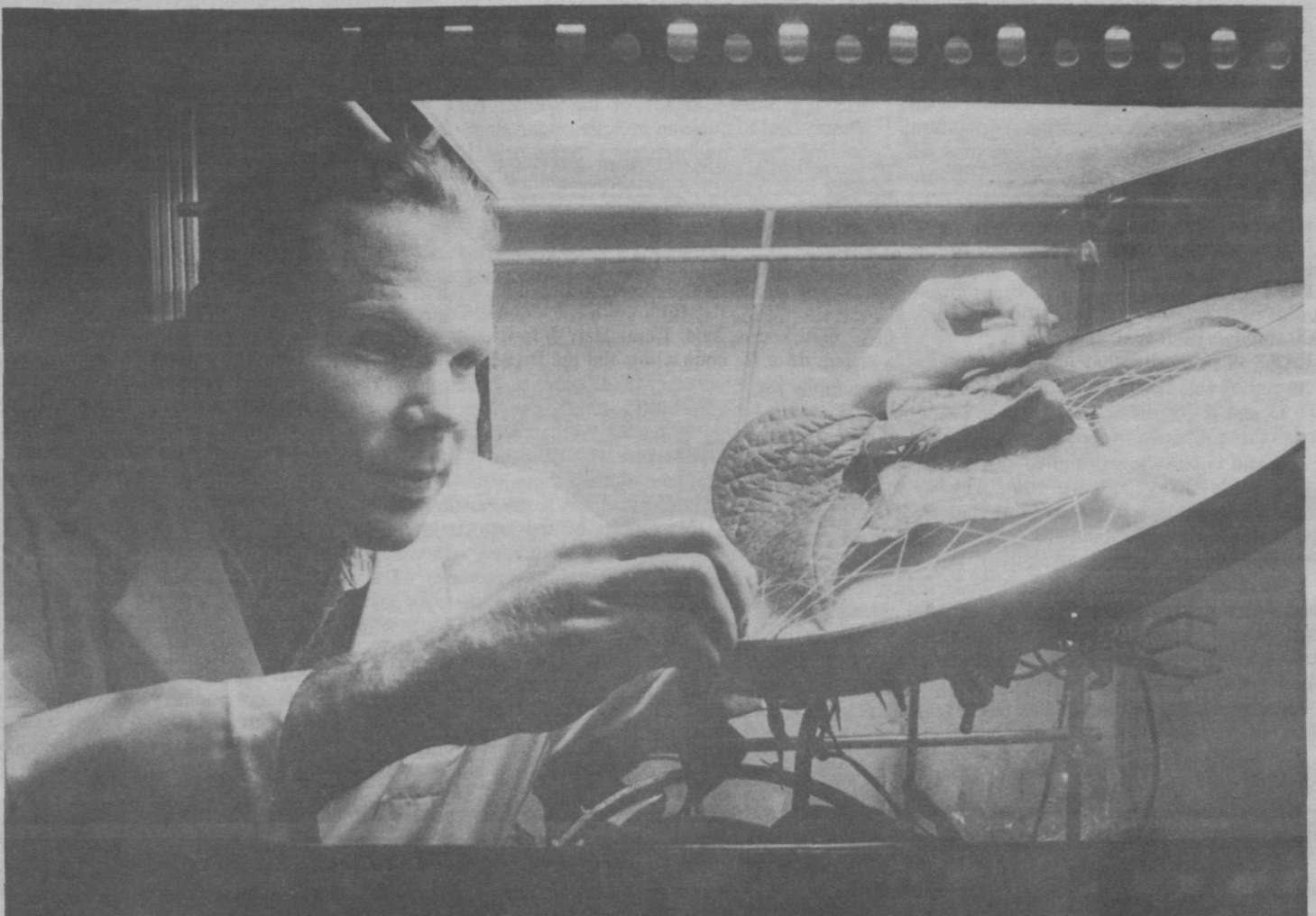
— Erle Ellis

sition of air as well as chemicals in parts of the plant such as the seeds. A computer controls the release of the radioactive tracer element carbon-14 in carbon dioxide and maintains the rate of photosynthesis.

In the plant leaves, radioactive carbon becomes part of the sugars and amino acids that are transported throughout the plant until they reach storage "sinks" such as seeds and roots. A variety of sampling techniques are used to measure radioactive carbon levels in sink tissues.

The steady-state technique reveals the details of one of the most important processes in the life of plants — the "partitioning" of foods, explained Ellis, who has been studying the process since 1983. "Partitioning is one of the key physiological factors in crop yield. 'The higher-yield crops tend to partition more food to the harvested part of the plant. It's not just a matter of larger plants producing higher yields; the higher-yield wheat varieties, in fact, are smaller plants."

"Of course, we can always determine partitioning by chopping up the plant at the end of the growing season," Ellis continued. "But we'd like to know ahead of time where



Chris Hildreth

Plant physiologist Erle Ellis inserts a bean leaf in the assimilation chamber of his steady-state radioactive labeling system.

the food is going, how it gets there and where it comes from. With this system we can follow the path of foods to the storage place in plants in 24 hours."

Ellis's latest procedure is an improvement on an earlier plant monitoring technique, pulse labelling. That technique calls for radioactive carbon in carbon dioxide to be manually injected through a plastic bag into the air around a leaf. Steady-state labelling was originally developed by Donald R. Geiger, a biologist at the University of Dayton. The Cornell facility, one of only about a half dozen in the world, features automated photosynthesis measurement and can be easily adapted to a wide range of plant studies.

The Cornell system consists a glass chamber, approximately the size and shape of a medium pizza, which is sealed around one or more leaves on a living plant that is

inside a larger, artificially lighted chamber. A computer-controlled mixture of gases is pumped through the inner chamber, surrounding the leaves. Radioactive gases that are not assimilated by the plant are removed for proper disposal.

"The advantage of steady-state labelling is that it lets us observe plant processes moment by moment for several hours at a time," the Cornell scientist said. "We can set up experiments the night before and let the plant adjust to the stresses. And we can use carbon-14 rather than carbon-11, which is very expensive to produce."

Ellis has been using his new system to study the process of "phloem unloading" in kidney beans. Sugars produced in plant leaves travel conduit-like phloem tissue and reach plant seeds in minutes, he noted. "Phloem transport has been very hard to study because it is the most sensitive system

in the plant; it will shut down in response to cutting or even touching a stem."

Steady-state labelling may also be used to study the way pollutants in the air and soil affect partitioning, Ellis speculated. "The effects on plants of the so-called greenhouse effect and the thinning of the ozone layer could also be examined with steady-state labelling. We know, for example, that more carbon dioxide in the atmosphere increases photosynthesis — at least over short periods of time. The question now is how plants will adapt to these changes in their environment."

"Ultimately, if we can figure out the physiology of phloem unloading, we may not need radioactive labelling," Ellis said. "We will be able to screen plants for efficient partitioning to the seed and predict which ones will have the highest yields."

—Roger Segelken

Students' health insurance to rise 60%, reflecting trend

A national surge in the cost of health care and insurance has led to a 60 percent increase in the premiums for accident and health insurance coverage being offered to Cornell students for next year.

"The large increase is extremely disturbing," said Dr. Leslie Elkind, director of the Gannett Health Center. "But the fact is the sharply rising cost of health insurance is a national problem. Our premiums still fall in a middle range, and the percentage increase is smaller than what many other campuses face."

The optional coverage offered to full-time undergraduate and graduate students for the policy year starting Aug. 29 will be structured as follows:

- For a single student, the annual premium will rise from \$254.50 to \$409 (up 61 percent).

- There will continue to be two premium rates for spouses of students. For spouses who are enrolled in the prepaid health-services plan, the health insurance premium will

rise from \$522.50 to \$839.50 (up 61 percent). For spouses not enrolled in the prepaid health-services plan, the cost of insurance will rise from \$690 to \$1,100 (up 59 percent). The prepaid plan, costing \$270 for the academic year, allows spouses unlimited visits with staff clinicians at Gannett and use of the overnight unit at no charge.

- For children of married students, the premium will rise from \$259 to \$416 (up 60 percent).

Though the accident and health policy is optional, students should realize that participation is presumed unless they file a waiver, Elkind said. The waiver — mailed with bursar bills to students in July — must reach the Student Insurance Office at Gannett by Aug. 30, or coverage will take effect automatically. Last year, the waiver date was almost a month later; the insurer under the new policy required the earlier notice.

Coverage is not automatic for the prepaid health-services plan for spouses, however. That coverage is provided only if en-

rollment forms are completed — by Sept. 25 — at the Student Insurance Office.

Leonard Nissenson, Gannett's senior administrator responsible for negotiating with student-insurance providers, said that "this year's effort was by far the toughest, even with the help of a leading insurance consultant," Marsh & McLennan of New York City.

The new policy, from Gerber Life Insurance Co. of White Plains, N.Y., was clearly the best quote Cornell could get, and even that wasn't firm until June 29, Nissenson said. The word was mailed to students, almost immediately, with their bursar bills.

A June 7 article in the Chronicle of Higher Education reported that colleges and universities nationwide faced a student-insurance crisis, with many university officials saying they were unsure if they will find any insurer for 1989-90.

That article reported that the average student premium for health insurance in 1987 was \$250 to \$350 (Cornell's was \$254.50

for 1988) and that institutions offering insurance under the American College Health Association plan will see premiums rise this year by between 60 and 150 percent.

"Based on my analysis of Cornell's claim experience, I thought our student premium would rise to at least \$375 this year," Nissenson said. "The actual premium is 9 percent above that. Though the increase will undoubtedly be a real burden for some students, I am afraid it is within national norms, given the marketplace today."

He noted that the terms were superior to those of a policy offered through the National Association of Graduate and Professional Students.

They also compare favorably with those at other universities in the state. Combining insurance premiums and costs for use of the health center (at Cornell, about \$130 a year from each student's tuition supports the center), the totals are: Cornell, \$539; Rochester, \$562; Syracuse, \$862; Columbia, \$888.

—Sam Segal

Appointments and Promotions

The following academic and administrative appointments were approved by President Frank H.T. Rhodes, effective July 1 through the dates listed, unless otherwise noted.

Urie Bronfenbrenner, the Jacob Gould Schurman Professor of Human Development and Family Studies and of Psychology, emeritus, was reappointed director of the A.D. White Professors-at-Large Program through June 30, 1990.

Donald B. Campbell, professor of astronomy and senior research associate in the National Astronomy and Ionosphere Center, was appointed acting director of the National Astronomy and Ionosphere Center for the 1989-90 academic year.

Brain F. Chabot, professor of ecology and systematics and associate director of the Office for Research and of the Agricultural Experiment Station in the College of Agri-

culture and Life Sciences, was appointed acting director of the Office for Research and the Agricultural Experiment Station through Dec. 31, 1989.

George Conneman, professor of agricultural economics and director of the Office for Academic Programs in the College of Agriculture and Life Sciences, was reappointed director of the Office for Academic Programs through June 30, 1991.

Peter J. Gierasch, professor of astronomy, was appointed director of the Center for Radiophysics and Space Research through June 30, 1994.

Isabel V. Hull, associate professor of history, was appointed acting director of the Women's Studies Program through June 30, 1990.

Malvin H. Kalos, professor of physics, was appointed director of the Center for Theory and Simulation in Science and Engineering for a five-year term from June 1,

1989, through June 30, 1994.

Ronald LaFrance, an extension associate in and associate director of the American Indian Program, was appointed acting director of the American Indian Program through June 30, 1990.

Richard N. Lebow, professor of government, was reappointed director of the Peace Studies Program in the Center for International Studies through June 30, 1990.

Lawrence Scheinman, professor of government, was appointed acting director of the Peace Studies Program in the Center for International Studies through June 30, 1990.

Winthrop Wetherbee, professor of English, was reappointed director of the Medieval Studies Program through June 30, 1992.

The following faculty members have been promoted to professor by President Frank H.T. Rhodes, effective July 1, 1989:

K. Anthony Appiah, philosophy; **Steven Beckwith**, astronomy; **Robert W. Blake**, animal science; **Laura S. Brown**, English.

Also, **George Casella**, plant breeding and biometry; **Gerald F. Combs Jr.**, poultry and avian sciences; and **W. Bruce Currie**, animal science.

Also, **Rodney R. Dietert**, poultry and avian sciences; **Gene A. German**, agricultural economics; **Michael D. Hays**, theater arts; **W. Lamar Herrin**, English; **Jiunn T. Hwang**, mathematics; **Wayne A. Knolauch**, agricultural economics; and **Kenneth A. McClane**, English.

Also, **George J. Posner**, education; **Richard L. Quaas**, animal science; **Lee W. Schruben**, operations research and industrial engineering; **Birgit Speh**, mathematics; and **Jerry R. Stedinger**, civil and environmental engineering.

Parking rules for Aug. 2-6

The Empire State Games taking place in Ithaca Aug. 2 through 6 will create some parking changes on campus for H, G and K permit holders. These changes differ slightly from those reported in the July 13 Chronicle.

H and G permits will not be valid in the Parking Garage on Thursday, Aug. 3, and Friday, Aug. 4, but they will be valid on these days in any zone on campus except red visitor, service, life safety and any other specially marked areas for the handicapped and university officials.

From Aug. 2 through 6, the Lynah-Teagle lots will be reserved for Empire State Games officials and will not be available to H permit holders. Kite Hill will be closed to K permit holders after 4 p.m. on Aug. 2 and all day Aug. 3 and 4. K permits will be valid in any O areas during these times.

For more details, please call the Traffic Bureau at 255-4600.



Alumnus, state 4-H establish scholarship

A 1953 Cornell graduate and the New York State 4-H Foundation Inc. have established a fund to give a scholarship of \$1,000 each year to a Cornell student who resides in an eight-county area in upstate New York.

The scholarship program was launched by Robert Snyder of Minneapolis, a professor emeritus of the University of Minnesota, who gave the 4-H Foundation the money to start the fund, named the Austin-Snyder Scholarship for his parents, Herman and Doris Austin Snyder of Alfred, N.Y.

Recipients of the scholarship must be from Allegany, Cattaraugus, Chautauque, Chemung, Schuyler, Steuben, Tioga or Tompkins counties. The scholarship will be awarded in alternating years to an applicant who attends the College of Agriculture and Life Sciences or College of Human Ecology.

Applicants must be nominated by county 4-H agents and demonstrate a capacity for leadership and a sincere pursuit of a career that will better the condition of disadvantaged people. Candidates must be either a current 4-H member

with at least three years of membership or a previous member with at least five years of active membership.

Selection of a winner will be based 50 percent on demonstrated academic capability and 50 percent on financial need. Preference will be given to applicants from Allegany, Steuben and Cattaraugus counties, where the Austin and Snyder families live.

The foundation intends to award a scholarship each year to a freshman or a transfer student who has successfully completed a semester at Cornell.

4-H is the largest youth educational organization in the United States.

As the youth component of Cornell Cooperative Extension, the 4-H program in New York state provides diverse educational programs in areas such as agriculture and human ecology to 700,000 youngsters from every county in New York state, Pratt said.

The 4-H Foundation provides grants and scholarships to the 4-H county programs and participants.

Rossiter continued from page 1

documents that they and others had left behind.

"Some were so feisty, you'd walk a mile to read their letters," she said.

The archives also revealed to Rossiter the subtle discrimination by male scientists: "We can't elect her to the National Academy of Sciences because she's deaf," was one excuse Rossiter found for refusing a candidate who was also a woman.

"There was a lot of denial going on among women, too," she said, describing a letter to a younger woman scientist from an elder who wrote: "If you are good you'll get ahead."

At certain government agencies, a kind of "old girls network" grew up as one woman scientist's hiring led to another, Rossiter learned. She also found that there were "appropriate" scientific fields for women; botany and child psychology, but not geology and mathematics.

Rossiter was encouraged when an article she wrote on women in science resulted in 200 requests for reprints. She put her material into book form and went from publisher to publisher. Finally, Johns Hopkins Press accepted "Women Scientists in America," which was published to good reviews in 1982.

The MacArthur Award, presented "for whatever purposes you choose," as the notification letter reads, will relieve some of the pressure of seeking grants, Rossiter said.

"I don't know whether that's good or not," she added. "The process of proposal-writing does focus your thinking."

Currently she is pondering why some women in science "became radical" in the 1960s and how the notion of "what is 'lady-like'" expanded. She is curious why the federal government once thought women scientists couldn't go to Antarctica and why they couldn't be astronauts, despite the fact that "women use less oxygen."

She will continue teaching her course on women in science, a class, she said, that tends to attract "people with identity crises coming up." Referring to the Nobel laureate geneticist who studied here, Rossiter said, "Some of the women in my class want to be Barbara McClintocks. They realize, 'Someone like me passed through this place.' Rossiter also is the author of a 1975 book on the history of American agricultural science, a subject she teaches at Cornell, and is the co-editor of "Historical Writing on American Science" and "Science at Harvard."

A member of the Cornell faculty since 1986, Rossiter holds a bachelor's degree in history and science from Radcliffe College (1966), a master's degree in history of science from the University of Wisconsin at Madison (1967), and a Ph.D. in history of science and medicine (1971), from Yale. Support for her research has come from Guggenheim, Rockefeller and National Science Foundation awards.

—Roger Segelken

Chabot to direct research in Ag & Life Sciences

Brian F. Chabot has been appointed acting director of research for the College of Agriculture and Life Sciences and also acting director of the Agricultural Experiment Station in Ithaca for one year through June 30, 1990.

Chabot succeeds Norman R. Scott, who is now vice president for research and advanced studies at Cornell.

Chabot has served since 1983 as associate director of research for the college and also as associate director of the experiment station.

As acting director of research, he will lead in planning and coordinating a wide array of basic and applied research activities of the college and experiment station. Research expenditures for the college during fiscal 1989-1990 amount to \$58 million.

A member of the Cornell faculty since 1973, Chabot is a professor of ecology and systematics and an authority on physiological plant ecology. He has taught courses in plant and introductory ecology and agricultural ecology. He served as chairman of the section of ecology and systematics in Cornell's Division of Biological Sciences for three years.

Chabot received a B.S. from the College of William and Mary in 1965 and a Ph.D. from Duke University in 1971.

—Yong H. Kim



Cornell CHRONICLE

Supplement

Hundreds Brought Empire State Games to Ithaca

Bringing the largest amateur athletic event in the nation to Ithaca required untiring support from literally hundreds of people, particularly the Tompkins County Chamber of Commerce and representatives of Ithaca College and Cornell University. "There's a real interest in doing things together to benefit the community," chamber executive director Herb Brewer says of the many organizations and individuals who participated in bringing the 1989 Empire State Games to Ithaca.

Dave Cutting, an Ithaca businessman and chair of the Local Organizing Committee, adds, "When you consider that 35,000 to 40,000 athletes try out to get here and that this is the largest sporting event of its kind in the country, it really is an honor to participate."

The idea of hosting the summer games originated with a small chamber committee. Formed five years ago, the Cooperation and

Coordination Committee includes representatives from Cornell University, Ithaca College, Tompkins Cortland Community College, Pyramid Mall-Ithaca, Downtown Ithaca Incorporated and the Finger Lakes State Parks Commission.

Although they come from varied backgrounds, the committee members are able to share ideas and work together because of a common interest in promoting their community. "This committee has tremendous insight and resources," Brewer says. "It's a credit to Ithaca and Tompkins County that these individuals are willing to give of their time, effort and leadership."

This strong level of cooperation between the individuals and organizations that make up Ithaca played a critical role in the city's ability to convince Gov. Mario M. Cuomo and the state's Office of Parks, Recreation and Historic Preservation — sponsor of the games — that it could be an exceptional

host for the Empire State Games. The games have previously been held nine times in Syracuse and twice in Buffalo.

According to Brewer, Ithaca's proposal to host the 12th annual games was also aided by the availability of excellent facilities and the suggestion that Ithaca College and Cornell University could lend an "Olympic village aura" to the event, with their campuses providing athletes virtually everything they need.

The two institutions have teamed up to house the more than 7,000 world-class athletes, coaches and Empire State Games officials. In addition, many of the games' 27 events and related support activities will take place at various sites on the two campuses.

While diverse in their offerings, Cornell University and Ithaca College have demonstrated an ability to work together in many ways. One example of their cooperative re-

lationship is the Ithaca College/Cornell University Exchange Program. This reciprocal arrangement allows full-time undergraduate students from either institution to take courses at the other campus that are not offered at their own school.

The two institutions also collaborate on the ROTC Officer Education Program and the Ithaca College/Cornell University science-engineering program, which allows select students to study three years in physics or chemistry at Ithaca College and two years in engineering at Cornell University, earning a bachelor's degree from both institutions.

This cooperative community spirit is bound to live on in the future. Confident that this year's event will be judged to be a success, the local organizers are already planning to work together again in an effort to bring the Empire State Games back to Ithaca.



Ithaca College to Cornell University and Cornell University to Ithaca College

Every 10 minutes (6 am - 11:45 pm Thursday - Saturday; 6 am - 4:30 pm Sunday); every 20 minutes (8 am to 4 pm Wednesday)

Cass Park/Treman Marina (from IC and CU)

Every 30 minutes on the hour and half hour (7 am - 9 pm, till 11 pm Saturday; 7 am - 2:30 pm Sunday)

Ithaca High School/Cascadilla Boat House (from IC and CU)

Every 30 minutes on the hour and half hour (8:30 am - 11 pm Thursday and Saturday; 6:30 a.m. - 11 pm Friday; 7 am - 2:30 pm Sunday)

Lansing High School (from IC and CU)

Every 30 minutes on the hour and half hour (8 am - 11 pm)

North Campus (from Barton Hall, Cornell)

Every 15 minutes on the A-B local route (7 am - 5 pm Wednesday; 6 am - 11:45 pm, Thursday through Saturday; 6 am - 4 pm Sunday)

Bus Stops are in front of Job Hall at Ithaca College and on Garden Avenue on the east side of Barton Hall at Cornell. There is no charge for the Empire State Games shuttle buses; first priority is given to athletes.

Ithaca Transit will operate its regular schedules (including all normal stops), departing from Ithaca College (Phillips Hall) every 30 minutes on the hour and half hour, and from Cornell (Day Hall) every 15 minutes, both 6 am to 7:30 pm. Northeast Transit and Tomtran also will operate their regular schedules from the Day Hall bus stop.

PARKING

All-events parking passes can be purchased at Ithaca College and Cornell. The passes, \$2 per day and \$5 for all five days, are valid on both campuses. Please park at Ithaca or Cornell and use the shuttle bus between campuses.

Parking at Cornell for Empire State Games spectators is in the parking garage on Campus Road and the Kite Hill lot. For the opening ceremony on Wednesday night, the following lots will also be used: Alumni Field, "B" lot (along Route 366), and the "O" lots (near Morrison Hall). Day parking for RVs, campers, and large vans will be in the "TRB" lot at the intersection of Route 366 and Tower Road. Campers are not permitted overnight at Cornell.

At Ithaca College, spectator lots are "F" (between Dillingham Center and Hill Physical Education Center), "L" (near the Terrace Dorms), "M" (across from the outdoor pool), "O" (behind the Roy H. Park School of Communications), "S" (near the Garden Apartments and tennis courts), and "Y" (across Route 96B, next to NCR).

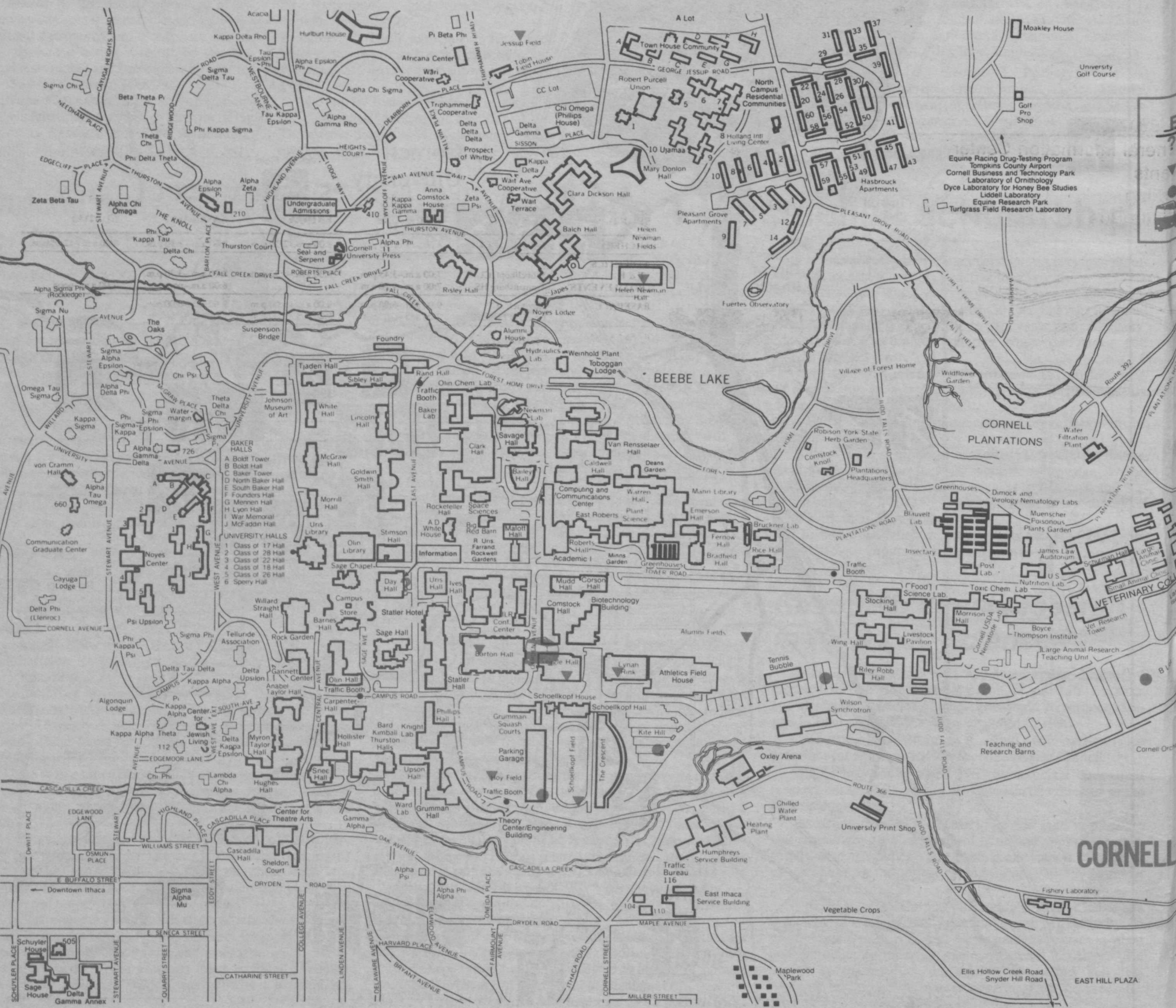
Events at Ithaca College

PF1	Track and Field	South Hill Field
PF2	Baseball	Freeman Field
PF5	Field Hockey	Allen Field I
PF6	Field Hockey	Allen Field II
PF7	Field Hockey	Allen Field III
PF8	Field Hockey	Yavits Field
PF9	Field Hockey	Yavits Field Extension
PF12	Soccer	Upper Terrace Practice Field I
PF13	Soccer	Upper Terrace Practice Field II
1	Weightlifting	Dillingham Center for the Performing Arts George Hoerner Theatre
13	Basketball and Volleyball	Hill Physical Education Center Ben Light Gymnasium
	Synchronized Swimming	Indoor Pool



Ithaca College Parking Lots

A	ESG Athletes, Coaches, and Officials	L	Spectators
B	ESG Athletes, Coaches, and Officials	M	Spectators
C	ESG Athletes, Coaches, and Officials	O	Spectators
D	ESG Athletes, Coaches, and Officials	P	Ithaca College Staff
E	Ithaca College Staff	R	ESG Athletes, Coaches
F	Spectators and Ithaca College Staff in Designated Areas	S	Spectators
G	Ithaca College Staff	T	ESG Athletes, Coaches
H	Ithaca College Staff	U	Physicians, ESG Officials
J	ESG Athletes, Coaches, and Officials	W	Ithaca College Staff
K	ESG Athletes, Coaches, and Officials	Y	Spectators



Ithaca College Campus Map

Buildings

(Numerically)

- 1 Dillingham Center for the Performing Arts
- 2 Job Hall
- 3 Friends Hall
- 4 Textor Lecture Halls
- 5 Muller Faculty Center
- 6 Muller Chapel
- 7 Williams Hall
- 8 Hammond Center for Student Health Services
- 9 Campus Center
- 9A Egbert Hall
- 9B Phillips Hall
- 10 Outdoor Pool and Bathhouse
- 11 Gannett Center
- 12 Ford Hall
- 13 Hill Physical Education Center/Light Gymnasium
- 14 Smiddy Hall
- 15 Storage
- 16 Ceracche Athletic Center
- 17 Physical Plant Maintenance Building
- 18 Physical Plant Maintenance Building
- 19 Office of Campus Safety
- 20 Roy H. Park School of Communications
- 21 Alumni Hall
- 22 Central Services Building
- DH1 Egbert Dining Hall
- DH2 Towers Concourse and Towers Dining Hall
- DH3 Terrace Dining Hall

Residence Halls

- G25 Garden Apt. 25
- G26 Garden Apt. 26
- G27 Garden Apt. 27
- G28 Garden Apt. 28
- G29 Garden Apt. 29
- Q1 Hood Hall
- Q2 Hilliard Hall
- Q3 Rowland Hall
- Q3A Boothroyd Hall
- Q4 Tallcott Hall
- Q5 Holmes Hall
- Q6 Landon Hall
- Q7 Bogart Hall
- Q8 Clarke Hall
- Q9 Lyon Hall
- Q10 Eastman Hall
- T1 Terrace One
- T2 Terrace Two
- T3 Terrace Three
- T4 Terrace Four
- T5 Terrace Five
- T6 Terrace Six
- T7 Terrace Seven
- T8 Terrace Eight
- T9 Terrace Nine
- T10 Terrace Ten
- T11 Terrace Eleven
- T12 Terrace Twelve
- E1 East Tower
- W1 West Tower
- R New Residence Hall

Playing Fields

- PF1 South Hill Field
- PF2 Freeman Field
- PF3 Track & Field Events Field
- PF4 Upper Tennis Courts
- PF5 Allen Field I
- PF6 Allen Field II
- PF7 Allen Field III
- PF8 Yavits Field
- PF9 Yavits Field Extension
- PF10 Lower Tennis Courts
- PF11 Upper Terrace Game Field
- PF12 Upper Terrace Practice Field I
- PF13 Upper Terrace Practice Field II
- PF14 Upper Terrace J.V. Baseball Field

Parking Lots

A-Y See key to ESG locations

General Information

- 9 Campus Center



Map artwork by Rick Davis

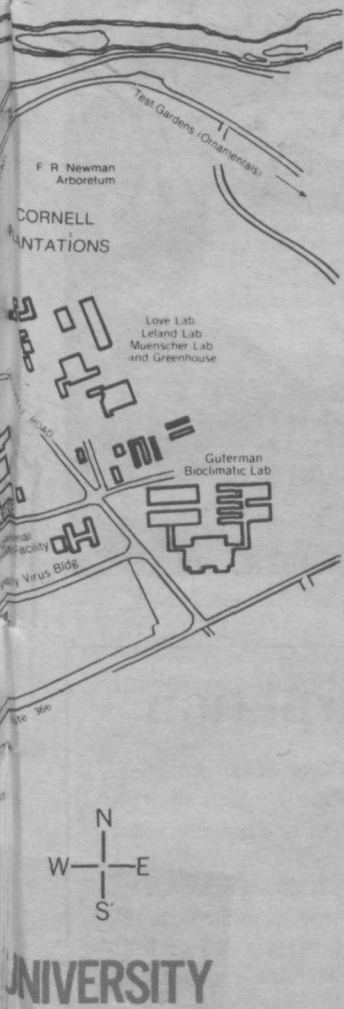
Locations

General Information Center

Events
Parking
Shuttle Bus

Empire State Games Schedule of Events

SPORT	VENUE	THURSDAY	FRIDAY	SATURDAY	SUNDAY
ARCHERY	Jessup Field, CU	8:00 a.m.-2:30 p.m.	8:00 a.m.-2:30 p.m.	8:00 a.m.-2:30 p.m.	8:00 a.m.-12:30 p.m.
ATHLETICS T & F ROAD EVENTS	Schoellkopf, CU Trumansburg HS	7:00 a.m.-3:45 p.m. 7:00 a.m.-9:30 a.m.	8:30 a.m.-6:30 p.m.	8:00 a.m.-3:30 p.m. 6:00 a.m.-noon	7:00 a.m.-noon
BASEBALL	Hoy Field, CU Freeman Field, IC	9:00 a.m.-6:00 p.m. 9:00 a.m.-6:00 p.m.	9:00 a.m.-6:00 p.m. 9:00 a.m.-6:00 p.m.	9:00 a.m.-6:00 p.m. 9:00 a.m.-7:00 p.m.	
BASKETBALL (Men's)	Ithaca HS Hill Center, IC	10:00 a.m.-10:00 p.m.	10:00 a.m.-10:00 p.m.	10:00 a.m.-10:00 p.m.	11:00 a.m.-3:00 p.m.
BASKETBALL (Women's)	Lansing HS Ithaca HS	10:00 a.m.-10:00 p.m.	10:00 a.m.-10:00 p.m.	10:00 a.m.-10:00 p.m.	8:00 a.m.-2:00 p.m.
BOWLING	Ide's Lanes	6:30 p.m.-10:00 p.m.	5:30 p.m.-9:30 p.m.	12:30 p.m.-6:00 p.m.	
BOXING	Barton Hall, CU	7:00 p.m.-11:00 p.m.	7:00 p.m.-11:00 p.m.	7:00 p.m.-10:00 p.m.	
CANOE/KAYAK	Cayuga Lake Inlet	9:00 a.m.-noon	2:00 p.m.-5:30 p.m.	8:00 a.m.-12:30 p.m.	
CYCLING	Lansing Virgil Cornell U. Lansing	9:00 a.m.-2:00 p.m.	9:00 a.m.-11:30 a.m.	9:00 a.m.-12:30 p.m.	9:00 a.m.-noon
DIVING	Teagle Pool, CU	11:00 a.m.-4:30 p.m. 7:00 p.m.-9:30 p.m.	9:00 a.m.-5:30 p.m. 7:00 p.m.-10:00 p.m.	9:00 a.m.-5:00 p.m. 7:00 p.m.-9:30 p.m.	9:30 a.m.-noon
FENCING	Newman Gym, CU	8:00 a.m.-2:00 p.m.	8:00 a.m.-2:00 p.m.	8:00 a.m.-3:00 p.m.	
FIELD HOCKEY	Ithaca College	8:00 a.m.-12:30 p.m. 4:00 p.m.-8:30 p.m.	8:00 a.m.-12:30 p.m. 4:00 p.m.-8:30 p.m.	8:00 a.m.-12:30 p.m. 4:00 p.m.-8:30 p.m.	8:00 a.m.-3:00 p.m.
GYMNASTICS	Barton Hall, CU	10:30 a.m.-1:30 p.m. 7:00 p.m.-10:00 p.m.	10:30 a.m.-1:30 p.m. 7:00 p.m.-10:00 p.m.	1:00 p.m.-4:00 p.m. 7:00 p.m.-10:00 p.m.	
ICE HOCKEY	Lynah Rink, CU	2:00 p.m.-10:00 p.m.	1:00 p.m.-9:00 p.m.	7:00 a.m.-10:00 p.m.	7:00 a.m.-2:00 p.m.
JUDO	Teagle Gym, CU		1:00 p.m.-3:00 p.m. 7:00 p.m.-9:00 p.m.	1:00 p.m.-3:00 p.m. 7:00 p.m.-9:00 p.m.	
LACROSSE	Ithaca HS Schoellkopf, CU	4:00 p.m.-6:00 p.m. 6:30 p.m.-10:30 p.m.	4:00 p.m.-6:00 p.m. 6:30 p.m.-10:30 p.m.	4:00 p.m.-6:00 p.m. 6:30 p.m.-10:30 p.m.	8:00 a.m.-2:00 p.m.
ROWING	Cayuga Lake Inlet	1:00 p.m.-4:30 p.m.	8:00 a.m.-11:30 a.m.	1:00 p.m.-5:15 p.m.	
SHOOTING	Various Gun Clubs	8:00 a.m.-5:00 p.m.	8:00 a.m.-4:30 p.m.	8:00 a.m.-4:30 p.m.	
SOCCER	Ithaca College Cornell U. Ithaca HS	8:30 a.m.-noon 8:30 a.m.-2:00 p.m. 6:30 p.m.-10:00 p.m. 8:30 a.m.-noon 6:30 p.m.-10:00 p.m.	8:30 a.m.-2:00 p.m. 8:30 a.m.-3:00 p.m. 6:30 p.m.-10:00 p.m. 8:30 a.m.-2:00 p.m. 6:30 p.m.-10:00 p.m.	8:45 a.m.-10:30 a.m. 5:00 p.m.-6:30 p.m. 8:45 a.m.-2:30 p.m. 6:00 p.m.-9:30 p.m. 5:00 p.m.-9:00 p.m.	8:30 a.m.-1:30 p.m. 8:30 a.m.-1:30 p.m.
SOFTBALL	Cass Park	10:00 a.m.-8:00 p.m.	10:00 a.m.-8:00 p.m.	9:00 a.m.-10:00 p.m.	
SWIMMING	Cass Park	8:00 a.m.-11:30 a.m. 3:00 p.m.-7:30 p.m.	8:00 a.m.-11:00 a.m. 3:00 p.m.-6:30 p.m.	8:00 a.m.-10:30 a.m. 3:00 p.m.-8:00 p.m.	
SYNC. SWIMMING	Hill Center, IC	1:00 p.m.-4:00 p.m.	3:00 p.m.-7:00 p.m.	3:00 p.m.-5:00 p.m.	1:00 p.m.-2:00 p.m.
TEAM HANDBALL	SUNY Cortland	7:00 p.m.-10:00 p.m.	9:00 a.m.-noon 7:00 p.m.-10:00 p.m.	9:00 a.m.-noon 7:00 p.m.-10:00 p.m.	10:30 a.m.-1:30 p.m.
VOLLEYBALL	Hill Center, IC	10:00 a.m.-10:00 p.m.	9:00 a.m.-10:30 p.m.	11:30 a.m.-9:30 p.m.	
WATER POLO	SUNY Cortland	7:30 a.m.-12:30 a.m.	3:30 p.m.-12:30 a.m.	3:30 p.m.-11:45 p.m.	8:45 a.m.-1:30 p.m.
WEIGHTLIFTING	Dillingham, IC	2:00 p.m.-6:00 p.m.	noon-7:00 p.m.	noon-7:00 p.m.	
WRESTLING	Barton Hall, CU	9:00 a.m.-10:00 p.m.	8:00 a.m.-10:30 p.m.	8:00 a.m.-11:00 p.m.	
YACHTING	Cayuga Lake	1:00 p.m.-6:30 p.m.	10:00 a.m.-6:30 p.m.	10:00 a.m.-2:30 p.m.	





A Cornell crew team practices on Cayuga Lake. The university has one of the largest programs of varsity sports in the nation. Its intramural program has almost 200 leagues in some 20 sports.

Culture, Athletics Part of Cornell Life

Cornell University was founded in 1865 by two men with very different educational philosophies, each fervently held. Ezra Cornell was determined to found "an institution where any person can find instruction in any study"; pragmatic and egalitarian, he wanted to train young people for careers in agriculture and industry. Andrew Dickson White was committed no less ardently to establishing "a center from which ideas . . . shall go forth to bless the nation."

Cornell has done justice to the ideals of its founders. The university today comprises nine privately endowed and four state-supported colleges, and it provides an abundance of opportunities for interdisciplinary study, research, teaching and extension service. It is a member of the Ivy League and is the land grant university for New York state. Students come from all 50 states and more than 90 foreign countries.

Cornell's decentralized structure enables its 12,600 undergraduates to enjoy the intimacy of small colleges within the diversity and complexity of a great university. Four thousand students are enrolled in the Graduate School, which is organized into about 90 fields, independent of traditional college and department units. One thousand four hundred students are enrolled in the professional schools, studying law, management and veterinary medicine, and 600 attend the Medical College and Graduate School of Medical Sciences in New York City.

Many members of the Ithaca faculty, which number about 1,600, are recognized internationally as leaders in their fields. Twenty-one Nobel laureates have been affiliated with Cornell — 13 faculty members and eight alumni. Because the quality of undergraduate education is such a high priority at Cornell, Nobel laureates routinely teach basic courses in their fields.

The university is the home of six national research centers: the Center of High Energy Synchrotron Studies, the Center for Theory and Simulation in Science and Engi-

neering (Theory Center), the Floyd R. Newman Laboratory of Nuclear Studies, the Mathematical Sciences Institute, the National Astronomy and Ionosphere Center (in Arecibo, Puerto Rico) and The National Nanofabrication Facility. Unique interdisciplinary centers and programs of study also have been developed to explore intellectual and social issues; among them are the Peace Studies Program, the International Population Program, the Africana Studies and Research Center, and the Program on Science, Technology and Society.

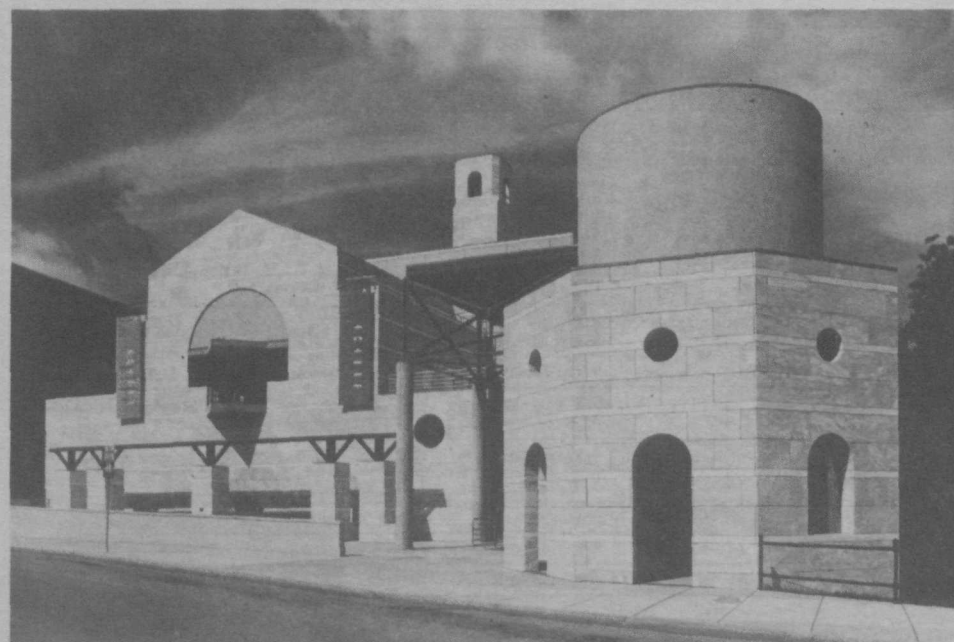
Cornell was the first major eastern university to open its doors to women and has pioneered in many other ways as well. It awarded the first degree in veterinary medicine, the first doctoral degree in electrical engineering and the first doctoral degree in industrial engineering in the United States. Cornell established the first four-year schools of hotel administration and labor relations and endowed the first chairs in U.S. literature, musicology and U.S. history.

Cultural and athletic activities are an integral part of life at Cornell. Musical activities, for example, range from annual Gilbert and Sullivan productions to an Indonesian gamelan, a black gospel choir, a classical music series and student-produced rock concerts. Cornell has one of the largest programs of varsity sports in the country, and the intramural program, with almost 200 leagues in some 20 sports, is the largest in the Ivy League.

Cornell today is the great American university for the liberally educated professional. Its position in the first tier of research universities sustains its large and distinguished faculty and contributes to its continuing leadership in pure and applied science. But with its long tradition of liberal arts excellence, its dedication to undergraduate education, its formal atmosphere and its beautiful campus, Cornell also retains the qualities of the finest small colleges.



Karen Walker of West Nyack, N.Y., goes on the offense in a basketball game against Columbia in 1988.



Cornell's Center for Theatre Arts, which opened this year, is a striking addition on the edge of the campus.

Cornell Marks of Distinction

- Cornell is the largest and youngest university in the Ivy League.
- Cornell established the first four-year schools of hotel administration and industrial and labor relations.
- Sigma Xi, the scientific honorary society, was founded at Cornell in 1886.
- Seven Cornellians founded Alpha Phi Alpha, the first black national fraternity, in 1906.
- The first academic press in the United States was established at Cornell. It is now one of the country's 10 largest university presses.
- Cornell teaches about 50 languages and was the first university to teach modern Far Eastern languages.

The unique Full-Year Asian Language Concentration allows students to study Chinese, Indonesian or Japanese intensively for a year.

• During the last decade alone, Cornell has claimed title to more than 130 patents. Research has yielded such diverse patents as a Chinese text-writer, the canine parvovirus vaccine and an ultrasonic device used to treat glaucoma.

• At the New York Hospital-Cornell Medical Center, the first eye bank in the country was opened, the first televised operation was performed, and the Pap test for detecting cancer was developed. The Burn Center is a national resource for research on, education about and treatment of, burns.

CORNELL EMPLOYMENT NEWS

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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 (PT7810) Level 35 CIT/Systems-Endowed

Design, implement, install, document and maintain systems software and significant subsystems in Unix systems. **Requirements:** Bachelor's or equivalent with computer related courses required. 3-5 years experience with operating systems (preferably Unix) and significant subsystems; knowledge of hardware concepts as they relate to software issues. Knowledge of C and IBM/370 assembler a must. Experience with VM a plus. Send cover letter and resume to Bill Webster.

Senior Systems Programmer/Analyst (PT4010) Level 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.

Associate Director (PA7804) HRH International Students and Scholars-Endowed

Administer office operations in Director's absence; handle faculty, staff, student and community inquiries; act as liaison with university units, faculty, government agencies and organizations sponsoring foreign students and academic staff; designated as school official authorized to sign and file immigration documents; advise, counsel and refer

students; assist with overall planning; personal crisis management; in general, support interests of international educational exchange.

Requirements: Master's or equivalent in higher education administration, student personnel, teaching, counseling, or other appropriate field. 2 years of significant overseas living experience is highly desirable, excellent interpersonal and communication skills, experience in cross-cultural group work, second language exposure and ability, cross-cultural advising experience required. Must possess knowledge and experience in administering U.S. immigration law/regulations. Send cover letter and resume to Cynthia Smithbower by 8/11.

Property Manager (PA7801) HRH Real Estate-Endowed

Provide property management to investment and non-investment real estate properties. Maintain good tenant relations. Oversee the physical development of major real estate projects. Manage oil and gas properties. **Requirements:** Bachelor's or equivalent. Substantial real estate related experience. Skills in property management, construction, business law and finance, and real estate. Excellent communication, problem solving and interpersonal skills. Send cover letter and resume to Search Committee: Property Manager by 8/7.

Research Support Specialist III (PT7714) HRH 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) HRH 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) HRH 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.

Systems Programmer/Analyst III (PA7802) Level 34 Theory Center-Endowed

Provide UNIX systems support, including parallel systems support, for various Theory Center computer in the Advanced Computing Facility. **Requirements:** Bachelor's in computer science or equivalent combination of education and experience. 3-5 years experience with and understanding of UNIX and UNIX-based tools; experience with multiple machine architectures; familiarity with parallel systems helpful; strong communication and interpersonal skills. Send cover letter and resume to Cynthia Smithbower.

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/Analyst II (PT5133) Level 33 Finance and Business Services-Statutory

Develop, install, maintain, document, and modify administrative systems software. Provide administrative systems applications programming/analysis support for various areas. Assist in insuring efficient and effective use of computer resources.

Requirements: Bachelor's or equivalent with computer-related courses or the equivalent combination of experience is required. Knowledge of Cornell mainframes, JCL, MVS, CMS, COBOL, Natural and ADABAS. Knowledge of IBM System 36 and its functions. 2-3 years experience with machine architecture, programming languages, production procedures and system utility programs desirable. Send cover letter and resume to Bill Webster.

Applications Programmer II (PT7806) Level 33 Human Ecology Administration-Statutory

Design, implement, modify and document applications programs on several interactive systems involving student and alumna records. Provide support for a college-wide local area network including troubleshooting, routine maintenance of hardware, workstation additions and moves, installation of software, and backup of information.

Requirements: Bachelor's or equivalent required. 2-3 years experience. Understanding of database structures, network concepts, LAN hardware and network operating software (e.g., Novell, 3COM). Knowledge of applications for batch and interactive systems and operating systems. Knowledge of at least 1 programming language. 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.

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 (near Morrison, Boyce Thompson and a temporary O lot across from B lot).

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 including 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 Wednesday, August 2 when buses will be transporting athletes from Ithaca College to Cornell between 5:30 and 6:30pm. There will also be bus traffic on Wednesday 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 Wednesday 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.

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 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?

Employees who volunteer to work at the Empire State Games during normal working hours will be granted leave with pay for those

hours that cut across their normal work schedules.

Supervisors are encouraged to make every effort to release those employees who volunteer to work at the Empire State Games. Release time will be granted at the discretion of supervisors. Some support functions may not be able to grant time off due to business needs.

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.

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.

International Student/Scholar Adviser (PA7805) HRI International Students and Scholars-Endowed

Advise international students/staff regarding immigration law and regulations, prepare and sign immigration applications for students/staff, assist in developing policies and procedures required to be in compliance with federal laws; counsel, advise and refer students/scholars regarding matters of adjustment, educational policy, finances, etc.; assist in overall international educational need of Cornell community members.

Requirements: Master's or equivalent experience. Significant overseas living experience is highly desirable; excellent interpersonal and communication skills in a cross-cultural setting required; knowledge and experience of immigration laws/regulations desirable. Clear understanding of academic hierarchy and university research environment required. Ability to work effectively with faculty. Send cover letter and resume to Cynthia Smithbower by 8/11.

Extension Support Specialist (PA7806) HRI Agricultural Economics-Statutory

Develop, write and distribute Extension publications relating to non-traditional agricultural enterprises and marketing strategies. Provide information and referrals to Extension agents, farmers and others. Assist with administrative aspects of Farming Alternatives Project. Assist in preparing grant proposals. Until 3/31/90. Continuation based on funding and need.

Requirements: Bachelor's or equivalent in agriculture or related field required. Master's or equivalent experience preferred. 3-5 years experience. Excellent written and oral communications skills. Strong interest in alternative agriculture and in developing educational programs. Strong organizational/administrative skills. Farm or Extension experience desired. Send cover letter and resume to Cynthia Smithbower by September 1.

Research Support Specialist I (PT7804) HRI Center for Environmental Research-Statutory

Work as part of a research team in the construction, testing, and implementation of a computer model of plant response to pollution stress. Interact with team members and incorporate data being generated by field experiments into the computer model.

Requirements: Bachelor's or equivalent required. 2-3 years previous experience. Familiarity with Macintosh microcomputers required. Expertise in FORTRAN, PASCAL or HYPERCARD. Experience in the study of tree physiological processes, tree stress response, or solute movement through soils preferred. Send cover letter and resume to Bill Webster.

Research Support Specialist I (PT7713) HRI 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 electron microscopy useful. Knowledge of histological techniques.

Research Support Specialist I (PT6904) HRI 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 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 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.

Technical Writer II (PC6215) HRI Information Technologies-Endowed

Plan and produce a comprehensive set of publications describing CIT offerings 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.

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.

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.

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. Continuation contingent upon funding.

Requirements: Bachelor's or equivalent required. Previous cell-culture skill desired or ability to learn quickly. Send cover letter and resume to Bill Webster.

Teaching Support Specialist (PT7208) HRI Lab 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.

Professional Off-Campus

Extension Support Specialist II (PT7805) HRI Integrated Pest Management-Geneva-Statutory

Provide technical support for the implementation of integrated pest management registry program. Determine the costs, benefits, and logistics associated with a registry program. Work with appropriate people in the state (including Cornell faculty, extension agents, NYS Agriculture and Markets personnel, etc.) to carry out the pilot effort.

Requirements: Bachelor's or equivalent required in pest management, plant protection, plant pathology, entomology, horticulture, or comparable experience; Master's or equivalent preferred. Minimum 3 years experience. Ability to work with many diverse groups. Familiarity with practical pest management practices in fruit and vegetables, and the use of microcomputers is highly desirable. Send cover letter and resume to Bill Webster.

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.

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 (T7809)

Plant Biology-Statutory Minimum Biweekly Salary: \$513.94

Prepare and examine histological preparations using cytological procedures, especially immunocytochemistry. Perform associated data gathering, photography, routine analyses. Use of microscope essential.

Requirements: Associate's or equivalent coursework or training in biology required. Bachelor's preferred. Knowledge of plants useful. Previous experience in microscopy, histology of plant and/or animal tissues and staining procedures including histochemistry.

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 (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 7/1/90, 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 care (feed, water, clean and monitor) for research animals following strict protocols for sterile or disease control environments and regulations for animal welfare. Maintain animal records. May include assisting Vets in treating and vaccinating animals.

Requirements: High School diploma or equivalent required. Associate's in Animal Science desired. Assistant Animal Certificate helpful. Knowledge of a variety of lab animals and animal breeding required. One year animal experience. Ability to lift 50 pounds. PRE-EMPLOYMENT PHYSICAL AND ALL NECESSARY IMMUNIZATIONS REQUIRED.

Technician, GR19 (T7807)

Food Science-Statutory Minimum Biweekly Salary: \$535.78

Assist in research program using recombinant DNA techniques for industrial microbiology. Carry out experimental protocols, routine maintenance of equipment and purchasing of materials and supplies.

Requirements: Minimum 2 years related coursework.

Bachelor's in microbiology or biology or equivalent desired. Experience in microbiology required; experience in recombinant DNA techniques (e.g. Southern, Northern, DNA sequencing) desired.

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, 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 experience 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. Work occasional weekends and holidays 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 plasmoid 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 (T7808)

Division of Nutritional Sciences-Statutory Minimum Biweekly Salary: \$582.29

Provide technical support for research involving the physiological basis for the effects of malnutrition on lactational performance.

Requirements: Bachelor's or equivalent in biology, biochemistry, nutrition, or related field required. 1-2 years related experience. Experience in relevant laboratory techniques with particular emphasis in radioimmunoassay procedures, biochemical assays, and small animal surgical procedures. Good interpersonal, and technical skills. Data management and statistical analysis skills highly desired.

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 safely and accurately, perform statistical analysis, greenhouse operations, and equipment repair.

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.

Computer Operator, GR23 (T7811)
Division of Nutritional Sciences-Statutory
Minimum Biweekly Salary: \$632.84
Provide support for a large microcomputer network. Install and maintain network and workstation hardware, software, and databases. Instruct network users. Provide programming for the development of applications and network services.
Requirements: Associate's or equivalent in computer science, or Bachelor's or equivalent in technical field required. Minimum 3 years experience with microcomputer hardware and software. Knowledge of computer hardware, operating systems, software, communications, and programming languages. Strong organizational, interpersonal, communication, and problem-solving skills.

Technical Temporary

Audio Technician (T7801)
Laboratory of Ornithology
Using Ampex-Studer recorders, make copies of bird song recordings for inclusion in the Library of Natural Sounds collection.
Requirements: Associate's or equivalent preferred. Experience with analog audio studio tape recorder operation desired. Experience with bird sounds and sensitive hearing preferred. Apply to Bill Webster.

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, GR17 (C7803)
Architectural Services-Endowed
Minimum Biweekly Salary: \$495.36
Provide general administrative and reception support for Architectural Services, Construction Management and Contracts Management. Clerical duties will include data entry, typing of general correspondence, forms, etc., filing, mail handling and other duties as assigned.
Requirements: High School diploma or equivalent. Good Interpersonal, communication and telephone skills essential. Operation of basic office equipment and personal

computer experience. Ability to maintain confidentiality essential. Medium typing.

Office Assistant, GR17 (C7818)
Summer Session-Endowed
Minimum Biweekly Salary: \$495.36
Serve as receptionist; process mail and requests for information; order supplies; general typing; assist registrar in registration process.
Requirements: High School diploma or equivalent. Some related office experience required. Some familiarity with Cornell desirable. Ability to work with diverse public. Excellent interpersonal and communication skills essential. Experience with Wordperfect desirable. Able to set priorities and work independently under pressure. Medium typing.

Senior Records Assistant, GR18 (C7813)
Mann Library-Statutory
Minimum Biweekly Salary: \$513.94
Record receipt of serial publications and perform related serial maintenance activities, increasingly using the NOTIS library automated system; input serial orders into NOTIS; sort and distribute mail. Other duties as assigned.
Requirements: Some college coursework. At least 1 year related experience. Good clerical skills, ability to do detailed work accurately and quickly. Previous experience in libraries desirable, especially experience using automated systems. Medium typing.

Secretary, GR18 (C7411)
Vegetable Crops-Statutory
Minimum Biweekly Salary: \$513.94
Provide secretarial support for 5 professors; type and file correspondence, scientific publications, manuscripts and department newsletter; prepare class materials; schedule travel arrangements and meetings; responsible for Library; act as receptionist to faculty group; provide telephone back-up for other secretaries.
Requirements: High School diploma or equivalent. Minimum 1 year secretarial experience. Business/secretarial school desirable. Experience with IBM/PC (or similar) computers for wordprocessing utilizing Wordperfect is essential. Aptitude for detail, ability to set priorities, and able to work well under pressure. Heavy typing.

Secretary, GR18 (C7806)
Traffic Bureau-Endowed
Minimum Biweekly Salary \$513.94
Provide secretarial and office support. Accurately transmit information concerning parking and traffic to the university community and make appropriate referrals; input data into the computer system.
Requirements: High School diploma or equivalent. Business or secretarial school desirable. Minimum 1-2 years experience and skill in general office procedures. Good organizational and communication skills. Experience with computers required (micro-computer and mainframe). Light typing.

Word Processing Operator, GR18 (C7815)
Law-Endowed
Minimum Biweekly Salary: \$513.94
Provide secretarial support to faculty. Word processing of manuscripts, briefs, correspondence, class materials; coordinate travel arrangements; prepare travel and reimbursement vouchers; research references and citations in Law Library; copy; file; answer telephone.
Requirements: High School diploma or equivalent. Business or secretarial school preferred. Office experience and familiarity with IBM-PC, Wordperfect desirable. Able to coordinate and prioritize variety of tasks necessary. Excellent organizational, interpersonal, and communication skills. Heavy typing.

Office Assistant, GR18 (C7713)
Summer Session-Endowed
Minimum Biweekly Salary: \$513.94
Provide clerical, logistical, and research support to the director, program coordinator, and administrative aide and to the department's programs. Word processing; file; mailings; run errands; answer telephone. Other duties as assigned.
Requirements: High School diploma or equivalent, business school desirable. Minimum 1-2 years related office and word processing experience. Excellent interpersonal and communication skills. IBM PC, Wordperfect, and Macintosh experience preferable.

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. Send cover letter and resume to Esther Smith.

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.

Accounts Assistant, GR19 (C7808)
Natural Resources-Statutory
Minimum Biweekly Salary: \$535.78
Reconcile approximately 60 accounts including daily voucher processing, requisitions, ID's, travel, etc. Prepare payroll vouchers and appointment forms. Prepare budgets for grant and contract proposals.

Requirements: Associate's in business or equivalent. 1-2 years related experience or 3-5 years experience in financial setting, preferably state. Experience on IBM PC using Lotus 1-2-3 and Dbase III Plus. Must be able to work under pressure, meet deadlines and prioritize. Medium typing.

Office Assistant, GR19 (C7809)
Geological Sciences-Endowed
Minimum Biweekly Salary: \$535.78
Maintain accurate department office and accounting records; provide some clerical and secretary support to faculty and staff.

Requirements: High School diploma or equivalent. Some business or secretarial school desirable. Minimum 1-2 years experience. Knowledge of IBM PC-XT, Macintosh applications. Strong organizational, interpersonal, communication skills. Medium typing.

Administrative Aide, GR19 (C7811)
Statutory Office for Capital Facilities-Statutory
Minimum Biweekly Salary: \$535.78
Type; provide word and record processing support essential to the efficient day-to-day operations of a complex and fast paced office.

Requirements: High school diploma or equivalent. Associate's strongly desired. Knowledge of statutory accounting procedures required. Minimum 2 years related office experience. Wordprocessing experience required. Knowledge of IBM PC's, Macintosh with Excel and mainframes desirable. Ability to work independently and set priorities. Light typing.

Administrative Aide, GR19 (C7817)
Statutory Finance and Business Services-Statutory
Minimum Biweekly Salary: \$535.78
Provide general administrative support to 10 accounting personnel in Restricted Fund Accounting Office. Generate management reports for office manager using System 36 IBM computer and software.

Requirements: Associate's or equivalent in secretarial science, accounting or related field. Minimum 2 years related office experience required. Knowledge and experience in operating an IBM PC (System 36 preferred), and Lotus 1-2-3/Symphony is required. DBASE III plus experience is desirable. Strong communication and organizational skills required. Medium typing.

Secretary, GR19 (C7812)
Physics-Endowed
Minimum Biweekly Salary: \$535.78
Type, print, collate and distribute technical coursework and lab manuals; operate and maintain offset press (training provided); distribute campus and U.S. mail; type purchase orders and prepare vouchers; phones; information counter; assist with graduate admissions mailings and records; order textbooks and supplies; maintain bulletin boards.
Requirements: High School diploma or equivalent; business or secretarial training desirable. Minimum 2 years related experience. Wordprocessing and computer skills, Macintosh and M/S Word preferred. Strong organizational, interpersonal, and communication skills. Willingness to learn and work with mechanical equipment. 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. Position will remain open until a suitable candidate is found.

Administrative Aide, GR20 (C7805)
Campus Affairs-Endowed
Minimum Biweekly Salary: \$558.78
Provide secretarial support to the office. Transcribe; type all correspondence, etc.; duplicate and distribute materials; maintain, organize and keep a current catalog of files;

answer telephones. Other duties as assigned. 10 month positions.
Requirements: High School diploma or equivalent. Associate's or equivalent strongly desired. Minimum 2-3 years related office experience. Strong interpersonal and communication skills. Familiar with IBM Wordperfect. Ability to work under pressure and handle confidential information. Good telephone techniques. Heavy typing.

Circulation/Reserve Supervisor, GR20 (C7814)
Music Library-CUL-Endowed
Minimum Biweekly Salary: \$558.78
Facilitate access to and circulation of the collections of the Music Library; supervise students and night supervisors; provide reference services to patrons; assist patrons in use of audio, video and computer equipment; participate in the maintenance of bibliographic information; in charge of reserve operation and overdues, fines and billing for lost and later materials; maintain student budget; in charge of library in absence of librarians.

Requirements: Associate's or equivalent in music with emphasis in music history. Bachelor's or equivalent desirable. Minimum 1-2 years related library experience. Demonstrated public service experience. Strong organization, communication (written/verbal), interpersonal and supervisory skills. Reading knowledge of at least 1 foreign language, German preferred. Light 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.

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. Position will remain open until a suitable candidate is found.

Administrative Aide, GR21 (C7013)
Programs in Professional Education and Special Programs-Endowed
Minimum Biweekly Salary: \$582.29
Assist in the administration of all aspects of the department of Programs in Professional Education, as well as Summer Session Special Programs. Take responsibility for performing the more complex assigned functions and supervise and delegate the others. Maintain computerization processes.
Requirements: Associate's or equivalent experience. Minimum 2-3 years related administrative experience. Familiar with Wordperfect, IBM and Mac computers. Excellent organizational, interpersonal and secretarial skills essential. Medium typing.

Reservations Coordinator, GR21 (C7816)
Unions and Activities-CAC-Endowed
Minimum Biweekly Salary: \$582.29
Manage/supervise/oversee the work of the CAC Service Center. Acquire full knowledge of computerized reservations system and train service center staff; schedule extracurricular activities sponsored by all departmental and registered student organizations at Cornell; advise and counsel clients about reservations.
Requirements: Associate's or equivalent. Minimum 2 years related experience. Knowledge of campus facilities and policies and procedures desirable. Effective organizational, interpersonal and communication skills, familiarity with computers (IBM). Willingness to learn new applications especially the special reservations program. Able to deal with diverse clientele. 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, GR22 (C7802)
Administrative Services-Endowed
Minimum Biweekly Salary: \$607.04
Responsible for all non-exempt payroll/personnel functions for Engineering and Facilities (200+ employees). Monitor administration and compliance with the Building Trades Council (BTC), International Union of Operating Engineers (IUOE), and United Auto Workers (UAW) union contracts; coordinate daily functions in conjunction with accounts assistant.
Requirements: Associate's or equivalent. Minimum 2 years working experience in accounting or payroll area. High attention to details. Knowledge of computers (Macintosh) required. Must have excellent interpersonal, communication, and organizational skills. Light typing.

Office Professionals Off-Campus

Library Aide, GR18 (C7810)
Library-Geneva-Statutory

Jobs *Continued from page 3*

Minimum Biweekly Salary: \$513.94

Search NOTIS and RLIN databases; verify bibliographic information; check serial holdings and add Geneva holdings to Cornell records; input original records and item, VHL records on NOTIS. 1 year appointment.

Requirements: Some college coursework or equivalent preferred. Ability to perform highly detailed and repetitive tasks accurately. Knowledge of foreign languages desirable. Medium typing.

Administrative Aide, GR22 (C7804) NYC Cooperative Extension-Statutory Minimum Biweekly Salary: \$607.04

Provide secretarial and administrative support to NYC EFNEP Program Coordinator. Serve as liaison and provide support to satellite office staff. Coordinate and make arrangements for meetings and conferences.

Requirements: High School diploma or equivalent. Associate's or equivalent desired. Minimum 3 years related experience. Demonstrated computer, organizational, supervisory, and mathematical skills required. Heavy typing.

Office Professionals Part-Time

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.

Secretary, Public Service Assistant, GR18 (C7106) Mann Library-Statutory Minimum full-time equivalent: \$513.94

Produce administrative support for Mann Library, Public Services Division. Duties include word processing; design and produce handouts and signs; maintain departmental records; process bills; compile statistics; schedule meetings and take minutes; serve as departmental receptionist. 30 hours per week. Monday-Friday, 6 hours per day between 8 a.m.-4 p.m.

Requirements: High School diploma or equivalent, some college preferred. 1 year related experience. Word processing skills, familiarity with IBM-PC or Macintosh. Ability to work with a wide variety of people in a public service capacity, set priorities, and work independently. Light typing.

Information Assistant, GR18 (C7701) Mann Library-Statutory

Minimum full-time equivalent: \$513.94

Provide information about library collection and services; answer in-person, telephone, and electronic mail questions using online and card catalogs, RLIN, and compact disk databases, reference books and other library resources; assist with maintenance of reference collection and projects. 20 hours per week including evenings and weekends. 9 month appointment.

Requirements: Associate's or equivalent with coursework in agriculture, biology, or human ecology preferred. Evidence of strong interpersonal and communication skills. Academic/research library experience is desirable.

Secretary, GR19 (C7801) Western Societies Program-Endowed Minimum full-time equivalent: \$535.78

Prepare correspondence, papers, reports, classwork for 1 professor; maintain files; coordinate conferences, seminars, meetings, travel; publicity for events; word processing (IBM compatibles). Special projects as assigned. 5 days per week, 4 hours per day. 9 month appointment.

Requirements: High School diploma or equivalent. Associate's or equivalent preferred. Minimum 1-2 years Cornell experience. Able to work with wide diversity of people. Excellent organizational, interpersonal and communication skills. Knowledge of CU forms/accounting system helpful. Medium 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. Monday-Friday, 30 hours per week.

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.

Office Professionals Temporary

In addition to posted positions, temporary opportunities occur in many occupational areas, including secretarial, word processing, accounting, and office administration. All individuals are encouraged to apply; experienced applicants with a typing speed of 45-60 wpm, knowledge of IBM-PC Word Perfect software and Macintosh word processing are in particular demand. Call Karen Raponi at (607) 255-2192 or 255-7422 for more information.

Office Assistant (S7802) Summer Session

Serve as receptionist; general clerical support; assist registrar in registration process; word processing on IBM PC. 3-4 month position.

Requirements: High School diploma or equivalent. Some office experience required. Familiar with Cornell desirable. Ability to work with diverse public. Excellent interpersonal communication skills essential. Experience with Wordperfect on IBM PC desirable. Able to set priorities and work independently under pressure. Send cover letter and resume to Karen Raponi.

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. Casual, 10 hours per week. 1 year appointment.

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.

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.

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, 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.

Bell Captain, SO03 (G6406) Statler Hotel-Endowed

Hiring Rate: \$6.28

Assist concierge to rotate assignments for bell staff. Receive calls for delivery or service and instruct bell staff accordingly. Provide pick up and delivery services. Works closely with the sales staff during group reservations and conferences. Sunday-Thursday, 11 p.m.-7:30 a.m.

Requirements: High School diploma or equivalent. Good reading and writing skills. Valid driver's license. Minimum 1-2 years hotel-related experience.

Print Machine Operator, SO09 (B7801) Print Shop-Campus Services-Endowed

Hiring Rate: \$8.29

Operate a variety of offset printing and related production equipment, producing printed product according to the specifications of the job tickets and the standards of the Print Shop. Perform routine cleaning, adjustment and repair of the equipment. Monday-Friday, 8-4:30.

Requirements: High School diploma or equivalent. 2 years of post secondary formal training in the graphic arts preferred. Minimum 7 years of job experience in a graphic arts production facility with extensive hands-on experience with off set printing presses. Send application materials to Staffing Services, 160 Day Hall by 8/11.

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 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.

Academic

Extension Associate

Insect Pest Management-Entomology-Long Island Horticultural Research Laboratory, Riverhead, Long Island

Available October 1, 1989. Extension responsibilities: interpretation of research findings and their demonstration and implementation in pest management programs. Research responsibilities: in support of IPM management techniques for major insect pests of woody and herbaceous plants (greenhouse and ornamentals) and vegetables.

Requirements: PhD in entomology or related discipline. Academic training and research experience in applied aspects of insect pest management. Strong interest in and

commitment to extension. Willingness to seek external grant support and to contribute to interdisciplinary projects with colleagues in entomology, horticulture, agricultural economics, plant pathology, and other related disciplines. Send cover letter, vita, list of publications (include reprints), transcripts (post-secondary education), and names and addresses of three references to Quentin D. Wheeler, Department of Entomology, Cornell University, Comstock Hall, Ithaca, NY 14853-0999 by August 15.

Senior Research Associate/Economist Nutritional Sciences

Plan and implement research on the effects of macroeconomic policies on household living standards and food security in Africa. Develop and coordinate country case studies as well as cross-country integrative research. Interaction extensively with host country officials and donor agency representatives. Oversee primary data collection efforts and establish project field offices.

Requirements: PhD in economics, agricultural economics, or related field, extensive experience in quantitative analysis, and proven capability in econometric modelling. Fluency in French is strongly preferred. Strong background in macroeconomics and/or familiarity with demand analysis desirable. This position will be located in Washington, D.C. with frequent travel expected. Send letter of application, curriculum vitae, and 3 references to David E. Sahn, Deputy Director/CNSP, Cornell University, Cornell Food and Nutrition Policy Program, 1400 16th Street, N.W., Suite 420, Washington, D.C. 20036.

Senior Extension Associate NYS Human Ecology

Develop and implement curriculum and instruction for continuing professional education for social services and residential care personnel. Extensive travel for delivery of training required.

Requirements: Six years experience in teaching, curriculum development and supervision. PhD in social work or related human services profession. Demonstrated writing ability. Computer literate, knowledge of DOS, Lotus 1-2-3, Dbase III and SPSS. Send vita and 2 references by August 8 to Dr. Jeanne Mueller, Cornell University, Dept. of Human Service Studies, Ithaca, NY 14853.

Teaching Associate Chemistry

Teaching Associate in General Chemistry and other chemistry courses. Duties will include conducting laboratory sessions and/or grading and holding office hours. Full-time, part-time, temporary. Fall 1989 and/or Spring 1990. **Requirements:** Bachelor's in chemistry, biology or physics is required. A Master's and teaching experience is preferred. Send cover letter, resume and 3 references to Earl Peters, Chemistry Department, 122 Baker Lab, Cornell University, Ithaca, NY 14853 by 8/3.

Job Prospecting Booklet Available

Newcomers to the area are invited to ask for our booklet: "Just For Your Information: Job Prospecting in the Ithaca Area." Call Staffing Services, 5-5226, for a copy.

Aetna Claims Processing Backlog

Faculty and staff covered under the Endowed Health Care Program need to be aware that our claims processor, the Aetna, is running behind in their claims processing operation. It is taking them an extra week and a half to two weeks to process claims. They have assured us that the backlog of claims will be caught up within 2 weeks and asked for our patience as Aetna resolves its operational difficulties.

Cornell Employment News

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Office of Equal Opportunity (607) 255-3976

EQUAL
Opportunity at Cornell

CORNELL EMPLOYMENT NEWS

Summer Edition

August 3, 1989

Volume 1, Number 30

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.

Operations Manager (Rooms Division Director) (PA7905) HRII Statler Hotel-Endowed

Directly responsible to the Managing Director of the hotel for the proper supervision and functions of the Front Office and Housekeeping departments. Some nights and weekends.

Requirements: Bachelor's in hotel management or equivalent required; advanced degree preferred. 3-5 years experience in management or upper level hotel position. 2 years in a Front Office operation. Good working knowledge of hotel computerized front office systems. Send cover letter and resume to Cynthia Smithbower.

Associate Director (PA7804) HRII International Students and Scholars-Endowed

Administer office operations in Director's absence; handle faculty, staff, student and community inquiries; act as liaison with university units, faculty, government agencies and organizations sponsoring foreign students and academic staff; designated as school official authorized to sign and file immigration documents; advise, counsel and refer students; assist with overall planning; provide personal crisis management; in general, support interests of international educational exchange.

Requirements: Master's or equivalent in higher education administration, student personnel, teaching, counseling, or other appropriate field. 2 years of significant overseas living experience is highly desirable, excellent interpersonal and communication skills, experience in cross-cultural group work, second language exposure and ability, cross-cultural advising experience required. Must possess knowledge and experience in administering U.S. immigration law/regulations. Send cover letter and resume to Cynthia Smithbower by 8/11.

Property Manager (PA7801) HRII Real Estate-Endowed

Provide property management to investment and non-investment real estate properties. Maintain good tenant relations. Oversee the physical development of major real estate projects. Manage oil and gas properties.

Requirements: Bachelor's or equivalent. Substantial real estate related experience. Skills in property management, construction, business law and finance, and real estate. Excellent communication, problem solving and interpersonal skills. Send cover letter and resume to Search Committee: Property Manager by 8/7.

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.

Senior Applications Programmer/Analyst II (Assistant Computer Systems Manager) (PT7903) Level 35

National Nanofabrication Facility-Endowed
Work with computing systems manager to maintain the availability and enhance the capabilities of the computer systems. Train and assist users.

Requirements: Bachelor's or equivalent in computer science required. 3-5 years experience in some combina-

tion of VMS, CAD, Pascal, Fortran, commercial programming and user services preferred. Send cover letter and resume to Dennis Costello, NNF Knight Lab, Cornell University, Ithaca, NY 14853 by August 15.

Systems Analyst III (PT7908) HRII Level 35 DL-Quality Milk Promotion Services-Statutory

Analyze, design, develop, implement and document computer applications for Quality Milk Promotion Services in a network and micro environment having several components or inter-relationships with other hardware and software systems. Diagnose and correct production systems software problems. Work with staff to analyze project data. Strong interpersonal and communication skills.

Requirements: Bachelor's or equivalent (3-5 years experience) required. Statistical experience desirable. 1-2 years experience in analytical/problem solving with micros. Strong background and knowledge of DBASE III+ as well as experience in editing existing DBASE III+ programs required. Knowledge of word processors, utility programs, MS-DOS operating system, and IBM compatibles required. Send cover letter and resume to Bill Webster.

Systems Programmer/Analyst III (PA7802) Level 34 Theory Center-Endowed

Provide UNIX systems support, including parallel systems support, for various Theory Center computers in the Advanced Computing Facility.

Requirements: Bachelor's in computer science or equivalent combination of education and experience. 3-5 years experience with and understanding of UNIX and UNIX-based tools; experience with multiple machine architectures; familiarity with parallel systems helpful; strong communication and interpersonal skills. Send cover letter and resume to Cynthia Smithbower.

Applications Programmer/Analyst II (PT7912) Level 33 CIT/IR-Endowed

Under direct supervision, design, develop, modify and document straight forward applications software in support of a major administrative system.

Requirements: Bachelor's or equivalent with computer related courses required. 2-3 years experience. Knowledge of at least 2 languages (PL/1, Natural, COBOL, Mark IV). Knowledge of applications for interactive and batch administrative systems, data base management systems, machine architecture, system utility programs, VM/CMS. Send cover letter and resume to Bill Webster.

Technical Consultant II (PT6802) Level 33

Biotechnology Program-E

Provide technical support to users and system maintenance of Hewlett Packard molecular graphics workstations and microvax computers for on-going research projects using the facilities. Provide consultation to faculty, staff and students.

Requirements: Bachelor's or equivalent in computing or biological sciences required. Minimum two years experience in science computing. Strong interpersonal, communication, and organizational skills. Send cover letter and resume to Bill Webster.

Applications Programmer/Analyst II (PT5133) Level 33 Finance and Business Services-Statutory

Develop, install, maintain, document, and modify administrative systems software. Provide administrative systems applications programming/analysis support for various areas. Assist in insuring efficient and effective use of computer resources.

Requirements: Bachelor's or equivalent with computer-related courses or the equivalent combination of experience is required. Knowledge of Cornell mainframes, JCL, MVS, CMS, COBOL, Natural and ADABAS. Knowledge of IBM System 36 and its functions. 2-3 years experience with machine architecture, programming languages, production procedures and system utility programs desirable. Send cover letter and resume to Bill Webster.

Aetna Claims Processing Backlog

Faculty and staff covered under the Endowed Health Care Program need to be aware that our claims processor, the Aetna, is running behind in their claims processing operation. It is taking them an extra week and a half to two weeks to process claims. They have assured us that the backlog of claims will be caught up within two weeks and asked for our patience as Aetna resolves its operational difficulties.

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.)

8/04/89	10/27/89
8/16/89	11/10/89
8/31/89*	11/21/89
9/15/89	12/08/89*
10/13/89	12/19/89

*Early deadlines due to Labor Day, Thanksgiving and Christmas.

Important Information:

Campus Parking to be Altered During Empire State Games

Parking Rules for August 3-4

Will Empire State Games participants be using Cornell parking lots?

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 (near Morrison, Boyce Thompson and a temporary O lot across from B lot).

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 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?

Employees who volunteer to work at the Empire State Games during normal working hours will be granted leave with pay for those hours that cut across their normal work schedules.

Supervisors are encouraged to make every effort to release those employees who volunteer to work at the Empire State Games. Re-

lease time will be granted at the discretion of supervisors. Some support functions may not be able to grant time off due to business needs.

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.

Applications Programmer II (PT7806) Level 33 Human Ecology Administration-Statutory
Design, implement, modify and document applications programs on several interactive systems involving student and alumna records. Provide support for a college-wide local area network including troubleshooting, routine maintenance of hardware, workstation additions and moves, installation of software, and backup of information.
Requirements: Bachelor's or equivalent required. 2-3 years experience. Understanding of database structures, network concepts, LAN hardware and network operating software (e.g., Novell, 3COM). Knowledge of applications for batch and interactive systems and operating systems. Knowledge of at least 1 programming language. Send cover letter and resume to Bill Webster.

Applications Programmer/Analyst I (PT7911) Level 32 CIT/IR-Endowed
Under direct supervision, maintain, develop, modify and document routine applications software in support of a major administrative system.
Requirements: Bachelor's or equivalent with computer related courses required. 1-2 years experience. Knowledge of at least 2 languages (PL/1, Natural, COBOL, Mark IV). Knowledge of applications for interactive and batch administrative systems, data base management systems, machine architecture, system utility programs, VM/CMS. 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.

Manager of Systems (PT7901) HRI Bursar-Endowed
Responsible for all aspects of system development and administration. Supervise and manage the Systems Department which operates several mainframe computer systems, including the Student Finance System, Cornell-card System, Loan Management System, Cornell Installment Plan and a departmental microcomputer local area network. Introduce and implement fresh technological ideas to enhance the overall operation.
Requirements: Bachelor's or equivalent required; systems related course work a plus. Interest in and experience using computers required. Ability to communicate and work with people is important for success. Interest in supervision, business operations and problem solving orientation are necessary. Send cover letter and resume to Bill Webster by August 25.

Budget Analyst II (PC7914) HRI Financial Planning and Budget Management-Endowed
Assist in the development and execution of the annual Endowed operating budget including all fund types except grants and contracts, and all operating units. Assist in the design and implementation during the year of the University's general purpose budget model and tracking system for income, transfers, and expenditures.
Requirements: Bachelor's or equivalent plus minimum 2 years experience in budgeting at a university/corporate level. Requires detailed knowledge of electronic spreadsheets and a general knowledge of mainframe computer databases. Regular contact internally with business managers and accounting and budgeting staff on a variety of budget and accounting matters. Infrequent contact externally with budget personnel at other universities. Send cover letter and resume to Esther Smith.

Research Support Specialist I (PT7902) HRI Clinical Sciences-Statutory
Assist in the design, conduct and management of a veterinary survey research project. Coordinate interviews, survey materials and data analysis. Supervise 2-3 interviewers.
Requirements: Bachelor's or equivalent required. Master's preferred. Management experience in a veterinary hospital desired. Send cover letter and resume to Bill Webster.

Conservation Specialist (PA7908) HRI A.R. Mann Library-Statutory
Plan and implement a variety of conservation activities in the Mann and Entomology Libraries. Develop preservation photocopy capability; coordinate preservation surveying, screening and searching; participate in the selection of materials for preservation; write grant proposals. Conduct bibliographic searching of gifts and other materials. Execute special projects in the Collection Development Division.
Requirements: Bachelor's or equivalent. Background in agriculture, human ecology, or the life sciences desirable. Research library work experience (particularly in conservation and searching) highly desirable. Knowledge of basic conservation treatments and processes, and experience in conservation-related work desired. Send cover letter, resume and names of 3 references to Cynthia Smithbower by August 21 or until a suitable candidate is found.

Staff Nurse (PA7907) HRI University Health Services-Endowed
Screen, assess, treat or refer patients utilizing clinical skills. Provide nursing care in the Overnight Observation Unit. Assist physicians and Health Associates; supervise Nurses Aides.
Requirements: Must possess New York State Nursing License. Experience in clinic nursing and emergency nursing desirable. Send cover letter and resume to Cynthia Smithbower.

Architectural Designer (PA7909) HRI Facilities Engineering-Endowed
Assist in the design, preparation of cost estimates and drawings, specifications and construction documents for maintenance, repair and alteration projects that relate to the Architectural Section.
Requirements: Associate's in architectural technology or equivalent required. Must have and maintain a valid driver's license. Knowledge of architectural drafting, detailing, building materials, building codes, and construction. Must have working knowledge of construction techniques and related engineering. Computer familiarity preferred. Experience working with building codes highly preferred. Send cover letter and resume to Cynthia Smithbower by August 17.

International Student/Scholar Adviser (PA7805) HRI International Students and Scholars-Endowed
Advise international students/staff regarding immigration law and regulations, prepare and sign immigration applications for students/staff, assist in developing policies and procedures required to be in compliance with federal laws; counsel, advise and refer students/scholars regarding matters of adjustment, educational policy, finances, etc.; assist in overall international educational need of Cornell community members.
Requirements: Master's or equivalent experience. Significant overseas living experience is highly desirable; excellent interpersonal and communication skills in a cross-cultural setting required; knowledge and experience of immigration laws/regulations desirable. Clear understanding of academic hierarchy and university research environment required. Ability to work effectively with faculty. Send cover letter and resume to Cynthia Smithbower by 8/11.

Extension Support Specialist (PA7806) HRI Agricultural Economics-Statutory
Develop, write and distribute Extension publications relating to non-traditional agricultural enterprises and marketing strategies. Provide information and referrals to Extension agents, farmers and others. Assist with administrative aspects of Farming Alternatives Project. Assist in preparing grant proposals. Until 3/31/90. Continuation based on funding and need.
Requirements: Bachelor's or equivalent in agriculture or related field required. Master's or equivalent experience preferred. 3-5 years experience. Excellent written and oral communications skills. Strong interest in alternative agriculture and in developing educational programs. Strong organizational/administrative skills. Farm or Extension experience desired. Send cover letter and resume to Cynthia Smithbower by September 1.

Research Support Specialist I (PT7804) HRI Center for Environmental Research-Statutory
Work as part of a research team in the construction, testing, and implementation of a computer model of plant response to pollution stress. Interact with team members and incorporate data being generated by field experiments into the computer model.
Requirements: Bachelor's or equivalent required. 2-3 years previous experience. Familiarity with Macintosh microcomputers required. Expertise in FORTRAN, PASCAL or HYPERCARD. Experience in the study of tree physiological processes, tree stress response, or solute movement through soils preferred. Send cover letter and resume to Bill Webster.

Research Support Specialist I (PT7713) HRI 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 electron microscopy useful. Knowledge of histological techniques.

Research Support Specialist I (PT6904) HRI 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 to flow cytometry and tissue culture). Send cover letter and resume to Bill Webster.

Staff Writer II (PC7708) HRI Media Services-Statutory
Research, write, edit and produce radio news 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.

Technical Writer II (PC6215) HRI Information Technologies-Endowed
Plan and produce a comprehensive set of publications describing CIT offerings 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 follow-

ing 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.

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 (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. Continuation contingent upon funding.
Requirements: Bachelor's or equivalent required. Previous cell-culture skill desired or ability to learn quickly. Send cover letter and resume to Bill Webster.

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.

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.

Staff Nurse (PA7906) HRI University Health Services-Endowed
Screen and provide emergency service as well as basic nursing care to patients at Gannett Health Center's Overnight/Observation Area Unit. 4 p.m.-12 a.m. 20 hours per week.
Requirements: New York State Registered Nurse's License. 3 year nursing program degree required. 1 or more years recent experience required. Emergency room, hospital or outpatient nursing experience preferred. Send cover letter and resume to Cynthia Smithbower by Aug 15.

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 (T7809) Plant Biology-Statutory
Minimum Biweekly Salary: \$513.94
Prepare and examine histological preparations using cytological procedures, especially immunocytochemistry. Perform associated data gathering, photography, routine analyses. Use of microscope essential.
Requirements: Associate's or equivalent coursework or training in biology required. Bachelor's preferred. Knowledge of plants useful. Previous experience in microscopy, histology of plant and/or animal tissues and staining procedures including histochemistry.

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 (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 care (feed, water, clean and monitor) for research animals following strict protocols for sterile or disease control environments and regulations for animal welfare. Maintain animal records. May include assisting Vets in treating and vaccinating animals.
Requirements: High School diploma or equivalent required. Associate's in Animal Science desired. Assistant Animal Certificate helpful. Knowledge of a variety of lab animals and animal breeding required. One year animal experience. Ability to lift 50 pounds. PRE-EMPLOYMENT PHYSICAL AND ALL NECESSARY IMMUNIZATIONS REQUIRED.

Technician, GR19 (T605) 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.

Animal Health Technician, GR20 (T7906) Veterinary Medical Teaching Hospital-Statutory
Minimum Biweekly Salary: \$558.78
Educate, assist and supervise senior veterinary students, AHT externs and staff as to proper procedures of Animal Health Care for clinical patients.
Requirements: Associate's or equivalent in animal health technology. NYS licensed (or eligible for licensure) Animal Health Technician. 2 years experience working with small animals preferred.

Technician, GR20 (T7904) Plant Breeding and Biometry-Statutory
Minimum Biweekly Salary: \$558.78
Extract DNA, run and blot gels, isolate and screen plasmoid 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 grad students. Continuation contingent upon funding.
Requirements: Bachelor's or equivalent in biology, genetics, biochemistry or related discipline required. Minimum 1-3 years lab experience preferred.

Technician, GR20 (T7909) Diagnostic Laboratory-Statutory
Minimum Biweekly Salary: \$558.78
Assist GR21 Technicians in the Bacteriology Section of the Diagnostic Laboratory in the preparation and quality control of special formulations of media and reagents used for the cultivation of the animal pathogens. Maintain quality control records and procedures for annual licensing review.
Requirements: Bachelor's or equivalent required. Minimum 1 year related lab experience. Coursework or experience in microbiology.

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 (T7706) Clinical Sciences-Statutory
Minimum Biweekly Salary: \$558.78
Supervise equine respiration and performance area, including exercise treadmill. Assist with experimental procedures on animals. Work occasional weekends and holidays 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.

Animal Health Technician, GR20 (T7202, T7905) 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 (T7808)
Division of Nutritional Sciences-Statutory
Minimum Biweekly Salary: \$582.29

Provide technical support for research involving the physiological basis for the effects of malnutrition on lactational performance.

Requirements: Bachelor's or equivalent in biology, biochemistry, nutrition, or related field required. 1-2 years related experience. Experience in relevant laboratory techniques with particular emphasis in radioimmunoassay procedures, biochemical assays, and small animal surgical procedures. Good interpersonal, and technical skills. Data management and statistical analysis skills highly desired.

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, GR22 (T7907)
Veterinary Pathology-Statutory
Minimum Biweekly Salary: \$607.04

Provide technological support for research in the molecular pathogenesis of neuromuscular disease, in particular X-linked muscular dystrophy (Duchenne-type). Primarily responsible for molecular and biochemical aspects of research and for conduct of experimental procedures. Participate in organization and maintenance of laboratory. **Requirements:** Bachelor's or equivalent in biological science. 1 year minimum documentable experience in laboratory procedures, preferably involving molecular techniques and/or cell culture. Working knowledge of appropriate laboratory equipment. Familiarity with handling radioactive compounds. Animal handling experience desired.

Computer Operator, GR23 (T7811)
Division of Nutritional Sciences-Statutory
Minimum Biweekly Salary: \$632.84

Provide support for a large microcomputer network. Install and maintain network and workstation hardware, software, and databases. Instruct network users. Provide programming for the development of applications and network services.

Requirements: Associate's or equivalent in computer science, or Bachelor's or equivalent in technical field required. Minimum 3 years experience with microcomputer hardware and software. Knowledge of computer hardware, operating systems, software, communications, and programming languages. Strong organizational, interpersonal, communication, and problem-solving skills.

CHESS Operator, GR24 (T7910)
CHESS-Endowed
Minimum Biweekly Salary: \$662.90

Interact with user groups on technical and scientific problems. Implement safety codes. Responsible for covering CHESS system malfunctions and software problems associated with instrument control. May assist in experimental programs. Some evening and weekend hours required.

Requirements: Bachelor's or equivalent in technical field such as engineering or physics required. No experience necessary. Good mechanical skill and lab skills. Programming experience preferred.

Technical Temporary

Audio Technician (T7801)
Laboratory of Ornithology

Using Ampex-Studer recorders, make copies of bird song recordings for inclusion in the Library of Natural Sounds collection.

Requirements: Associate's or equivalent preferred. Experience with analog audio studio tape recorder operation desired. Experience with bird sounds and sensitive hearing preferred. Apply to Bill Webster.

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 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.

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 (C7913)
Statler Hotel-Endowed
Minimum Biweekly Salary: \$460.20

Perform cashiering duties in all food and beverage outlets. Accurately record the sales and settle checks for all outlets.

Tuesday-Saturday, 4 p.m.-midnight.

Requirements: Able to read and write and possess good basic math skills. High School education preferred. 3-6 months cashiering experience in a high volume establishment preferred.

Circulation/Reserve Assistant, GR17 (C7906)
Mann Library-Statutory

Minimum Biweekly Salary: \$495.36

Work regularly scheduled shifts at both circulation and reserve desks. Assist with the supervision of student assistants during daily shifts at desks and with various collection maintenance functions: shelving, shifting, and planning shifts.

Requirements: Some college coursework. Ability to work with a wide variety of people in a public service capacity. Organizational and interpersonal skills essential.

Office Assistant, GR17 (C7907)

Messenger Mail Services-Endowed

Minimum Biweekly Salary: \$495.36

Sort U.S., Campus mail and prepare mail to the appropriate Messenger Service routes; correct addresses through the use of a microcomputer.

Requirements: High School diploma or equivalent. Familiarity with Cornell Campus and U.S. Postal Services rules and regulations helpful. Light typing.

Office Assistant, GR17 (C7803)

Architectural Services-Endowed

Minimum Biweekly Salary: \$495.36

Provide general administrative and reception support for Architectural Services, Construction Management and Contracts Management departments. Clerical duties will include data entry, typing of general correspondence, forms, etc., filing, mail handling and other duties as assigned.

Requirements: High School diploma or equivalent. Good interpersonal, communication and telephone skills essential. Operation of basic office equipment and personal computer experience. Ability to maintain confidentiality essential. Medium typing.

Office Assistant, GR17 (C7818)

Summer Session-Endowed

Minimum Biweekly Salary: \$495.36

Serve as receptionist; process mail and requests for information; order supplies; general typing; assist registrar in registration process.

Requirements: High School diploma or equivalent. Some related office experience required. Some familiarity with Cornell desirable. Ability to work with diverse public. Excellent interpersonal and communication skills essential. Experience with Wordperfect desirable. Able to set priorities and work independently under pressure. Medium typing.

Accounts Assistant, GR18 (C7903)

Controller's/Accounting-Endowed

Minimum Biweekly Salary: \$513.94

Provide assistance in maintaining accounting records and generating payments; responsible for accurate inputting of large, continuous volume of data from a variety of input forms. Other duties as assigned.

Requirements: High School diploma or equivalent. Data entry certificate highly desirable. Minimum 1-2 years data entry experience. Experience with CU accounting procedures preferred. Able to work well with a variety of individuals. Pay attention to detail, work accurately while meeting a variety of deadlines. Heavy typing.

Reception/Reservations Assistant, GR18 (C7916)

Unions and Activities-CAC-Endowed

Minimum Biweekly Salary: \$513.94

Initiate scheduling of extra-curricular activities on campus; responsible for student organization registration; provide information and reception services to students, faculty and visitors; provide secretarial support for Assistant Director of Student Activities and Class Officer Advisor; provide telephone backup for several offices.

Requirements: High School diploma or equivalent. Minimum 1-2 years related experience. Knowledge of campus facilities, policies and personnel. Effective organizational, interpersonal and communication skills. Be familiar with PC XT and willing to learn new applications. Ability to deal with a diverse constituency. Medium typing.

Secretary, GR18 (C7915)

Agricultural Economics-Statutory

Minimum Biweekly Salary: \$513.94

Provide secretarial, administrative, research and extension support for 2 professors. Support programs in teaching, research and extension; type and edit manuscripts using an Apple Mac and IBM compatible PC; extract figures, compile and do simple number calculations.

Requirements: High School diploma or equivalent. Some business or secretarial school desirable. Bilingual in English/Spanish desirable. Minimum 1 year experience. Able to type and edit manuscripts. Knowledge of Microsoft Word and Microsoft Excel and its use on an Apple Mac and IBM compatible desirable. Medium typing. Send cover letter and resume to Esther Smith.

Senior Records Assistant, GR18 (C7813)

Mann Library-Statutory

Minimum Biweekly Salary: \$513.94

Record receipt of serial publications and perform related serial maintenance activities, increasingly using the NOTIS library automated system; input serial orders into NOTIS; sort and distribute mail. Other duties as assigned.

Requirements: Some college coursework. At least 1 year related experience. Good clerical skills, ability to do detailed work accurately and quickly. Previous experience in libraries desirable, especially experience using automated systems. Medium typing.

Secretary, GR18 (C7411)

Vegetable Crops-Statutory

Minimum Biweekly Salary: \$513.94

Provide secretarial support for 5 professors; type and file correspondence, scientific publications, manuscripts and department newsletter; prepare class materials; schedule travel arrangements and meetings; responsible for Library; act as receptionist to faculty group; provide telephone back-up for other secretaries.

Requirements: High School diploma or equivalent. Minimum 1 year secretarial experience. Business/secretarial school desirable. Experience with IBM/PC (or similar) computers for wordprocessing utilizing Wordperfect is essential. Aptitude for detail, ability to set priorities, and able to work well under pressure. Heavy typing.

Secretary, GR18 (C7806)

Traffic Bureau-Endowed

Minimum Biweekly Salary: \$513.94

Provide secretarial and office support. Accurately transmit information concerning parking and traffic to the university community and make appropriate referrals; input data into the computer system.

Requirements: High School diploma or equivalent. Business or secretarial school desirable. Minimum 1-2 years experience and skill in general office procedures. Good organizational and communication skills. Experience with computers required (micro-computer and mainframe). Light typing.

Word Processing Operator, GR18 (C7815)

Law-Endowed

Minimum Biweekly Salary: \$513.94

Provide secretarial support to faculty. Word processing of manuscripts, briefs, correspondence, class materials; coordinate travel arrangements; prepare travel and reimbursement vouchers; research references and citations in Law Library; copy; file; answer telephone.

Requirements: High School diploma or equivalent. Business or secretarial school preferred. Office experience and familiarity with IBM-PC, Wordperfect desirable. Able to coordinate and prioritize variety of tasks necessary. Excellent organizational, interpersonal, and communication skills. Heavy typing.

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 & 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. Send cover letter and resume to Esther Smith. Position will remain open until a suitable candidate is found.

Secretary, GR19 (C7909)

JGSM-Endowed

Minimum Biweekly Salary: \$535.78

Provide word processing and administrative support for faculty members using the Macintosh. This entails a broad set of responsibilities which includes execution and completion of all incoming work with emphasis on technical typing.

Requirements: Associate's or equivalent. Minimum 2-3 years secretarial/office experience. Familiarity with word processors and Macintosh computers. Heavy typing.

Student Service Representative, GR19 (C7908)

University Registrar-Endowed

Minimum Biweekly Salary: \$535.78

Provide personal service to individual students, alumni and staff; prepare, certify and transmit CU transcripts; certify, validate CU students enrollment, degree status or record of academic achievement from external organizations, agencies and students.

Requirements: High School diploma or equivalent required. Associate's or equivalent preferred. Minimum 1-3 years related experience required. Computer input experience. Excellent interpersonal and organizational skills. Heavy typing.

Secretary, GR19 (C7917)

Graduate School-Dean's Office-Endowed

Minimum Biweekly Salary: \$535.78

Provide clerical and receptionist support for Graduate Dean's Office staff. Maintain an inventory and reconciliation of all Graduate School office supplies; reconcile phone bills; provide backup for switchboard/mail person; make campus deliveries.

Requirements: High School diploma or equivalent. Minimum 2 years related experience. Experience with IBM PCs, Wordperfect required; dBase desired; knowledge of Mac helpful. Must be confidential, organized and detail-oriented. Medium typing.

Accounts Assistant, GR19 (C7904)

Controller's/Endowed Accounting-Endowed

Minimum Biweekly Salary: \$535.78

Provide assistance in maintaining accounting records; generating payments, void and not replaced CU checks; handle special jobs on computer. Other duties as assigned.

Requirements: High School diploma or equivalent. Minimum 1-2 years related experience. Experience with CU accounting procedures preferred. Working knowledge of IBM 3178 and System 36. Able to work well with a variety of individuals. Work accurately while meeting a variety of deadlines.

Accounts Assistant, GR19 (C7910)

Campus Store-Endowed

Minimum Biweekly Salary: \$535.78

Function as team member in retail store business office. Primary duties may focus on sales reconciliation, accounts receivable, or accounts payable; secondary duties are to fill-in when necessary in other than primary areas; handle confidential information, computer data input and interpretation. Monday-Friday, 8:30-5:00, some weekends.

Requirements: Associate's or equivalent experience. Minimum 1-2 years related experience. Computer and accounting experience essential. Knowledge of retail preferred. Good interpersonal and communications skills required. Ability to work quickly and accurately under pressure.

Accounts Assistant, GR19 (C7808)

Natural Resources-Statutory

Minimum Biweekly Salary: \$535.78

Reconcile approximately 60 accounts including daily voucher processing, requisitions, ID's, travel, etc. Prepare payroll vouchers and appointment forms. Prepare budgets for grant and contract proposals.

Requirements: Associate's in business or equivalent. 1-2 years related experience or 3-5 years experience in financial setting, preferably state. Experience on IBM PC using Lotus 1-2-3 and dBase III Plus. Must be able to work under pressure, meet deadlines, & prioritize. Medi typing.

Office Assistant, GR19 (C7809)

Geological Sciences-Endowed

Minimum Biweekly Salary: \$535.78

Maintain accurate department office and accounting records; provide some clerical and secretary support to faculty and staff.

Requirements: High School diploma or equivalent. Some business or secretarial school desirable. Minimum 1-2 years experience. Knowledge of IBM PC-XT, Macintosh applications. Strong organizational, interpersonal, communication skills. Medium typing.

Administrative Aide, GR19 (C7811)

Statutory Office for Capital Facilities-Statutory

Minimum Biweekly Salary: \$535.78

Type; provide word and record processing support essential to the efficient day-to-day operations of a complex and fast paced office.

Requirements: High school diploma or equivalent. Associate's strongly desired. Knowledge of statutory accounting procedures required. Minimum 2 years related office experience. Word processing experience required. Knowledge of IBM PC's, Macintosh with Excel and mainframes desirable. Ability to work independently and set priorities. Light typing.

Administrative Aide, GR19 (C7817)

Statutory Finance and Business Services-Statutory

Minimum Biweekly Salary: \$535.78

Provide general administrative support to 10 accounting personnel in Restricted Fund Accounting Office. Generate management reports for office manager using System 36 IBM computer and software.

Requirements: Associate's or equivalent in secretarial science, accounting or related field. Minimum 2 years related office experience required. Knowledge and experience in operating an IBM PC (System 36 preferred), and Lotus 1-2-3/Symphony is required. DBASE III plus experience is desirable. Strong communication and organizational skills required. Medium typing.

Secretary, GR19 (C7812)

Physics-Endowed

Minimum Biweekly Salary: \$535.78

Type, print, collate and distribute technical coursework and lab manuals; operate and maintain offset press (training provided); distribute campus and U.S. mail; type purchase orders and prepare vouchers; phones; information counter; assist with graduate admissions mailings and records; order textbooks and supplies; maintain bulletin boards.

Requirements: High School diploma or equivalent; business or secretarial training desirable. Minimum 2 years related experience. Wordprocessing and computer skills, Macintosh and M/S Word preferred. Strong organizational, interpersonal, & communication skills. Willingness to learn and work with mechanical equipment. Medi 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. Position will remain open until a suitable candidate is found.

Secretary, GR20 (C7721)

Pharmacology-Statutory

Minimum Biweekly Salary: \$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.

Secretary, GR20 (C7911)

Plant Biology-Statutory

Minimum Biweekly Salary: \$558.78

Provide administrative, receptionist, and secretarial support for department chairperson and Administrative Manager as needed. Type and process department and business office forms including travel, requisitions, vouchers, CU Stores, Facilities and Services Billings; gather course information for catalog copy and process reports as required.

Requirements: Associate's or equivalent. Minimum 2 years related experience. Knowledge of statutory forms and procedures highly desirable. Knowledge of Wordperfect and Database III helpful. Excellent organizational, interpersonal and communications (written and oral) skills. Heavy typing.

Administrative Aide, GR20 (C7902)

Engineering-Dean's Office-Endowed

Minimum Biweekly Salary: \$558.78

Provide administrative support for the Dean's Office. Assist and receive visitors at the front desk; act as building coordinator for Carpenter Hall; able to handle correspondence confidential in nature; prepare large mailings; arrange meetings.

Requirements: Associate's or equivalent. Minimum 2 years related experience. Must have proven ability with word processors (Apple preferred). Handle highly confidential information. Medium typing.

Administrative Aide, GR20 (C7901)

Computer Science-Endowed

Minimum Biweekly Salary: \$558.78

Provide administrative and clerical support to the Office of Undergraduate Programs; manage the department library/publications unit. Manage the production and coordination of course materials and library-related technical reports; serve as information resource; coordinate office activities.

Requirements: Associate's or equivalent. Minimum 2 years related experience in a University environment. Excellent organization and human relations skills. Demonstrated ability to work with diverse groups. Attention to detail and ability to prioritize. Excellent typing and word processing skills a must. Medium typing.

Administrative Aide, GR20 (C7805)

Campus Affairs-Endowed

Minimum Biweekly Salary: \$558.78

Provide secretarial support to the office. Transcribe; type all correspondence, etc.; duplicate and distribute materials; maintain, organize and keep a current catalog of files; answer telephones. Other duties as assigned. 10 month positions.

Requirements: High School diploma or equivalent. Associate's or equivalent strongly desired. Minimum 2-3 years related office experience. Strong interpersonal and communication skills. Familiar with IBM Wordperfect. Ability to work under pressure and handle confidential information. Good telephone techniques. Heavy typing.

Circulation/Reserve Supervisor, GR20 (C7814)

Music Library-CUL-Endowed

Minimum Biweekly Salary: \$558.78

Facilitate access to and circulation of the collections of the Music Library; supervise students and staff; provide reference services to patrons; assist patrons in use of audio, video and computer equipment; participate in the maintenance of bibliographic information; in charge of reserve operation and overdue, fines and billing for lost and late materials; maintain student budget; in charge of library in absence of librarians.

Requirements: Associate's or equivalent in music with emphasis in music history. Bachelor's or equivalent desirable. Minimum 1-2 years related library experience. Demonstrated public service experience. Strong organization, communication (written/verbal), interpersonal and supervisory skills. Reading knowledge of at least 1 foreign language, German preferred. Light 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. Position will remain open until a suitable candidate is found.

Administrative Aide, GR21 (C7013)

Programs in Professional Education and Special Programs-Endowed

Minimum Biweekly Salary: \$582.29

Assist in the administration of all aspects of the department of Programs in Professional Education, as well as Summer Session Special Programs. Take responsibility for performing the more complex assigned functions and supervise and delegate the others. Maintain computerization processes.

Requirements: Associate's or equivalent experience. Minimum 2-3 years related administrative experience. Familiar with Wordperfect, IBM and Mac computers. Excellent organizational, interpersonal and secretarial skills essential. Medium typing. Position will remain open until a suitable candidate is found.

Reservations Coordinator, GR21 (C7816)

Unions and Activities-CAC-Endowed

Minimum Biweekly Salary: \$582.29

Oversee the work of the CAC Service Center. Acquire full knowledge of computerized reservations system and train service center staff; schedule extracurricular activities sponsored by all departmental and registered student organizations at Cornell; advise and counsel clients about reservations.

Requirements: Associate's or equivalent. Minimum 2 years related experience. Knowledge of campus facilities and policies and procedures desirable. Effective organizational, interpersonal and communication skills, familiarity with computers (IBM). Willingness to learn new applications especially the special reservations program. Able to deal with diverse clientele. Medium typing.

Administrative Aide, GR22 (C7802)

Administrative Services-Endowed

Minimum Biweekly Salary: \$607.04

Responsible for all non-exempt payroll/personnel functions for Engineering and Facilities (200+ employees). Monitor administration and compliance with the Building Trades Council (BTC), International Union of Operating Engineers (IUOE), and United Auto Workers (UAW) union contracts; coordinate daily functions in conjunction with accounts assistant.

Requirements: Associate's or equivalent. Minimum 2 years working experience in accounting or payroll area. High attention to details. Knowledge of computers (Macintosh) required. Must have excellent interpersonal, communication, and organizational skills. Light typing.

Office Professionals Off-Campus

Library Aide, GR18 (C7810)

Library-Geneva-Statutory

Minimum Biweekly Salary: \$513.94

Search NOTIS and RLIN databases; verify bibliographic information; check serial holdings and add Geneva holdings to Cornell records; input original records and item, VHL records on NOTIS. 1 year appointment.

Requirements: Some college coursework or equivalent preferred. Ability to perform highly detailed and repetitive tasks accurately. Knowledge of foreign languages desirable. Medium typing.

Administrative Aide, GR22 (C7804)

NYC Cooperative Extension-Statutory

Minimum Biweekly Salary: \$607.04

Provide secretarial and administrative support to NYC EFNEP Program Coordinator. Serve as liaison and provide support to satellite office staff. Coordinate and make arrangements for meetings and conferences.

Requirements: High School diploma or equivalent. Associate's or equivalent desired. Minimum 3 years related experience. Demonstrated computer, organizational, supervisory, and mathematical skills required. Heavy typing.

Office Professionals Part-Time

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 faculty luncheons (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: 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.

Office Assistant, GR17 (C7905)

Floriculture and Ornamental Horticulture-Statutory

Minimum full-time equivalent: \$495.36

Act as department receptionist and provide back-up secretarial support on IBM PC. Answer phones; coordinate travel schedule of faculty; process grant proposals; serve as key copy machine operator; maintain instructional projection equipment; interact with students and visitors. Monday-Friday, 20 hours per week.

Requirements: High School diploma or equivalent. Business/secretarial school desirable. Minimum 1-2 years secretarial experience. PC experience desired. Excellent organizational and interpersonal skills essential. Knowledge of transcription machine desired. Able to work in an active environment. Heavy typing.

Office Assistant, GR18 (C7912)

Center for Environmental Research-Endowed

Minimum full-time equivalent: \$513.94

Responsibilities include word processing; file; handle mail; schedule meetings and maintain staff calendars. Monday-Friday, 1 p.m.-5 p.m. preferred.

Requirements: High School diploma or equivalent. Associate's or equivalent preferred. Minimum 1-3 years experience in a large office. Macintosh experience is essential. Good organizational, interpersonal and communication (written and oral) skills. Medium typing. Send cover letter and resume to Esther Smith.

Secretary, Public Service Assistant, GR18 (C7106)

Mann Library-Statutory

Minimum full-time equivalent: \$513.94

Produce administrative support for Mann Library, Public Services Division. Duties include word processing; design and produce handouts and signs; maintain departmental records; process bills; compile statistics; schedule meetings and take minutes; serve as departmental receptionist. 30 hours per week. Monday-Friday, 6 hours per day between 8 a.m.-4 p.m.

Requirements: High School diploma or equivalent, some college preferred. 1 year related experience. Word processing skills, familiarity with IBM-PC or Macintosh. Ability to work with a wide variety of people in a public service capacity, set priorities, and work independently. Light typing. Position will remain open until a suitable candidate is found.

Secretary, GR19 (C7801)

Western Societies Program-Endowed

Minimum full-time equivalent: \$535.78

Prepare correspondence, papers, reports, classwork for 1 professor; maintain files; coordinate conferences, seminars, meetings, travel; publicity for events; word processing (IBM compatibles). Special projects as assigned. 5 days per week, 4 hours per day. 9 month appointment.

Requirements: High School diploma or equivalent. Associate's or equivalent preferred. Minimum 1-2 years Cornell experience. Able to work with wide diversity of people. Excellent organizational, interpersonal and communication skills. Knowledge of CU forms/accounting system helpful. Medium typing.

Cornell Employment News

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

Office Professionals Temporary

In addition to posted positions, temporary opportunities occur in many occupational areas, including secretarial, word processing, accounting, and office administration. All individuals are encouraged to apply; experienced applicants with a typing speed of 45-60 wpm, knowledge of IBM-PC Word Perfect software and Macintosh word processing are in particular demand. Call Karen Raponi at (607) 255-2192 or 255-7422 for more information.

Office Assistant (S7802)

Summer Session

Serve as receptionist; provide general clerical support; assist registrar in registration process; word processing on IBM PC. 3-4 month position.

Requirements: High School diploma or equivalent. Some office experience required. Familiar with Cornell desirable. Ability to work with diverse public. Excellent interpersonal communication skills essential. Experience with Wordperfect on IBM PC desirable. Able to set priorities and work independently under pressure. Send cover letter and resume to Karen Raponi.

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. Casual, 10 hours per week. 1 year appointment.

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.

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.

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. Familiarity with electronic cash register preferred. Send cover letter and resume to Esther Smith.

Custodian, SO03 (G7904)

Statler Hotel-Endowed

Hiring Rate: \$6.28

Responsible for maintaining the highest standards of cleanliness for the hotel. Giving guests, students and staff the best service available. Some nights and weekends.

Requirements: Basic reading and writing skills. Minimum 2 years housekeeping experience preferred. Good interpersonal skills essential.

Bell Captain, SO03 (G6406)

Statler Hotel-Endowed

Hiring Rate: \$6.28

Assist concierge to rotate assignments for bell staff. Receive calls for delivery or service and instruct bell staff accordingly. Provide pick up and delivery services. Works closely with the sales staff during group reservations and conferences. Sunday-Thursday, 11 p.m.-7:30 a.m.

Requirements: High School diploma or equivalent. Good reading and writing skills. Valid driver's license. Minimum 1-2 years hotel-related experience.

Groundworker, SO04 (B7901, B7902)

Grounds-Endowed

Hiring Rate: \$6.58

Perform general landscape maintenance and landscape construction tasks. Subject to 24 hours per day, 7 days per week span of operation, especially during snow emergencies. May be assigned other groundworkers, both regular/seasonal, temporary and students, to aid in carrying out assigned duties. Monday-Thursday, 7-3:30; Fri, 7-2:30.

Requirements: High School diploma or equivalent. Valid NYS driver's license required. Courses in agronomy, horticulture or related fields desirable. Pesticide Applicators license preferred. Experience with landscape maintenance, landscape construction and related equipment;

minor equipment repairs. Send application materials to Staffing Services, 160 Day Hall.

Equipment Operator, SO06 (B7903)

Grounds-Endowed

Hiring Rate: \$7.20

Operate a wide variety of landscape/construction equipment and motorized-wheeled vehicles, including commercial trucks, tractors, turf mowers, snow plows, excavation equipment; provide labor using hand tools and perform other grounds keeping tasks as required. Monday-Thursday, 7-3:30; Friday, 7-2:30.

Requirements: High School diploma or GED or equivalent and valid NYS driver's license required. Courses in agronomy, horticulture, or related fields desirable. Pesticide Applicators license desirable. Experience with commercial landscape maintenance, landscape construction and related equipment; minor equipment repair, crew supervision required.

Dairy Worker, SO06 (B7904)

Animal Science-Statutory

Hiring Rate: \$7.20

Rear and care for dairy calves from birth through heifer age. Feed and care for cows in maternity, monitor animal health. Assist in other dairy cattle and research areas as required. 5 days per week. 8-4:30, some weekends.

Requirements: High School diploma or equivalent. Associate's or equivalent in animal science preferred. NYS Class 5 driver's license required. 2 years experience rearing dairy calves. Good interpersonal, organizational and time management skills required. Accuracy and attention to detail required. Able to lift 100 pounds.

General Service Part-time

Security Guard, GR01 (G7902, G7903)

Johnson Museum-Endowed

Hiring Rate: \$5.80

Guard all works of art in the building following security and safety procedures; communicate with appropriate staff members on a regular basis; available day or evenings for subbing on non-schedule work days and for guarding at special events held in the museum. Days vary, approximately 24 hours per week.

Requirements: High School diploma or equivalent. Ability to work with schedules and in a group situation. Background in the security area helpful. Dependable in reporting and attentive to detail necessary. Ability to communicate well with the public. Send cover letter and resume to Esther Smith.

Material Handler, SO05 (G7901)

Press-Endowed

Hiring Rate: \$6.88

Receive and warehouse all books published by the Press and client presses. Monday-Friday, 5 a.m.-9 a.m.

Requirements: High School diploma or equivalent. Valid NYS driver's license. Good ability to retain information. Prior experience working with books helpful. Ability to lift 70 pounds and climb an 8 foot ladder. Pre-employment physical required.

General Service Temporary

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

Groundworker (B6001)

Grounds

Assist grounds maintenance staff in landscape maintenance and construction, including planting, mowing, weeding, mulching, watering, fertilizing, pruning, policing of grounds, maintenance of equipment and maintenance of walls, steps and fences. Mon-Thurs, 7-3:30; Fri, 7-2:20.

Requirements: High School diploma 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 Svcs, 160 Day.

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.

Job Prospecting Booklet Available

Newcomers to the area are invited to ask for our booklet: "Just For Your Information: Job Prospecting in the Ithaca Area." Call Staffing Services, 5-5226, for a copy.