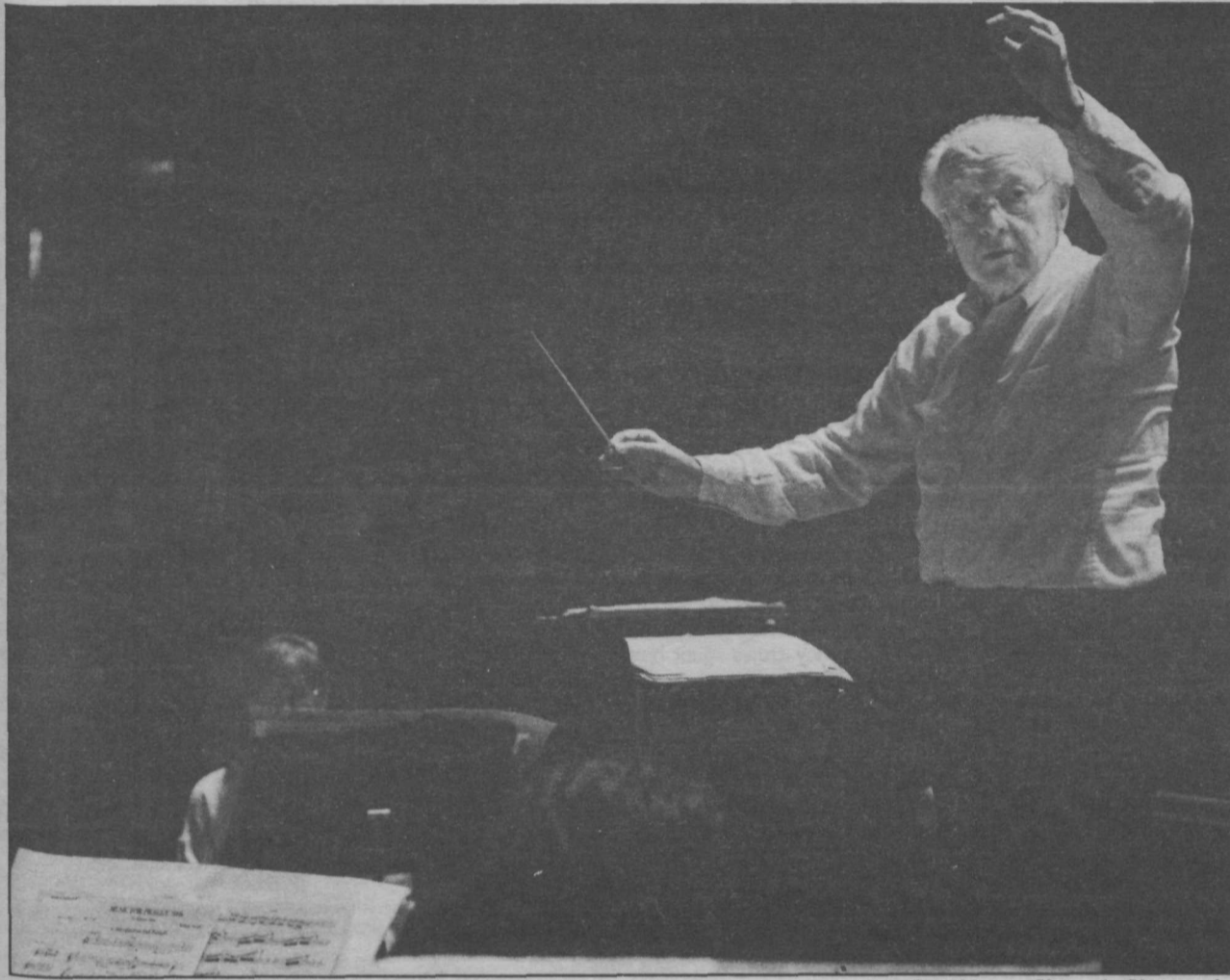


CORNELL Chronicle

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Peter Morenus/University Photography

Karel Husa, who will retire from teaching at the end of the semester, rehearses the Cornell Wind Ensemble for a concert in his honor on Sunday, May 3, at 4 p.m. in Bailey Hall.

Concert to mark Karel Husa's retirement

by Carole Stone

Karel Husa, the Kappa Alpha Professor of Music and a world-renowned composer and conductor, will retire from teaching at the end of this semester. The Cornell Wind Ensemble will mark the occasion by performing some of Husa's music in a free concert on Sunday, at 4 p.m. in Bailey Hall.

Husa, who at age 70 maintains a busy international schedule, is retiring to devote himself to composing and guest conducting, which he considers his foremost and second-most important activities.

The composer has several projects already under way, including a violin concerto for the New York Philharmonic scheduled for performance in May 1993, a piece about events in Eastern Europe commissioned by a major American orchestra and a piece for the Spring in Prague Festival of 1993-94.

"And," he said, "I would still like to write an opera for someone. It haunts me because it is the only musical form I have not approached."

Husa, a Czechoslovakian-born composer and U.S. citizen since 1959, was the first of the prominent Czech composers and conductors living abroad to be invited back to the concert stage in Czechoslovakia after 40 years of Communist rule.

On Feb. 13, 1990, he was the guest conductor at a gala concert given in Prague's Smetana Hall, where he was joined by the Bohuslav Martinu Philharmonic for a first performance in Czechoslovakia of his work, *Music for Prague 1968*.

That piece describes the Soviet tank invasion of Prague in the spring of 1968. Among its major motifs are the sounds of bells reminiscent of Prague's churches, a snare drum depicting tanks

rolling into the city and a chorale based on an ancient Czech nationalistic hymn.

Composer Husa's body of work consists of more than 70 pieces, including two symphonies. His String Quartet No. 3 received the Pulitzer Prize for Music in 1969. And among his other important works are *Apotheosis of This Earth*, a manifesto against pollution and destruction of the environment written, like *Music for Prague*, for a full symphonic band and later transcribed for symphony orchestra; *An American Te Deum*, a large choral piece; Sonata for Piano No. 2; *The Trojan Women*, commissioned by the Louisville Ballet and Orchestra; and *Recollections* for woodwind quintet and piano, celebrating the 200th anniversary of friendship between the United States and Holland.

"Husa's music is impressive because it appeals to both the connoisseur and to large audiences," said Cornell Professor Steven Stucky, composer-in-residence with the Los Angeles Philharmonic and a former student of Husa's. "He is certainly one of the best-known composers in this country, and he enjoys a reputation abroad, especially in Czechoslovakia and France."

A methodical composer who starts a new composition as soon as he writes in a double bar, Husa composes a couple of pieces a year. Because he is in constant demand, he is normally a commission or two behind, according to musicians who know him well.

But that does not stop him from accepting invitations to guest conduct orchestras around the world. He recently returned from Spain and the Canary Islands; not long ago he was in Hong Kong and Japan; and in September he will go to Germany to conduct *Music for Prague* for Daniel Barenboim at the Berlin Music

Continued on page 3

Learning disabilities no bar to Cornell

By Sam Segal

The professor who was told that a faltering student had an "attention-deficit disorder" found that explanation comical. "He just laughed and laughed," recalls Joan Fisher, coordinator of disability services.

The student wasn't laughing. Because the slightest noise would shatter his concentration, he had been sneaking at night into a basement room of Goldwin Smith Hall so he could study in peace. When that route was blocked, he took to the underside of a quiet stairway in Uris Hall.

Another student, doing abysmally at reproducing a still life in an art class, received a much warmer reception from her teacher, who divulged the trick of looking at the fruit via a mirror. The

teacher could help because he happened to have the same visual-perceptual learning disability as the student.

About 1 percent of Cornell's students and 2 percent of its faculty and staff have some kind of disability — defined as a physical or mental impairment that substantially limits some major life activity, according to the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

By far the most common and fastest-growing kind of disability among students is learning disabilities, which account for about 90 of the nearly 200 cases of known disabilities among 18,000 undergraduates and graduate students.

Though the professor who laughed considered "learning disability" an excuse for laziness, indiscipline or stupidity, there

Continued on page 7

Cornell Plantations

Special Insert: Plantations Path is a project to help members of the university community become more aware of the numerous landmarks, gardens, forested trails and other sights that make up Cornell Plantations.

Disabilities

"I'm not brave, I'm a pragmatist," says Pat Podufalski, paralyzed since 1965. Her story and others are part of a look at people with disabilities on pages 6 and 7.

Science made impenetrable

by Roger Segelken

Writing in *Nature* (31.6) and comparing it to others (*Science*, 28.0; *Cell*, 38.0), the developer of a new measure of text difficulty confirms what many scientists suspect: Technical articles in once-readable general science journals are becoming increasingly incomprehensible.

A commentary in the April 30 issue of *Nature* by Cornell University sociologist Donald P. Hayes finds that once-readable general science journals, including *Scientific American*, *Science* and *Nature*, now publish such difficult research papers that even scientists have trouble following them.

"More expertise than ever is required to understand published research and theory in other fields and to referee papers and proposals in one's own discipline," Hayes wrote. "The broad consequences are that ideas flow less freely across and within the sciences, and the public's access to (and maybe trust in) science is diminished."

Hayes' system, called QLEX for Quick-LEXical analysis, is based on a computer program that determines how the 10,000 most common words in English are used in a text. Results are then compared to word use in 55 English-language newspapers from around the world. Newspapers on the QLEX scale are set to 0.0.

These 10,000 words range from the frequently used "the" and "and" to "tournament," and account for 91 percent of all words in major newspapers. Among the "standard" newspapers are the *New York Times*, the *Times* of London, the Hong Kong *Morning Post* and South Africa's *Weekly Mail*. Publications that are more difficult to read score higher than 0.0; those that are easier to read get a below-zero score.

Started 12 years ago, the system has been applied to samples taken from thousands of books, newspapers, magazines, tv shows and conversations. Text or transcribed conversation is "read" into Hayes' computer by optical scanner, although tireless human typists used to plow through everything from the 1736 *Virginia Gazette*, Internal Revenue Service instructions for 1040 tax forms and British comic books to *Astrophysical Journal*.

The QLEX score for the popular science magazine *Discover* is a minus 4.7. IRS instructions for 1040 forms rate a readable 0.2, despite such terms as "non-discriminatory." American novels for adults rate a minus 19.3, while children's fiction from British publishers (at minus 27.4) was somewhat more difficult than children's fiction from American publishers (minus 32.3).

As might be expected, original research articles are difficult because they are written by and for specialists who know their specialty's jargon, technical symbols and expressions, Hayes observes. Nevertheless, James D. Watson and Francis H.D. Crick managed to describe the structure of DNA (in *Nature* in 1953) at a QLEX level of 8.0, Hayes reported.

The Watson-Crick paper appeared at a time when all science journals were becoming more difficult, according to the study that scanned issues of scientific journals from their origin. *Scientific American*, in its first 125 years between 1845 and 1970, was written at or below the level of a modern newspaper. So, too, was *Nature* in the 78 years through 1947. *Science* began,

Continued on page 2

Reader survey on page 8

Over the last year, we've made a concerted effort to revise the style and content of the *Cornell Chronicle*. Now, as we approach the last day of classes, it's time for assessment.

We hope you've noticed that the design and layout of the paper have been revised. We're using more color than before, we've expanded the opportunity for commentary and debate by members of the campus community, and — perhaps most importantly — we initiated a series of "special reports" that have provided an in-depth focus on such issues as AIDS at Cornell, the place of the arts at this university, student financial aid and Cornell's relations with the City of Ithaca.

As we plan for the coming year, we need to know your feelings about these initiatives and what you would like to see in the future. You'll find a reader response form on page 8 of today's edition. Please take a few moments to fill it out and share your views with us: your likes and dislikes, your recommendations for content and your suggestions for distribution.

Thanks for your help.

Henrik N. Dullea
Vice President for University Relations

Wrecking crew



Peter Morenus/University Photography

Removing unneeded interior walls at the future home of Ithaca's Sciencenter last weekend, members of Delta Upsilon fraternity and graduate students in the School of Civil and Environmental Engineering saved about \$10,000 for the hands-on museum. The \$1 million Sciencenter project will renovate a former waste-treatment pump house for a November 1992 opening.

Pulitzer-winner E.O. Wilson talk will honor entomologist

Pulitzer Prize-winning author and scientist Edward O. Wilson will discuss "The Ants: Why They Have Triumphed in Evolution, as Revealed During the W.L. Brown Era," on Monday, May 4, at 1 p.m. in the seminar room of the biotechnology building at Cornell University.

Wilson, the Mellon Professor of the Sciences at Harvard University, is a two-time winner of the Pulitzer Prize, most recently for his monumental work, *The Ants* (1990).

His talk is part of a day-long seminar, beginning at 9:30 a.m., honoring William L. Brown, Jr., who retired in 1991 as professor of entomol-

ogy in the College of Agriculture and Life Sciences at Cornell. Brown is one of the world's leading authorities on ants and was Wilson's Ph.D. supervisor. The seminar has drawn distinguished experts on ants worldwide.

Winner of the National Medal of Science, Wilson is the author of *Sociobiology: The New Synthesis* (1975) and *On Human Nature* (1978). He is world renowned for his studies in evolutionary biology, the biology of social insects and sociobiology. He was the chairman in 1988-90 of the Committee on Biodiversity of the National Research Council.

BRIEFS

• **Special Olympics:** The New York Special Olympics will be held on campus June 12 and 13. Those who volunteered last year and would like to volunteer again this year can sign up for specific events or activities on Tuesday, May 19, from 11:30 a.m. to 1:30 p.m. in the Hall of Fame Room in Schoellkopf Hall. New volunteers can sign up at one of two times: Tuesday, May 26, from 5:30 to 7:30 p.m. at the New York State Electric and Gas Auditorium on Dryden Road in Etna; or, Saturday, June 6, from 10 a.m. to noon at the Boynton Middle School cafeteria, 1601 N. Cayuga St. The Office of Human Resources is encouraging supervisors to make every effort to release those employees who volunteer to work at the 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.

• **Hydrants:** The annual flushing of campus hydrants will take place May 4 through 15. Water may appear cloudy when hydrants

near your building are being flushed, but the water is safe to drink. The cloudiness can be cleared by allowing the water to run a while before use. For more information, call 255-5322.

• **Grants:** Four grants of \$400 each for the production of independent films and videos will be available later this month through Media Ithaca, a coalition of independent and community-access film and video makers funded through Cornell Cinema. The grants are being made possible by funding from the New York State Council on the Arts. All Ithaca-area residents, except full-time students, are eligible. For information call Graham Leggat at 277-5443.

• **Memorial Service:** A memorial service for Judith E. Aronson, who died April 2, will be held on Friday, May 1, at 2 p.m. in the Anabel Taylor Hall Chapel. Before her retirement in 1987, Aronson was director of admissions at the Graduate School.

Power outage hits campus

A bird's nest in a New York State Electric & Gas (NYSEG) transmission system switch caused a brief power outage Saturday afternoon that affected operations on the main campus and university facilities in the East Ithaca area.

Although the disruption in NYSEG transmission lines lasted only a few seconds, campus emergency crews spent hours Saturday night restoring systems and checking buildings, John Kiefer, head of Facilities Engineering's electrical engineering section, reported.

"The outage had enormous implications for the campus," said Kiefer, who noted that campus crews reacted quickly to the emergency by helping to restore operations in all buildings. Of particular concern were the Computer and

Computing Center, Theory Center and Wilson Synchrotron Laboratory, which were shut down for several hours. About 20 mechanics and technicians from Maintenance and Service Operations were called in to respond to the emergency, which occurred at 5:45 p.m. Saturday.

"We alerted all building managers to the situation," Kiefer said. "I'm sure data and experimental results were lost in some areas." There were no reports of animals being left in the dark or without ventilation, he added.

While about 70 per cent of buildings on campus can be monitored and controlled automatically, crews inspected half the buildings on campus Saturday night and assisted in restoring operations in them, Kiefer said.

Science continued from page 1

in 1883, at minus 8.5, Hayes reported, and was no more difficult to read than the standard newspaper until 1960.

The professional science journals, such as *Cell* and the *Journal of Geophysical Research*, are becoming more difficult for non-specialists to read, too, but that is probably unavoidable. Geophysicists reading cell biology should expect tough going, he said.

Noting the "abruptness with which the changes in text difficulty occurred in all three publications (*Scientific American*, *Science* and *Nature*) it seems that editorial policy may have had something to do with it," Hayes wrote in his *Nature* commentary. "Editorial policy affects how major articles and short reports are selected; how and for whom papers are written; and which fields in science are to be featured."

He points out that authors in *Nature* regularly ignore that journal's instruction to "bear in mind those readers who work in other fields and

those for whom English is a second language, and write clearly and simply, avoiding unnecessary technical terminology." The "dynamics of publishing" make matters worse, Hayes suspects. "Like fish on a reef, science magazines must compete for essential resources: important authors and papers, subscribers and, for some, advertisers," he wrote. "They may have to compete for or exploit lexical niches as well."

If trends continue, the Cornell sociologist predicted, articles in basic science journals will soon average over 40.0.

"This erection of higher and higher barriers to the comprehension of scientific affairs must surely diminish science itself," he concluded. "Above all, it is a threat to a unique and essential characteristic of the endeavor — its openness to outside examination and appraisal."

QLEX rated Hayes' *Nature* commentary, "The Growing Inaccessibility of Science," at 2.6. This story got a QLEX rating of 1.2.

QLEX ratings

Text source	Score
<i>Nature</i> — article on the transhydrogenase reaction	55.5
<i>Science</i> — abstracts of Report articles (1990)	44.8
<i>Cell</i> — research articles (1990)	38.0
<i>Nature</i> — research articles (1990)	31.6
<i>Science</i> — research articles (1990)	28.0
<i>New England Journal of Medicine</i> — research articles (1991)	23.4
<i>Physics Today</i> — general articles	13.3
<i>New Scientist</i> — general articles	4.0
Magazines, adults, on specialized subjects, American (N=19)	2.3
International English language newspapers (N=55)	0.0
Discover — popularized science (1990)	4.7
Adult fiction books, American (N=32)	19.3
<i>Ranger Rick</i> — natural science for children	22.6
Comic books, British and American (N=35)	26.8
Children's leisure-time books, British, age 10-14 (N=261)	28.6
Television, cartoon shows (N=24)	32.0
Children's books, fiction, American, age 9-12 (N=92)	32.1
Children's books, read to preschoolers (N=31)	38.8
Adult to adult converse, casual, no children about (N=35)	41.0
Television, Mr. Rogers'/Sesame Street	48.4
Farmworkers' talk to dairy cows	59.1

CORNELL Chronicle

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

Hotel acts on image problem

By Albert E. Kaff

An image problem troubled the Statler Hotel.

"Among Cornell parents and faculty, the Statler was perceived as a high-priced hotel, very expensive, and always filled," said James Hisle, who came to the hotel as managing director last July from the vice presidency of Colonial Williamsburg Hotel Properties.

To meet that challenge, the Statler over the past year adopted more flexible rates for its 150 rooms and suites, cut lunch prices in Banfi's Restaurant and launched an advertising campaign aimed at parents, faculty, staff and alumni.

Hisle is encouraged but not satisfied by the results. Over the past year, room occupancy has increased by 3.5 percent to about 68.5 percent, higher than the current 60.9 percent national average for hotels. Occupancy is expected to be 10 percent higher in April and 20 percent higher in May than in the same months last year.

"People got the idea that the Statler was always booked if they called for reservations only at commencement or homecoming weekend," Hisle said. For example, he explained that 300 people are on the waiting list for a Statler room for this year's May 24 graduation, creating the perception of an overbooked hotel.

On loan from the Four Seasons Hotels, Peggy Foster became director of marketing for the Statler a year ago. Describing the hotel's marketing challenge, Hisle said: "The Statler is changing by listening to its audience, the Cornell community, so as to better serve its customers."

Foster hired two sales representatives. Daily they visit administrators in offices across the campus to drum up business and solicit suggestions on how the Statler can better meet their needs.

A computerized yield-management system that allows the hotel to operate more efficiently by computing rates for optimum revenue during off-season months was donated to the Statler by its developer, Robert W. Horgan, president and chief executive officer of Newmarket Software Systems Inc., of Durham, N.H. He's a 1969 graduate of Cornell's School of Hotel Administration.

In response to tightened campus budgets, the Statler offered a \$60 room rate this winter compared with normal rates of \$80 to

\$100. "Before, the Statler had one room rate year-round, but now we take into consideration seasonal changes in the hotel's use," Foster said.

To attract more lunch business at Banfi's, the restaurant cut its noon prices by about 20 percent and speeded up service by opening a soup and salad bar that replaced the former noon buffet, and adding menu items that can be prepared quickly. Lunch prices range from \$5 to \$8.75.

Last year, the Statler hired Langmuir Mangialardo Advertising Inc. of Toronto to put together an advertising strategy aimed at three audiences: parents, alumni, and faculty and staff. Ads were prepared with texts tailored to the interests of each group.

One ad has run several times in *The Cornell Daily Sun* under the title "My Team. My Hotel," designed to encourage students to recommend the Statler to their parents.

Another ad runs in *Cornell Alumni News* and the *Bulletin of Hotelman*, a Hotel School publication, under this caption: "Old School Ties. Old School Buys." For Cornell faculty and staff, the Statler prepared a one-page brochure, "More for the Mind. More for the Money," which was distributed through the Statler Club, whose membership includes about one-third of eligible faculty and staff.

For the first time ever, the Statler advertised in *The Guide to Convening on Campus*, a guidebook of campus and other non-profit meeting facilities in the United States.

A Cornell graduate who is vice president of an insurance company saw the ad in *Alumni News* and, as a result, arranged to hold an annual meeting of 100 insurance executives in the Statler this summer. The ad in the guidebook caught the attention of a nursing organization that then booked rooms for 35 nurses for three nights this summer.

For the campus community, the Statler has held a number of promotional events including a pre-Christmas turkey dinner to which representatives of all Cornell units were invited and a noon fashion show and lunch for Cornell secretaries on April 22, Secretary's Day. On nights of major musical events, Banfi's serves a special Concert Series dinner.

What's the bottom line? "We're improving our financial performance by meeting our customers' needs," was the way Hisle put it.

Tompkins County Trust funds projects

by Sam Segal

The Tompkins County Trust Co. has pledged \$100,000 to Cornell University to fund projects that "stimulate tangible progress in community development."

The Cornell-community projects will be in the areas of the environment, agriculture, housing, nutrition and health, small business and youth development. They will be funded from interest on the \$100,000, which is an endowed gift to Cornell's capital campaign.

"The partnership will address social and economic problems in Tompkins County before they become crises," said Lucinda A. Noble, director of Cornell Cooperative Extension, which applies research to the solution of practical problems.

The endowment fund — called the Tompkins County Trust Company Fund for Community Progress and Innovation — will be housed in Noble's office, and she will lead a committee that manages the fund and sets criteria for awards.

The annual grants will be called the Trust Company's Robert S. Smith Awards — named for the bank's just-retired board chairman, who is also a Cornell alumnus and a professor emeritus of agricultural economics.

"Ithaca and the bank flourished after Cornell's founding, and for 125 years since then, we have enjoyed a fruitful partnership

with the university," said James J. Byrnes, president and chief executive officer of the bank. "For us, an invaluable benefit of that partnership has been the Cornell people who have enhanced every aspect of our work. This gift lets us honor the partnership and those people, of whom Bob Smith is an outstanding example."

While details remain to be worked out, Noble said it is likely that grants could go to students, faculty, extension agents and community leaders who work with Cornell.

Smith, who retired from Cornell in 1981, was nationally prominent as an expert on farm finance, especially on the transfer of farms from one generation to the next. He served on the Trust Company's board of directors from 1969 and was chairman from 1978.



Robert Smith

Community relations honors volunteers

More than 1,200 seniors and graduate students at Cornell University will be honored Monday, May 4, for their volunteer service activities with community agencies in Tompkins County.

Representatives of 150 campus and community agencies will also be guests at the university's fourth annual Community Service Recognition event. This year's celebration, which will include food and music, will be held at noon in Stewart Park.

The students invited to the luncheon "represent only a fraction of the Cornell students and organizations providing volunteer assistance to community agencies," said John C. Gutenberger, assistant director of community relations at Cornell.

"Our students help to feed and shelter the homeless, care for the elderly, assist elementary schools with their after-school programming, serve as big brothers and sisters to local youths, donate blood to the Red Cross, and this past fall even baked the largest lasagna in North America to benefit community agencies," Gutenberger said. "We're proud that student community-service is making a difference throughout Ithaca and Tompkins County."

One agency that relies heavily on volunteers is the Ithaca Youth Bureau, where about 100 Cornell students helped in a variety of programs during the current academic year.

Youth Bureau director Sam Cohen said: "We depend very heavily on the commitment of our student volunteers and, in fact, some of our programs would simply not exist without them. The work they do not only benefits the program participants, but the volunteers gain valuable experience. These volunteers are extremely dedicated to the people they serve and truly care about them, and they are rewarded with a broadened perspective, often with long-lasting friendships."

This past year, Cornell established the Public Service Center, which received a university grant of \$240,000 over three years. The center serves as a focal point for information about public service and facilitates student involvement.

Cornell President Frank H.T. Rhodes will address the student volunteers and the representatives of campus and community organizations.

Karel Husa *continued from page 1*

Festival.

"Not many composers have as widely successful careers as he has," Stucky said.

In addition to composing and conducting, Husa has been a devoted teacher for 38 years, influencing a "whole generation of composers as one of the few composers that young people just coming up look to and emulate," Stucky said.

"I have always liked teaching and always thought that a composer gains from being at a university where music is made and the new trends are tried. It is a laboratory for new ideas," Husa said.

"It has also given me plenty of time to advance and to work among composers. And if I had only been a conductor, I would have forgotten about composing.

"Together these are a great pleasure, especially when you can conduct something you wrote 22 years ago, something that was considered difficult then, and see that even student musicians today play like it is classical music."

In addition to the May 3 concert, the Cornell Department of Music will hold a reception in Husa's honor on Tuesday, May 5, at 4:30 p.m. in the A.D. White House.

And two of Husa's compositions, *Festive Ode*, composed for the centennial celebration of Cornell University in 1965 and *Every Day*, music set to a text by Henry David Thoreau, will be performed this year during Cornell's baccalaureate and commencement ceremonies.

CORNELL

Life

Sketch books

The Sibley Fine Arts Library is currently exhibiting a collection of sketchbooks by artists and scientists that would be welcome any time of year — and especially now, with the nerve-racking end-of-semester pressure to get things finished.

For sketchbooks are about new ideas, not finished ones. They are a place to try things out, to play around and to do it in privacy. In sketchbooks, it is fine to make errors or false starts.

Sketching is to artists what improvising is to dancers and "noodling around" is to jazz musicians, and among artists it is well known that some of the freshest thinking happens in sketchbooks, says Laurie Sieverts Snyder, an artist and visiting professor in the Art Department who assembled the show.

Chemistry professor Roald Hoffmann, who won a Nobel Prize in 1981, lent the exhibition a notebook of calculations and drawings from 1964-65 that has its share of erasings and smudges and references to corrections on other pages.

But not everyone was as willing as Hoffmann to have his or her preliminary thoughts displayed. Finished work, yes; but private work? They were horrified: It was like asking to let people see their underwear, Sieverts Snyder said.

David Borden, a composer and director of Cornell's Digital Music Studio, said he liked the idea but does all his work on a computer these days. "Now, Philip Glass — he's a paper and pencil man," Borden told Sieverts Snyder.

Apparently, paper and pencil people are becoming rarer. In architecture and graphic design, science and music, computers have become a doodling tool — which has its pluses, but its minuses, too: people delete a lot from computers and no one gets to see their early efforts. Judging from these books, that's a pity.

Each sketchbook in the exhibition is written in someone's own handwriting and drawing style and draws upon a vocabulary of shapes and images that is as distinctive as the person who made it.

Several of the books stretch the very definition of a sketchbook: among the 10 are a naturalist's day book, an astrological handbook painted by a Buddhist monk in the 1930s to note procedures for meditation on astrological occasions and the storyboards for an animated film based on designs of Pacific Northwest Indians made in the 1980s by Cornell anthropologist Robert Ascher.

In his Naturalist's Every Day Book for 1979-80, Robert Dirig, assistant curator of Bailey Hortorium Herbarium and a teacher of scientific illustration, recorded a year's observations of the Kerner Pine Bush in the Pine Barrens of Albany, noting such things as the time of day of thundershowers and drawing plants he found.

Painter Michael Boyd's small notebook, Birthday Sketch Book of Squares for Verlaine, 1975, has the look of a finished piece, and so in a funny way, does the sketchbook of artist John Wood, who made notes for himself in four-square patterns, saying, for instance, "Sharp," "Shriek," "Seen," "Here" or "Black," "Blue," "Red," "Yellow" — over at the Johnson Museum, William Wegman has hanging on the wall a finished sketch made of words, such as "Tree," "Mountain," "Bird," written in where these images usually are.

A sketchbook can be anything anyone wants it to be.

Charlotte Fultz of Plainfield, N.J., a retired high school art teacher whose 20 or so sketchbooks ended up in Cornell's archives, took books along on her travels and recorded what she saw. Her drawings are as funky as fifth-year architecture student Hideo Abe's are elegant. Pages of Barbara Page's sketchbooks are as accessible as scrap books. Some of printmaking professor E. Jessie Shefrin's pages are more difficult to decipher, mixing drawing, writings and newspaper photographs. "A head and heart rooted in a house like a goose getting stuck there . . . Birds see with only one eye not two like us so their experience of seeing must really be split," she notes on a page with a sketch of a goose and a photograph of an eagle's head.

A visitor to the library could as easily look up sketchbooks in the card catalogue and find plenty of published ones on the shelves: Leonardo da Vinci's and Paul Klee's, for instance.

But one of the pleasures of this show is in seeing original work, and none of it intended for public viewing. It offers a glimpse into the mind of the artist and the scientist at work in the field, in the studio and in the lab.

The next and final show in the Sibley Library series, of which this is the fourth, will be an exhibit of work by students in Sieverts Snyder's summer course, The Artist's Book, where the object is to design and make a book, that is intended to be viewed as a work of art.

—Carole Stone

CALENDAR

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

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

Notices should also include the sub-heading of the calendar in which the item should appear.

DANCE

Cornell International Folkdancers

All events are open to the Cornell Community and general public. Admission is free, unless stated otherwise. For further information, call 257-7711.

Andor Czompo will teach Hungarian dances on Sunday, May 3 at the Montessori School, 120 East King Road. Registration 6 p.m.; teaching 6:30 to 8:30 p.m.; request dancing and review, 8:30 to 10:30 p.m. Admission is \$6 (Cornell students, free). For information call Sarah Fern, 277-3638, or Dorie Breen, 273-6474.

Department of Theatre Arts

"Dance Theatre Concert" will be presented on April 30 and May 1 and 2 at 7:30 p.m. in the Class of '56 Dance Theatre. Tickets are \$3.

Israeli Folkdancing

Israeli folkdancing, teaching and open dancing, Thursdays, 8 p.m., Edwards Room, Anabel Taylor Hall.

Jitterbug Classes

Intermediate, advanced jitterbug series will be held Thursdays, May 7 through May 28, 8 p.m.; \$6 per class. Eight-count Lindy series will be held Wednesdays, May 6 through May 27; \$40/series. Beginning Jitterbug classes will begin in June. Call Bill for further information, 273-0126.

EXHIBITS

Johnson Art Museum

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

Box lunch tour artbreaks will continue with "Images of America: The Painter's Eye," conducted by Nancy Jarzombek, associate curator of painting and sculpture, today, April 30. Tours are open to the public without charge and begin at noon.

"Dogs and Other Things: Works by William Wegman," an exhibition of drawings on loan from the Holly Solomon Gallery and the photographs on loan from Pace Gallery, through May 10. Wegman is one of the few conceptual artists turned painter and sculptor. Photographs most closely associated with Wegman are from the "Man Ray" series, featuring his pet Weimaraner. In addition to his camera, he has created simple pencil drawings and videos. Wegman recently returned to painting.

"Nature's Changing Legacy: The Photographs of Robert Ketchum" featuring approximately 75 photographs from the years 1970 to 1991 exploring our evolving consciousness of what comprises our national legacy and what we have done to change it, on exhibit through Aug. 2.

"Images of America: The Painter's Eye, 1833-1925," will be on exhibit through May 24. The exhibition features 63 paintings from the collection of Frederick and Joan Baekeland, generous supporters of the museum's Asian collection, and surveys American landscapes, marine genre and still-life painting. In all, 58 artists are represented in the exhibit, suggesting the range of artistic activity during a vital time in the development of American painting.

Mann Library

"Department of Rural Sociology 75th Anniversary," an exhibition of displays focused on work in the 1990s, global programs, scholarly work in the area of rural communities and of people and social issues, sponsored by Cooperative Extension and the Department of History, through May 31.

Sibley Fine Arts Library

"The Sketch Book: Keeper of Ideas," an exhibition of sketch books by artists and scientists, through

May 9, Sibley Fines Arts Library. Exhibited are sketch books by H. Abe, R. Ascher, M. Boyd, R. Dirig, R. Hoffmann, A. Monk, B. Page, E.J. Shefrin and J. Wood. This is the fourth in a series of five Artist's Book exhibits curated by Laurie Sieverts Snyder, visiting lecturer in the Fine Arts Department.

FILMS

Films listed are sponsored by Cornell Cinema unless otherwise noted and are open to the public. All films are \$4.50 (\$4 for students) EXCEPT Monday Night Film Club (9:30 p.m.), \$3 for all; Thursdays, \$3.50 for all; Saturday Ithakid Film Festival, \$2 and \$1.50 under 12; Sunday Matinees, \$3.50. All films are held in Willard Straight Theatre except where noted.

Thursday, 4/30

"Beauty and the Beast" (1991), directed by Gary Trousdale and Kirk Wise with the voices of Robby Benson and Angela Lansbury, 8 p.m.

"The Hand that Rocks the Cradle" (1991), directed by Curtis Hanson with Rebecca DeMornay and Annabella Sciorra, 10 p.m.

Friday, 5/1

"Beauty and the Beast," 7:30 p.m., Uris.

"Pictures From A Revolution" (1991), directed by Susan Meiselas, Richard Rogers and Alfred Guzzetti, 7:30 p.m.

"The Hand that Rocks the Cradle," 9:30 p.m., Uris.

"Prospero's Books" (1991), directed by Peter Greenaway with John Gielgud, 9:40 p.m.

"Total Recall" (1990), directed by Paul Verhoeven with Arnold Schwarzenegger, Rachel Ticotin and Ronny Cox, midnight, Uris.

Saturday, 5/2

"Life on a String" (1991), directed by Chen Kaige with Liu Zhongyuan and Huang Lei, 7:15 p.m.

"Beauty and the Beast," 7:30 p.m., Uris.

"Total Recall," 9:30 p.m., Uris.

"Prospero's Books," 10 p.m.

"The Hand that Rocks the Cradle," midnight, Uris.

Sunday, 5/3

"Moving Pictures 7: Three Meditations" (1981-89), includes "Born to Film," directed by Danny Lyon; "Hunter," directed by Robert Frank; and "Les Annees Declic," directed by Raymond Depardon, 2 p.m., Johnson Museum. Free.

"Beauty and the Beast," 4:30 p.m.

"Student Films I" (1992), directed by students of Theatre Arts 377, 7 p.m.

"IFMAC Screening" (1991), directed by Cornell Students, 10 p.m. Free.

Monday, 5/4

"Play it Again, Sam" (1972), directed by Herbert Ross with Woody Allen, Diane Keaton and Tony Roberts, 7:35 p.m.

"Total Recall," 10 p.m.

Tuesday, 5/5

"Life on a String," 7:15 p.m.

"The Hand that Rocks the Cradle," 10 p.m.

Wednesday, 5/6

"Dead Ringers" (1988), directed by David Cronenberg with Jeremy Irons, Jeremy Irons and Genevieve Bujold, 7:20 p.m.

"The Hand that Rocks the Cradle," 10 p.m.

Thursday, 5/7

"Northern Lights" (1988), directed by Rudiger Neumann, 4:30 p.m. Free.

"Naked Lunch" (1991), directed by David Cronenberg with Peter Weller and Judy Davis, 7:15 p.m.

"Terminator 2" (1991), directed by James Cameron with Arnold Schwarzenegger, Linda Hamilton and Robert Patrick, 10 p.m.

LECTURES

Amnesty International

Human rights in the Guatemalan Highlands will be the topic of Justina Toc-Chinul, a Quiche Mayan Indian from Guatemalan Highlands, co-sponsored by Latin American studies program, May 4, 7:30 p.m., G08 Uris Hall.

Neurobiology & Behavior

"From Mutation to Myotonia: Physiological and Genetic Studies of an Emerging Family of Human Muscle Sodium Channel Diseases," Robert H. Brown Jr., Massachusetts General Hospital and Harvard Medical School, April 30, 12:30 p.m. Seminar Room Biotechnology Building.

"Development of the Cerebral Cortex: Involve



Huang Lei as Shitou in a scene from "Life on a String," directed by Chen Kaige, showing Saturday and Tuesday, May 2 and 5.

ment of a Transient Neural Scaffold," Carla J. Shatz, May 7, 12:30 p.m., Seminar Room, Biotechnology Building.

South Asia Program

"Indian Classical Art Forms: Philosophy and Relevance to the Modern World," a discussion with Kiran Seth, Indian Institute of Technology, Delhi, India, co-sponsored with the Cornell India Association, May 3, 4 p.m., 374 Rockefeller Hall.

MUSIC

Department of Music

The Collegium Musicum, under the direction of George Torres, will perform French music from before 1500 on April 30 at 8:15 p.m. in Barnes Hall. Featured will be music of Machaut, Dufay and Ninchois.

German, Italian and Spanish music between 1550 and 1670 will be performed by two Cornell chorales on May 1 at 8:15 p.m. in Barnes Hall. Dan Stowe will conduct Schutz' "So fahr ich hin zu Jesus Christ," and "Selig sind die Toten" and pieces by Claudio Monteverdi, sung by the complete and the antiphonal chorale, and Tomas Luis de Victoria's works, sung again by the full group.

Students of Judith Kellock will give a voice recital with music by Bach, Mozart, Barber and Schumann, on May 2 at 5 p.m. in Barnes Hall.

The Cornell Symphony Orchestra, under the baton of Edward Murray, will perform major works on May 2 at 8:15 p.m. in Bailey Hall. Dvorak's "Symphony No. 6"; Wieniawski's "Violin Concerto No. 2," played by violinist P. Seung-Kwang Lee; and Nielsen's "Helios Overture," will be performed.

In celebration of Karel Husa's 38 years at Cornell, the internationally recognized composer will conduct his most celebrated work "Music for Prague 1968," composed in memory of the tragic Russian invasion into Czechoslovakia, May 3 at 2 p.m. in Bailey Hall. This work, still two years ago pronounced as a political statement and forbidden to be performed, has had well over 7,000 performances, and recently quite a few in Czechoslovakia, Husa's native country. The Cornell Wind Ensemble, conducted by Mark Scatterday, will also perform Husa's "Concerto for Alto Saxophone and Concert Band," with guest soloist Dale Underwood, the regularly featured guest saxophonist of the U.S. Navy Band. "Lincolnshire Posy," by Grainger will also be performed.

Students of Sonya Monosoff will perform chamber music by Prokofiev, Chopin and Schubert on May 3 at 8:15 p.m. in Barnes Hall.

Artists from Bali and Java and the Cornell Gamelan Ensemble will perform a concert of Indonesian music and dance on May 5 at 8:15 p.m. in Barnes Hall. I. Gusti Agung Ngurah Supartha, Balinese dancer, musician and choreographer and cultural emissary in the Indonesian Embassy; F.X. Widaryanto, musician and dancer in the central Javanese style from Yogyakarta; and, Sumarsam, professor of music and Gamelan ensemble director at Wesleyan University

will be the performers.

A student concert, with Katy Dolley, soprano and Adam Juran, baritone, accompanied by Susan DenOuter, will be presented on May 6 at 8:15 p.m. in Barnes Hall.

Bound for Glory

Catie Curtis, contemporary acoustic songwriter from Boston, will perform on May 3, at 8:30, 9:30 and 10:30 p.m. in the Commons Coffeehouse. Music will be provided by the Cornell Jazz Ensemble, with music from the be-bop era to the present, featuring Robert Cowie, Michael Ferraraccio, Dan Kerchner and Dan Janis. Seating under a tent will be provided.

Cornell Plantations

The Class of 1940 Concert Series will be held Friday, May 1 at 3 p.m. at the Class of '66 Beebe Beach on Beebe Lake, below Helen Newman Hall. Music will be provided by the Cornell Jazz Ensemble, with music from the be-bop era to the present, featuring Robert Cowie, Michael Ferraraccio, Dan Kerchner and Dan Janis. Seating under a tent will be provided.

RELIGION

Sage Chapel

Holocaust Memorial Service: Franz Jozef von Beeck, S.J. theology, Loyola University, Chicago will deliver the sermon on Sunday, May 3, at 11 a.m. Music by the Sage Chapel choir, directed by John Hsu, acting choir master, and Zvi Meniker, organist. Sage is a non-sectarian chapel that fosters dialogue and exploration with and among the major faith traditions.

Catholic

Masses: Saturdays, 5 p.m.; Sundays, 9:30 a.m., 11 a.m., 5 p.m., Anabel Taylor Auditorium. Daily masses, Monday through Friday, 12:20 p.m., Anabel Taylor Hall. Sacrament of Reconciliation by appointment, G-22 Anabel Taylor Hall.

Christian Science

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

Episcopal (Anglican)

Sundays, worship and Eucharist, 9:30 a.m., Rm. 200, Gurdon Brewster, chaplain, Anabel Taylor Chapel.

Friends (Quakers)

Sundays at 9:45 a.m. adult discussion; 11 a.m. meeting for worship, Edwards Room, Anabel Taylor Hall.

Jewish

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

Shabbat Services: Friday: Reform, 5:30 p.m., Chapel, Anabel Taylor Hall; Conservative/Egalitarian, 5:30 p.m., Founders Room, Anabel Taylor Hall.

Hall; Saturday: Orthodox, 9:15 a.m., Edwards Room, Anabel Taylor Hall; Conservative/Egalitarian, 9:45 a.m., Founders Room, Anabel Taylor Hall. Young Israel (call 272-5810 for time).

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

Muslim
Friday prayers, 1 p.m., Founders and Edwards Rooms, Anabel Taylor Hall. Zuhri prayer, 1 p.m., 218 Anabel Taylor Hall. Weekly group discussion/Classes, 11:30 a.m. and 12:30 p.m., 218 Anabel Taylor Hall.

Protestant Cooperative Ministry
Sundays, worship at 11 a.m., Anabel Taylor Chapel, Rev. Barbara Heck. Tuesdays, Taize Prayer, 5:30 p.m., Anabel Taylor Chapel. Thursdays, Bible study, 4:30 p.m., G7 Anabel Taylor Hall. Fridays, celebration, 5:30 to 8 p.m., 401 Thurston Ave.

Satya Sai Baba
Group meets Sundays. For information on time and place, call 273-4261 or 533-7172.

Seventh-Day Adventist
Worship, Saturday, 9:30 a.m., Seventh Day Adventist Church, 1219 Trumansburg Road.

Southern Baptist
Richard Foster's "Celebration of Discipline: A Path to Spiritual Growth," Thursday evenings at 8:30 p.m., 316 Anabel Taylor Hall.

Zen Buddhism
Zazen meditation every Tuesday at 7 p.m. and Thursday at 5:15 p.m.; beginner's instruction Thursday at 4:30 p.m. in Anabel Taylor Chapel.

SEMINARS

Anthropology
"Sexual Dissidence, Self Interest, End Legitimate Authority — or — Donna Reed Meets Jean Kirkpatrick: Trouble in the Kitchen," John Borneman, anthropology, May 1, 3:30 p.m., 366 McGraw Hall.

Applied Mathematics
"Coupled Oscillators and Landau Damping," Steven Strogatz, Massachusetts Institute of Technology, May 1, 4 p.m., 165 Olin Hall.

Astronomy & Space Sciences
"Cosmic Magnetism and the Basic Physics of Star Formation: Natural Length Scales and Protostellar Masses," Telemachos Mouschovias, University of Illinois, April 30, 4:30 p.m., 105 Space Sciences Building.

Biochemistry, Molecular & Cell Biology
Title to be announced, Dean Hamer, Lab of Biochemistry, NCI, NIH, May 1, 4 p.m., Seminar Room, Biotechnology Building.

Biology
"From Mutation to Myotonia: Physiological and Genetic Studies of an Emerging Family of Human Muscle Sarcoplasmic Channel Diseases," Robert H. Brown, Jr., Massachusetts General Hospital, April 30, 12:30 p.m., Seminar Room, G-1 Biotechnology Building.
"Development of the Cerebral Cortex: Involvement of a Transient Neural Scaffold," Carla J. Schatz, University of California, Berkeley, May 7, 12:30 p.m., Seminar Room, G-1 Biotechnology Building.

CaRDI
"Managing National Forests for Joint Community Forest Service Benefit," Marco Lowenstein, The Forest Trust, Albuquerque, N.M., April 30, 12:15 p.m., 250 Caldwell Hall.

Ceramics Program
Ceramics Afternoon, co-sponsored with the Department of Materials Science and Materials Science Center, will be held on May 1. The theme will be "Ceramics Synthesis." Opening remarks, Peter T. Wolczanski, chemistry, 2:20 p.m.; "A Molecular Building Approach to the Synthesis of Ceramic Materials," Walter Klemperer, School of Chemical Sciences, University of Illinois, Urbana-Champaign, 2:25 p.m.; "A Los Alamos Perspective on the Chemical Vapor Deposition of Metals, Metal Carbides and Metal Oxides," Al Sattelberger, Los Alamos National Laboratory, Isotope and Nuclear Chemistry Division, 3:25 p.m.; "Molecular Routes to Solid State Nitrides," Peter T. Wolczanski, chemistry, 4 p.m.

Chemical Engineering
"Ultrasonic Time-of-Flight Monitoring of the Position of the Liquid/Solid Interface During the Bridgman Growth of Germanium," John N. Carter, Cornell Medical College and Polytechnic University, May 7, 4:15 p.m., 165 Olin Hall.

Chemistry
"Recent Results in the Coordination and Organometallic Chemistry of Early Actinide Elements," Alfred P. Sattelberger, April 30, 4:40 p.m., 119 Baker.

"Imaging with Polymers: From the Early Days to the State-of-the-Art," Arnost Reiser, Polytechnic University, May 4, 4:40 p.m., 119 Baker Laboratory.
"Computer-Aided Molecular Design," Andy McCammon, University of Houston, May 7, 4:40 p.m., 119 Baker Laboratory.

Cognitive Studies Program
Title to be announced, Steve Pinker, Massachusetts Institute of Technology, May 1, 3:30 p.m., 202 Uris Hall.

Cornell Compost Club
"Municipal Solid Waste Composting, Physical and Biological Processing and Its Impacts on Compost Quality," Tom Richard, agricultural and biological engineering, May 4, 4 p.m., 201 Rice Hall.

Ecology & Systematics
"Ectoparasites of the American Beaver," John O. Whitaker, Jr., Indiana State University, Terre Haute, May 6, 4:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Entomology
"Foraging Dynamics of Eusocial Apid Colonies (*Apis*, *Melipona*, *Trigona*): Lurking Chaos?" Stephen L. Buchmann, Carl Hayden Bee Research Center, April 30, 4 p.m., Morison Seminar Room, Corson/Mudd Hall.

Epidemiology
"The Effect of Body Fat Distribution on Blood Lipoproteins: A Longitudinal Study of Samoans, 1978 to 1992," Dan Galanis, nutritional sciences, May 4, 12:20 p.m., 216 Martha Van Rensselaer Hall.

Floriculture & Ornamental Horticulture
"Biological Control of Annual Bluegrass with *Xanthomonas Campestris* pv. *Poannua*," Nancy Webber, graduate student, April 30, 12:15 p.m., 404 Plant Science Building.

Fruit & Vegetable Science
Title to be announced, Steve McLaskey, April 30, 4:30 p.m., 404 Plant Science Building.

Geological Sciences
"Longitudinal River Profiles, Terraces, and Base-Level Change," Dorothy Merritts, Franklin & Marshall, May 5, 4:30 p.m., 1120 Snee Hall.

Immunology
"The Regulation of Cytokine Synthesis in Rats and Mice," Andrew McKnight, Harvard Medical School, May 1, 12:15 p.m., Boyce Thompson Institute.

International Nutrition
"Principal Nutrition Problems in China," Chen Junshi, Chinese Academy of Preventive Medicine, April 30, 12:15 p.m., 200 Savage Hall.

International Studies in Planning
"Representing the New American Ghetto," Camilo Jose Vergara, journalist/photographer, May 1, 12:15 p.m., 115 Tjaden Hall.

Johnson Graduate School of Management
Organizational Behavior Research: "Organizational Learning Curves: The Transfer of Learning in Service Organizations," Linda Argote, Carnegie-Mellon University, May 1, 3 p.m., 224 Malott Hall.

Materials Science & Engineering
"Grain Boundary, and Surface Transport Phenomena in Oxides," V. Stubican, Pennsylvania State University, April 30, 4:30 p.m., 140 Bard Hall.



I. Gusti Agung Ngurah Supartha, a Balinese dancer, musician and choreographer and cultural emissary in the Indonesian Embassy will be among the artists from Bali and Java and the Cornell Gamelan Ensemble performing a concert of Indonesian music and dance on May 5 at 8:15 p.m. in Barnes Hall.

Mechanical & Aerospace Engineering
Combustion and Thermal Sciences: "Galerkin Radiosity," Harold R. Zatz, computer graphics, May 4, 1:30 p.m.

Microbiology
"Signal Transduction in the Porin Regulon of *E. coli*," Tom Silhavy, Princeton University, April 30, 4 p.m., 204 Stocking Hall.

Natural Resources
"Genetic Management of Hatchery Fishes," Moira Ferguson, University of Guelph, April 30, 3:35 p.m., 304 Fernow Hall.

"Grandma's Birthplace: The Saga of Brook Trout mtDNA," Roy Danzmann, University of Guelph, May 1, 12:20 p.m., Fernow Hall.
"Land Protection Planning in the Upper Schoharie Watershed," James Thorne, University of Pennsylvania, May 5, 12:20 p.m., 304 Fernow Hall.

Operations Research & Industrial Engineering
"Blending Japanese and American Manufacturing Styles," James L. Van Kerkhove, Siltec Corporation, April 30, 4:30 p.m., 155 Olin Hall.

Ornithology
To be announced, 7:45 p.m., May 4, Laboratory of Ornithology, 159 Sapsucker Woods Road.

Pharmacology
"Gap Junctions, Cell Communication, SRC, and Cell Transformation," Gregory A. Weiland, pharmacology, May 4, 4:30 p.m., G-3 Vet Research Tower.

Physiology & Anatomy
Title to be announced, Matthew Lucy, Monsanto Company, Chesterfield, Mo, May 5, 4:30 p.m., G-3 Vet Research Tower.

Program on Social Analysis of Environmental Change
"Environmental Change and Acute Conflict: Some Empirical Evidence," May 1, 12:15 p.m., G08 Uris Hall.

Science & Technology Studies
"Control and Determination in the Age of Molecular Biology," a workshop, with guest Anne Fasto-Sterling and faculty members Sheila Jasanoff, R.N. Boyd and P. Taylor, May 1, 9:30 a.m. to noon, 609 Clark Hall.

South Asia
"One Cheer for Leviathan: Ecology, State and Development in South India," Ronald Herring, government, April 30, 12:15 p.m., G08 Uris Hall.

Southeast Asia Program
"Of Faith and Violence: Christian Conversion in Post-1966 Java," Robert Hefner, Boston University, April 30, 12:20 p.m. 300 Rice Hall.

Stability, Transition & Turbulence
"Grid Turbulence in a Non-Rotating and Rotating Tank," G. Yang, May 5, 12:30 p.m., 178 The Theory Center.

Statistics
"Some Tools for the Analysis of Functional Data," J. O. Ramsay, May 4, 3:30 p.m., 100 Caldwell Hall.
"Bivariate Density Estimation Under Random Censorship," Kwee-Poo Yeo, grad student, statistics, May 6, 3:30 p.m., 100 Caldwell Hall.

Textiles & Apparel
"Advanced Weaving Concepts for Complex Structural Preforms," Janice R. Maiden, Rayon/Acetate Council, Inc., April 30, 12:20 p.m., 317 Martha Van Rensselaer Hall.

SPORTS

(Home games only)

Friday, 5/1
Women's Tennis, Harvard, 2 p.m.

Saturday, 5/2
Women's Tennis, Dartmouth, 11 a.m.
Men's Lacrosse, Brown, 1 p.m.

Tuesday, 5/5
Baseball, Cortland (2), 1 p.m.

SYMPOSIUMS

Entomology
"Ants: Models of Evolution: A Symposium in Honor of William L. Brown, Jr.," May 4, Seminar Room Biotechnology Building. "Creatures of Toonginta—A Biology of *Nothomyrmeciamacrops*," Robert Taylor, CSIRO Entomology, Australia, 9:30 a.m.; "Evolution of Behavior in Ants," Pierre Jaisson, Universite Paris Nord, France, 10:20 a.m.; "The Ants: Why They Have Triumphed in Evolution, As Revealed During the W.L. Brown Era," Edward O. Wilson, Harvard University, 1 p.m.; "Chromosomes,

Kin Selection, and DNA Sequence Evolution: Ant-Centered Research Stimulated by Bill Brown," Ross Crozier, LaTrobe University, Melbourne, Australia, 2 p.m.; "Progress in Ant Systematics and other Brownian Legacies," Phil Ward, University of California, Berkeley, 3:10 p.m.; "Lanchester Battles and the Evolution of Combat in Ants," Nigel Frans, University of Bath, England, 4 p.m.

Industrial & Labor Relations
"Labor-Management Cooperation in Transportation: Experience in the Rail Industry," a seminar sponsored by the Programs for Employment and Workplace Systems and the Collective Bargaining Workshop, May 5, 1 to 5 p.m., 105 ILR Conference Center. Case studies from long term projects on Conrail and CSX will be presented by labor and management coordinators from these programs. Dan Collins, assistant general secretary, United Transportation Union (AFL-CIO) and Howard Randolph, Jr., general chairman, Conrail Division of the Transportation Communications International Union (AFL-CIO) will discuss their perspectives on cooperative programs.

Society for the Humanities
"Environment and Latino Imaginations," a conference examining a variety of contributions to Latino environmental discourse, piecing them together in a way that remains faithful to their content yet is accessible to the diverse scientists, social scientists and policy-makers who will help shape environmental education and policy, April 30 through May 2. Topics will include whether there are characteristically Latino constructions or images of the ideal landscape, whether Latino descriptions of environmental degradation differ from those in the dominant society, and who suffers most from environmental degradation. Registration is \$25; for students, \$10. For more information, call Barbara Lynch, Society for the Humanities, 255-9286.

THEATRE

Department of Theatre Arts
"The Cherry Orchard," by Anton Chekhov, will be performed April 30 and May 1 and 2 at 8 p.m., in the Proscenium Theatre. According to director Bruce Levitt, the production presents a "view of a delicate 'network,' a microcosm of an entire culture and places that culture at the cusp of monumental change." The show features resident professional actors Sheriden Thomas, Craig MacDonald, Brent Harris, Tony Freeman, Karen Eterovich, and Frank Farrell; students Marisa Bela, Allison Scheuerman, Whitney Rothschild, and Jeff Miller; theatre arts Professor Ron Wilson; and local actor Sidney Green. The artistic staff includes Kent Goetz, Elizabeth Lau, Christopher Lau, Chuck Hatcher, Michael Keck, Byron Suber and Rachel Durkin. Tickets are \$5 and \$7, available at the Center for Theatre Arts Ticket Center, 430 College Ave., or by calling 254-ARTS, Monday through Friday, 12:20 to 5:30 p.m.

MISC.

Cornell Garden Plots
Garden Plots are available for rental. Single (\$6) and double (\$10) plots are located at Cornell Quarters (off Mitchell Street) and Warren Farm (Bluegrass Lanes off Hanshaw Road). Send stamped, self-addressed envelope with phone number and desired location to Garden Plot, Box 871, Ithaca, N.Y. 14851. Do not send money. You will receive a priority number for distribution day, May 2. For further information, call 257-1281.

CUSLAR
Meetings, Mondays, 5:15 p.m., Commons Coffeehouse, Anabel Taylor Hall. For more information call 255-7293.

Macintosh Users Group
The May general meeting of MUGWUMP will be held on May 7 at 4:30 p.m. in 100 Caldwell. New software from Claris will be demonstrated. For more information about the group call Mark Anbinder, 257-3480.

Noontime Fitness/Aerobics
Classes meet Monday through Fridays, 12:05 to 12:50 p.m. in the Alberding Field House (\$40 per semester). Call 255-1510 for description and registration information.

T'ai Chi Chuang Classes
Ancient Chinese exercise for health, relaxation, meditation and self defense with Kati Hanna will be held Mondays and Thursdays, 5 to 6 p.m. for beginners, 6 to 7 p.m. advanced, in the Edwards Room, Anabel Taylor Hall. For more information call 272-3972.
T'ai Chi Chi Gung exercise classes will be held Mondays, Tuesdays and Thursdays at 8 a.m. with Robert Tangora, One World Room, Anabel Taylor Hall. For more information call 277-3388.
Tai Chi Push-Hands class is held on Thursdays at 6 p.m., Edwards Room, Anabel Taylor Hall.

Disability is no barrier to a full life

Dyslexic man has visual memory

By Martin B. Stiles

Gideon Gelber, a top student on campus, "couldn't read your name in a million years," he admits, unless he has seen it before. But just ask him to describe from visual memory the interior of a Baroque cathedral, gold leaf, cherubs and all, and even its subtle changes in light patterns throughout the day — and he will.

This fourth-year architecture student from Palo Alto, Calif., who can literally see cathedrals and vast buildings of his own creation in his mind's eye, can't remember numbers and letters. He has a learning disability widely known as dyslexia.

"I flunked my freshman year in high school," he remembers. "Up to then I had been able to fake it. I guess when you're bright in other ways they just think you're lazy or some kind of wise guy. But they discovered I really couldn't read. They said I would make a good gardener or auto mechanic. Gee thanks. I wasn't exactly excited about that and neither were my parents."

Gelber's parents, who are both on the faculty at Stanford University, enrolled their son in a private school in California which specializes in teaching students with learning disabilities. He learned to read words by their total shape, like ideograms, rather than their letter composition. The result was he scored 780 on his verbal SAT.

"But names, especially proper names, still completely throw me. Unless I have seen it before, I have no idea what it means. Send me on a trip alone with a road map and I'll be totally lost in no time," he says.

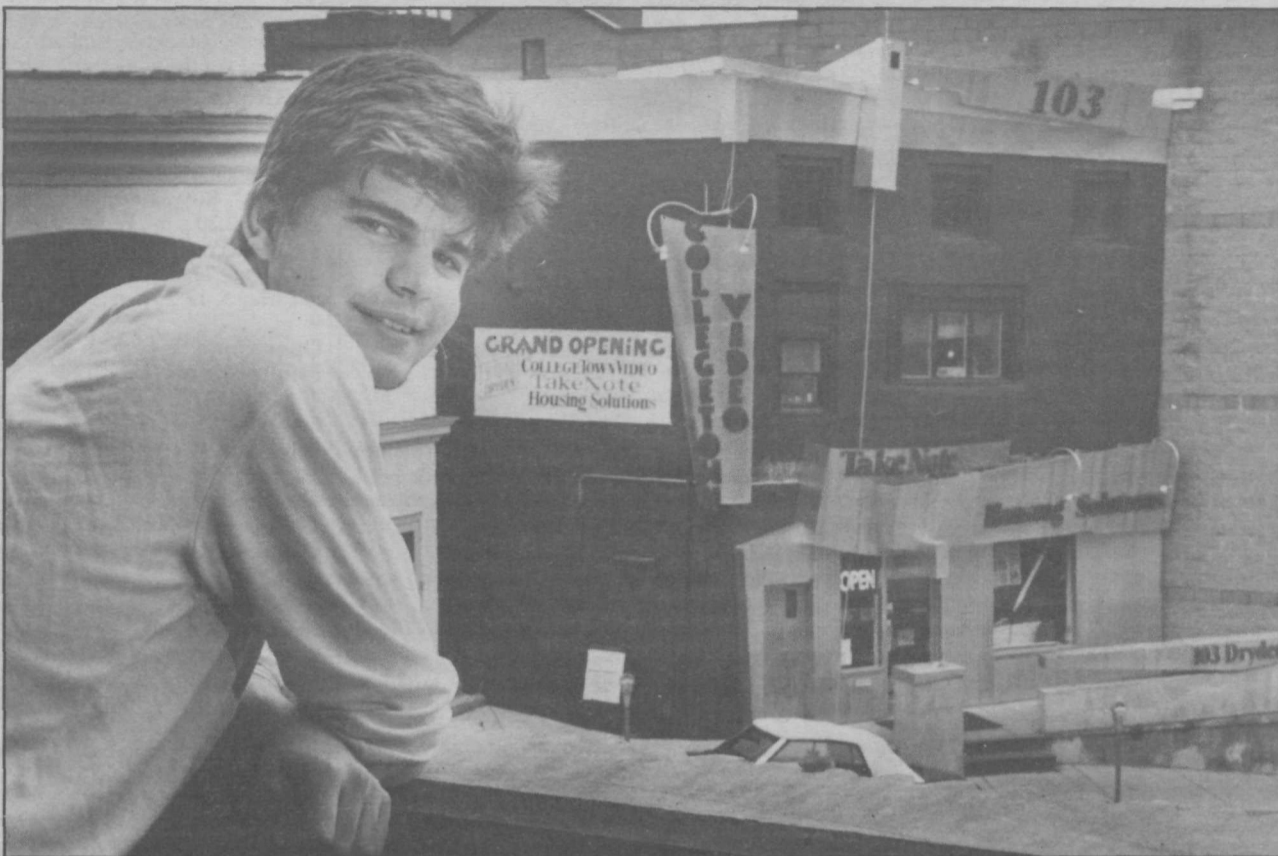
Gelber was taught algebra with visual techniques through graphs and charts rather than the traditional abstract representations of numbers and letters. He scored 600 on the math SAT.

"I still can't do calculus and after I flunked it the fourth time here, they finally gave me exemption to go on with my required engineering courses. I have had no problems with them," he says.

Even with the four flunking grades, Gelber's cumulative grade point average is 3.0 and if the calculus grades are not counted it is 3.65 overall and in design courses alone, it is 3.8.

Like some 90 other learning disabled students currently on campus, Gelber was not left to shift for himself in the highly competitive and time-pressure academic atmosphere of Cornell.

The coordinator of Disability Services in Day Hall has provided Gelber with various forms of assistance, including typists to whom he can dictate his writing assignments. The office also alerts professors of a student's professionally diagnosed learning disability.



Peter Morenus/University Photography

Gideon Gelder, in front of the facade he designed for Housing Solutions on Dryden Road.

For example, letters concerning Gelber state, "Because his disability has a negative impact on speed of written expression, additional time on quizzes and exams would be most beneficial in helping Gideon reach his maximum potential."

While it took professionals to diagnose Gelber's learning disability, he says he can easily spot other architecture students with his ability to visualize complete structural schemes.

"The ones that don't have it start making little drawings and then gradually make them bigger and bigger and more complex. The ones that do have it start right off with full-blown drawings, beginning, usually, in the upper right hand corner and working from right to left," Gelber explained.

An example of what started out in Gelber's mind's eye can now be seen in its finished state as the newly renovated building at 103 Dryden Rd. Collegetown, the location of Housing Solu-

tions, Collegetown Video and Take Note.

In his mind's eye, Gelber was able to straighten out a lopsided building that had been damaged accidentally by a wrecking ball. By using various sheet metal shapes on the building facade, Gelber created an optical illusion that compensates for the out-of-level window, door and roof lines on the building. The building was also structurally reinforced for economic and safety reasons.

The sheet metal also created a dramatic appearance, in a sense making the entire building front a sign, which was what the owners wanted. The design responded to another problem: any new materials on the building had to be fireproof according to code.

"We had to do it on a shoe-string, so we did," said Gelber, who sums up his approach to architecture as "do with what you have."

Fisher makes life a little easier for many at Cornell

by Sam Segal

Making life more livable for people with disabilities is a labor-intensive business. Though some accommodations, such as ramps, end up serving a broad public, they are often undertaken to accommodate a single person.

They have to be, under the law. But there are better-than-legal reasons that motivate students and staff at Cornell to involve themselves, usually on a voluntary basis.

Joan B. Fisher, coordinator of disability services in the Office of Equal Opportunity, collaborates on individual cases with OEO Associate Director Valerie Hayes. Fisher, who came to Cornell in 1987 from the state vocational-rehabilitation office in Indiana, handles matters of accessibility around campus and cases involving students with disabilities; Hayes provides assistance on issues and concerns of employees.

The limited staff and one-on-one nature of the work have two major consequences: that the institution is heavily dependent on disabled people themselves to report their needs; and that various networks and committees of volunteers are needed to act upon what Fisher learns.

Newly admitted students have the option of reporting disabilities on a form included in mailings to new freshmen. And faculty and staff have the option of responding to a questionnaire on disabilities. But the fact is that Cornell's first contact is often when someone walks into the OEO office on the second floor of Day Hall to complain, inquire or ask for specific help on anything from braille bus schedules, to hiring a reader or note-taker, to finding computer software that will circumvent a disability.

"When the same kind of problem comes up more than once," Fisher says, "we need to set up a wider discussion to look for a solution."

Such general problems might be how wheelchair-using employees can be evacuated during fires — when elevators stop — or how to make Cornell Cinema, moved from Uris Hall to the basement of Willard Straight Hall, accessible to people with disabilities. Fisher has a group to consult with on almost any student-related problem. She has a general council of 17 "disability representatives" from every college and from units such as the Library or Department of Athletics.

She co-chairs an Advisory Committee on Disabilities and Technology; she sits on a committee reviewing all implications of the 1990 Americans with Disabilities Act; she helps screen blueprints for construction jobs or building rehabilitation and advises on physical changes to make the campus more accessible; and she works with a student-led "gentle advocacy group" that tries to explain to specific campus units, such as the Library or Campus Store, the physical difficulties faced by people with disabilities.

Fisher also fosters support groups, including one for the deaf or hearing-impaired, one for learning-disabled and one for can-

cer survivors and their families and for people with chronic illnesses.

The group examining Cornell's compliance with the new federal law is chaired by Joycelyn Hart, associate vice president for human relations. She is assisted by Paul Griffen, associate vice president for facilities planning and construction, and OEO Director William Thompson.

The new law essentially extends to employment, public services, and public accommodations the obligations that Cornell already faced under a prior law, which affected only recipients of federal funds. The law also addresses telecommunications and transportation accessibility. The basic obligation is that if any student or employee asks for access to a course, program or facility, Cornell must provide access. Failure to comply under the earlier law could mean loss of federal funds; now it can mean fines and exposure to lawsuits.

Hart's group is also looking at the special requirements in the new law. It may be that providing a handicapped bathroom is no longer enough if the "path" to and from it is not adequately accommodating for disabled people.

No special favors, please

by Martin B. Stiles

"We just want to be treated like anybody else. But hey, I'm not immune myself. I have a hard time dealing with some deaf persons," says Ray Kujawski, a blind computer consultant in the Theory Center for the past four years.

"Just make a conscious effort to respond to the particular circumstances," he adds, explaining that sometimes people yell at him, thinking he'll understand better, when it's obvious that he is blind, not deaf.

Blinded by a cancerous tumor when he was only a few months old, the 41-year-old electrical engineer recounted how his parents and siblings responded to the circumstances of his blindness.

His mother fought to have him admitted to regular kindergarten classes in public school on Long Island so that he could be educated with and like other children. And he was, working his way toward a bachelor's degree in 1972 and a master's degree in 1974 in electrical engineering from Rensselaer Polytechnic Institute.

His father taught him to visualize letters and numbers by feeling automobile license plates and to understand the world of sports by having him feel the different pieces of athletic equipment in sports store.

His mother wouldn't let him go out to play until he had practiced not the piano or violin, but on a typewriter for the time

he was in the fourth grade.

"She told me it would be my means of communicating the rest of my life," he says.

His younger sister started reading to him when she was in the second grade. Now electronic wands that feed printed words into a voice synthesizer are becoming more available. He doesn't have one yet.

But for years Kujawski has talked to his computer with a keyboard, and instead of seeing the results on a screen, he hears them on a voice synthesizer that talks back to him at the speed of an auctioneer.

In this way, Kujawski, an expert in the computer language FORTRAN, trouble-shoots problems that users nationwide run into using the Theory Center's supercomputer. One of the users he's helped was a successor to the medical group that operated on the tumor in his eyes more than 40 years ago, he says, remarking at the wonder of it all.

While much progress has been made, there are still prejudices against the disabled that must be overcome, he says. This hit him first hand in 1988 when, after being laid off by National Cash Register in Ithaca after 14 years there, he was turned down twice for jobs for which he was eminently qualified. "The rejections were never put in writing," he says pointedly.

He then applied to Cornell after his father told of him of a job opening that he spotted in the *New York Times*.

Equal access: more than just words to disabled people

by Sam Segal

A permanent wheelchair ramp was attached to the back of the A. D. White House so an English Department graduate student could attend a seminar at the Society for the Humanities.

Another ramp was built to McGraw Hall two years ago because a single student wanted to take an archaeology course. (Had it been practical to move ancient objects used in the course, the class itself would have been moved to another building — as is done not infrequently to accommodate a single student.)

Law requires that such ramps be permanent, which entails the same municipal red tape as any building project and means a cost of \$30,000 to \$40,000 each.

For an institution where only about half a dozen students and employees use wheelchairs, such solicitude may seem excessive. But not if you talk with Robert Holdsworth, an Ithaca lawyer who got his bachelor's and law degrees at Cornell in a different era.

In 1975, between the time he applied and the time he was admitted to the College of Arts and Sciences, Holdsworth was struck by a virus and suddenly paralyzed.

When he called an administrator to ask about wheel-chair access, "she said, 'You better think about going somewhere else,'" he recalls, adding:

"I got mad. I don't like being told what to do. So I went to Cornell."

He arrived in 1976, a year before the effective date of a law requiring federal fund recipients to make facilities accessible to people with disabilities.

"There was nothing," he says, "no ramps, no curb cuts, nothing. I tried moral suasion; but nothing worked until they were forced to. I had to hire a student, at \$40 a week, just to get me in and out of buildings."

He had to give up linguistics as a major because Morrill Hall was inaccessible. To get into Uris Library, he would go into Olin and take an underground tunnel. He had his science requirement waived because, while he could get to the lab, the microscopes were too high for him to look into. He drove a car from class to

class but, before the law brought changes, it still took an hour, he recalls, to get from Ives Hall to adjacent Uris Hall.

"There's a series of corridors and elevators to get out of the building from your class; then into the car, with all your junk; then you drive and park and take the junk out and then there's more elevators and corridors. You had to arrange your schedule accordingly."

Holdsworth remembers very helpful individuals, particularly Richard Polenberg, Goldwin Smith Professor of American History. When he phoned Polenberg to say that there was no way in to Bailey Hall to hear his lectures, Polenberg said he would tape the lectures, give Holdsworth the tapes and assign him to Polenberg's own seminar in Ives Hall.

"I didn't actually attend the lectures, but it worked," Holdsworth says, "without his having to pull in the weight of the bureaucracy."

Once the law took effect, everything changed, Holdsworth says. He was put on a university committee deciding priorities for projects to make the campus more wheelchair-friendly. In three to five years, great changes were made.

Though the handicapped parking spaces are still too narrow, he says, "Cornell is pretty much there today; I am never unable to attend something I want to attend."

Today, Cornell's efforts to accommodate disabled students and staff go far beyond ramps and curb cuts. Some such basic means of access, especially in old buildings, are still added as individuals request access. But other accommodations are made to help people in their rooms and classes and at their computer terminals.

- Deaf or hearing-impaired students may use TDD devices that mediate two-way typed "conversations" through an ordinary phone; they can also use 25 volume-booster phones on campus and get strobe-light alarms put in their rooms, interpreters for classes or special educational events, and note-takers or tutors.

- Blind or vision-impaired students may arrange for mobility instruction to learn the campus, note-takers, access to tapes, a

Kurzweil designed, by students, is a tactile campus map helpful to blind people who want to use more varied routes than the basic ones that are most easily learned.

Billie Gabriel, co-chair of the Committee on Disabilities and Technology, is an Office of Information Technologies manager who has become an expert on special-needs software and hardware.

She follows the market, writes funding proposals, and tries to bring innovations to Cornell. If they go in public space, Cornell pays the bill; she is also able to advise individuals in a position to buy their own equipment. In either case, she looks for technology at reasonable cost so that, once the users leave Cornell, they or their future employers will be able to replace such aids without great hardship.

Two innovations should be available, publicly, soon, Gabriel says. One is a screen-reading computer that can "read" back what the visually impaired user has already typed. The other is a scanner with special software to copy pages of books and digitally store them in the computer that can then read them back to the user. This will be a great improvement because of the cost and paucity of materials now available on audio tapes.

Other innovations in the market but not yet on Cornell's horizon are:

- A computer that can print in braille.
- Software that lets the deaf "hear" through any personal-computer screen. The screen can display directly what a caller, using any touch-tone phone, "types" on to the lettered squares of the phone. The deaf person may then type in an answer which, through a voice synthesizer, arrives as sound in the caller's telephone.
- A machine that learns the voice of a user who cannot type; the machine will thereafter type 35 to 40 words a minute as the user dictates.

Gabriel hopes that Cornell will eventually have a center where disabled people or their advocates will be able to examine and test a wide range of such equipment, which can now be done only by visiting centers in Utica or Buffalo.

Day Hall pragmatist wins everyday victories

By Martin B. Stiles

"I'm not brave, I'm a pragmatist," says Pat Podufalski, who since being paralyzed from the waist down in a 1965 car accident:

- Graduated with her class from Ithaca High School in 1966.

- Graduated from Ithaca College in 1971 with a bachelor of science degree.

- Earned a master's degree in speech pathology from Ithaca College in 1972.

- Married her high school sweetheart, Frank Podufalski Jr., a supervisor at the Ithaca Post Office.

- Gave birth to a daughter, Theresa, in 1972 and to a son, Anthony, in 1975.

- Started work as a temporary administrative secretary in the president's office in 1977 and stayed, including returning to her position after a bout with colon cancer in 1988.

- Accomplished many routine-for-others things such as vacuuming the rugs in her house, "which gets frustrating at times because it takes so much longer to do from a wheelchair," she says.

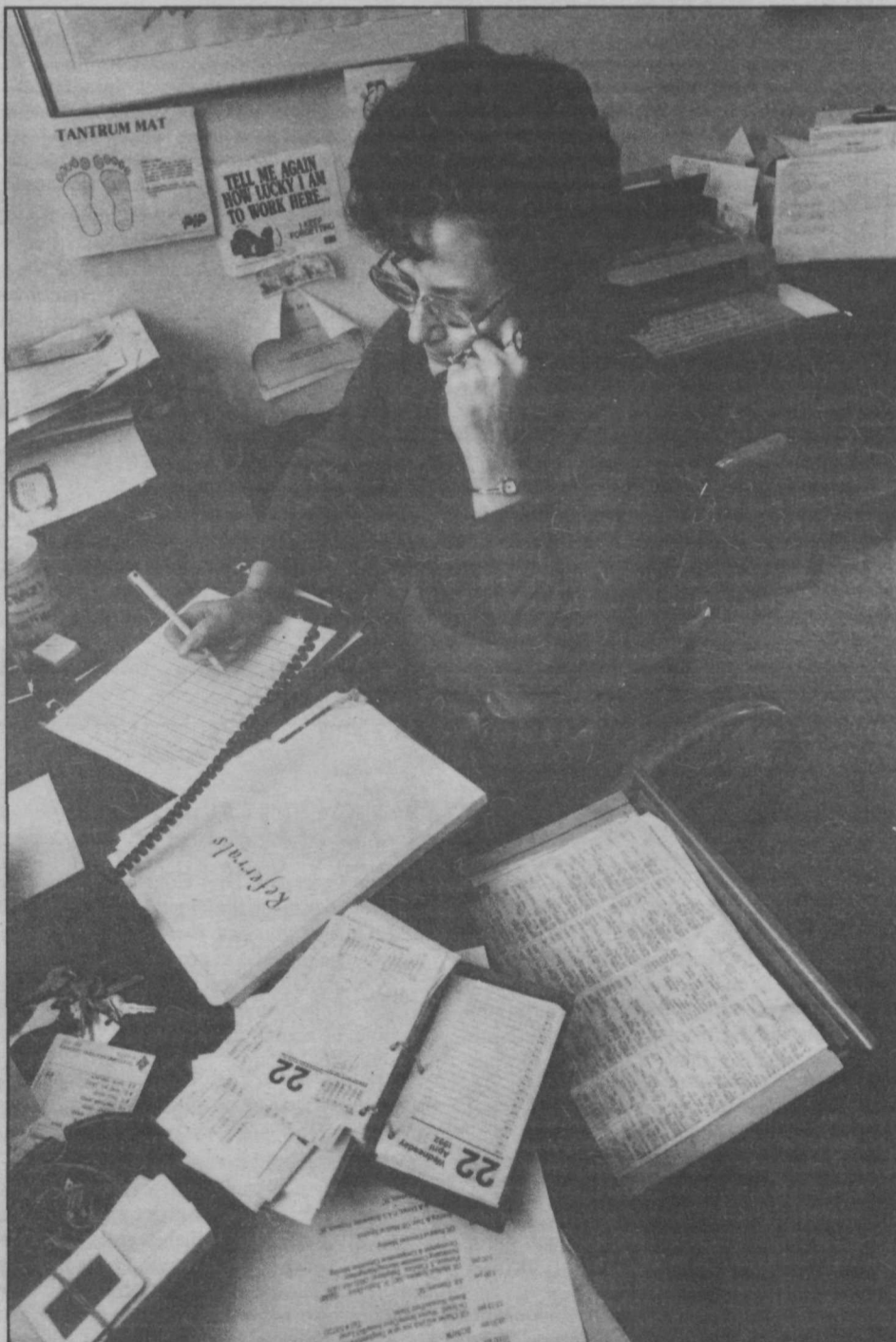
- And, above all, applied her pragmatic approach to life — including on the day that her young son eluded the vicelike grip at the end of her outstretched disciplinary arm and crawled under his bed with the words: "Nyah, nyah, you can't get me here."

"You're right, I can't," she replied. "But sooner or later, you're going to have to go the bathroom, so I'll just wait right here in the doorway." Immediately he started plea bargaining the degree of punishment that he knew he would inevitably receive.

"I guess I was just born with my attitude," Podufalski says. "I applied to Ithaca College, probably the most handicapped-inaccessible campus on Earth despite being a leader in physical therapy, with the idea that I would worry about it when I got there." As it turned out, there were always a few muscular young men ready to lift her wheelchair over a curb or up a flight of stairs. And the Campus Patrol let her park her car anywhere except in front of a fire hydrant. But she did experience occasions of insensitivity; once, for example, a professor refused to change a class location to accommodate her disability.

The greatest improvement in the treatment of the disabled over the past decade or so has been in the construction of facilities to accommodate the needs of the disabled, she says.

But what could be termed "institutional insensitivity" still persists. Podufalski had to "raise \$#&%" which she is very capable of doing, to get a towel dispenser appropriate for the disabled installed in a Day Hall restroom. The project had been stonewalled because the tow-



Peter Morenus/University Photography

Pat Podufalski, a self-described pragmatist, works at her desk in Day Hall

els for the special dispenser were more expensive than the regular ones, she says.

"Another thing, and I do understand and appreciate the added expense and problems in modifying older buildings, but the elevators in

Day Hall and some other older buildings still don't have braille floor numbers," she says. "Recently a blind man got lost for a while in Day Hall after 5 p.m. when there was no one around to ask for help."

Disabilities *continued from page 1*

are actually precise, legally sanctioned tests to determine if someone is learning disabled. (Thirteen of 15 students referred for outside testing last year were found to be learning disabled.)

Of the 179 students identified as having disabilities last year, 82 were learning disabled. The next most numerous disability was impaired mobility (49), which omits many people temporarily disabled by accidents; a distant third was blind or visually impaired students (15).

Actually, blindness and other visual impairments are growing less common at Cornell, particularly among American students, Fisher says.

She notes that advancements in the care of premature babies and in the treatment of infections has reduced common causes of blindness in America.

In 1978, Cornell recorded only 19 students with disabilities of any kind, but that was just a year after the Rehabilitation Act of 1973 went into force.

The act, particularly Section 504, threatened recipients of any federal aid — including universities — with losing that aid if they did not make facilities and programs accessible to anyone with a disability.

When Fisher came to Cornell in 1987, she identified 70 students with disabilities, a number that rose to 190 in 1989-90 and then dropped to 179 in 1990-91, with learning disabilities the only category growing steadily.

One reason for the rise is greater consciousness of the problem in grade school and better diagnosis of specific learning disabilities that often were mistaken in earlier days for retardation, recalcitrance or indolence.

Dyslexia, in which a reader transposes letters of words, is the best known learning disability, Fisher says, but there are dozens of ways that learning is impeded — ranging from attention disorders to processing difficulties with spoken or written words, to difficulties with numbers. They are apparently caused by irregularities in brain structure or function.

While they cannot be "cured," they can be circumvented through more time or some adaptation that allows an alternate learning process. Fisher notes that learning-disabled students are of the same intelligence range as all Cornell students.

Another reason for the increase in the number of learning disabled students, Fisher says, is that there is less stigma, and both the students themselves and their teachers are more likely to identify problems and work on solutions.

"Most faculty show a caring attitude once they understand the problem," she says, noting that even the professor who initially laughed at the report of an attention-deficit disorder later became an attentive advocate of the student.

Reader Survey — Tell Us What You Think

What do you think of *The Chronicle*? We'd like to know. We've been trying some new features and formats, including:

- Four-page **Special Reports** on AIDS, financial aid, sexual harassment and campus diversity.
- **Cornell People** profiles of faculty, alumni, students and employees.
- **Cornell Life** columns that have ranged from the Veterinary Open House and the faculty art show to students and staff coping with the loss of their homes in a downtown fire.
- **Opinion** pieces by members of the campus community that included reflections on a student's suicide and the assignment of freshman housing.
- **Reprints** of reports on cultural activities and reaccreditation.

We've also expanded our coverage of campus events and lectures in an attempt to convey a better sense of what it means to be at Cornell.

How well are we doing? What are we missing? Please take a few moments to complete this survey and return it via campus mail to:

Chronicle Survey
News Service, Village Green

Regular Features

Rate your interest	Very Interested	Average	Not Interested
Cornell People profiles			
Cornell Life columns			
Cornell Research items			
Cornell History items			
Commentary/Letters			
Notables			
Briefs			
Calendar of Events			

Comments on the above features

Photography

Do we use the right number of photographs? (please circle one)
Too Few Just Right Too Much

Comments about photography in the Chronicle

Types of Articles

Rate coverage	Too Little	Just Right	Too Much
Science			
Arts			
Campus events			
Classroom activities			
Employees			
Administration			
Community relations			
Profiles			

Comments on these types of articles.

What's missing, or what should we do more of?

Special Reports

Rate effectiveness	Excellent	Average	Poor
Diversity on campus			
Sexual harassment			
Financial aid			
AIDS on campus			

Do you like having a topic treated in detail in a Special Report?
Yes No

Comments on the above reports

Suggestions for future topics

Inserts

The Chronicle occasionally contains an insert published by units on campus, including Plantations, International Studies, Summer Session and the Biotechnology Program. How effective are these inserts in terms of communicating with the campus community? (please circle one)

Very Effective Somewhat Effective Not Effective

Reprints

Rate effectiveness	Excellent	Average	Poor
Task force on cultural activities			
Reaccreditation study			
Response to Ithaca's Cornell-City Relations Study Commission			
President's State of the University Address			

Comments on the above reprints

Circulation

How do you get your Chronicle?

- It's placed in my campus mailbox
From a central location in my department
From a central location in my building
At a campus location other than where I work
Please specify where
Other

Is the Chronicle easy to find every Thursday morning?
Yes No

If NO, why not?

Do you have a suggestion on how to improve distribution of the Chronicle

Would you be interested in seeing the Chronicle also delivered to off-campus locations, such as downtown Ithaca or Collegetown?
Yes No

Why or why not?

Readership

On average, how much of the Chronicle do you read each week? (please circle one)

All Most Half Less than half Scan the headlines

Are you: faculty staff student (please circle one)

Name (optional):

Department/Residence:

University sponsors Libe Slope festivities

This year's celebration of the last day of classes at Cornell on May 1 will be a festive affair jointly planned by students and university administrators and will include live music, food and free soft drinks on Libe Slope throughout the afternoon.

Rock 'n' Roll Chowder, a popular local band, will play from 2 to 6 p.m. Cornell Dining will serve a chicken barbecue in The Glen

"We're trying to organize a fun, festive and safe day for students."

between Sage and Day Halls from 11 a.m. to 4 p.m. and will re-create the 1950s with a "Cornell Diner" theme in dining units that evening, serving "comfort foods" like chicken pot pie and chocolate sundaes.

The university is sponsoring this year's festivities through the Office of Academic Programs and Campus Affairs in conjunction with the Dean of Students Office. A student commit-

tee chaired by Wendi Herbstman '92 is organizing 250 volunteers from the Interfraternity Council, Panhellenic Council, the Black Latino Greek Council, Class Councils and Concert Commission to ensure that students have safe fun and adhere to the university's alcohol policy.

Serving with Herbstman on the student committee are Josh Bernstein '93, Janelle Piccone '92, Andrea Cheffers '93, John Schieffelin '93, Adam Hemlock '93, Mary Wallace '92 and Jennifer King '92.

"We're trying to organize a fun, festive and safe day for students to celebrate the last day of classes," said Herbstman. "We hope people will display responsibility and enjoy themselves by dancing and eating, and not by alcohol abuse."

"The band will be set up by the flagpole on Libe Slope and will play all afternoon," she added. She noted that the event is not registered as an alcohol event, so no kegs or beer balls will be allowed.

The chicken barbecue in Wee Stinky Glen will be free for co-op members and \$5 cash for others, said Stuart Orefice, assistant director of dining services.

Free Coke and Diet Coke will be served from 2 to 6 p.m. on the Slope and pizza will be sold. Outside vendors, including Lou's Hots, will also be on hand to provide food.

"Cornell Diner" will serve food during the regular dinner hour in all dining units that evening, he added, and in Willard Straight and Jansen's until 8 p.m.

Marjorie W. Hodges, the campus Judicial Administrator, reminds students that the Campus Code of Conduct is in effect even on the last day of classes, and even for seniors.

"If you are charged with a violation of the Campus Code, you may not get your degree in May," she said, adding that degrees are withheld until violations of the code are resolved by her office. She advised students to obey all state drinking laws, as well as the Code of Conduct.

Randy Stevens, assistant dean of students who is coordinating the event for the Dean of Students office, remarked, "We want students to enjoy the last day of classes as a celebration of a successful year."

He added, "Please remember to obey the drinking laws and act responsibly toward one another."

Auction of costumes for Sciencenter

Everything goes! Still have a bit of the kid in you? Do you know a child who adores playing dress-up?

If so, take special note of Sunday, May 17, when the Sciencenter will be holding an auction of slinky costumes, feather boas and feathered, flowered, fruited and floppy hats. There are groups of men's costumes as well, cut to show muscle for groups of pharaohs, cavemen and vikings. And there will be boxes of children's dress-up costumes.

The costumes are from the collection of Peggy Haine, formerly with the Lowdown Alligator Jass Band. They will be auctioned at the biotechnology building. Doors open at 11 a.m. for inspection and the bidding starts at 1 p.m.

Food will be available too, presented by Cafe Decadence and Coyote Loco, both of which will be donating a share of their proceeds to the Sciencenter.

The Sciencenter is seeking to raise \$1 million in cash and donated labor and materials to build a hands-on science museum in Ithaca. The museum will be built this fall by volunteers.



Cornell Plantations

Introducing Plantations Path !

The lands managed by Plantations extend for miles along the northern and southern boundaries of the Cornell campus, following the course of Fall and Cascadilla creeks. Within these areas are numerous landmarks, including waterfalls, forested trails, stone bridges, gardens, and the arboretum. Individually these areas represent the "jewels" in the necklace of Plantations, but they spread out over several miles, so the physical and conceptual links between these separate points are not always apparent to visitors. One Cornell professor of landscape architecture has likened Plantations to a "necklace without a chain."

We are proposing a plan to strengthen these links and to increase awareness and recognition of Plantations. Many students still spend four years at Cornell without discovering what Plantations has to offer in the way of recreation, educational programs, and stress relief! By the same token, many members of the local community are unaware that Plantations welcomes public visitors and that our educational programs and beautiful landscapes are meant to serve as an important connection between the university and the community.

Even people familiar with Plantations are often unaware of the extent of our resources. Cornell staff and students commute to campus along the walking trails in the gorges and slip away on sunny afternoons for lunch on the shores of Beebe Lake. But how many of these people realize that these spots are all part of Plantations? How many alumni realize that many of their fondest memories of the campus are really memories of Cornell Plantations?

The project we are planning is called Plantations Path. Initially it involves three major steps. First, we have defined a walking route (using existing trails, roads, and sidewalks) that connects the western and eastern ends of Plantations—from downtown Ithaca to the Newman Arboretum. The middle portion of this route crosses the central campus, connecting Cascadilla Gorge (near College Avenue) and the Deans' Garden (on the north side of Warren Hall).

Second, we are planning to place signs along the

Path with outdoor displays that show a map of the Path and provide interpretive information on the immediate surroundings. In addition, markers will be inserted in the ground to help hikers pace their walk and follow the trail easily without making frequent reference to a map.

Finally, we will produce an interpretive booklet that describes the Path and the points of interest along its route. In areas like the gorges and Beebe Lake, it will concentrate on natural history; in the botanical garden and arboretum it will discuss our plant collections. The booklet will also serve as a guide to a walking tour of the central campus, including information on architecture, Cornell history, and the colleges, as well as points of horticultural, geological, and scenic interest. Surprisingly, there is not currently any written guide to the central campus that is readily available for students, visitors, or the public. The booklet we plan will meet that need, while simultaneously introducing readers to the beauty and diversity of Plantations.

Plantations Path is not a construction project. The trails, roads, and sidewalks it follows already exist. But if you walk the length of the Path from Treman Triangle to the Newman Overlook, you will encounter several areas that could stand improvement, either for safety reasons (unmarked road crossings), convenience (more direct connecting trails), or aesthetics (new plantings and path designs). In the long term, the Path will help us plan these future improvements and in this sense it serves us well as a long-range planning tool.

The article on the next two pages describes the proposed route for the Plantations Path. One of our goals is to link the campus gardens and green spaces with community trails such as Cayuga Trail. We would like to hear your response to our ideas and to the specific route we have proposed. Have we missed some of your favorite spots within Plantations? Do you have any ideas you want to share concerning the type of information we should include in the interpretive booklet? You might want to walk the route of the Path first. It's fun! And if you take the uphill route, very good exercise.

Jim Affolter, Director



Inside Trail Guide

"Growing" Endowment

When the university kicked off its \$1.25 billion campaign in October of 1990, the timing was perfect for Plantations. The past ten years have seen some truly extraordinary growth in our collections and educational programs. Now it's time to shift our energies into building a secure financial future.

Plantations' goal within the overall campaign is \$8.5 million. Today, we are about to reach the \$3 million mark or 35 percent of our goal.

Plantations' campaign has three key areas of endowment need: \$3.8 million for the education program, \$1.9 million for the arboretum and garden endowment, and \$1.3 million for natural areas management. Most of the remaining \$1.5 million will be raised as unrestricted annual support. Named gift opportunities are available within each of these program areas.

Under the leadership of Madolyn MacAdams Dallas '58, our dynamic, energetic, and devoted campaign chair, 22 campaign committee members from across the country have joined the effort and are now actively working in support of Plantations.

According to Maddi Dallas, Plantations' greatest challenge in this campaign is that, unlike the colleges whose alumni are a clearly defined constituency, no one has graduated from Plantations.

On the other hand, every student who has spent time on the Cornell campus has been touched by us in some way. Whether they have hiked to the arboretum for a field lab, walked a gorge trail, or jogged around Beebe Lake, their experience at the university has been enriched by the natural resources and beauty of Cornell Plantations.

Kathy Cole, Development Director



Take a Hike, Not a Bike

Have you recently walked the nature trails on the slopes of Fall Creek upstream from Flat Rock? If so, you may have been disappointed, alarmed, angered, frightened, or even injured by unauthorized bicycle use on these hiking trails.

Plantations' policy is that no vehicular use is permitted in natural areas. For environmental and safety reasons we must enforce that regulation. That means bicycles are not allowed on or off the trails in natural areas and on unpaved paths in the gardens.

Many bikers are unaware of the damage that a ride on their mountain bikes can cause to the very environment they are out to enjoy. Those gripping tires, which make mountain bikes so ideal for use on dirt and gravel roads, are eating up our hiking trails. The deep tire ruts left in the soft soil by bikes are very much like the damage from motorcycles.

This spring, tire ruts turned into quagmires (photo above right). Passage on foot through some sections of the trails in natural areas was nearly impossible. But, undaunted, bikers skirted past the muddy holes, thus widening the trails, increasing the damage, and destroying surrounding plant life. On



steep slopes the problem is compounded. The loose soil and gravel have washed away from tire ruts, so washouts have become common, and there are regular gullywashes on parts of the trails. This severe erosion problem will be difficult and expensive to rectify.

Natural areas trails are designed for pedestrian use, not bicycles. The trails are winding and vegetation obscures the view ahead, so fast-moving bikers ride "blind." Controlling and stopping a bike, even a mountain bike, on a steep slope or a trail with a loose surface can be very difficult, making encounters between bikers and hikers dangerous and frightening.

If you think the problem is being exaggerated, please look for yourself—on foot! You might just find you enjoy the natural area more at a slower pace.

Nancy Ostman, Natural Areas Coordinator



WILY WILDFLOWERS: Curiosity Takes You Everywhere

All children have a natural curiosity about the world around them, and there is so much to learn from our native wildflowers. This Saturday morning, May 2, Plantations Education Program staff and volunteers will be hosting an event, "Wily Wildflowers," in the eight-acre Mundy Wildflower Garden.

This program is designed for elementary school children and their parents. Planned activities will encourage everyone to ask the questions "why" and "how" and search for the answers. How does Skunk Cabbage bloom so early? When should Jack-in-the-Pulpit be called Jill-in-the-Pulpit? Why does Stinking Benjamin stink?

Part of National Science and Technology Week at Cornell, which runs from April 26 to May 2, Wily Wildflowers is free and open to the public. Intended to be enjoyed at your own pace, the program begins at the Mundy Wildflower Garden entrance off Caldwell Road. Come any time between 10 a.m. and noon.

Take a Hike—along Plantations Path

Walk through some of Ithaca's wildest, most untamable, and dramatic landscapes. Visit lush, colorful, intimate gardens. Be inspired by vast majestic spaces. Join in Cornell's long tradition as a walking campus and take a walk on the wild side—a hike on Plantations Path.

Where is Plantations Path? Happily, it already exists, though it may be a bit hard to see. Gorge trails, campus sidewalks, and established footpaths already make up most of its length. When we put up maps and markers, it will be more visible than it is today; but it is possible to walk along the entire four-mile length at present. Follow the map on the opposite page.

1. Cascadilla Gorge

Every, artist, scientist, and philosopher in the history of mankind has pointed to the laws of nature as his greatest source of inspiration....

Peter Blake, *God's Own Junkyard*

Begin your hike along Plantations Path at the bottom of the Cascadilla Creek gorge and seek your own inspiration from this surprisingly wild, undisturbed natural environment in the midst of one of Ithaca's most densely populated neighborhoods. The Path starts at Treman Triangle, a small creekside park, just a few blocks from the Ithaca Commons. It follows the creek upstream through a narrow gorge that was slowly carved over thousands of years through layer upon layer of ancient sea beds.

Built in the late 1920s, this first part of the path is characterized by the sound and feel of water, as well as by the often breathless exhilaration one gets from



Cascadilla Gorge Trail

walking uphill. The gorge is always cool, shady, and moist, even on the hottest summer day, and its steep, cavernous walls literally drip with moisture and with ferns.

Cascadilla Gorge brings the surrounding countryside right to the heart of campus and downtown Ithaca and is a popular circulation route for plants and wildlife, as well as people. It is actually quite common to find titmice, orioles, pileated woodpeckers, warblers, tanagers, and other wildlife in Buffalo Street backyards.

Whether you're commuting to campus or just out for a stroll, walking up through the gorge encourages a sense of detachment from everyday reality. You can easily forget you're in the midst of a twentieth-century city and feel like an early pioneer or explorer. When you reach the top you have a sense of accomplishment. Justifiably so, because you just climbed a third of a mile of steps.

You exit the gorge beneath the loggia of the Center for the Theater Arts, a few steps from the College Avenue bridge. Take a moment to reflect on the very long history of the environment you've just left, on how important it has been to Cornell and to Ithaca, and on how striking and fortunate its presence is in the midst of our campus and city.

2. Campus

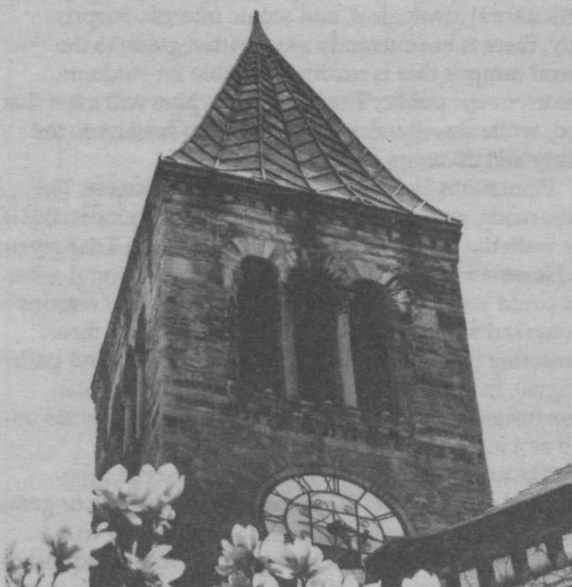
Seek not afar for beauty;
Lo it glows
In dew-wet grasses
all about thy feet...

Minot J. Savage

Cornell is world renowned for its gorges, for the dramatic landscapes and views they create, and for the beauty of its campus. Plants make up much of this beauty. We are blessed to have so many, and to have them in such a variety of outdoor spaces.

Though the exact route that Plantations Path will take through campus has not yet been determined, we know we want it to accomplish two goals: to unite as many of the exceptional plants, plantings, gardens, and quadrangles as possible, and to feature the history and architecture of Cornell, as well as its resources for the study of botany, natural history, and horticulture.

As you make your way through campus en route to



Uris Library Tower

Plantations headquarters, you will be able to visit such campus treasures as Willard Straight Rock Garden, a hidden rock garden with its very own waterfall; McGraw Tower, with its spectacular view of Inlet Valley; and A. D. White House, its gardens and grounds.

As the Path is developed, you will be offered alternate routes passing through more of the campus landscape, including Wee Stinky Glen, Miss Minns' Garden, and the Rock Parks on the grounds of the Engineering College.

Entering the College of Agriculture and Life Sciences, the Path crosses the quadrangle with its plantings of native and exotic trees. Eventually you find yourself following the Path through the Martha Van Rensselaer Quadrangle. At the end of that quadrangle, as the Path curves out of sight, you will find the entrance to the Deans' Garden. You are now back on Plantations land.

At Plantations, spring begins in the Deans' Garden, when the Chinese witch hazel bravely unfurls the four yellow petals of its intensely fragrant flowers. This usually occurs in March, but can happen as early as February if there's an exceptional warm spell. Dedicated to the past and present deans of the College of Agriculture and Life Sciences, the Deans' Garden is on the north side of Warren Hall. Witch hazel is quickly followed by a succession of flowering trees, shrubs, and perennials, making the Deans' Garden one to visit again and again.

3. Beebe Lake and Trails

Out of one wintry twig
One bud
One blossom's worth of warmth
At long last.

Ranstu, *Haiku Harvest*

As Plantations Path leaves the Deans' Garden, it follows the slope down through the woods that lie above the Beebe Lake shoreline. At the bottom of the slope, the Path forks and you must make a choice.

If you go left across Forest Home Drive, you may continue your woodland wanderings by taking the loop trail around Beebe Lake. This part of the Path begins at



Class of '66 Beebe Beach

the Class of 1936 Overlook and connects the lake's many botanical, geological, and man-made wonders.

Stroll along the water's edge and enjoy great blue herons or wade over to the island's colorful wildflower meadow. Cross the stone arch of venerable Sackett Bridge and hike along the jogging trail to the Class of '66 Beebe Beach and delight in the field of daffodils.

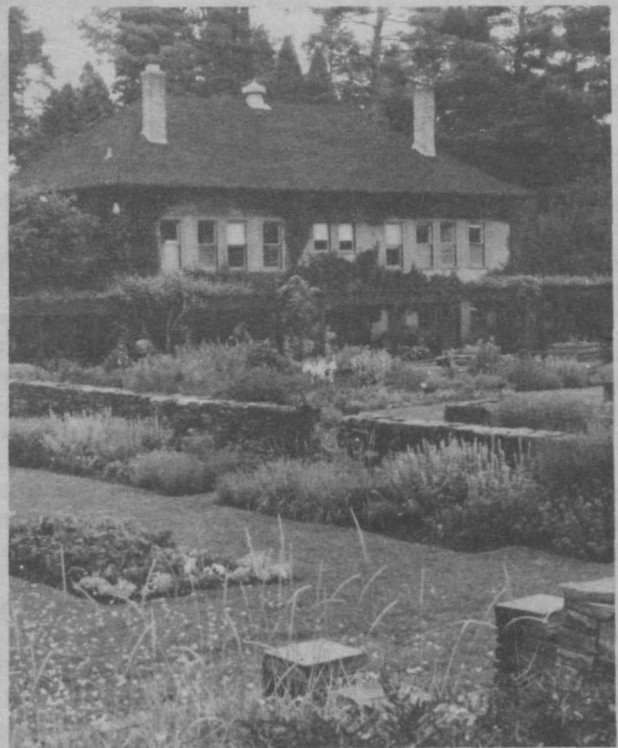
Many Cornellians commute to work and school along Beebe Lake's trails and jog there at lunchtime; just as many routinely use its vistas for sketching and painting or simply as a spectacular outdoor classroom. A historic feature of the Cornell landscape, Beebe's image is engraved on the memory of just about every Cornellian.

4. Botanical Garden

Even the general
Took off his armor
To gaze
At our peonies.

If you take the right fork after your descent from the Deans' Garden, you'll begin what is likely to be a delightful but time-consuming journey through Plantations' botanical garden. If you were to stare straight ahead and march briskly on, you could make it through in ten minutes. But should you catch a glimpse of one of the gardens and take one of the many side paths, you might end up spending hours here—reading labels and getting ideas for your garden, unwinding on a sunny bench, or relaxing in the shade surrounded by lush, colorful combinations of flowers and foliage.

If after gazing at our peonies and rhododendrons,

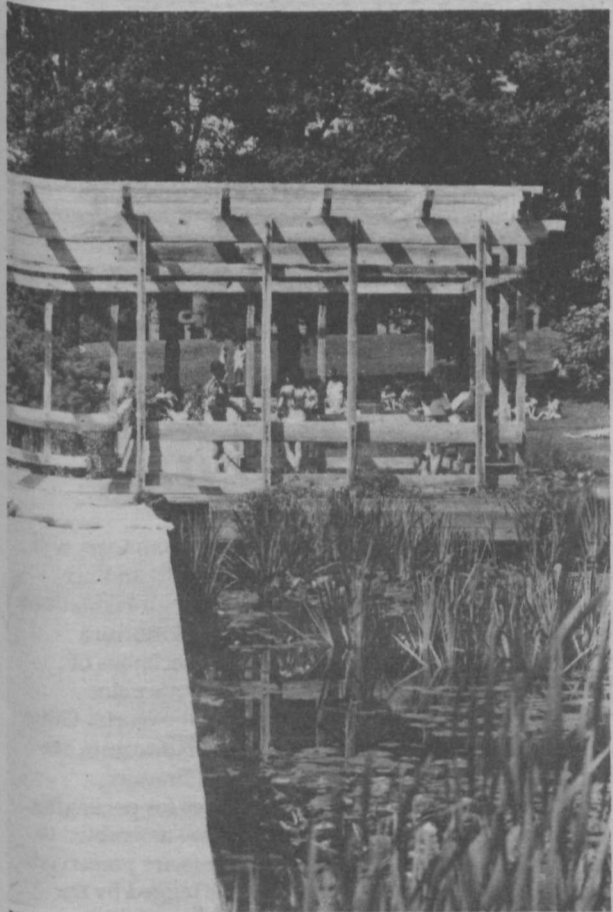


Plantations Botanical Garden Area

herbs, ornamental grasses, fruits, vegetables and ground covers, you've run out of time, you can return to Cascadilla Gorge via a section of the Path that loops back through campus.

But if you are ready for more walking, you can continue on the Path to Greenhouse Overlook, located behind the vast complex of Ken Post Laboratories on Tower Road. Originally built by the Civilian Conservation Corps in the 1930s, the badly deteriorated overlook currently serves as a parking lot. Someday its stonework and panoramic view of the F. R. Newman Arboretum and the Fall Creek floodplain will be restored.

From this once-and-future overlook, the Path descends to Caldwell Road. At this point you can either cross the road and enter the arboretum or follow Caldwell Road to the Mundy Wildflower Garden, where you can see and learn about plants native to the Cayuga Lake basin.



Houston Pond at F. R. Newman Arboretum

5. F. R. Newman Arboretum

Regard these trees, O far youth
of Cornell!!
For they who planned and
planted loved you well.
Charles Hugh Richardson Harper
Cornell Plantations

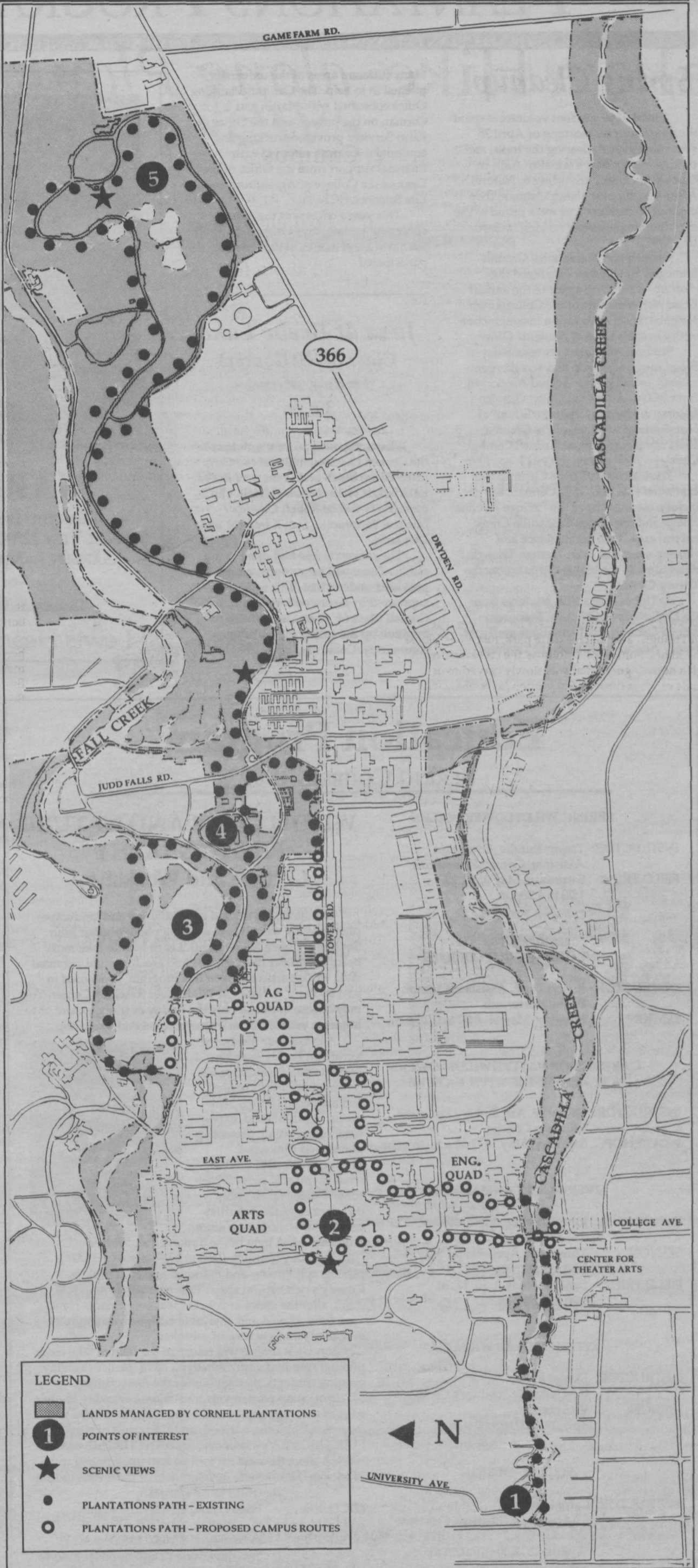
If you opt for the arboretum, the Path follows Plantations Road, winding for one and one-half miles through the arboretum's one hundred acres of dramatically varied topography. At the end of the Path lies the arboretum's "great bowl," a large hollow in a landscape carved centuries ago by Fall Creek.

From F. R. Newman Overlook, perched above the bowl on the steep, undulating ridge, you are rewarded with a breathtaking view of the plantings and ponds of the arboretum, a mirrored sliver of Fall Creek reflecting below, and the verdant hills west of Cayuga Lake in the background. This is a view befitting the culmination of such a long and varied journey, one you'll want to experience again and again.

Actually, your journey doesn't have to end here. If you choose, you can continue hiking for many more miles along the Cayuga Trail as it winds through Plantations' Fall Creek natural area.

Someday, Plantations would also like to extend the Path in a north/south direction to connect the arboretum with Cascadilla Creek, which is less than a mile away. Such a trail would finally realize L. H. Bailey's original concept of Cornell Plantations by uniting our two gorges. It would also connect Plantations Path with major campus and community foot trails and allow us to highlight the Cascadilla and Fall Creek watersheds, natural environments that contribute so much to the quality of life in Ithaca today.

Rick Bogusch, Landscape Designer



PLANTATIONS PATH

PLANTATIONS PROGRAM NEWS

CORNELL PLANTATIONS • ONE PLANTATIONS ROAD • ITHACA, NEW YORK 14850-2799 • (607) 255-3020

Spring Cleanup

A total of 60 student volunteers spent the grey Saturday morning of April 25 shovelling gravel, clearing the trails, and picking trash along Plantations' trails in Cascadilla Gorge. According to Natural Areas Coordinator Nancy Ostman, they enjoyed themselves and were proud of the contribution they were making to Earth Day 1992.

Ostman and Plantations' Ground Manager, Hal Martin, organized the cleanup, which was a part of the annual Good Neighbor Day of the Collegetown Neighborhood Association in conjunction with Cornell's Dean of Students Office.

Student volunteers represented a broad range of service and social organizations, including the Arnold Air Society from ROTC, Alpha Phi Omega service fraternity, Johnson Graduate School of Management volunteers, Phi Gamma Delta fraternity, and the Cornell Outing Club.

The Cascadilla Gorge Cleanup was expanded this year, says Ostman, to include the trail above the College Avenue bridge and the Upper Cascadilla Creek natural area. Trail maintenance and cleanup extended from Treman Triangle downtown to the tennis courts below the Theory Center.

At Upper Cascadilla, students from the Department of Natural Resources helped Ostman and Plantations gardener Nancy Adams coordinate the cleanup.

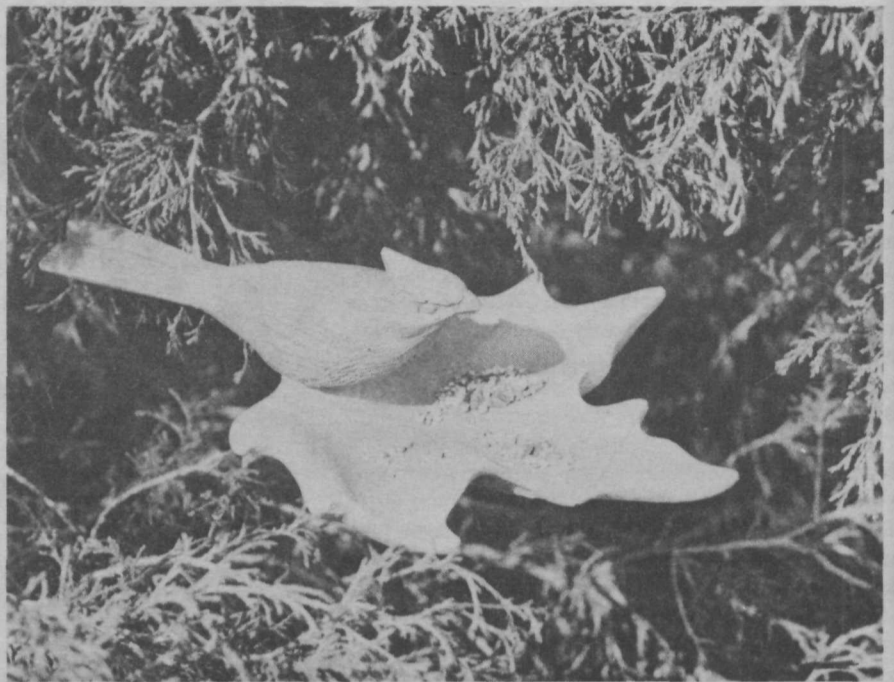
Many different areas of the university pitched in to help. The Campus Planning Office consulted with Martin and Ostman on the project, and the Office of Farm Services provided trucking and equipment for trash removal with financial support from the Office of the Dean of the College of Agriculture and Life Sciences.

This year's effort was the most successful to date, says Ostman. She and Martin wish to thank everyone who participated.

Jazz at Beebe Lake Class of '40 Concert Friday, May 1 3 p.m.

Plantations will present a concert by the Cornell Jazz Ensembles at the Class of '66 Beebe Beach on the shore of Beebe Lake below Helen Newman Hall. The performers will be Robert Cowie, Michael Ferraraccio, Dan Kerchner, and Dan Janis.

The concert is free and open to the public. There will be outdoor seating provided under a tent. This series is supported by an endowment from the Cornell Class of '40 and is intended to brighten up the spring for the whole community. Come one, come all!



GARDEN GIFT SHOP

ORCHID JEWELRY, LEAF FEEDERS & BIRD BATHS
SOIL TEST KITS, BOOKS, BOTANICAL PRINTS, TEE SHIRTS
GARDEN LANTERNS, SUNDIALS, DECORATIVE PLANTERS

Open Weekdays 8-4

Seasonal Weekend Hours: 10-5 Sat., 11-5 Sun.

Lewis Headquarters Building 255-3020

Education Program SPRING COURSES 1992*

SPRING WILDFLOWER WALKS

INSTRUCTOR: Trevor Rundle, Education
Assistant, Cornell Plantations
FIELD TRIPS: Saturdays, May 9, 16, 23,
1:00 to 4:30 p.m.

GARDENING TO ENCOURAGE BUTTERFLIES

INSTRUCTOR: Robert Dirig, Assistant Curator,
Bailey Hortorium
SESSION: Monday, May 11, 8:00 to 9:30 p.m.

GARDENS OF NATIVE WILDFLOWERS: A PARTNERSHIP WITH NATURE

INSTRUCTOR: Henry W. Art, Biology Professor,
Williams College
WORKSHOP: Saturday, May 16, 9:00 a.m. to noon

LIVERWORTS AND MOSSES

INSTRUCTOR: John Shaw, Botany Professor,
Ithaca College
SESSION: Thursdays, April 30 and May 7
7:00 to 9:00 p.m.
FIELD TRIPS: Sundays, May 3, 10, 17, 31
1:00 to 5:00 p.m.

KITCHEN HERB WREATH

INSTRUCTOR: Denise Jones,
Co-Owner of "Nature's Creations"
SESSION: Wednesday
July 29, 7:00 to 9:00 p.m.

FLORAL DESIGN

INSTRUCTOR: Carol Howel,
Co-Owner of "Nature's Creations"
SESSION: Tuesday
August 11, 7:00 to 9:00 p.m.

WILDFLOWER AND NATURE PHOTOGRAPHY Lecture and Workshop

Join us for a weekend of wildflower and landscape photography with award-winning photographer John Smithers (shown below right). Learn how to take more beautiful flower photographs and create a vivid personal style while participating in this program, sponsored in part by the U.S. National Wildflower Research Center. You may choose to attend only the Friday evening lecture or to immerse yourself in an intensive weekend workshop.

A three-hour illustrated lecture on Friday evening presents these critical topics: camera equipment, natural and artificial lighting, backdrops, depth-of-field, exposure, composition, protecting plants, and film types. Through the use of double screens you will see comparisons of slides taken under different conditions. Participants who want to take notes will need a pen light in the darkened auditorium.

Saturday morning (6:30 to 11:00 a.m.) you will photograph flowers and nature at one of Tompkins County's rich natural areas. That evening (5:30 to 8:30 p.m.), after the slides are developed, participants reconvene for a relaxed and enjoyable critique to learn from everybody's successes and mistakes.

Sunday morning you return to the field to take more photographs and apply what you have learned. Sunday evening students get together for the final critique.

Workshop participants must have a working knowledge of their equipment and bring a 35mm camera with a macro-capable lens, a tripod, and three rolls of either FUJICHROME Velvia or 100, or EXTACHROME 64X or 100X. A more detailed list will be sent upon registration. Workshop fees include development of three rolls of film.

LECTURE: Friday, June 12, 6:00 to 9:00 p.m.

WORKSHOP: Friday, June 12, 6:00 to 9:00 p.m.
Saturday, June 13 and Sunday, June 14
6:30 to 11:00 a.m. and 5:30 to 8:30 p.m.

LOCATION: Whetzel Room, 404 Plant Science
Building, Cornell University



Reading Palms

You never know where Plantations volunteers will show up. Though Amy Wheeler (below left) and Liz Howell (below right) were recruited through Plantations, they assist Bob Dirig at Cornell's Bailey Hortorium Herbarium. They are labeling some 75 specimens of palms that will be added to the Hortorium's palm collection, which is one of the largest in the world. Other Plantations volunteers who work at the Hortorium are Marge Zaitlin, Tobe B. Rothaus, and Liz Brauner.

These palms are cut into short pieces for packaging, but they can be reassembled, as bones are assembled to recreate a skeleton. All parts of the plants are preserved, from roots to flowers, and each piece is tagged by the volunteers.

Though palms are largely tropical plants—mostly treelike, but sometimes shrubs and vines—they are a



common part of our daily lives. The palm family includes two of the world's most important cultivated trees—the coconut palm and the African oil palm, which are primary sources of industrial vegetable fats. Various species provide a range of other necessities of life, especially in the tropics: edible fruits and seeds, sugar and starch, beverages, vegetable wax, fibers for ropes and brushes, stems for construction and furniture, and leaf material for thatching and basketry. Coconuts and dates come from palms, as does rattan furniture.

When the palm project is completed, these volunteers will tackle oak specimens. They also help sort plant specimens borrowed by Cornell faculty, staff, and students from other herbaria worldwide.

* Preregistration is required. For a free brochure including more detailed information and fees, call 255-3020 or write Cornell Plantations, One Plantations Road, Ithaca, New York 14850-2799.

CORNELL Employment News

Volume 4 Number 16 April 30, 1992

Published
by the
Office of
Human Resources

Personal Stories, Professional Lives

- A training coordinator finds herself taking over the responsibilities of her mother's life after over a decade of marriage, raising children, and holding down a full-time job. "My mother had a stroke that affected her entire left-hand side," she explains. "She would ask, 'Why me?' and I couldn't give her a reason. There are some things we have to somehow learn to accept. I'm not a trained caregiver, but I do my best. . . ."
- A married woman, eight months pregnant with her first child, gets nervous about the responsibilities ahead of her, and starts checking out the Day Care Council and day care centers as part of her planning. "Rule Number One," she discovers, "the child must be available for an interview. . . ."
- Two women work in the same department. One is uncertain about how to juggle work and caring for her newborn child; the other would like to change from working full-time to part-time. Together they work out a plan for job-sharing that meets their needs for time at home as well as the needs of their department. "Don't expect your supervisors to suggest this solution," they note. "You will need to take the initiative, anticipate the questions your supervisors may ask, and work out a plan of action that they can feel comfortable with. . . ."
- Unexpectedly, a woman's marriage breaks up, and she finds herself suddenly the single parent of three sons. With no education beyond high school, she contacts Displaced Homemakers and begins a new life. "Being single has given me flexibility in my lifestyle and in my relationship with my sons," she says. "We go camping now, and do projects together."
- Happily married and the mother of two sons, a woman decides to return to school to complete her Bachelor's degree while working full-time to further her career. She enrolls in SUNY-Empire and now, four years later and finishing her last semester, she talks about going on for her Master's. "Take it one class at a time," she advises, "and celebrate the completion of each semester. Why wait for the gusto? Why not do it now?"



Charles Harrington

Beth I. Warren

All these stories share a common theme: all struggle with balancing the needs of the family with the needs of the workplace. These particular personal stories were presented at this year's symposium celebrating Secretaries Day, "Work and Home Issues for Office Professionals in the 1990s," held on April 22 in the Biotechnology Building. Over two hundred office professionals attended this four-hour event sponsored by the New York State School of Industrial and Labor Relations, division of extension and public service.

The symposium was organized around several key topics relating to home and work issues: "Managing Senior Care," "Organizing Child Care," "Finding New Ways of Working," "Being Single," and "Continuing Education." For each topic, panelists recounted their personal experiences, and resource people provided an overview of the services available at Cornell and in the Tompkins County area. Jennie Farley, professor at ILR, moderated the program, and Joycelyn R. Hart, associate vice president for human relations, and Beth I. Warren, associate vice president for human resources, presented opening remarks.

In some ways, the needs for nurturing at home and for support at work are not that different. "We are, after all, support staff," noted one participant, "and our departments have come to rely on us in that role." But, as a 1988 U.S. House of Rep-

resentatives report indicated, the average American woman will spend 17 years raising children and 18 years helping aged parents. The cumulative effect of so many extended years of caregiving, combined with the rising numbers of women in the workforce, puts an ever-increasing strain on the women who are expected to fulfill these roles. "Rule 3," the young mother explains, "you will always feel guilty."

For both panelists and resource people, planning is the key to getting through. From setting up a schedule for performing caregiving functions for the elderly relative, to having "a back-up to a back-up to a back-up" in child-care options--to planning ahead financially so that the sudden death or departure of one's husband does not leave the caregiver stranded in an alien world of bills and poverty--all these are important strategies for gaining control over a situation seemingly beyond control.

And, without exception, the presenters spoke of the critical role for an understanding network of family, friends, professional caregivers, and supervisors.

"We at Cornell are part of a national trend where workplaces are focusing on the work and family interface," notes Warren. "The foundation has been here for a long time, though not traditionally articulated in these terms. With the combination of individual and appropriate university responsibility, we can assure that our association with Cornell will be supportive of what has been identified as the hallmark of adult functioning--the capacity to love and to work. . . . It will take our imagination, our creativity, and our openness to the new paradigms of work and family to guide us through what others have called 'the permanent white waters of tomorrow's world.'"

Panelists, Resources, Planners

Panelists:

Carol Babcock, International Agriculture
Debbi Barley, Office of University Registrar;
Holly Cary, Office of Human Resources
Sandy Dennis-Conlon, Office of Human Resources
Deborah Fisher, Program on Employment and Disabilities
Janice Slattery, Maintenance and Service Operations
Regina Wharton, Office of Human Resources

Resource people:

The Reverend Afi Binta-Lloyd, jobs coordinator, Displaced Homemakers Center of Tompkins County, 272-1520
Alice H. Cook, professor emerita, New York State School of Industrial and Labor Relations, and a member of the Advisory Committee on the Status of Women.
Care of: Carolyn McPherson, coordinator of women services, Office of Equal Opportunity, 5-3976
Carolyn Croke, aging services specialist, Caregivers Resource Center, Tompkins County Office for the Aging, 277-0148
Margaret F. Dill, executive director, Day Care and Child Development Council of Tompkins County, 273-0259 (Voice and TDD/TTY)
Theresa Rapacki, training associate, Office of Human Resources, Cornell, 255-7170
Pam Strausser, labor relations specialist, New York State School of Industrial and Labor Relations

Planners:

Ileen DeVault
Jennie Farley
Deborah Fisher
Rahat Idrees
Donna Levengood
Deb McKane
Cathy Mooney
Claudia Strednak



Doug Hicks

National Employee Health & Fitness Day

May 13th

4th Annual Prediction Run/Walk

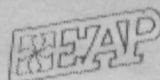
Helen Newman Hall
Race starts - 5:15 pm
Registration begins 4:15 pm

Sponsored by:

The Cornell Wellness Program,
Fontanas, Plums, and J. Gould's

Day care will be provided at the event.

For more information call the Wellness Program at 255-3886



Special Upcoming EAP Education Program

"Dilemmas about Alcohol and Drugs in the Workplace"-- Thursday, May 14, 9-11:00 a.m.

This program will provide an overview of alcohol and drugs and their effects in the workplace. A description of the substances, the physiological and psychological impact of drug usage, and how employees behave when they are under the influence will be discussed. Options will be presented for handling situations involving the usage of alcohol and drugs. (No charge to department) Instructors: L. Moon, L. Starr. To register, call Staff Relations and Development, 255-7170.

Summer Programs for Children and Teenagers

A directory of camps and other summer programs for children and teenagers is published each year by the Tompkins County Youth Bureau. This year the 1992 Summer Program Guide will be printed as a pull-out section of the April 29 issue of the Grapevine, which is available at convenient locations throughout Tompkins County. If you cannot get a copy from the pick-up locations, please call the Tompkins County Youth Bureau at 274-5310.



Select Benefits Claims Schedule 1992

Reminder: The cut-off dates for remitting claims for reimbursement under the Select Benefits program are listed below. Your claim form with supporting information must be received by either the endowed or statutory benefits office no later than the dates shown below. Reimbursement will be delayed until the next two-week cycle is completed if materials are not in our office by the cut-off date.

5/08	7/02	*8/27	10/23	*12/17
*5/21	7/17	9/11	11/06	
6/05	7/31	9/25	*11/19	
6/19	8/14	10/09	12/04	

*Early deadlines due to Memorial Day, Labor Day, Thanksgiving and winter holidays.

Deadlines for CCTS Applications

Employees who are now receiving the Cornell Children's Tuition Scholarship (CCTS) will automatically receive an application for the new academic year 1992-93. All other employees who need to apply for CCTS should request an application from the Employee Benefits Office, 130 Day Hall, or call Maureen Brull at 255-7509.

The deadlines for submission of applications are as follows:

Summer Session - May 1, 1992
Academic Year 1992-93 - June 1, 1992
Fall Term Only - June 1, 1992
Winter-Spring Term Only - December 1, 1992

To assist you in the process of applying for the CCTS benefit, the Employee Benefits section of OHR will sponsor an information session on **Thursday, April 2, 1992, from 3:00 p.m. to 4:30 p.m. in 163 Day Hall.** This session will provide relevant information about the program as well as an opportunity for questions and answers. A representative from the Financial Aid Office will also be present to discuss applying for TAP awards.

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 resumé and cover letter, specifying the job title, department and job number, are 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 equal-opportunity, affirmative-action educator and employer.
- Job Opportunities can be found on CUINFO

Professional

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

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

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

Senior Mechanical Engineer (PA1501) HRIII NAIC-Endowed
Posting Date: 4/16/92

Provide direct engineering aid and assistance to the upgrading project manager in design and management of mechanical systems and related projects for the upgrading of the Arecibo observatory.

Requirements: Bachelors degree in mechanical engineering or equivalent field. 7-10 yrs. management experience as project engineer with collateral experience in the integration of structural, electrical and mechanical and systems control engineering. Send cover letter and resume to Cynthia Smithbower.

Training Officer (PT1503) Level 33
School of Hotel Administration-Endowed
Posting Date: 4/16/92

Provide training and consultation for computing to students, staff and faculty of the school and the Statler Hotel and Conference Center. Assist in planning and administering the overall training program. Prepare and maintain manuals and documentation for commonly used software.

Requirements: AAS degree or equivalent, BS preferred. 2-4 yrs. teaching experience. Expertise in both IBM and Mac systems. Ability to learn new applications software quickly. Proven record of strong interpersonal and communications skills. Must have a demonstrated service attitude. Send cover letter and resume to Sam Weeks.

Applications Programmer/Analyst II (PT1509) Lvl 33
School of Continuing Education and Summer Sessions-Endowed
Posting Date: 4/16/92

Develop and maintain application programs for database management on a Novell LAN. Integrate applications with word processing and report writing packages. Assist with maintenance and support of operating systems (OS/2, DOS, Netware, MAC), e-mail, communications software, compilers, and utility programs. Assist with management of LANs, hardware, and software.

Requirements: Bachelors degree or equivalent preferred. In depth knowledge of personal computers (MAC and IBM) and LANs. 2-3 yrs. proven experience in structured computer programming on Intel based machines using Clipper or C. Good writing, oral, and interpersonal skills. Ability to work independently. Must have own vehicle and able to lift 50 lbs. Send cover letter and resume to Sam Weeks.

Technical Consultant II (PT1402) Level 33
Hotel Administration-Endowed
Posting Date: 2/9/92

Provide technical assistance and general support of hardware and software platforms for the Hotel School faculty, staff and students on PC's and workstations. Plan, develop and implement workstation technologies throughout the school and hotel. Assist users calling the department's help desk. Assist faculty seeking "Courseware" and related classroom technologies. Identify appropriate strategic platforms that can be effective productivity tools. Insure adequate preventive maintenance is performed. Assist in selection of technical staff.

Requirements: Bachelors degree or equivalent in computer science. 2-3 yrs. of practical experience with workstation technology. Familiarity with various network operating systems desired. Send cover letter and resume to Sam Weeks.

Computer Operations Coordinator I (PT1502) Lvl 32
School of Hotel Administration
Posting Date: 4/16/92

Provide technical support and assist in administering the operation of the school's computers. Provide user

support and respond to emergency service calls. Help coordinate the efforts of the information technologies group. Develop and maintain backup and disaster recovery procedures and insure adequate preventive maintenance is performed. Assist in the design and operation of a database for hardware/software issues. **Requirements:** AAS degree or equivalent in data processing. BS preferred. 2 yrs. practical experience working with operations. Familiarity with various communications protocols desirable. Send cover letter and resume to Sam Weeks.

Statistical Consultant (PT0405) HRIII
Human Ecology Administration-Statutory
Posting Date: 4/16/92

Assist the Director of Computing and statistical consulting in providing statistical support and consulting for faculty and grad students in Human Ecology and Nutritional Sciences. Assist with grad student instruction and training. Test and develop statistical software.

Requirements: B.S. in biometry or statistics (or equivalent) with research experience, MS preferred. Understanding of basic and advanced statistical methods and research design. Knowledge of computer operating systems or programming on mainframes and microcomputers. Strong service orientation and good oral and written communication skills. End cover letter and resume to Sam Weeks.

Head, Information Technology Section (PT1203) HRIII
Albert R. Mann Library-Statutory
Posting Date: 3/26/92

Manage the systems development and technical support group for an innovative science library, active in information systems research. Supervise six technical professionals and manage complex system development projects. Oversee a \$750,000 budget and initiate and coordinate technical aspects of grant-funded projects. Work to further the innovative applications of emerging information technologies in the management of scholarly information.

Requirements: Bachelors degree or equivalent required. Masters in computer, library, or information science, or related field desirable. Formal course work in computer science desirable. 7 yrs. relevant experience including programming, systems analysis, systems management, network administration, or technical management. At least 2 yrs. of technical management experience, knowledge of microcomputers, LANs, modern programming environments and techniques, and UNIX systems desirable. Send cover letter and resume to Sam Weeks.

Equipment Procurement and Distribution Coordinator (PA1602) HRI
Vet Administration-Statutory
Posting Date: 4/23/92

Responsible for coordinating all equipment purchases for the new Vet Education Center, Medical Center, and Secondary Teaching Center. Arrange for the movement of new and existing equipment and furnishings into new facilities. Term to 6/30/95 with possible extension.

Requirements: Associates degree. 1-2 yrs. related experience. Combination of education and experience which has led to the development of skills in materials management. Experience supporting academic programs; demonstrated supervisory skills; knowledge of Cornell accounting/budgeting systems and procedures; excellent interpersonal and strong oral and written communication skills; proven ability to develop and apply computer databases and spreadsheets; high services orientation; high energy. Send cover letter and resume to Cynthia Smithbower.

Research Support Specialist (PT1609) HRI
Clinical Sciences-Statutory
Posting Date: 4/23/92

Provide technical support for the woodchuck hepatitis project through investigation of chemical carcinogenesis and development of techniques for histochemical and immunochemical localization of tissue lesions. Maintain computerized tissue inventory of all frozen and formalin fixed tissues.

Requirements: Bachelors degree or equivalent in biology with concentration in physiology, histology, pathology or similar field, MS preferred. 2-3 yrs. experience in all phases of work in histology lab. Experience with cryostat and electron microscopy. Experience in handling, restraint, bleeding, euthanasia of lab animals. Pre-employment physical required. Send cover letter and resume to Sam Weeks.

Research Support Specialist II (PT1606) HRI
Division of Nutritional Sciences/CFNPP-Statutory
Posting Date: 4/23/92

Clean, manage, document and analyze a very large household survey data set from eastern Africa. Perform statistical analysis of subsections and the data set using DBase and SPSS. Provide detailed documentation of the cleaning procedures, higher generation data files and statistical analysis.

Requirements: BS degree in nutrition or equivalent. 2-3 yrs. related experience with maternal and child nutritional problems in developing countries strongly preferred. Demonstrated knowledge of basic statistics and ability to comprehend and apply more advanced statistics essential. Experience with management and analysis of large complex data sets using a variety of appropriate software packages and techniques required. Familiarity with nuances of household surveys especially in Africa preferred. Demonstrated ability for self-direction and careful attention to detail. Send cover letter and resume to Sam Weeks.

Science Writer (PC1004) HRI
Theory Center-Endowed
Posting Date: 4/23/92 Repost

Under general direction of the Director of Corporate and External Relations, develop and prepare written information of a technical or complex nature about the Theory Center and technological and scientific progress by users of Center resources for dissemination to its internal and/or external public.

Requirements: Bachelors degree in a scientific field with related scientific writing experience is essential. 3-4 yrs. related writing experience is necessary. Knowledge of Macintosh software. Familiarity with computing terms highly desirable. Demonstrated ability to communicate technical/scientific concepts into layperson's terminology. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Payroll Coordinator (PC8808) HRI
Payroll-Statutory
Posting Date: 4/16/92

Supervise the Payroll office receptionist/customer service function and coordinate payroll deduction activities. Responsible for payroll processing, training and maintaining references documents. Requires direct contact with University employees and outside agencies. Provides assistance to Director and Assistant Director.

Requirements: Bachelor degree or equivalent in payroll/accounting. 2-3 yrs. related experience. Excellent communication and interpersonal skills. Adept in dealing with problem situations and with highly confidential materials. Strong organizational skills. Computer systems/personal computer oriented. Excellent attitude toward service. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Payroll Coordinator (PC8808) HRI
Payroll-Statutory
Posting Date: 4/23/92 Repost

Supervise the Payroll Office receptionist/customer service function and coordinate payroll deduction activities. Responsible for payroll processing, training and maintaining reference documents. Requires direct contact with University employees and outside agencies. Provides assistance to Director and Assistant Director.

Requirements: Bachelors degree or equivalent in payroll/accounting. 2-3 yrs. related experience. Excellent communication and interpersonal skills. Adept in dealing with problem situations and with highly confidential materials. Strong organizational skills. Computer systems/personal computer oriented. Excellent attitude toward service. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Assistant Director (PA1601) HRI
Arts and Sciences Admissions-Endowed
Posting Date: 4/23/92

Recruit applicants from assigned geographic areas and chairs the selection committee for those regions. Plays an important role in the recruitment, selection, and advising of students of color for the college. Responsible for on-campus recruiting and undergraduate advising.

Requirements: Liberal Arts MA required; a Ph.D. and fluency in Spanish are preferred. A minimum of 3 yrs. experience in admissions, teaching or related areas. Background in market research, admissions travel,

recruitment and selection, and academic advising of students of color is particularly desirable. Excellent interpersonal skills, communication and organizational skills. Should demonstrate commitment to the philosophy of a liberal arts education. Send cover letter and resume to Cynthia Smithbower.

Research Support Specialist II (PT1506) HRI
Soil, Crop and Atmospheric Sciences-Endowed
Posting Date: 4/16/92

Work with interdisciplinary team of researchers modeling the impact of climate change on crop production in US. Organize output files, analyze statistical and other data. Gather, prepare and input information regarding US soils and cropping systems into crop simulation models. Prepare data for input into appropriate fields. Perform some computer programming.

Requirements: MS or BS degree or equivalent with some experience in computer programming and some background in agriculture, geography, natural resources, economics or related fields. familiarity with PC's, data processing and some programming experience highly desirable. Send cover letter and resume to Sam Weeks.

Research Support Aide (PC1303) HRI
Soil, Crop and Atmospheric Sciences-Statutory
Posting Date: 4/2/92

Assist with data compilation and analysis, writing and production of monthly climate publications. Answer telephone and written requests for climate data/information and assist with research projects.

Requirements: B.S. degree in Meteorology/Climatology required. 2-3 yrs. related experience. Excellent communication (oral and written) skills. Familiarity with the use of the Macintosh computer for word processing and other applications is essential. Experience with mini or mainframe computer systems is desirable. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Science Writer (PC1004) HRI
Theory Center-Endowed
Posting Date: 3/12/92

Under general direction of the Director of Corporate and External Relations, develop and prepare written information of a technical or complex nature about the Theory Center and technological and scientific progress by users of Center resources for dissemination to its internal and/or external public.

Requirements: Bachelor's degree in a scientific field with related scientific writing experience is essential. 3-4 yrs. related writing experience is necessary. Knowledge of Macintosh software. Familiarity with computing terms highly desirable. Demonstrated ability to communicate technical/scientific concepts into layperson's terminology. Send cover letter, resume, and three writing samples to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Professional Off-Campus

Research Support Specialist II (PT1610)
Entomology-Statutory
Posting Date: 4/23/92

Assist in providing fruit arthropod control recommendations. Diagnose and monitor fruit pests. Manage temporary employees. Help prepare extension literature. Assist in design, execution, analysis, and publication of Lab and field research. Assist in maintaining fruit orchards and in applying chemical treatments.

Requirements: B.S. or equivalent in entomology, plant protection, or related curriculum; M.S. preferred. 2-3yrs. research/field experience in related area. Skills in farm equipment operation, computer use, and lab techniques preferred. Must have interest in extension activities and applied research in pest management. Managerial, organizational, and communication skills. Must have valid NYS drivers license. Send cover letter and resume to Sam Weeks.

Professional Temporary

Staff Assistant: Communications Program
Cornell Plantations
Part-time Temporary

Posting Date: 4/16/92

Support publications and interpretive programs for Cornell Plantations. Expedite completion of layout and production of visitor and public relations pieces. Work closely with manager in providing services for other programs. Six month part time position working at least 20 hrs. per week.

Requirements: Experience using the Macintosh for desktop publishing with Pagemaker and Microsoft Word. Attention to detail. Flexibility and ability to work in several projects at once. Salary commensurate with experience. Send cover letter and resume to Karen Raponi, Staffing Services, EHP #2.

Ithaca Community Childcare Center**Part-Time Office Assistant**

Ithaca Community Childcare Center
579 Warren Road (just north of BOCES)

Provide general office support to a large childcare facility. 12-15 hrs/wk., 3:00 to 5:30pm. Initially working Wednesday and Friday afternoons only until end of semester. Then Monday through Friday during the summer. \$5-6/hr.

Requirements: Knowledge of general office procedures. Mac computer experience. Basic typing skills (40wpm). Office experience preferred. Fill out an application at the Center or send resume to Ithaca Community Childcare Center, Attn: W. Fonder, 579 Warren Road, Ithaca, NY 14850. No phone calls please.

Boyce Thompson Institute**Postdoctoral Research Associate**

Plant Protection/Boyce Thompson Institute
Posting Date: 4/23/92

Molecular biology and protein biochemistry of the virulence genes and proteins responsible for baculovirus pathogenesis.

Requirements: Ph.D. in Molecular Biology, Biochemistry, Entomology or related field. Experience with protein biochemistry and/or recombinant DNA techniques desirable, but not required. \$20,000-23,000/year commensurate with experience. Two year appointment. Send cover letter, list of publications and names of three references to: Dr. Robert R. Granados, Director, Plant Protection Program, Boyce Thompson Institute for Plant Research, Tower Road, Cornell University, Ithaca, NY 14853-1801, (607) 254-1265.

Research Assistant, Part Time, 20 hrs./week**Environmental Biology Program**

Department: Boyce Thompson Institute for Plant, Tower Road

Posting Date: 4/23/92

Salary: \$6,600-\$8,750 p/year, commensurate with experience

National assessment of impact of ozone on forests. Work with a team of ecological modelers to develop input parameter sets for application of models to a wide variety of new species. Conduct literature searches to collect information needed for model parameterization. Test and apply computer models, conducting computer simulations of tree response to ozone exposure.

Requirements: Ability to use computers. Good library research skills and familiarity with biological concepts. Knowledge of plant physiology, forest ecology, soil chemistry, or simulation modeling preferred. Organizational and communication skills essential. Contact Anne Zientek, 254-1239.

Research Assistant**Environmental Biology Program**

Boyce Thompson Institute for Plant, Tower Road
Salary: \$13,100-\$17,500/year, commensurate with experience

Posting Date: 4/23/92

Duties will be divided between two projects: Forest regeneration project, 60%. Compile and format various data sets on understory vegetation. With help from other scientists, produce regression equations predicting the density and type of understory vegetation over time following silvicultural treatment. Assist with ecological models, 40%. Test and apply computer models being developed by our team of ecological modelers. Run other models for comparisons. Current models concern decomposition of soil organic matter, soil chemical processes, plant physiology, and nutrient uptake.

Requirements: Ability to use computers for long periods. Familiarity with SAS, statistics, & computer graphics or knowledge of forest ecology, soil chemistry, or simulation modeling. Organizational and communication skills essential. Contact Anne Zientek, 254-1239.

Research Specialist

Plant Protection/Boyce Thompson Institute for Plant Research

Posting Date: 4/16/92

Will conduct and support research in molecular entomology lab. General laboratory duties will include insect rearing and insect bioassays. Research projects in biological control of insects will require experience in isolation and analysis of proteins and/or nucleic acids and routine recombinant DNA techniques. Additional training will be provided.

Requirements: M.S. or B.S. in biology with 3-5 yrs. experience in biochemistry/molecular biology or related fields. Contact: Anne Zientek, 254-1239.

Technical

As a prominent research institution, Cornell has a diverse need for laboratory, electro/mechanical and computer support. Individuals with backgrounds in computer science, biology, microbiology, chemistry, animal husbandry, plant science and medical laboratory techniques are encouraged to apply; applicants with ASCP or AHT licenses are in particular demand. All external candidates must have a completed signed employment application on file with Staffing before they can be interviewed for a position. Send a cover letter and resume for each position, specifying the job title, department and job number, to Sam Weeks, 160 Day Hall. Skill assessment check lists, available at the Day Hall office, are a valuable aid when applying for computer or laboratory related positions.

Animal Technician GR18 (T1604)**Laboratory Animal Services-Statutory**

Minimum Biweekly Salary: \$542.89

Posting Date: 4/23/92

Care, feed, water, clean and monitor research animals. Follow strict protocols for sterile or disease control environments and regulations for animal welfare. Maintain animal records. Assist vets in treating & vaccinating animals. Weekends & holidays coverage required.

Requirements: Associates degree or equivalent in Animal Science required. Assistant certification helpful. Minimum 1 yr. related experience required. 1yr. animal experience. Ability to lift 50lbs. Must successfully pass a pre-employment physical and all necessary immunization. Drivers license. Send cover letter and resume to Sam Weeks.

Technician GR18 (T1505)**Food Science-Statutory**

Minimum Biweekly Salary: \$542.89

Posting Date: 4/16/92

Conduct analytical tests on dairy products to provide support for research projects. Test procedures include: Kjeldahl nitrogen, total solids, salt, fat, & others. Assist in cheese making. Enter data in computer, clean glassware, and help with other laboratory related activities.

Requirements: Associates degree or equivalent in dairy technology or food science. Course and laboratory class training in routine dairy product analyses (Kjeldahl, Mojonner, Babcock.) Minimum 1 yr. related experience. Send cov letter & resume to Sam Weeks.

Technician GR18 (T1105)**Nutritional Sciences- Statutory**

Minimum Biweekly Salary: \$542.89

Posting Date: 3/19/92

Conduct behavioral experiments with rats involving the biology of cognitive processes. Operate and maintain a computer controlled, automated testing apparatus. Perform data entry and computerize statistical analysis. Supervise and train undergrads in research. **Requirements:** AAS degree preferably with research experience. BS degree desired. Experience with computers for data analysis preferable. Background in biopsychology and knowledge of statistics desirable. Excellent communication, organizational and interpersonal skills. Ability to work independently, to prioritize work, to work under pressure, and to meet deadlines. Accuracy a must. Send cover letter and resume to Sam Weeks.

Technician GR19 (T1510)**Vet Physiology-Statutory**

Minimum Biweekly Salary: \$566.28

Posting Date: 4/16/92

Provide technical assistance in general biochemical lab techniques, light and electron microscopy, and experimental procedures. Prepare reagents. Operate electronic balances, ph and ion selective meters, spectrophotometers, and centrifuges. Perform cellular and sub-cellular and sub-cellular fractionation; ion exchange; gel filtration and affinity chromatography; protein assays; and spectrophotometric assays for enzyme activity. Maintain instrumentation. Assist in specimen preparation for electron microscopy. Perform photographic procedures. Maintain marine and fresh water aquaria. Assist in training postdocs, students, staff and visiting researchers.

Requirements: AAS degree or equivalent in a biological or physical science, BS preferred. 1-3 yrs. relevant lab experience in cell biology or biochemistry. Spreadsheet and database computer experience. Valid NYS drivers license. Send cover letter and resume to Sam Weeks.

Technician GR19 (T1106)**Veterinary Pathology-Statutory**

Minimum Biweekly Salary: \$566.28

Posting Date: 3/19/92

Provide technical assistance in carrying out various experiments using molecular, biochemical and cell biological methods. Perform routine tissue cultures including preparation of media and solutions. Prepare and monitor stock solutions and reagents. Participate in routine operation and maintenance of the lab.

Requirements: BS degree or equivalent in biology, biochemistry, chemistry or related field preferred. AAS degree or equivalent required. Lab experience desired but not essential, on the job training will be provided. Send cover letter and resume to Sam Weeks.

Technician GR20 (T1401)**Clinical Sciences-Statutory**

Minimum Biweekly Salary: \$590.45

Posting Date: 4/9/92

Provide technical support for researchers in immunological laboratory. Prepare tissue culture and bacteriological media, buffers and other precisely formulated reagents. Familiarity with handling techniques for cows and common laboratory animals to the extent that milk and blood samples can be obtained.

Requirements: B.S. in biology or equivalent experience in microbiological techniques. 1-2 yrs. experience including handling laboratory animals and knowledge of laboratory procedures. Pre-employment physical required. Send cover letter and resume to Sam Weeks.

Technician GR20 (T1403)**Biochemistry, Molecular and Cell Biology-Statutory**

Minimum Biweekly Salary: \$590.45

Posting Date: 4/9/92

Provide technical assistance doing molecular and cell biology research in a basic cancer research lab. Manage all lab operations including staff and expenditures. Perform research involving recombinant DNA, protein biochemistry and cell culture techniques. Maintain computerized databases. Variable hours.

Requirements: Bachelors degree or equivalent in biochemistry, molecular biology, chemistry or related field. 1-2 yrs. research experience in molecular biology and cell culture. Familiarity with personal computers. Must pass radiation safety course (training provided). Send cover letter and resume to Sam Weeks.

Animal Health Technician GR20 (T9003)**Veterinary Medical Teaching Hospital-Statutory**

Minimum Biweekly Salary: \$590.45

Posting Date: 11/7/91

Provide technical support for the Community Practice Service within the Small Animal Clinic. Provide emergency care and routine care including medications, grooming, bathing, and cage cleaning when necessary. Maintain supplies and equipment. Educate clients while admitting patients, taking histories, discharging patients, and explaining techniques for outpatient treatment. Supervise animal health technician externs. Assist in paper work. Assist and train veterinary students.

Requirements: AAS degree in veterinary technology with AHT NYS licensure (or eligible). 1-2 yrs. experience in clinical environment. Work with small animals preferred. Send cover letter & resume to Sam Weeks.

Technician GR21 (T1607)**Vet Pathology-Endowed**

Minimum Biweekly Salary: \$615.42

Posting Date: 4/23/92

Prepare high quality microscope slides for both diagnostic and research purposes. Perform routine embedding, sectioning and staining of animal tissue. Perform large volume of special staining procedures on rotating basis. Assist in development of contemporary histopathology procedures within the laboratory.

Requirements: BS or equivalent required with experience and coursework in histopathological techniques. HT(ASCP) certification or eligibility highly desired. 1-2 yrs. experience as histology technician in a hospital or research laboratory desired. Experience in variety of special staining techniques and immunohistochemistry desired. Send cover letter and resume to Sam Weeks.

Computer Operator GR21 (T8703)**Dining Services-Endowed**

Minimum Biweekly Salary: \$615.42

Posting Date: 4/16/92

Acquire a basic working knowledge of the various functions of the Dining units computer system. Assist the systems manager in systems related operations. Issue accurate and timely reports. Monitor and maintain equipment. Schedule repairs. Perform file saves and disk backups. provide basic technical support to staff. Create spreadsheets. Audit system output for accuracy and make corrections when necessary. Maintain supplies.

Requirements: AAS degree or equivalent with related computer coursework. Minimum 6-12 months related experience. Basic computer operator skills supporting computer systems and equipment including mini/microcomputers, JCL, card readers, printers, modems, and telecommunication lines. Knowledge of DOS 3.3 (and higher), WordPerfect, Lotus and Foxbase+ preferable. Knowledge of IBM compatible PC hardware desirable. Strong communication and interpersonal skills. Ability to lift 45 pounds. Send cover letter and resume to Sam Weeks.

Technician GR21 (T1608)**Quality Milk Promotion Services-Statutory**

Minimum Biweekly Salary: \$615.42

Posting Date: 4/23/92

Provide technical lab support for a quality milk and mastitis control program. Collect and culture milk samples for isolation of mastitis causing organisms. Perform microscopic examinations of stained films or wet preparations. Identify mastitis organisms. Perform antibiotic sensitivity tests. Follow protocols for research projects. Keep accurate records. Teach lab methods to veterinary students and technicians. Maintain lab orderliness.

Requirements: BS degree or equivalent in microbiology with and excellent knowledge of microbiology lab procedures. 1-2 yrs. previous experience in diagnostic microbiology desired. Good interpersonal skills. Send cover letter and resume to Sam Weeks.

Technician GR22 (T1501)**Plant Pathology-Statutory**

Minimum Biweekly Salary: \$641.92

Posting Date: 4/16/92

Provide technical assistance and manage a cytology lab. Operate and train others to use light microscopes. Prepare solutions, media and specimens. Design, conduct and supervise molecular biology experiments and analyze data.

Requirements: BS degree or equivalent in biological sciences with 2 or more courses in molecular biology. 3-4 yrs. related lab experience. 2 lab courses in molecular biology or 6-123 months of molecular biology research. Working knowledge of statistics and computers. Ability to work with refined lab equipment. Training experience desired. Send cover letter and resume to Sam Weeks.

CHESS Operator GR24 (T1603)**CHESS-Endowed**

Minimum Biweekly Salary: 4/23/92

Posting Date: 4/23/92

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. Assist in building new equipment. May assist in experimental programs. Some nights and weekends.

Requirements: Bachelors or equivalent in technical field such as engineering physics. Experience not needed. Good mechanical and laboratory skills. Programming experience preferred. Send cover letter and resume to Sam Weeks.

Technical Part-time**Technician GR20 (T1602)****Equine Drug Testing-Statutory**

Minimum Biweekly Salary: \$590.45

Posting Date: 4/23/92

Perform analysis of blood and urine samples in a field drug testing laboratory to serve Saratoga Raceway. Assist laboratory director as required. Weekend and holiday hours.

Requirements: B.S. degree or equivalent experience required. 1-2 yrs. experience with thin layer chromatography and general laboratory procedures. Familiar with HPLC. Send cover letter and resume to Sam Weeks.

Technician GR20 (T1605)**Equine Drug Testing -Endowed**

Minimum Biweekly Salary: \$590.45

Posting Date: 4/23/92

Perform analysis of blood and urine samples in a field drug testing laboratory to serve Vernon Downs Raceway. Assist laboratory director as required. Weekend and holiday hours.

Requirement: Bachelors degree or equivalent experience required. 1-2 yrs. experience with thin layer chromatography and general laboratory procedures. Familiar with HPLC. Send cover letter and resume to Sam Weeks.

Temporary Technician (T1601)**Animal Science**

Posting Date: 4/23/92

Perform basic analytical work for nutrition studies, such as proximate analysis. Measure minerals in biological specimens. Use bomb calorimeter spectrophotometer, atomic absorption, and other analytical instruments. Assist in milling experimental feeds and setting up poultry experiments.

Requirements: Associates degree in chemistry or animal science. 1-2 yrs. experience conducting chemical analyses for nutrition studies. Experience working with common nutritional lab analytical instruments. Able to lift 60-80 pounds. Send cover letter and resume to Sam Weeks.

Technical Temporary Off Campus**Temporary Service Technician (T1103)****Entomology-Statutory**

Hiring Rate: \$7.00

Posting Date: 3/19/92

In Orange and Ulster Counties (Tuesday-Thursday): Develop and conduct surveys on pesticide use in the non-agricultural sectors. Develop educational programs on how to interview and survey work for 4-H members. On the Cornell Campus (Monday and Friday): Summarize and interpret data. Assist in preparation of reports.

Requirements: Training and experience in data handling and computers desirable. Ability to interact well with Cornell faculty and staff, cooperative extension personnel and high school students. Valid NYS driver's license. Public speaking experience desirable. Send cover letter and resume to Sam Weeks.

Office Professionals

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

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

Submit a signed employment application and resume which will remain active for a period of four months. During this time, you will be considered for any appropriate openings for which you are competitively qualified. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our EHP office. If you are currently available for employment, you may want to consider temporary opportunities at the University. Please contact Karen Raponi at 255-2192 for details.

Office Assistant/Telecommunicator GR18 (C1603)**Transportation Services-Endowed**

Minimum Biweekly Salary: \$542.89

Posting Date: 4/23/92

Accurately transmit information concerning parking and the transportation program to the university and general community. Provide office support for the various aspects of the Traffic Bureau operation.

Requirements: High School diploma or equivalent. Some college coursework preferred. 1-2 yrs. general office experience. Excellent communication oral and listening skills. Computer experience desirable. Regular Cornell employees only. Send employees transfer application, cover letter, resume to Esther Smith, Staffing Services, EHP #2.

Receptionist, Large Animal Clinic GR18 (C1606)**Veterinary Medicine Teaching Hospital-Statutory**

Minimum Biweekly Salary: \$542.89

Posting Date: 4/23/92

Receptionist for the Large Animal Front Office duties: gathering client information, telephone communications, interacting with clients for deposits, payment policy, type, file, computer input, admissions, discharges and cashing. Mon-Saturday, 39hours/week. **Requirements:** HS diploma or equivalent required. Some college coursework preferred. Medical terminology and computer experience essential experience with Word Perfect word processing helpful. Experience with large animals helpful. Good public relations and telephone skills. Med. typing. Send cover ltr & resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Office Assistant GR18 (C1611)**Agricultural and Biological Engineering-Statutory**

Minimum Biweekly Salary: \$542.89

Posting Date: 4/23/92

Provide secretarial and administrative support to the Cornell Local Roads Program staff. Register workshop participants, perform routine accounting tasks, distribute publications, type correspondence, answer telephones, and respond to inquiries. Travel four to six times annually for three to four days per trip.

Requirements: HS diploma or equivalent required. Some college coursework desirable. Valid NYS drivers license. Advanced proficiency in WordPerfect 5.0 or 5.1 necessary. Knowledge of Dbase III inquiry, Lotus, and Harvard graphics desirable. Minimum 1 yr. general office experience necessary. Desire to work in a service oriented position with daily public contact helpful. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Travel Coordinator GR19 (C1504)**Travel Office-Endowed**

Minimum Biweekly Salary: \$566.28

Posting Date: 4/16/92

Provide management, faculty, staff and guests of Cornell, on university business or related business, the most economical international and domestic travel plans. Reserving and ticketing airline, train, car and hotel accommodations.

Requirements: High School diploma or equivalent. Commercial travel agent with 1-3 yrs. actual working experience with travel agency or airline. Must be proficient on American Airlines Sabre Computer Reservation System. Accuracy in domestic and international schedules, fares, rules, and ticketing essential. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Secretary GR19 (C1304)**Floriculture and Ornamental Horticulture-Statutory**

Minimum Biweekly Salary: \$566.28

Posting Date: 4/2/92

Serve as secretary for undergraduate instruction and the urban horticulture institute. Provide word processing support for 5 faculty and their support staff. Duties include preparation of classwork, manuscripts, proposals, research reports, correspondences and other related materials in support of teaching, research and extension functions.

Requirements: HS diploma or equivalent. Some college course work preferred. 1-2 yrs. secretarial experience. Knowledge of IBM PC or compatible and WordPerfect software required; database and spreadsheet software desired. Familiarity with network systems a big plus. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2; employees may enclose employment transfer application.

Inventory Control Clerk I GR19 (C1501)**CIT Sales-Endowed**

Minimum Biweekly Salary: \$566.28

Posting Date: 4/16/92

Track and monitor the CIT Sales resale inventory including serialized microcomputer equipment and peripherals, supplies and other items available for sale to departments and personal purchasers. Assist in the receiving, distribution and tracking of all sold items.

Requirements: High School diploma or equivalent. Some college coursework preferred. 2-3 yrs. experience in a computerized materials management function such as shipping and receiving. Excellent organizational and interpersonal skills. Attention to detail and accuracy. Valid NYS drivers license. Familiarity with microcomputer and office equipment. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Secretary GR19 (C1503)**School of Hotel Administration-Endowed**

Minimum Biweekly Salary: \$566.28

Posting Date: 4/16/92

Provide secretarial and clerical support for the director and the assistant director of Development, in the daily operation of the Development office in the School of Hotel Administration. The position reports to the Director of Development.

Requirements: High School diploma or equivalent certificate in Business Office Professionals preferred. Excellent communication, interpersonal and guest relations skills. Heavy typing and word processing skills. Experience with Macintosh computer required. Familiarity with Microsoft Word, Filemaker, Pagemaker desirable. Ability to move from one assignment to another with ease. Ability to respect and maintain confidentiality. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Research Aide GR20 (C1601)**CRSR-Endowed**

Minimum Biweekly Salary: \$590.45

Posting Date: 4/23/92

Provide support for research group in planetary science, including library research, typing technical MSS and government grant proposals; making complex travel arrangements; purchase orders, vouchers and reimbursements; handling sensitive and diverse telephone calls; provide backup in general clerical duties. **Requirements:** AAS degree. Bachelors degree or equivalent. Some Science background helpful. Word processing, accurate typing and good language skills required. Some technical typing experience helpful. Familiarity with Cornell library system and accounting useful. Able to handle wide range of projects under pressure. Excellent telephone technique. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Administrative Aide GR20 (C1505)
University Development-Endowed
Minimum Biweekly Salary: 4/16/92
Posting Date: 4/16/92

Type gift acknowledgement and all general correspondence; maintain master file of all correspondence; manage daily calendar for Deputy Director; make travel arrangements; photocopy, assemble and distribute reports assist with special projects in the program areas which report to the Deputy Director. Other duties as assigned.

Requirements: AAS degree or equivalent. 2-3 yrs. related experience. Strong typing skills. Knowledge of Apple Macintosh computer, including use of MS Word and Excel. Ability to proofread. Good organizational and interpersonal skills. Ability to deal with confidential material. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Copy Cataloger GR20 (C1305)
Albert R. Mann Library-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 4/2/92

Catalogs monographic publications, including electronic resources with library of congress and member library contributor copy or does original cataloging based on earlier editions. Maintains subject and authority records online; must exercise considerable judgement in applying cataloging standards. Responsible for a high degree of accuracy and control of details; work is usually not subject to review by others. **Requirements:** Associates degree plus 2-3 yrs. previous experience in a research library required. Additional related experience may be substituted for formal degree. Medium typing/data input. Ability to use microcomputer and some applications software. Strong organizational skills and ability to prioritize. Good interpersonal and communication skills. Some foreign language skills desirable. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Audio-Visual Aide GR20 (C1111)
Unions and Activities, Cornell Cinema-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 3/19/92

Train, supervise and schedule student projectionists, handle routine maintenance and equipment problems in 3 theaters; order all projection supplies; project films 2-4 nights per week. 11 month position, mostly nights and weekends.

Requirements: AAS or equivalent 1-2 yrs. related experience. Knowledge of operation and maintenance of professional motion picture and video equipment, in all formats, preferred. Experience at supervising and training students. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Administrative Aide GR21 (C1610)
Africana Studies and Research Center-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 4/23/92

Provide secretarial and administrative support to the Director and Administrative Manager. Responsible for department and grant account maintenance. Prepare and maintain student appointment files. Monitor and coordinate faculty searches. Backup to Administrative Manager.

Requirements: Associates degree or equivalent required. 2-3 yrs. secretarial and Cornell accounting experience. Experience with Macintosh computer. Working knowledge of Microsoft word and Excel software. Must be able to work under pressure and tight deadlines. Excellent communication and interpersonal skills. confidentiality a must. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Office Systems Specialist I GR21 (C1604)
Mathematics-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 4/23/92

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

Requirements: AAS or equivalent plus additional training or education in the areas of human resources management, accounting, supervisory training, and computers. Knowledge of computerized systems (LaTex, Emacs, networking). Leadership and training skills. Minimum 2-3 yrs. related experience in an academic environment. Highly developed technical typing skills. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Administrative Aide GR21 (C1502)
Information Technologies/IR-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 4/16/92

Provide administrative leadership and guidance in support of the division's mission including human resource, accounting and support activities. Assist, contribute and influence decisions on setting policies and procedures within CIT.

Requirements: Associates Degree or equivalent experience in Secretarial Sciences. 3-4 yrs. related experience preferably at Cornell or equivalent. Excellent command of Macintosh, and software programs including EXCEL, Filemaker, MicroSoft Word, etc. Excellent interpersonal, communication and supervisory skills. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Assistant Costume Shop Manager GR23 (C1406)
Theatre Arts-Endowed
Minimum Biweekly Salary: \$669.23
Posting Date: 4/9/92

Assist Costume Shop Manager in all phases of shop operations in constructing costumes for theatre productions. Purchase supplies & materials, monitor budgets & inventory; draft & drape patterns, construct costumes; assist with supervision of student personnel.

Requirements: BA in theatrical costuming. Theatrical costume construction, patterning skills, costume crafts-dyeing, millinery, tailoring, etc. Experience operating costume shop equipment. Budgeting and supervisory experience. Good interpersonal skills. Send cover letter and resume to Esther Smith, Staffing Services,

EHP #2. Employees should include employee transfer application.

Office Professionals Part-time

Senior Stacks Assistant GR18 (C1608)
Access Services/Annex Library-Endowed
Minimum Full-time Equivalent: \$542.89
Posting Date: 4/23/92

Assist the Annex Library Supervisor in managing the book, periodical and archival collections at the Annex Library (a collection of 422,380 volumes and more than 27,000 cubic feet of manuscript materials) and in providing public service. Oversee the operation of the Annex Library in the supervisors absence.

Requirements: High School diploma or equivalent required. Some college coursework and/or experience with academic libraries preferred. Good interpersonal and organizational skills. Able to lift and move up to 50lbs. Ability to work well with a variety of people in public services setting. Experience with microcomputers desirable. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Information Assistant GR18 (C1609)
Reference/Engineering Library-Endowed
Minimum Full-time Equivalent: \$542.89
Posting Date: 4/23/92

Responsible for assisting library patrons in locating information using traditional and computerized reference tools, such as the online catalog, RLIN, compact disk indexes, Internet resources, and print indexes. Review and verify interlibrary loan requests; perform online verification and fee based searches in Dialog; respond to requests from the Document Photocopy Service; assist with bibliographic, collections, or instruction projects. Monday, Tuesday, Wednesday, Friday, 1:00-6:00pm, Thursday, 1:00-10:30pm. Plus one additional hour per week.

Requirements: HS diploma or equivalent required. 1-2 yrs. related experience with the Research process; ability to work well under pressure; experience with microcomputers (both Macintosh and IBM) preferred; strong interpersonal, organizational and communications skills; experience in academic library preferable. Some college coursework preferred. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Administrative Aide GR19 (C1607)
Ctr. for Advanced Imaging Technology-Statutory
Minimum Full-time Equivalent: \$566.28
Posting Date: 4/23/92

Assist Director in the performance of administrative duties required for the smooth operation of the Center, including budgeting, accounting, payroll and secretarial support. Monday-Friday; hours to be arranged.

Requirements: High school diploma or equivalent required. Business and Office Administration or equivalent combination of education and experience. Some college coursework preferred. Knowledge of Statutory Accounting system. 1-2 yrs. previous office experience. Working knowledge of IBM PC ST/AT/386/PS-2, Wordperfect and Lotus 123, Data base management skills very desirable. Regular Cornell employees only. Send cover letter, resume and employee transfer application to Esther Smith, Staffing Services, EHP #2.

Senior Night Supervisor GR20 (C1605)
Circulation/Urns-Endowed
Minimum Full-time Equivalent: \$590.45
Posting Date: 4/23/92

Responsible for the Urns Library building during the evening hours. Supervise the work of staff and student assistants at the Circulation/Reserve and Security desks. Assist with hiring, scheduling, training, and evaluating student assistants. Must exercise considerable judgement and initiative in making decisions. 25 hrs/week, evenings and weekends.

Requirements: Associates or equivalent. 2-3 yrs. related experience. Dependability and punctuality are absolutely essential. Excellent interpersonal skills. Must be flexible to allow for changes in schedule. Ability to move books (10-20lbs) and push book carts (30-50lbs). Supervisory experience desirable. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Nursery School Teacher (C1204)
Unions and Activities/University Cooperative
Nurser School
Posting Date: 4/2/92

In charge of afternoon program of parent cooperative nursery school. Responsible for curriculum and teaching of class of 10 four and five year olds.

Requirements: Bachelors degree, experience required, previous coursework in early childhood education desirable. Experience teaching 3-5 yr. olds mandatory. Send cover letter and resume to Sally Reimer, University Cooperative Nursery School, Box 18, Robert Purcell Union.

Audio-Visual Aide GR20 (C1111)
Unions and Activities, Cornell Cinema-Endowed
Minimum Full-time Equivalent: \$590.45
Posting Date: 3/19/92

Train, supervise and schedule student projectionists, handle routine maintenance and equipment problems in 3 theaters; order all projection supplies; project films 2-4 nights per week. 11 month position, mostly nights and weekends.

Requirements: A.A.S. or equivalent 1-2 yrs. related experience. Knowledge of operation and maintenance of professional motion picture and video equipment, in all formats, preferred. Experience at supervising and training students. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Office Professionals Off-Campus

Administrative Aide GR20 (C1612)
Public Affairs Regional Office, Metro NY Reg. Off-Endowed

Minimum Biweekly Salary: \$590.45

Posting Date: 4/23/92

Provide secretarial and administrative support to the professional staff of the Metropolitan New York Regional Office. This support includes implementing of-

fice policies and procedures and carrying out duties related to financial operations.

Requirements: Associates degree or equivalent required. Minimum two years secretarial experience. Excellent communication skills. Experience with Macintosh computers a must. Able to work in a complex active environment. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfers.

Administrative Aide GR19 (C1507)
Cornell-in-Washington
Minimum Biweekly Salary: \$566.28
Posting Date: 4/16/92

Provide a full range of administrative/secretarial support for the Cornell-in-Washington Program, including academic and housing functions. Primarily maintaining academic and housing records, word processing, filing and clerical assistance. Monday-Friday 8:30-5:00pm, Washington DC.

Requirements: Associate degree or equivalent combination of education and experience. Previous related office experience; good language/communication skills required. Word processing (especially Macintosh) preferred. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

General Service

Submit a signed employment application which will remain active for a period of four months. During this time, you will be considered for any appropriate openings for which you are competitively qualified. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our EHP office. If you are currently available for employment, you may want to consider temporary opportunities at the University. Please contact Karen Raponi at 255-2192 for details.

Senior Instrument and Controls Mechanic/Operator (G1401)TO07
Utilities-Endowed
Posting Date: 4/9/92

Maintain, repair, and calibrate the state of the art Utility Plant instrument and computer control systems. Perform electronic, electrical, and mechanical trouble shooting and maintenance on utility plant equipment necessary to assure continued and efficient operation of plant functions.

Requirements: Associates degree in Electrical, Electronics or Electromechanical Technology, or equivalent, required. 3-5 yrs. related experience in utility plant electric and solid state electronic controls preferred. Control system operation and maintenance desirable. Experience with control computer systems and personal computers desirable. Demonstrated ability to troubleshoot equipment and system problems. Ability to learn new technologies required. Must maintain a valid New York State drivers license. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

Life Safety Specialist II GR22 (G1301)
Life Safety Services-Endowed
Minimum Biweekly Salary: \$641.92
Posting Date: 4/2/92

Respond to all on/off campus emergencies occurring in University structures. Basically work is unsupervised, and must exercise a high degree of self reliance, sound judgement, initiative and motivation. Shift work which includes weekends and holidays.

Requirements: Associates degree. Bachelors degree preferred. Minimum 3yrs. experience in campus setting. Mechanical aptitude. Valid NYS drivers license. Good (oral and written) communication skills. Working knowledge of fire suppression, rescue and fire prevention activities. 1st aid, CPR Certification. Must pass extensive background check, pre-hiring physical and annual physical. Must be acquainted with computer keyboard. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2. Employees should include employee transfer application.

General Service Temporary

Temporary Field Assistant (S1304)
Plant Breeding

Posting Date: 4/2/92

Work on alfalfa breeding project. Involves both greenhouse and field work: planting, cultivating, transplanting and harvesting alfalfa trials and experimental plots in the Ithaca area.

Requirements: Must have a NYS valid drivers license. High school education, able to lift 50 lbs. Must be able to operate farm tractor. Should know how to operate cultivators and harvest equipment. Must be dependable and able to follow directions. Please send application materials to Karen Raponi, Staffing Services, EHP #2.

General Service

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

Laboratory Attendant GR15 (B1603)
Plant Pathology (Geneva)-Statutory
Minimum Biweekly Salary: \$499.20
Posting Date: 4/23/92

Collect, clean, and deliver glassware to research laboratories and greenhouses daily. Operate and maintain glassware washing equipment and autoclaves. Order glassware and supplies needed to maintain the general supply of department glassware and other items. Perform routine cleaning and maintenance of work room and equipment. Make coffee for morning department coffee break. 6:00am-2:00pm Monday, Wednesday, Thursday, Friday, 6:00am-1:30pm Tuesday.

Requirements: High School diploma. Valid drivers license. Ability to organize and prioritize daily work schedule. Must be a careful, neat worker. Knowledge of operation and maintenance of glassware washing equipment and autoclaves desirable. Ability to order on a timely basis supplies and glassware needed to maintain general department stock. Send application materials to Cynthia Smithbower.

Groundsworker SO04 (B1601)
Grounds Department-Endowed
Hiring Rate: \$7.17
Posting Date: 4/23/92

Performs all general landscape maintenance and landscape construction tasks; may be assigned other groundsworkers, both regular and seasonal, to aid in carrying out assignments. Frequent nights and weekend work during winter season.

Requirements: High School diploma or GED equivalent required. Courses in agronomy, Horticulture or related fields desirable. 1-2 yrs. related experience. Pesticide applicators license desirable. Experience in commercial landscape maintenance, landscape construction and related equipment. Minor equipment repair experience desirable. Valid drivers license. Send application materials to Cynthia Smithbower.

Equipment Operator SO06 (B1602)
Grounds Division-Endowed
Hiring Rate: \$7.91
Posting Date: 4/23/92

Operates a wide variety of landscape maintenance equipment and motorized-wheeled vehicles to include commercial trucks and tractors to mow turf, plow snow and support other campus grounds activities; also provides labor using hand tools to perform other grounds keeping tasks as required. Monday-Thursday, 7:00am-3:00pm, Friday 7:00am-2:30pm.

Requirements: High School diploma or equivalent required. NYS Motor vehicle license class 5: class 3 preferred, class 1 desirable. NYS pesticide applicators license desired. Able to operate, adjust and perform operator-level maintenance on tractors, trucks, sewer rodding machines, air compressors and attachments, spraying equipment. Able to read plans, specifications, manuals, blueprints for landscapes. Send application materials to Cynthia Smithbower.

General Service Part-Time

Clinic Aide SO03 (B1501)
Veterinary Medical Teaching Hospital-Statutory
Hiring Rate: \$6.83
Posting Date: 4/16/92

Aseptic cleaning of areas of Small Animal care and treatment. Mopping, trash removal, general cleaning, stocking, vacuuming, removal of biohazardous waste. Monday-Saturday, 3:00am-7:00am, 24 hrs/week.

Requirements: High school education or equivalent. Experience with housekeeping/custodial services supplies and equipment. Must be able to work around small animals and in a teaching hospital setting. Send cover letter and resume to Cynthia Smithbower.

Academic

PA#13 Extension Associate
(Limited Resource Audience Programming)
One-Year position

Location: Cornell University, Ithaca, NY
 Work with the Human Ecology and 4-H Youth Development units to expand the Cornell Cooperative Extension response to programming with limited resource audiences. Engage faculty and staff in dialogue to identify a vision statement and then outline a program direction that integrates nutrition education, parenting education, resource management, and housing education. Work with faculty to develop proposals for funding, organize inservice education, and create appropriate resources to communicate with volunteers.

Minimum Qualifications: Master's degree in human ecology subject matter area or adult education. 4 yrs. of progressively responsible professional experience in working with limited resource audiences. Coursework in education, communications, community development, and program development desirable. Salary: Commensurate with qualifications. Send letter of intent, resume and transcripts to: Box 26, Kennedy Hall, Cornell University, Ithaca, NY 14853.

Postdoctoral Associate
Food Science

Posting Date: 4/16/92

A position is available in the food engineering group in the department of Food Science. The project involves conducting and engineering analysis of a Mozzarella mixer-cooker. Rheological, textural and chemical properties of Mozzarella are to be determined as a function of mixer-cooker conditions. The department of Food Science offers excellent facilities for the manufacture of Mozzarella and its analysis. Develop expertise in the above area, particularly rheology of viscoelastic materials, is desirable. Anticipated start date is June 1992 for a two year period of time.

Salary: Commensurate with candidates qualifications. For further information or to apply, please send resume or contact: Dr. Steven Mulvaney, Department of Food Science, Cornell University, Stocking Hall, Ithaca, NY 14853.

Postdoctoral Associate
Food Science

Posting Date: 4/16/92

A position is available as part of the extrusion research group in the Department of Food Science. Current research in the group involves development of a new process involving extrusion processing with supercritical fluids. Areas of research interest include two-phase flow phenomenon, process analysis and control and use of the extruder as a biochemical reactor. The individual should have developed expertise in one of the above areas. Anticipated starting date is May 1992 for at least a 1 yrs. period. Possibility exists for continued reappointment.

Salary: Commensurate with candidates qualifications. For further information or to apply, send resume or contact: Dr. Steven Mulvaney, Department of Food Science, Cornell University, Stocking Hall, Ithaca, NY 14853.

CORNELL Employment News

EDITOR: Nancy Doolittle

PAGE LAYOUT: Cheryl Seland

PHOTOGRAPHY: University Photography, Susan Boedicker

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It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, sexual orientation, age, or handicap. The university is committed to the maintenance of affirmative-action programs that will assure the continuation of such equality of opportunity. Sexual harassment is an act of discrimination and, as such, will not be tolerated. Inquiries concerning the application of Title IX may be referred to Cornell's Title IX coordinator (coordinator of women's services) at the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, NY 14853-2801 (Telephone: 607-255-3976).

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

SPECIAL JOB OPPORTUNITIES

MAY 1, 1992 UPDATE

Volume 4 Number 17 May 1, 1992

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 resumé and cover letter, specifying the job title, department and job number, are 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 equal-opportunity, affirmative-action educator and employer.
- Job Opportunities can be found on CUINFO

Professional

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

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

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

Senior Mechanical Engineer (PA1501) HRIII
NAIC-Endowed
Posting Date: 4/16/92

Provide direct engineering aid and assistance to the upgrading project manager in design and management of mechanical systems and related projects for the upgrading of the Arecibo observatory.

Requirements: Bachelors degree in mechanical engineering or equivalent field. 7-10 yrs. management experience as project engineer with collateral experience in the integration of structural, electrical and mechanical and systems control engineering. Send cover letter and resume to Cynthia Smithbower.

Training Officer (PT1503) Level 33
School of Hotel Administration-Endowed
Posting Date: 4/16/92

Provide training and consultation for computing to students, staff and faculty of the school and the Statler Hotel and Conference Center. Assist in planning and administering the overall training program. Prepare and maintain manuals and documentation for commonly used software.

Requirements: AAS degree or equivalent, BS preferred. 2-4 yrs. teaching experience. Expertise in both IBM and Mac systems. Ability to learn new applications software quickly. Proven record of strong interpersonal and communications skills. Must have a demonstrated service attitude. Send cover letter and resume to Sam Week.

Applications Programmer/Analyst II (PT1509) Level 33
School of Continuing Education and Summer Sessions-Endowed
Posting Date: 4/16/92

Develop and maintain application programs for database management on a Novell LAN. Integrate applications with word processing and report writing packages. Assist with maintenance and support of operating systems (OS/2, DOS, Netware, MAC), e-mail, communications software, compilers, and utility programs. Assist with management of LANs, hardware, and software.

Requirements: Bachelors degree or equivalent preferred. In depth knowledge of personal computers (MAC and IBM) and LANs. 2-3 yrs. proven experience in structured computer programming on Intel based machines using Clipper or C. Good writing, oral, and interpersonal skills. Ability to work independently. Must have own vehicle and able to lift 50 lbs. Send cover letter and resume to Sam Weeks.

Technical Consultant II (PT1402) Level 33
Hotel Administration-Endowed
Posting Date: 2/9/92

Provide technical assistance and general support of hardware and software platforms for the Hotel School faculty, staff and students on PC's and workstations. Plan, develop and implement workstation technologies throughout the school and hotel. Assist users calling the department's help desk. Assist faculty seeking "Courseware" and related classroom technologies. Identify appropriate strategic platforms that can be effective productivity tools. Insure adequate preventive maintenance is performed. Assist in selection of technical staff.

Requirements: Bachelors degree or equivalent in computer science. 2-3 yrs. of practical experience with workstation technology. Familiarity with various network operating systems desired. Send cover letter and resume to Sam Weeks.

Computer Operations Coordinator I (PT1502) Level 32

School of Hotel Administration

Posting Date: 4/16/92

Provide technical support and assist in administering the operation of the school's computers. Provide user support and respond to emergency service calls. Help coordinate the efforts of the information technologies group. Develop and maintain backup and disaster recovery procedures and insure adequate preventive maintenance is performed. Assist in the design and operation of a database for hardware/software issues.

Requirements: AAS degree or equivalent in data processing, BS preferred. 2 yrs. practical experience working with operations. Familiarity with various communications protocols desirable. Send cover letter and resume to Sam Weeks.

Education Outreach Coordinator (PT1705) HRII

Lab of Ornithology-Statutory

Posting Date: 4/30/92

Coordinate and supervise the lab's "National Science Experiments", Nesting Survey, and Project FeederWatch. Develop network of cooperators and prepare accompanying educational materials.

Requirements: Minimum B.S. or equivalent in biology or environmental education with 2-3 yrs. experience in teaching or coordinating educational programs. M.S. preferred. Computer skills; word processing and networking (preferably on Macintosh). Excellent communication and interpersonal skills. Send cover letter and resume to Sam Weeks.

Information Systems Specialist (PT1704) HRII

Human Ecology Administration-Statutory

Posting Date: 4/30/92

Analyze the needs for administrative and academic information systems in the college of Human Ecology and the division of Nutritional Sciences. Develop plans to meet these needs and supervise implementation. Provide leadership in the dissemination of information to the college and division community.

Requirements: BS or equivalent experience and education. 2-5 yrs. experience including work with administrators and faculty in complex college environment and with university administrative systems and procedures. Excellent analysis and advanced communication skills. Ability to use discretion and good judgment. Interest in promoting information usage in college community. Experience with development of database applications and programming. Understanding of database structures and network concepts. Send cover letter and resume to Sam Weeks.

Statistical Consultant (PT0405) HRII
Human Ecology Administration-Statutory
Posting Date: 4/16/92

Assist the Director of Computing and statistical consulting in providing statistical support and consulting for faculty and grad students in Human Ecology and Nutritional Sciences. Assist with grad student instruction and training. Test and develop statistical software.

Requirements: B.S. in biometry or statistics (or equivalent) with research experience, MS preferred. Understanding of basic and advanced statistical methods and research design. Knowledge of computer operating systems or programming on mainframes and microcomputers. Strong service orientation and good oral and written communication skills. End cover letter and resume to Sam Weeks.

Project Coordinator, Foreign Scholar Residence Program (PA1702) HRI
International Students and Scholars-Endowed
Posting Date: 4/30/92

Provide arrival and relocation assistance and coordinate short-term housing facilities for foreign academic staff visiting Cornell.

Requirements: B.A. or equivalent required. 2-3 yrs. related experience. Strong organizational skills. Knowledge of Cornell University and Ithaca community resources essential. Foreign language abilities and experience working with international visitors is helpful. Computer experience desirable. Valid NYS drivers license required. Send cover letter and resume to Cynthia Smithbower.

Assistant Coach (PA1701) HRI
Athletics-Endowed

Posting Date: 4/30/92

Plan and supervise practice and games preparation as assigned, evaluate performances, make recommendations to head coach regarding individual participation in games. Identify, encourage and evaluate application and acceptance of student athletes at Cornell in accordance with the Ivy League, NCAA, and university policies as assigned by Head Coach. Teach PE as assigned. 10 month appointment.

Requirements: Bachelors degree or equivalent in PE or related field. College level experience. Proven success and potential in coaching, teaching, recruiting, and in working with college age students and athletes. Send cover letter and resume to Cynthia Smithbower.

Equipment Procurement and Distribution Coordinator (PA1602) HRI

Vet Administration-Statutory

Posting Date: 4/23/92

Responsible for coordinating all equipment purchases for the new Vet Education Center, Medical Center, and Secondary Teaching Center. Arrange for the movement of new and existing equipment and furnishings into new facilities. Term to 6/30/95 with possible extension.

Requirements: Associates degree. 1-2 yrs. related experience. Combination of education and experience which has led to the development of skills in materials management. Experience supporting academic programs; demonstrated supervisory skills; knowledge of Cornell accounting/budgeting systems and procedures; excellent interpersonal and strong oral and written communication skills; proven ability to develop and apply computer databases and spreadsheets; high services orientation; high energy. Send cover letter and resume to Cynthia Smithbower.

Research Support Specialist (PT1609) HRI
Clinical Sciences-Statutory

Posting Date: 4/23/92

Provide technical support for the woodchuck hepatitis project through investigation of chemical carcinogenesis and development of techniques for histochemical and immunochemical localization of tissue lesions. Maintain computerized tissue inventory of all frozen and formalin fixed tissues.

Requirements: Bachelors degree or equivalent in biology with concentration in physiology, histology, pathology or similar field, MS preferred. 2-3 yrs. experience in all phases of work in histology lab. Experience with cryostat and electron microscopy. Experience in handling, restraint, bleeding, euthanasia of lab animals. Pre-employment physical required. Send cover letter and resume to Sam Weeks.

Research Support Specialist II (PT1606) HRI

Division of Nutritional Sciences/CFNPP-Statutory

Posting Date: 4/23/92

Clean, manage, document and analyze a very large household survey data set from eastern Africa. Perform statistical analysis of subsections and the data set using DBase and SPSS. Provide detailed documentation of the cleaning procedures, higher generation data files and statistical analysis.

Requirements: BS degree in nutrition or equivalent. 2-3 yrs. related experience with maternal and child nutritional problems in de-

veloping countries strongly preferred. Demonstrated knowledge of basic statistics and ability to comprehend and apply more advanced statistics essential. Experience with management and analysis of large complex data sets using a variety of appropriate software packages and techniques required. Familiarity with nuances of household surveys especially in Africa preferred. Demonstrated ability for self-direction and careful attention to detail. Send cover letter and resume to Sam Weeks.

Payroll Coordinator (PC8808) HRI
Payroll-Statutory

Posting Date: 4/16/92

Supervise the Payroll office receptionist/customer service function and coordinate payroll deduction activities. Responsible for payroll processing, training and maintaining references documents. Requires direct contact with University employees and outside agencies. Provides assistance to Director and Assistant Director.

Requirements: Bachelor degree or equivalent in payroll/ accounting. 2-3 yrs. related experience. Excellent communication and interpersonal skills. Adept in dealing with problem situations and with highly confidential materials. Strong organizational skills. Computer systems/personal computer oriented. Excellent attitude toward service. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Assistant Director (PA1601) HRI
Arts and Sciences Admissions-Endowed
Posting Date: 4/23/92

Recruit applicants from assigned geographic areas and chairs the selection committee for those regions. Plays an important role in the recruitment, selection, and advising of students of color for the college. Responsible for on-campus recruiting and undergraduate advising.

Requirements: Liberal Arts MA required; a Ph.D. and fluency in Spanish are preferred. A minimum of 3 yrs. experience in admissions, teaching or related areas. Background in market research, admissions travel, recruitment and selection, and academic advising of students of color is particularly desirable. Excellent interpersonal skills, communication and organizational skills. Should demonstrate commitment to the philosophy of a liberal arts education. Send cover letter and resume to Cynthia Smithbower.

Research Support Specialist II (PT1506) HRI

Soil, Crop and Atmospheric Sciences-Endowed

Posting Date: 4/16/92

Work with interdisciplinary team of researchers modeling the impact of climate change on crop production in US. Organize output files, analyze statistical and other data. Gather, prepare and input information regarding US soils and cropping systems into crop simulation models. Prepare data for input into appropriate fields. Perform some computer programming.

Requirements: MS or BS degree or equivalent with some experience in computer programming and some background in agriculture, geography, natural resources, economics or related fields. familiarity with PC's, data processing and some programming experience highly desirable. Send cover letter and resume to Sam Weeks.

Professional Temporary

Temporary Network Administrator (PT1701)

Entomology-Statutory

Posting Date: 4/30/92

Serve as the system manager for 2 local area networks totaling 75 nodes. Provide computer support to maximize equipment and user productivity. Provide leadership in the dynamic environment of electronic communi-

cations. Train users and provide user support.

Requirements: Bachelors degree in computer science or equivalent education and experience. Extensive knowledge of DOS. Proficiency with Macintosh environment. Excellent communication skills. Familiarity with Novell and desktop publishing. Send cover letter and resume to Sam Weeks.

**Staff Assistant: Communications Program
Cornell Plantations
Part-time Temporary
Posting Date: 4/16/92**

Support publications and interpretive programs for Cornell Plantations. Expedite completion of layout and production of visitor and public relations pieces. Work closely with manager in providing services for other programs. Six month part time position working at least 20 hrs. per week.

Requirements: Experience using the Macintosh for desktop publishing with Pagemaker and Microsoft Word. Attention to detail. Flexibility and ability to work in several projects at once. Salary commensurate with experience. Send cover letter and resume to Karen Raponi, Staffing Services, East Hill Plaza #2.

Ithaca Community Childcare Center

**Part-Time Office Assistant
Ithaca Community Childcare Center
579 Warren Road (just north of BOCES)**

Provide general office support to a large childcare facility. 12-15 hrs/wk., 3:00 to 5:30pm. Initially working Wednesday and Friday afternoons only until end of semester. Then Monday through Friday during the summer. \$5-6/hr.

Requirements: Knowledge of general office procedures. Mac computer experience. Basic typing skills (40wpm). Office experience preferred. Fill out an application at the Center or send resume to Ithaca Community Childcare Center, Attn: W. Fonder, 579 Warren Road, Ithaca, NY 14850. No phone calls please.

Boyce Thompson Institute

**Postdoctoral Research Associate
Plant Protection/Boyce Thompson Institute
Posting Date: 4/23/92**

Molecular biology and protein biochemistry of the virulence genes and proteins responsible for baculovirus pathogenesis.

Requirements: Ph.D. in Molecular Biology, Biochemistry, Entomology or related field. Experience with protein biochemistry and/or recombinant DNA techniques desirable, but not required. \$20,000-23,000/year commensurate with experience. Two year appointment. Send cover letter, list of publications and names of three references to: Dr. Robert R. Granados, Director, Plant Protection Program, Boyce Thompson Institute for Plant Research, Tower Road, Cornell University, Ithaca, NY 14853-1801, (607) 254-1265.

Research Assistant, Part Time, 20 hrs./week

**Environmental Biology Program
Department: Boyce Thompson Institute for Plant, Tower Road
Posting Date: 4/23/92
Salary: \$6,600-\$8,750 p/year, commensurate with experience**

National assessment of impact of ozone on forests. Work with a team of ecological modelers to develop input parameter sets for application of models to a wide variety of new species. Conduct literature searches to collect information needed for model parameterization. Test and apply computer models, conducting computer simulations of tree response to ozone exposure.

Requirements: Ability to use computers. Good library research skills and familiarity with biological concepts. Knowledge of plant physiology, forest ecology, soil chemistry, or simulation modeling preferred. Organizational and communication skills essential. Contact Anne Zientek, 254-1239.

**Research Assistant
Environmental Biology Program
Boyce Thompson Institute for Plant, Tower Road**

**Salary: \$13,100-\$17,500/year, commensurate with experience
Posting Date: 4/23/92**

Duties will be divided between two projects: Forest regeneration project, 60%. Compile and format various data sets on understory vegetation. With help from other scientists, produce regression equations predicting the density and type of understory vegetation over time following silvicultural treatment. Assist with ecological models, 40%. Test and apply computer models being developed by our team of ecological modelers. Run other models for comparisons. Current models concern decomposition of soil organic matter, soil chemical processes, plant physiology, and nutrient uptake.

Requirements: Ability to use Computers for long periods. Familiarity with SAS, statistics, and computer graphics or knowledge of forest ecology, soil chemistry, or simulation modeling. Organizational and communication skills essential. Contact Anne Zientek, 254-1239.

Technical

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

All external candidates must have a completed signed employment application on file with Staffing before they can be interviewed for a position. Send a cover letter and resume for each position, specifying the job title, department and job number, to Sam Weeks, 160 Day Hall. Skill assessment check lists, available at the Day Hall office, are a valuable aid when applying for computer or laboratory related positions.

**Animal Technician GR18 (T1604)
Laboratory Animal Services-Statutory
Minimum Biweekly Salary: \$542.89
Posting Date: 4/23/92**

Care, feed, water, clean and monitor research animals. Follow strict protocols for sterile or disease control environments and regulations for animal welfare. Maintain animal records. Assist vets in treating and vaccinating animals. Weekends and holidays coverage required.

Requirements: Associates degree or equivalent in Animal Science required. Assistant certification helpful. Minimum 1 yr. related experience required. 1yr. animal experience. Ability to lift 50lbs. Must successfully pass a pre-employment physical and all necessary immunization. Drivers license. Send cover letter and resume to Sam Weeks.

**Technician GR18 (T1505)
Food Science-Statutory
Minimum Biweekly Salary: \$542.89
Posting Date: 4/16/92**

Conduct analytical tests on dairy products to provide support for research projects. Test procedures include: Kjeldahl nitrogen, total solids, salt, fat, and others. Assist in cheese making. Enter data in computer, clean glassware, and help with other laboratory related activities.

Requirements: Associates degree or equivalent in dairy technology or food science. Course and laboratory class training in routine dairy product analyses (Kjeldahl, Mojonner, Babcock.) Minimum 1 yr. related experience. Send cover letter and resume to Sam Weeks.

**Technician GR18 (T1105)
Nutritional Sciences- Statutory
Minimum Biweekly Salary: \$542.89
Posting Date: 3/19/92**

Conduct behavioral experiments with rats involving the biology of cognitive processes. Operate and maintain a computer controlled, automated testing apparatus. Perform data entry and computerize statistical analysis. Supervise and train undergrads in research. **Requirements:** AAS degree preferably with research experience. BS degree desired. Experience with computers for data analysis preferable. Background in biopsychology and knowledge of statistics desirable. Excellent communication, organizational and interpersonal skills. Ability to work independently, to prioritize work, to work under pressure, and to meet deadlines. Accuracy a must. Send cover letter and resume to Sam Weeks.

**Technician GR19 (T7706)
Food Science-Statutory
Minimum Biweekly Salary: \$566.28
Posting Date: 4/30/92 Repost**

Conduct microbiological research on the growth of pathogenic microorganisms in refrigerated foods. Prepare media and cultures. Inoculate foods with pathogenic microorganisms. Package and enumerate samples. Develop enumeration procedures. Order supplies and keep accurate records.

Requirements: AAS in microbiology or related field with emphasis in microbiology. Minimum 1 yr. related experience. Familiarity with enumeration, identification, spectrometry. Ability to conduct independent research with minimal supervision. Experience with pathogenic bacteria. Computer and statistical knowledge helpful. Good communication skills. Send cover letter and resume to Sam Weeks.

**Technician GR19 (T1510)
Vet Physiology-Statutory
Minimum Biweekly Salary: \$566.28
Posting Date: 4/16/92**

Provide technical assistance in general biochemical lab techniques, light and electron microscopy, and experimental procedures. Prepare reagents. Operate electronic balances, pH and ion selective meters, spectrophotometers, and centrifuges. Perform cellular and sub-cellular and sub-cellular fractionation; ion exchange; gel filtration and affinity chromatography; protein assays; and spectrophotometric assays for enzyme activity. Maintain instrumentation. Assist in specimen preparation for electron microscopy. Perform photographic procedures. Maintain marine and fresh water aquaria. Assist in training postdocs, students, staff and visiting researchers.

Requirements: AAS degree or equivalent in a biological or physical science, BS preferred. 1-3 yrs. relevant lab experience in cell biology or biochemistry. Spreadsheet and database computer experience. Valid NYS drivers license. Send cover letter and resume to Sam Weeks.

**Field Technician GR20 (T1706)
Quality Milk Promotion Services-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 4/30/92**

Perform surveys on dairy farms for detection of udder infection in cows, collect milk samples, and examine milking systems and installations. Observe and record environmental conditions and management practices. Assist in collecting blood samples. Enter computer data for reports. Care for equipment and maintain supplies. Perform general housekeeping, maintain stocks, and dispose of media.

Requirements: BS degree or equivalent education and experience in dairy science required. Certified Animal Health Technician preferred. 1-2 yrs. related experience including dairy farm work. Strong interpersonal skills. Familiarity with computers, including Lotus and DBase III+. Willingness to learn new skills and work as a team member. Send cover letter and resume to Sam Weeks.

**Technician GR20 (T1401)
Clinical Sciences-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 4/9/92**

Provide technical support for researchers in immunological laboratory. Prepare tissue culture and bacteriological media, buffers and other precisely formulated reagents. Familiarity with handling techniques for cows and common laboratory animals to the extent that milk and blood samples can be obtained.

Requirements: B.S. in biology or equivalent experience in microbiological techniques. 1-2 yrs. experience including handling laboratory animals and knowledge of laboratory procedures. Pre-employment physical required. Send cover letter and resume to Sam Weeks.

**Technician GR20 (T1403)
Biochemistry, Molecular and Cell Biology-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 4/9/92**

Provide technical assistance doing molecular and cell biology research in a basic cancer research lab. Manage all lab operations including staff and expenditures. Perform research involving recombinant DNA, protein biochemistry and cell culture techniques. Maintain computerized databases. Variable hours.

Requirements: Bachelors degree or equivalent in biochemistry, molecular biology, chemistry or related field. 1-2 yrs. research experience in molecular biology and cell culture. Familiarity with personal computers. Must pass radiation safety course (training provided). Send cover letter and resume to Sam Weeks.

**Animal Health Technician GR20 (T9003)
Veterinary Medical Teaching Hospital-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 11/7/91**

Provide technical support for the Community Practice Service within the Small Animal Clinic. Provide emergency care and routine care including medications, grooming, bathing, and cage cleaning when necessary. Maintain supplies and equipment. Educate clients while admitting patients, taking histories, discharging patients, and explaining techniques for outpatient treatment. Supervise animal health technician externs. Assist in paper work. Assist and train veterinary students.

Requirements: AAS degree in veterinary technology with AHT NYS licensure (or eligible). 1-2 yrs. experience in clinical environment. Work with small animals preferred. Send cover letter and resume to Sam Weeks.

**Technician GR21 (T1703)
Microbiology-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 4/30/92**

Prepare, evaluate and develop methods for experiments on bacterial biofilm-metal interactions. Perform microscopic analysis of bacteria in soil and sediment samples. Oversee department darkroom. Train students and staff.

Requirements: B.A. in biology or equivalent. 1-2 yrs. relevant experience including extensive experience in photography and microscopy (LM, TEM, STEM). General Knowledge of microbiology and microbial ecology. Send cover letter and resume to Sam Weeks.

**Technician GR21 (T1607)
Vet Pathology-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 4/23/92**

Prepare high quality microscope slides for both diagnostic and research purposes. Perform routine embedding, sectioning and staining of animal tissue. Perform large volume of special staining procedures on rotating basis. Assist in development of contemporary histopathology procedures within the laboratory.

Requirements: BS or equivalent required with experience and coursework in histopathological techniques. HT(ASCP) certification or eligibility highly desired. 1-2 yrs. experience as histology technician in a hospital or research laboratory desired. Experience in variety of special staining techniques and immunohistochemistry desired. Send cover letter and resume to Sam Weeks.

**Computer Operator GR21 (T8703)
Dining Services-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 4/16/92**

Acquire a basic working knowledge of the various functions of the Dining units com-

puter system. Assist the systems manager in systems related operations. Issue accurate and timely reports. Monitor and maintain equipment. Schedule repairs. Perform file saves and disk backups. provide basic technical support to staff. Create spreadsheets. Audit system output for accuracy and make corrections when necessary. Maintain supplies.

Requirements: AAS degree or equivalent with related computer coursework. Minimum 6-12 months related experience. Basic computer operator skills supporting computer systems and equipment including mini/micro-computers, JCL, card readers, printers, modems, and telecommunication lines. Knowledge of DOS 3.3 (and higher), WordPerfect, Lotus and Foxbase+ preferable. Knowledge of IBM compatible PC hardware desirable. Strong communication and interpersonal skills. Ability to lift 45 pounds. Send cover letter and resume to Sam Weeks.

**Technician GR21 (T1608)
Quality Milk Promotion Services-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 4/23/92**

Provide technical lab support for a quality milk and mastitis control program. Collect and culture milk samples for isolation of mastitis causing organisms. Perform microscopic examinations of stained films or wet preparations. Identify mastitis organisms. Perform antibiotic sensitivity tests. Follow protocols for research projects. Keep accurate records. Teach lab methods to veterinary students and technicians. Maintain lab orderliness.

Requirements: BS degree or equivalent in microbiology with and excellent knowledge of microbiology lab procedures. 1-2 yrs. previous experience in diagnostic microbiology desired. Good interpersonal skills. Send cover letter and resume to Sam Weeks.

**Technician GR22 (T1702)
Neurobiology and Behavior-Endowed
Minimum Biweekly Salary: \$641.92
Posting Date: 4/39/92**

Provide technical lab assistance in research using transmission and electron microscopy for finestructure and autoradiography. Prepare cell, tissue and organ cultures. Fix specimens and section with ultramicrotome. Prepare emulsions for coating sections. Help interpret resultant micrographs.

Requirements: BS or equivalent in biological sciences (neurobiology or biochemistry). 2-4 yrs. related experience using electron microscopes (TEM and SEM), ultramicrotomes, and sterile techniques for cultures. Send cover letter and resume to Sam Weeks.

**Technician GR22 (T1501)
Plant Pathology-Statutory
Minimum Biweekly Salary: \$641.92
Posting Date: 4/16/92**

Provide technical assistance and manage a cytology lab. Operate and train others to use light microscopes. Prepare solutions, media and specimens. Design, conduct and supervise molecular biology experiments and analyze data.

Requirements: BS degree or equivalent in biological sciences with 2 or more courses in molecular biology. 3-4 yrs. related lab experience. 2 lab courses in molecular biology or 6-123 months of molecular biology research. Working knowledge of statistics and computers. Ability to work with refined lab equipment. Training experience desired. Send cover letter and resume to Sam Weeks.

**Laboratory Coordinator GR24 (T1707)
Pharmacology-Statutory
Minimum Biweekly Salary: \$701.22
Posting Date: 4/30/92**

Provide technical support and management for a sophisticated biochemical lab. Purify GTP-binding proteins and growth factor receptor for x-ray crystallographic studies. Perform biochemical characterization. Determine expression of proteins in insect cells via baculovirus infection and in E. coli. Use: gel electrophoresis equipment, peristaltic pumps, fraction collectors, scintillation counters. Responsible for ordering and laboratory inventory, all radioactive functions within the lab.

Requirements: B.S. or equivalent in Biochemistry, Biology, or Neurobiology required. 4-5 yrs. laboratory experience. Ability to make independent decisions, supervise and train technical staff, graduate students, and support staff. Send cover letter and resume to Sam Weeks.

**CHESS Operator GR24 (T1603)
CHESS-Endowed
Minimum Biweekly Salary: \$
Posting Date: 4/23/92**

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. Assist in building new equipment. May assist in experimental programs. Some nights and weekends.

Requirements: Bachelors or equivalent in technical field such as engineering physics. Experience not needed. Good mechanical and laboratory skills. Programming experience preferred. Send cover letter and resume to Sam Weeks.

Technical Off-campus

**Technician GR18 (T1001)
Plant Pathology (Geneva)-Statutory
Minimum Biweekly Salary: \$542.89
Posting Date: 4/30/92 Repost**

Assist in conducting plant tissue culture and

transformation research. Prepare plant tissue culture media and other sterile supplies. Transfer and maintain tissue culture and greenhouse plants. Perform routine chemical assays and record results.

Requirements: Associates degree or equivalent in biology, biotechnology, microbiology, or plant pathology. Training or experience in plant micropropagation and bacteriology or microbiology. Course work in genetics and chemistry. Ability to keep accurate records and to work without constant supervision required. Valid drivers license. Send cover letter and resume to Sam Weeks.

Technical Part-time

Temporary Technician (T1601)

Animal Science

Posting Date: 4/23/92

Perform basic analytical work for nutrition studies, such as proximate analysis. Measure minerals in biological specimens. Use bomb calorimeter spectrophotometer, atomic absorption, and other analytical instruments. Assist in milling experimental feeds and setting up poultry experiments.

Requirements: Associates degree in chemistry or animal science. 1-2 yrs. experience conducting chemical analyses for nutrition studies. Experience working with common nutritional lab analytical instruments. Able to lift 60-80 pounds. Send cover letter and resume to Sam Weeks.

Technical Temporary Off Campus

Temporary Service Technician (T1103)

Entomology-Statutory

Hiring Rate: \$7.00

Posting Date: 3/19/92

In Orange and Ulster Counties (Tuesday-Thursday): Develop and conduct surveys on pesticide use in the non-agricultural sectors. Develop educational programs on how to interview and survey work for 4-H members. On the Cornell Campus (Monday and Friday): Summarize and interpret data. Assist in preparation of reports.

Requirements: Training and experience in data handling and computers desirable. Ability to interact well with Cornell faculty and staff, cooperative extension personnel and high school students. Valid NYS driver's license. Public speaking experience desirable. Send cover letter and resume to Sam Weeks.

Office Professionals

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

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

Submit a signed employment application and resume which will remain active for a period of four months. During this time, you will be considered for any appropriate openings for which you are competitively qualified. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our EHP office. If you are currently available for employment, you may want to consider temporary opportunities at the University. Please contact Karen Raponi at 255-2192 for details.

Office Assistant GR17 (C1705)

Alumni Systems and Gift Services-Endowed

Minimum Biweekly Salary: \$530.38

Posting Date: 4/30/92

Trace for biographic information, address update and deceased information on Cornell Alumni. Make biographic additions, changes and deletions to records of Cornell Alumni and friends using an IBM 3270 CRT for an on line system.

Requirements: High School diploma or equivalent required. Some data entry and CRT experience helpful. Good organizational, interpersonal and communications skills. Good telephone techniques and attention to details essential. Light typing. Regular CU employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2.

Preservation Assistant GR18 (C1706)

Conservation/Olin Library-Endowed

Minimum Biweekly Salary: \$542.89

Posting Date: 4/30/92

Assist the preservation reformatting librarian in the southeast Asia languages microfilming project in pre- and post-filming procedures. Search Rlin notice for catalog copy; prepare materials for microfilming; collate, repair, make targets on IBM-PC; Supervise the work of student assistants. Term until 12/31/94.

Requirements: High School diploma or equivalent. Some college coursework preferred. Excellent organizational and workflow management skills; attention to detail. 1-2 yrs. previous library work experience, especially knowledge of searching and acquisitions procedures; knowledge of microfilming techniques and equipment highly de-

sired, IBM-PC, WordPerfect and PC-file highly desired. Ability to lift moderate weights and push heavy book trucks. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Office Assistant/Telecommunicator GR18 (C1603)

Transportation Services-Endowed

Minimum Biweekly Salary: \$542.89

Posting Date: 4/23/92

Accurately transmit information concerning parking and the transportation program to the university and general community. Provide office support for the various aspects of the Traffic Bureau operation.

Requirements: High School diploma or equivalent. Some college coursework preferred. 1-2 yrs. general office experience. Excellent communication oral and listening skills. Computer experience desirable. Regular Cornell employees only. Send employees transfer application, cover letter, resume to Esther Smith, Staffing Services, East Hill Plaza #2.

Receptionist, Large Animal Clinic GR18 (C1606)

Veterinary Medicine Teaching Hospital-Statutory

Minimum Biweekly Salary: \$542.89

Posting Date: 4/23/92

Receptionist for the Large Animal Front Office duties: gathering client information, telephone communications, interacting with clients for deposits, payment policy, type, file, computer input, admissions, discharges and cashing. Monday-Saturday, 39hours/week.

Requirements: High School diploma or equivalent required. Some college coursework preferred. Medical terminology and computer experience essential experience with Word Perfect word processing helpful. Experience with large animals helpful. Good public relations and telephone skills. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Office Assistant GR18 (C1611)

Agricultural and Biological Engineering-Statutory

Minimum Biweekly Salary: \$542.89

Posting Date: 4/23/92

Provide secretarial and administrative support to the Cornell Local Roads Program staff. Register workshop participants, perform routine accounting tasks, distribute publications, type correspondence, answer telephones, and respond to inquiries. Travel four to six times annually for three to four days per trip.

Requirements: High School diploma or equivalent required. Some college coursework desirable. Valid NYS drivers license. Advanced proficiency in WordPerfect 5.0 or 5.1 necessary. Knowledge of Dbase III inquiry, Lotus, and Harvard graphics desirable. Minimum 1 yr. general office experience necessary. Desire to work in a service oriented position with daily public contact helpful. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Administrative Aide GR19 (C1702)

Civil and Environmental Engineering-Endowed

Minimum Biweekly Salary: \$566.28

Posting Date: 4/30/92

Provide secretarial/ administrative support for the Associate Director of Undergraduate Programs in the School of Civil and Environmental Engineering. Responsibilities includes providing support for all aspects of the undergraduate degree program. Perform technical word processing and administrative support for assigned faculty.

Requirements: High School Diploma or equivalent required. Some college coursework preferred. Minimum 1-2 yrs. related secretarial experience. Demonstrated ability to take initiative and handle ongoing activities. Required independent judgment and decision making. Excellent original interpersonal and communication (written/oral) skills essential. Must work well under pressure. Knowledge of Mac desirable. Confidentiality required. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Secretary GR19 (C1304)

Floriculture and Ornamental Horticulture-Statutory

Minimum Biweekly Salary: \$566.28

Posting Date: 4/2/92

Serve as secretary for undergraduate instruction and the urban horticulture institute. Provide word processing support for 5 faculty and their support staff. Duties include preparation of classwork, manuscripts, proposals, research reports, correspondences and other related materials in support of teaching, research and extension functions.

Requirements: HS diploma or equivalent. Some college course work preferred. 1-2 yrs. secretarial experience. Knowledge of IBM PC or compatible and WordPerfect software required; database and spreadsheet software desired. Familiarity with network systems a big plus. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP #2; employees may enclose employment transfer application.

Office Assistant GR19 (C1703)

University Photography/University-Endowed

Minimum Biweekly Salary: \$566.28

Posting Date: 4/30/91

Efficiently operate the front office of university photography to assure customer satisfaction. Assist clients in person and via the telephone. Take production orders and schedule to assure timely completion. Perform billing and bookkeeping.

Requirements: High School diploma or equivalent. Some college coursework preferred. 1-2 yrs. customer service experience. Excellent organizational interpersonal, and telephone skills. Macintosh experience. Experience with Cornell accounting very desirable. Must be able to work under pressure and meet tight deadlines. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Editorial Assistant GR19 (C1704)

C.U. Press-Endowed

Minimum Biweekly Salary: \$566.28

Posting Date: 4/30/92

Assist six editors in editing department; check all stages of proof; help with manuscript and index preparation.

Requirements: AAS or equivalent knowledge of Chicago manual of style desirable. Proofreading skills. Excellent concentration and eye for detail. Ability to organize flow of work and meet schedules for over 140 books per year. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Travel Coordinator GR19 (C1504)

Travel Office-Endowed

Minimum Biweekly Salary: \$566.28

Posting Date: 4/16/92

Provide management, faculty, staff and guests of Cornell, on university business or related business, the most economical international and domestic travel plans. Reserving and ticketing airline, train, car and hotel accommodations.

Requirements: High School diploma or equivalent. Commercial travel agent with 1-3 yrs. actual working experience with travel agency or airline. Must be proficient on American Airlines Sabre Computer Reservation System. Accuracy in domestic and international schedules, fares, rules, and ticketing essential. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Inventory Control Clerk I GR19 (C1501)

CIT Sales-Endowed

Minimum Biweekly Salary: \$566.28

Posting Date: 4/16/92

Track and monitor the CIT Sales resale inventory including serialized microcomputer equipment and peripherals, supplies and other items available for sale to departments and personal purchasers. Assist in the receiving, distribution and tracking of all sold items.

Requirements: High School diploma or equivalent. Some college coursework preferred. 2-3 yrs. experience in a computerized materials management function such as shipping and receiving. Excellent organizational and interpersonal skills. Attention to detail and accuracy. Valid NYS drivers license. Familiarity with microcomputer and office equipment. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Research Aide GR20 (C1601)

CRSR-Endowed

Minimum Biweekly Salary: \$590.45

Posting Date: 4/23/92

Provide support for research group in planetary science, including library research, typing technical MSS and government grant proposals; making complex travel arrangements; purchase orders, vouchers and reimbursements; handling sensitive and diverse telephone calls; provide backup in general clerical duties.

Requirements: AAS degree. Bachelors degree or equivalent. Some Science background helpful. Word processing, accurate typing and good language skills required. Some technical typing experience helpful. Familiarity with Cornell library system and accounting useful. Able to handle wide range of projects under pressure. Excellent telephone technique. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Circulation/Reserve Supervisor GR20 (C1602)

Music Library/CUL-Endowed

Minimum Biweekly Salary: \$590.45

Posting Date: 4/23/92

Facilitate access to and circulation of the collection of the Music Library. Supervise student assistants and night supervisors. Provide reference service 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 for the billing of overdue and lost materials. Maintain student budget. In charge of the Music Library in absence of the librarians.

Requirements: Associates or equivalent required. Coursework in music with emphasis in music history required. 2-3 yrs. related experience. Computer literacy. Excellent interpersonal skills. Must possess a service orientation and have the ability to work effec-

tively with faculty, students and staff. Supervisory skills. Reading knowledge of one foreign language. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Administrative Aide GR21 (C1610)

Africana Studies and Research Center-Endowed

Minimum Biweekly Salary: \$615.42

Posting Date: 4/23/92

Provide secretarial and administrative support to the Director and Administrative Manager. Responsible for department and grant account maintenance. Prepare and maintain student appointment files. Monitor and coordinate faculty searches. Backup to Administrative Manager.

Requirements: Associates degree or equivalent required. 2-3 yrs. secretarial and Cornell accounting experience. Experience with Macintosh computer. Working knowledge of Microsoft word and Excel software. Must be able to work under pressure and tight deadlines. Excellent communication and interpersonal skills. confidentiality a must. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Administrative Aide GR21 (C1502)

Information Technologies/IR-Endowed

Minimum Biweekly Salary: \$615.42

Posting Date: 4/16/92

Provide administrative leadership and guidance in support of the division's mission including human resource, accounting and support activities. Assist, contribute and influence decisions on setting policies and procedures within CIT.

Requirements: Associates Degree or equivalent experience in Secretarial Sciences. 3-4 yrs. related experience preferably at Cornell or equivalent. Excellent command of Macintosh, and software programs including EXCEL, Filemaker, MicroSoft Word, etc. Excellent interpersonal, communication and supervisory skills. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Assistant Costume Shop Manager GR23 (C1406)

Theatre Arts-Endowed

Minimum Biweekly Salary: \$669.23

Posting Date: 4/9/92

Assist Costume Shop Manager in all phases of shop operations in constructing costumes for theatre productions. Purchase supplies and materials, monitor budgets and inventory; draft and drape patterns, construct costumes; assist with the supervision of student personnel.

Requirements: BA in theatrical costuming. Theatrical costume construction, patterning skills, costume crafts-dyeing, millinery, tailoring, etc. Experience operating costume shop equipment. Budgeting and supervisory experience. Good interpersonal skills. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Office Professionals Part-time

FarmNet Operator GR18 (C1707)

Agricultural Economics-Statutory

Minimum Full-time Equivalent: \$542.89

Posting Date: 4/30/92

Provide farm families with support using the information 800#, referral, consulting system. Support in areas of emotional, legal, financial and family issues. Until 3/31/92, further employment contingent upon continued funding.

Requirements: High School diploma or equivalent required. Some college coursework preferred. Strong listening and interpersonal skills. Familiarity with farming and farm families necessary. Familiarity with Cornell Cooperative Extension very desirable. Computer WP 5.2 experience a must. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Senior Stacks Assistant GR18 (C1608)

Access Services/Annex Library-Endowed

Minimum Full-time Equivalent: \$542.89

Posting Date: 4/23/92

Assist the Annex Library Supervisor in managing the book, periodical and archival collections at the Annex Library (a collection of 422,380 volumes and more than 27,000 cubic feet of manuscript materials) and in providing public service. Oversee the operation of the Annex Library in the supervisors absence.

Requirements: High School diploma or equivalent required. Some college coursework and/or experience with academic libraries preferred. Good interpersonal and organizational skills. Able to lift and move up to 50lbs. Ability to work well with a variety of people in public services setting. Experience with microcomputers desirable. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

Information Assistant GR18 (C1609)

Reference/Engineering Library-Endowed

Minimum Full-time Equivalent: \$542.89

Posting Date: 4/23/92

Responsible for assisting library patrons in locating information using traditional and computerized reference tools, such as the

online catalog, RLIN, compact disk indexes, Internet resources, and print indexes. Review and verify interlibrary loan requests; perform online verification and fee based searches in Dialog; respond to requests from the Document Photocopy Service; assist with bibliographic, collections, or instruction projects. Monday, Tuesday, Wednesday, Friday, 1:00-6:00pm, Thursday, 1:00-10:30pm. Plus one additional hour per week. **Requirements:** High School diploma or equivalent required. 1-2 yrs. related experience with the Research process; ability to work well under pressure; experience with microcomputers (both Macintosh and IBM) preferred; strong interpersonal, organizational and communications skills; experience in an academic library preferable. Some college coursework preferred. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

**Administrative Aide GR19 (C1708)
Education-Statutory**

Minimum Full-time Equivalent: \$590.45
Posting Date: 4/30/92
Provide administrative support for National Science Foundation sponsored research project in mathematics education, including management of computer systems, video system, correspondence, project accounts, and organization of project materials. Until 6/30/93 contingent on continuation of grant to be arranged.

Requirements: High School diploma or equivalent required. Some college coursework preferred. 1-2 yrs. related experience in office management. Knowledgeable about Macintosh computers with word processing experience. Strong interest in computers required. Accounting and/or editing experience desired. Strong organizational skills. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include a employee transfer application.

**Administrative Aide GR19 (C1607)
Ctr. for Advanced Imaging Technology-Statutory**

Minimum Full-time Equivalent: \$566.28
Posting Date: 4/23/92

Assist Director in the performance of administrative duties required for the smooth operation of the Center, including budgeting, accounting, payroll and secretarial support. Monday-Friday; hours to be arranged.

Requirements: High school diploma or equivalent required. Business and Office Administration or equivalent combination of education and experience. Some college coursework preferred. Knowledge of Statutory Accounting system. 1-2 yrs. previous office experience. Working knowledge of IBM PC ST/AT/386/PS-2, Wordperfect and Lotus 123, Data base management skills very desirable. Regular Cornell employees only. Send cover letter, resume and employee transfer application to Esther Smith, Staffing Services, East Hill plaza #2.

**Senior Night Supervisor GR20 (C1605)
Circulation/Urns-Endowed**

Minimum Full-time Equivalent: \$590.45
Posting Date: 4/23/92
Responsible for the Urns Library building during the evening hours. Supervise the work of staff and student assistants at the Circulation/Reserve and Security desks. Assist with hiring, scheduling, training, and evaluating student assistants. Must exercise considerable judgement and initiative in making decisions. 25 hrs/week, evenings and weekends. **Requirements:** Associates or equivalent. 2-3 yrs. related experience. Dependability and punctuality are absolutely essential. Excellent interpersonal skills. Must be flexible to allow for changes in schedule. Ability to move books (10-20lbs) and push book carts (30-50lbs). Supervisory experience desirable. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

**Nursery School Teacher (C1204)
Unions and Activities/University Cooperative Nurser School**

Posting Date: 4/2/92
In charge of afternoon program of parent cooperative nursery school. Responsible for curriculum and teaching of class of 10 four and five year olds. **Requirements:** Bachelors degree, experience required, previous coursework in early childhood education desirable. Experience teaching 3-5 yr. olds mandatory. Send cover letter and resume to Sally Reimer, University Cooperative Nursery School, Box 18, Robert Purcell Union.

General Service

Submit a signed employment application which will remain active for a period of four months. During this time, you will be considered for any appropriate openings for which you are competitively qualified. Requests for referral and/or cover letters are not accepted from external candidates unless specified in the ad. Qualified applicants will be invited for a preliminary interview at our EHP office. If you are currently available for employment, you may want to consider temporary opportunities at the University. Please contact Karen Raponi at 255-2192 for details.

Senior Instrument and Controls Mechanic/Operator (G1401)TO07
Utilities-Endowed

Posting Date: 4/9/92
Maintain, repair, and calibrate the state of the art Utility Plant instrument and computer control systems. Perform electronic, electrical, and mechanical trouble shooting and maintenance on utility plant equipment necessary to assure continued and efficient operation of plant functions.

Requirements: Associates degree in Electrical, Electronics or Electromechanical Technology, or equivalent, required. 3-5 yrs. related experience in utility plant electric and solid state electronic controls preferred. Control system operation and maintenance desirable. Experience with control computer systems and personal computers desirable. Demonstrated ability to troubleshoot equipment and system problems. Ability to learn new technologies required. Must maintain a valid New York State drivers license. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

**Life Safety Specialist II GR22 (G1301)
Life Safety Services-Endowed**

Minimum Biweekly Salary: \$641.92
Posting Date: 4/2/92

Respond to all on/off campus emergencies occurring in University structures. Basically work is unsupervised, and must exercise a high degree of self reliance, sound judgement, initiative and motivation. Shift work which includes weekends and holidays.

Requirements: Associates degree. Bachelors degree preferred. Minimum 3yrs. experience in campus setting. Mechanical aptitude. Valid NYS drivers license. Good (oral and written) communication skills. Working knowledge of fire suppression, rescue and fire prevention activities. 1st aid, CPR Certification. Must pass extensive background check, pre-hiring physical and annual physical. Must be acquainted with computer keyboard. Send cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza #2. Employees should include employee transfer application.

General Service Temporary

**Temporary Field Assistant (S1304)
Plant Breeding**

Posting Date: 4/2/92
Work on alfalfa breeding project. Involves both greenhouse and field work: planting, cultivating, transplanting and harvesting alfalfa trials and experimental plots in the Ithaca area.

Requirements: Must have a NYS valid drivers license. High school education, able to lift 50 lbs. Must be able to operate farm tractor. Should know how to operate cultivators and harvest equipment. Must be dependable and able to follow directions. Please send application materials to Karen Raponi, Staffing Services, East Hill Plaza #2.

General Service

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

**Greenhouse Worker SO06 (B1302)
Floriculture and Ornamental Horticulture-Statutory**

Hiring Rate: \$7.91
Posting Date: 4/30/92
Perform greenhouse operations for maintaining plant growth and research experiments in support of teaching, extension and research

programs for members of the plant science greenhouse consortium range. Some mechanical fabrications, maintenance and repair.

Requirements: Associates in horticulture or greenhouse management or equivalent; state certification for pesticide applications or ability to obtain valid drivers license. Knowledge of plumbing, heating, cooling and ventilation as it pertains to setup and design of research projects. 1 yr. experience in general greenhouse operation and repair. Send cover letter and resume to Cynthia Smithbower.

**Laboratory Attendant GR15 (B1603)
Plant Pathology (Geneva)-Statutory**

Minimum Biweekly Salary: \$499.20
Posting Date: 4/23/92

Collect, clean, and deliver glassware to research laboratories and greenhouses daily. Operate and maintain glassware washing equipment and autoclaves. Order glassware and supplies needed to maintain the general supply of department glassware and other items. Perform routine cleaning and maintenance of work room and equipment. Make coffee for morning department coffee break. 6:00am-2:00pm Monday, Wednesday, Thursday, Friday, 6:00am-1:30pm Tuesday.

Requirements: High School diploma. Valid drivers license. Ability to organize and prioritize daily work schedule. Must be a careful, neat worker. Knowledge of operation and maintenance of glassware washing equipment and autoclaves desirable. Ability to order on a timely basis supplies and glassware needed to maintain general department stock. Send application materials to Cynthia Smithbower.

**Groundswoker SO04 (B1601)
Grounds Department-Endowed**

Hiring Rate: \$7.17
Posting Date: 4/23/92

Performs all general landscape maintenance and landscape construction tasks; may be assigned other groundswokers, both regular and seasonal, to aid in carrying out assignments. Frequent nights and weekend work during winter season.

Requirements: High School diploma or GED equivalent required. Courses in agronomy, Horticulture or related fields desirable. 1-2 yrs. related experience. Pesticide applicators license desirable. Experience in commercial landscape maintenance, landscape construction and related equipment. Minor equipment repair experience desirable. Valid drivers license. Send application materials to Cynthia Smithbower.

**Equipment Operator SO06 (B1602)
Grounds Division-Endowed**

Hiring Rate: \$7.91
Posting Date: 4/23/92

Operates a wide variety of landscape maintenance equipment and motorized-wheeled vehicles to include commercial trucks and tractors to mow turf, plow snow and support other campus grounds activities; also provides labor using hand tools to perform other grounds keeping tasks as required. Monday-Thursday, 7:00am-3:00pm, Friday 7:00am-2:30pm.

Requirements: High School diploma or equivalent required. NYS Motor vehicle license class 5; class 3 preferred, class 1 desirable. NYS pesticide applicators license desired. Able to operate, adjust and perform operator-level maintenance on tractors, trucks, sewer rodding machines, air compressors and attachments, spraying equipment. Able to read plans, specifications, manuals, blueprints for landscapes. Send application materials to Cynthia Smithbower.

General Service Part-Time

**Clinic Aide SO03 (B1501)
Veterinary Medical Teaching Hospital-Statutory**

Hiring Rate: \$6.83
Posting Date: 4/16/92

Aseptic cleaning of areas of Small Animal care and treatment. Mopping, trash removal, general cleaning, stocking, vacuuming, removal of biohazardous waste. Monday-Saturday, 3:00am-7:00am, 24 hrs/week.

Requirements: High school education or equivalent. Experience with housekeeping/custodial services supplies and equipment. Must be able to work around small animals and in a teaching hospital setting. Send cover letter and resume to Cynthia Smithbower.

Academic

PA#17 Senior Extension Associate-Biotechnology Transfer

Location: Cornell University, Ithaca, NY
Posting Date: 4/30/92

Serve as Director of the Biotechnology Technology Transfer and Economic Development Program. The director will be the interface between the biotechnology industry in New York State, research scientists and engineers on the Cornell campus, and related campus economic development outreach programs in order to implement and evaluate initiatives and impacts of the small firm technology transfer component of the Biotechnology Program. Actively recruit, develop, and maintain contact with firms in New York State, especially small entrepreneurial companies, to determine their biotechnology interests and related business management and capital formation concerns. Organize workshops, meetings, and exhibits for small biotechnology firms and potential entrepreneurs in New York State. Serve as a member of the Cornell Extension System Statewide Economic Vitality Program Committee. Successful candidate will demonstrate ability to provide leadership in the planning, implementation and evaluation of innovative programs and applied research activities, and to work effectively with faculty, governmental officials, college administration, businesses and colleagues. Problem solving, team skills and administrative expertise is crucial.

Requirements: Masters degree (PhD preferred), in an appropriate discipline, i.e. biological or engineering science and eight years of relevant business or manufacturing experience which provides the knowledge, skills, and abilities to meet position expectations and outcomes. Salary: commensurate with qualifications. Apply by May 21, 1992.

**PA#13 Extension Associate
(Limited Resource Audience Programming)**

One-Year position
Location: Cornell University, Ithaca, NY

Work with the Human Ecology and 4-H Youth Development units to expand the Cornell Cooperative Extension response to programming with limited resource audiences. Engage faculty and staff in dialogue to identify a vision statement and then outline a program direction that integrates nutrition education, parenting education, resource management, and housing education. Work with faculty to develop proposals for funding, organize inservice education, and create appropriate resources to communicate with volunteers.

Minimum Qualifications: Master's degree in human ecology subject matter area or adult education. 4 yrs. of progressively responsible professional experience in working with limited resource audiences. Coursework in education, communications, community development, and program development desirable. Salary: Commensurate with qualifications. Send letter of intent, resume and transcripts to: Box 26, Kennedy Hall, Cornell University, Ithaca, NY 14853.

**Postdoctoral Associate
Food Science**

Posting Date: 4/16/92

A position is available as part of the extrusion research group in the Department of Food Science. Current research in the group involves development of a new process involving extrusion processing with supercritical fluids. Areas of research interest include two-phase flow phenomenon, process analysis and control and use of the extruder as a biochemical reactor. The individual should have developed expertise in one of the above areas. Anticipated starting date is May 1992 for at least a 1 yrs. period. Possibility exists for continued reappointment.

Salary: Commensurate with candidates qualifications.

For further information or to apply, send resume or contact: Dr. Steven Mulvaney, Department of Food Science, Cornell University, Stocking Hall, Ithaca, NY 14853.

CORNELL Employment News

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