

CORNELL Chronicle

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May flowers



Peter Morenus

Freshman Nina Rosenblatt studies her astronomy notes near the tulips outside Day Hall.

City panel says Cornell should pay its 'fair share'

After one year of meetings and public forums, the Cornell-City Relations Study Commission has concluded that Cornell "should be a more responsible member of the Ithaca community" by paying its "fair share" for city services and consulting the community prior to taking actions.

The commission was appointed in March 1990 by Mayor Benjamin Nichols to analyze the interactions between the university and the city. It did not include representatives of the university administration, though some key recommendations clearly would require Cornell policy decisions.

Commission members cited nine "major areas" of concern and made nine recommendations, beginning with a sixfold increase in the university's payment for fire services provided by the city.

This year, Cornell's contribution to the city for fire protection will be \$127,000, and annual increases are tied to the Consumer Price Index. The commission calls for \$770,000, or 20 percent of the Ithaca Fire Department's \$3.9 million budget.

Other fire departments receive another \$33,000 in contributions and tax payments for university property that is not used for educational or research purposes. For example, the portion of town of Ithaca taxes generated by Cornell properties and designated for fire protection in the last 12 months was \$22,846.

Cornell, like all tax-exempt institutions, is not required to pay property taxes for fire service. Unlike other tax-exempt institutions in Tompkins County, though, only Cornell makes regular, voluntary contributions for fire services, said David I. Stewart, director of community relations.

In a presentation to the commission last summer, Ithaca Fire Chief Ed Olmstead said his department does not have any special equipment needs because of the presence of Cornell and Ithaca College. He added the cost of responding to alarms and fires at tax-exempt institutions constitutes a small portion of the department's budget.

Other areas examined by the mayor's commission were Cornell's impact on local

business, employment, housing, neighborhoods and the environment.

While acknowledging that Cornell brings economic and cultural benefits to the city, the commission said the university creates financial and other burdens. Other commission recommendations include:

- Formation of a permanent Cornell-neighborhood commission.
- Creation of a permanent intermunicipal planning board to address the regional impact of development ideas proposed by Cornell and other institutions.
- Appointment of a neutral fact-finder to make recommendations concerning issues of wage equity at Cornell.
- A firm commitment by Cornell to adequately increase affordable student housing.
- Publication of written university procedures for investigating complaints about handling and disposal of toxic materials.
- Negotiation of a formal contract between Cornell and the city on issues such as payment for city services, student housing and parking.
- City support of Assemblyman Martin Luster's proposed bill on development impact fees as a way of reducing reliance on the property tax.
- Cooperation rather than competition by Cornell with local businesses.

University officials say they will review the report, although it will take some time to read the 153-page document.

Cornell cooperated with the commission by providing scores of documents and answering dozens of questions. Some of the university's responses are included in the commission's report. John F. Burness, then-vice president for university relations who now is at Duke University, made two presentations to the commission.

Nichols said last week that the commission's report forms the basis for "further discussions, negotiations and action. I have already seen some progress, partly because of [the existence of] this commission and the Downtown Visions Task Force."

Each member of the town-gown commission
Continued on page 8

Mozart festival calls on musicologist Neal Zaslaw for advice

Except for the long, silken banners that acclaim "Wolfgang" and "Amadeus," a pedestrian passing Lincoln Center on Manhattan's West Side might not grasp that this is the world headquarters, so to speak, of the Mozart-mania rocking the planet.

Two hundred years ago this December, Mozart died at the age of 35; and, in music capitals around the world, festivals are un-

der way to celebrate his genius. Here in Ithaca in the fall, the Music Department will present concertos, chamber music and church works by Mozart on 12 consecutive Saturday evenings.

Many of the smaller Mozart festivals will present the composer's famous works. Only in New York City will every single note that Mozart ever set to paper be played or sung, as the 11 companies that comprise Lincoln Center perform Mozart's 835 compositions. It will take 19 months and cost \$2.7 million.

"To play everything Mozart ever wrote is to ask, 'Who was Mozart?' And that's why Neal's here. He's here to tell us what it is we decided to do by playing all of Mozart's music," said Fiona Morgan Fein, program coordinator for the Mozart Bicentennial at Lincoln Center.

Neal is Neal Zaslaw, world-renowned Mozart specialist, author of a major volume on Mozart's symphonies and a member of the Cornell music faculty for 20 years.

Four years ago, when Lincoln Center was laying its plans for the bicentennial, its president, Nathan Leventhal, invited Zaslaw to be the link between the worlds of scholarship and performance.

"He was the best person for the job [of musicological adviser] because he had been a performer earlier in his career, he's writ-

ten extensively on Mozart, and he produced those Christopher Hogwood recordings on original instruments," said Fein.

Those Christopher Hogwood recordings were a prize-winning series of all 68 Mozart symphonies played on original instruments by the Academy of Ancient Music under Hogwood's direction for L'Oiseau-Lyre recordings. Zaslaw was musicol-

"To play everything Mozart ever wrote is to ask, 'Who was Mozart?' And that's why Neal's here. He's here to tell us what it is we decided to do by playing all of Mozart's music."

ogical adviser on the project from 1979 to 1985.

"That was a laboratory for a musicologist," Zaslaw said of the L'Oiseau-Lyre recordings. It's a thought he applies to Lincoln Center, too. "I thought of this as a fabulous new experiment to see whether what I do in academic life can be applied to the stage," said the 51-year-old scholar.

Zaslaw, who began his musical career in

1962 as a flutist in Leopold Stokowski's American Symphony Orchestra and played with the orchestra until 1965, retained his interest in performance when he turned to scholarship. So his duties at Lincoln Center and The Juilliard School (where he has been a member of the faculty for the past three years) range from administration, fund raising and interviewing to programming concerts and rehearsing pieces.

No two weeks are the same this year, Zaslaw said. (This happens to be his sabbatic year.) On Sunday, April 14, for instance, he flew to New York City to conduct a public interview of pianist Mitsuko Uchida as part of Lincoln Center's Off Stage series.

Unfortunately, Zaslaw sat in his studio apartment, a faculty suite in the Juilliard tower, for the first half of the program, and Uchida took questions from the audience. The normally punctual Zaslaw was unaware that the clock on his microwave oven had not been adjusted for daylight-saving time.

The grey-suited scholar seemed just a bit flustered when he finally took his seat on stage, but he casually admitted what happened — he didn't pretend to have been on a long-distance phone call or to have just arrived from California — and he proceeded to engage the lively, opinionated pi-

Continued on page 8



Doug Hicks

Professor Neal Zaslaw

BRIEFS

■ **Dance concert:** The Theatre Arts Department will be presenting a dance concert on May 2, 3 and 4, beginning at 7 p.m. in the Class of '56 Flexible Theatre in the Center for Theatre Arts.

■ **Husa in Prague:** Karel Husa, the Kappa Alpha Professor of Music, returned to his native Czechoslovakia in April to give a lecture and to conduct performances of his works and pieces by other composers. He conducted the Association of the Czechoslovak Artists, the Prague Chamber Soloists and the Suk Chamber Orchestra.

■ **Software:** The Latin American Studies Program has developed an instructional

software to be used in elementary and junior-high schools. Called "The Andean World," the program was written in Apple Hypercard software and holds text and illustrations describing Andean achievements and demonstrates stone-cutting techniques, among other features. The software was created by Professor Billie Jean Isbell and four members of a graduate seminar — Charles Brod, Trisha Thorne, Charles Wolfe and Elayne Zorn — and won honorable mention from MacWorld.

■ **Hydrant flushing:** The flushing of fire hydrants may cause drinking water to appear cloudy between Monday, May 6, and Friday, May 17, but it will be safe to drink.

Customer service will notify building supervisors of specific flushing schedules.

■ **Home buying:** A home-buying seminar covering choosing and inspecting a home, and legal and financial aspects of buying a home, will be held Wednesday, May 8, at 7 p.m. at the Cornell Cooperative Extension Education Center, 615 Willow Ave. For more information and to register for the free seminar, call 272-2292.

■ **Magazine honored:** The Cornell Political Forum, an undergraduate political publication, has been named winner of a Golden Crown award in a contest sponsored by the Columbia University Scholastic Press Association. The publication is one of only three nationwide to receive the award.

■ **Awards sought:** The Cornell Chronicle plans to publish information about faculty teaching awards and about awards presented to students in the May 23 issue. Information about awards and recipients should be sent to the Chronicle, 840 Hanshaw Road, by May 13.

■ **Cornell on TV:** The next "Community Report" television program, showing on Wednesday, May 8, at 7:30 p.m. and again on Tuesday, May 14, at 10:30 p.m. on Cable Channel 7, will feature Newfield's grade-schoolers learning storytelling, a look at television and society, and a profile of former Cornell star and current professional hockey player Joe Nieuwendyk.

■ **Emeriti meeting:** Retiring director of the Herbert F. Johnson Museum of Art, Thomas Leavitt, will speak to the Association of Cornell Emeritus Professors at its spring meeting on May 7, beginning at 2:30 p.m. in the sixth-floor conference room of the museum. His subject will be "Arts in America as Collateral Damage." Retired professors, academic staff and administrators and their spouses are invited. Call the dean of faculty's office at 255-4963 for more information.

■ **Stardust:** Hans Bethe, the John Wendell Anderson Professor Emeritus of Physics, will be featured in a Public Broadcasting Service series, "The Astronomer," exploring the mysteries of the universe on Mondays at 8 p.m. on WSKG-TV. The segment on May 13 will feature a segment on Bethe, who in 1938 theorized how it is that the power of stars derives from the transformation of matter into energy, work that earned him a Nobel Prize for physics.

■ **Museum prints:** The Johnson Museum has added several works by living American artists to its collection. Prints by Jennifer Bartlett, John Baldessari and Eric Fischl were added in 1989 and prints by Helen Frankenthaler, Yvonne Jacquette, Nija Celmins and Louisa Chase were added in 1990. The artworks were purchased with matching grants from the National Endowment for the Arts, alumnae Martha Merrifield Steen and her husband, Bill, and the President's Council of Cornell Women, with additional support from alumnae Phyllis Cohen.

Lecture marks CU-Israeli anniversary

Shibley Telhami, an associate professor of Near Eastern studies and government, will lecture on "Challenging Conventional Wisdom: Perceptions and Misperceptions of the Contemporary Middle East" on May 7 at 4:30 p.m. in Schwartz Auditorium, Rockefeller Hall.

His talk is part of the 10th anniversary celebration of the Shiloah Program, a reciprocal relationship between Cornell and the Tel Aviv University Shiloah Center.

The program provides visiting faculty from Shiloah to Cornell to teach on questions of contemporary policy in the Middle East, to advise students and to interact with members of the Cornell Community.

To date, 11 Tel Aviv teachers have visited Cornell, including scholars with expertise on Syria, Lebanon, Egypt and Saudi Arabia.

For the Shiloah center, the program provides a regularized connection to a major U.S. university, permitting more routine planning of research and study leaves to the United States.

The program is housed in the Department of Near Eastern Studies in the College of Arts and Sciences.

Telhami advised America's United Nations delegation during the Persian Gulf crisis. He is the author of a book on the Camp David accords, and he has had articles published recently by the Los Angeles Times and the New York Times. He has taught at Ohio State, Southern California, Princeton and elsewhere.

Assembly rescinds traffic-plan OK

The University Assembly voted April 24 to rescind its earlier approval of a campuswide traffic plan.

On April 10, the Assembly had voted to approve a modified version of a parking plan that was originally proposed by the Committee on Transportation Services. That plan limited parking-fee increases to 6 percent a year after the new rate structure took effect, and it continued free bus passes within Tompkins County and cash incentives for participating in car pools.

University administrators are reviewing the Assembly's April 24 rejection of the plan. Any new traffic plan will require the approval of President Frank H.T. Rhodes and the Board of Trustees.

Students honored for volunteer work

Seniors and graduate students will be honored Monday, May 6, for their volunteer activities with community agencies in Tompkins County.

Representatives of nearly 150 campus and community agencies also will be guests at the university's third annual Community Service Recognition Luncheon at the Sheraton Inn and Conference Center.

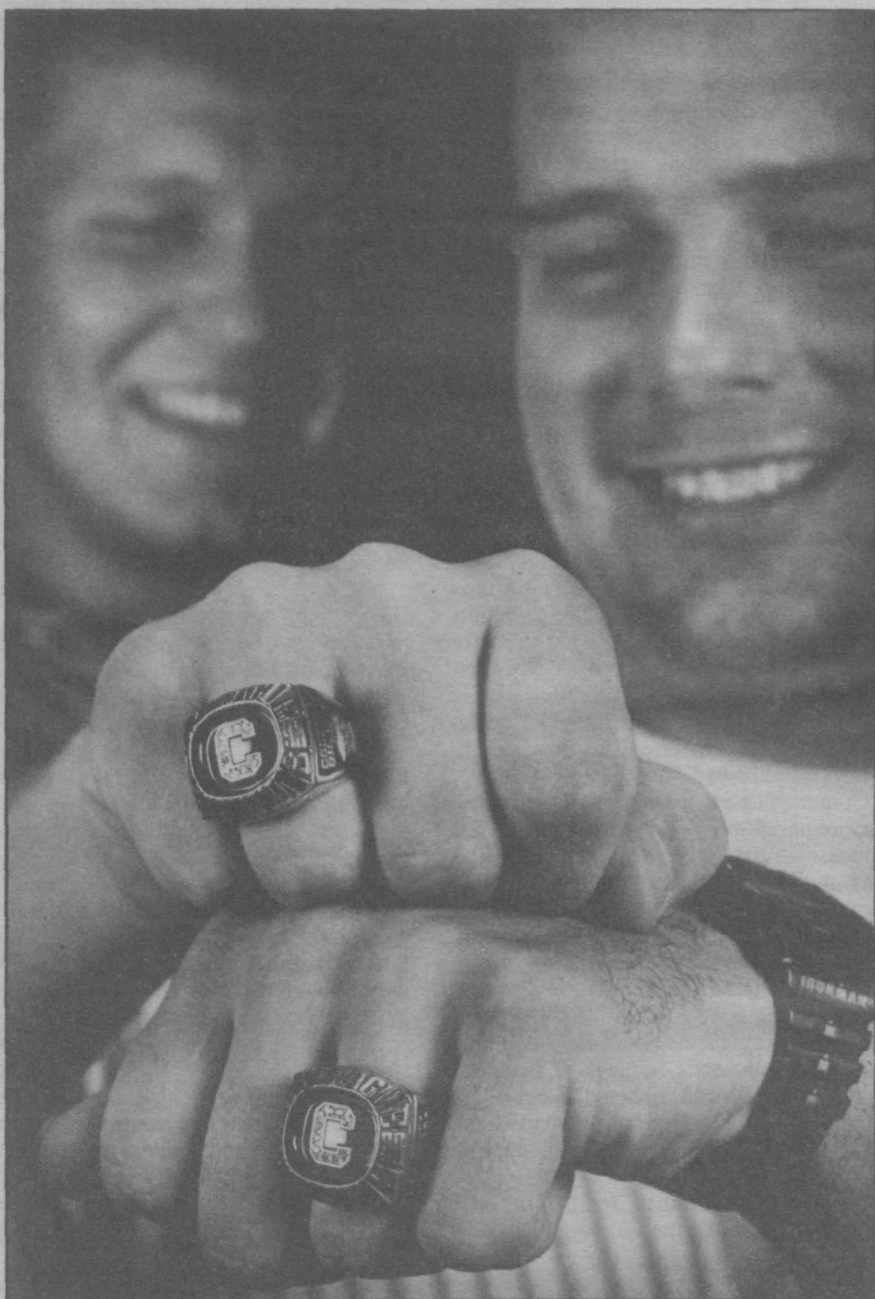
The 850 students invited to the luncheon "represent only a fraction of the Cornell students and organizations providing volunteer assistance to community agencies," said John C. Gutenberg, assistant director of community relations.

"Our students feed and shelter the homeless, care for the elderly, help elementary schools with their after-school programming and even designed and built a neighborhood playground this year," Gutenberg said. "We're proud that student community-service is making a difference throughout Ithaca and Tompkins County."

Cornell students and staff take many routes to voluntary community service, Gutenberg explained, citing the university's organized programs, such as CIVITAS, the Public Service Network, fraternities, sororities and other groups, as well as individual efforts.

Gutenberg said community agencies submitted the names of 850 Cornell seniors and graduate students to the university this spring so that they could be honored in the luncheon. About 200 people are expected to attend.

C is for champions



Chris Hildreth

Defensive end Eric Penttinen (left) of Wilmington, Mass., and center Greg Finnegan of Toledo, Ohio, show off their new Ivy League football championship rings during an April 27 barbecue at Alberding Field House.

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.

GRADUATE BULLETIN

May degree: May 17 is the deadline for completing requirements for a May degree.

Travel: Conference travel grant applications are due at the Graduate Fellowship and Financial Aid Office, Sage Graduate Center, by June 1 for July conferences. Application forms are available at graduate field offices. Grants for transportation are awarded to registered graduate students invited to present papers.

Student council: There will be a graduate student council meeting Monday, May 6, at 5:15 p.m. in The Henry, Sage Hall.

Reception: A commencement reception will be held for all graduate degree recipients, families and friends at The Henry, Sage Graduate Center, immediately following the May 26 commencement exercises.

Diplomas: Diplomas will be available at the reception for May 1991 degree recipients who completed requirements by mid-March (bring ID). Diplomas will be mailed for other recipients.

Low fat

Eat all you want and still lose weight without hunger pangs or depression

In the longest controlled human-feeding study ever undertaken, Cornell nutritionists have found that people on low-fat diets lose weight, even when they don't try to restrict calories or the amount of food they eat.

What's more, people on low-fat diets continue to lose weight for months without lowering intake, suffering hunger pangs, craving foods or becoming depressed.

In contrast, people on traditional low-calorie diets usually experience such problems, and their weight loss levels off.

In the 22-week study, 13 women whose average age was 34 were asked to eat a carefully controlled regular- or low-fat laboratory diet, and their food intake and weight loss were monitored. The scientists found that the women on low-fat diets steadily lost weight — about one-half pound per week.

David Levitsky, professor of nutrition and of psychology, published results of the study in the May issue of *The American Journal of Clinical Nutrition*. Co-authors are lecturer Anne Kendall-Casella and senior research associate and adjunct professor of psychology Barbara J. Strupp.

"Our studies confirm that people can lose weight without dieting," said Levitsky. "The weight loss is relatively slow, but it's persistent and should result in a 10 percent loss of body weight per year."

Previous studies have strongly suggested that when dieters reduce their carbohydrates, or substitute artificial sweeteners for sugar, they fully compensate for these calorie deficits by eating more from other food groups, Levitsky explained.

"In our studies on low-fat diets, though, there's no evidence that less fat in the diet results in a person feeling more hungry, having food cravings or compensating for the calorie deficit. Dieters can still eat ice cream, cookies and pizza — just low-fat versions," said Levitsky.

Many reduced-calorie foods now on the market do just that — reduce the amount of fat used and represent useful

products for low-fat diets, Levitsky said, as long as the label specifies that no more than 25 percent of the calories per serving come from fat.

Other studies have also suggested that when people cut carbohydrate consumption to reduce calorie intake, their metabolism slows down to compensate for the cutback — a result of the body's nutritional survival mechanism.

Such a lowered metabolism makes it not only more difficult to lose weight but may cause psychological depression. With the onset of such depression, many people give up their diets and then typically gain the lost weight back again.

"With low-fat diets, though, we don't see any evidence that metabolism changes. We suspect that metabolism regulatory mechanisms are related to carbohydrate consumption — not fat consumption," Levitsky said.

In the Cornell study, eight of the 13 female volunteers were asked to eat a "typical" diet with 37 percent of calories from fat — the average proportion Americans obtain from fats — for 11 weeks.

After a seven-week break, the women switched to the low-fat diet for another 11 weeks — with 25 percent of calories from fat, the level of fat recommended by many nutrition experts.

The other five volunteers began on the low-fat diet and later switched to the more typical, control diet.

All foods were prepared in a Cornell laboratory and breakfast and dinners were eaten there for the 22 weeks.

According to Levitsky, the study is by far the longest laboratory human-feeding study in which all food was monitored. The longest previous study, also done here, was just two weeks, Levitsky said, because long-term studies are labor-intensive and expensive to conduct. Also, researchers find it difficult to obtain volunteers willing to cooperate for such a long period of time.

Although men were not included in the study, Levitsky has no reason to believe that slightly overweight men would



Chris Hildreth

Lecturer Anne Kendall-Casella weighs ingredients in a test kitchen in Martha Van Rensselaer Hall.

respond any differently.

Next, Levitsky plans to conduct an even longer low-fat diet study to see how much weight a person can lose merely by eating low-fat foods.

He also plans to use a new test of urine or saliva to measure metabolic rate to explore his hypothesis that metabolism does not change with fat reductions in the diet.

The Cornell research was sponsored by the National Institutes of Health.

—Susan S. Lang

Taking 'risks' to illuminate class lectures

Cornell's faculty-researchers routinely face danger as they bring new scientific findings from the field to the classroom.

Paul W. Sherman risks bites of naked mole-rats each time he extricates the dagger-toothed rodents from their labyrinthine burrows. Thomas Eisner dodges the boiling-hot spray of bombardier beetles. Stephen T. Emlen encounters all manner of misbehaviors when he chronicles the soap-opera sex lives of Kenya's white-fronted bee-eaters.

And Thomas D. Seeley? He was lucky to escape the check-out lanes of P&C grocery store. But more about that later.

These four scientists are the team-teachers of Biological Sciences 221, a popular Neurobiology and Behavior course that fills Uris Auditorium each Monday, Wednesday and Friday at noon. Their animal-behavior course is about natural selection and selfish genes, cost-benefit analyses and cooperative breeding, reciprocity and kinship, eusociality and the surprisingly complex social systems some creatures have evolved to make their way in the world.

Bio. Sci. 221 students learn about the classic experiments that established the principles of animal behavior, some of which were conducted by the course lecturers, and also hear the latest discoveries, sometimes before they are reported in the scientific literature.

Seeley, the author of "Honeybee Ecology" and an associate professor whose research focuses on communication and decision-making among honeybees, was lecturing one recent Friday on insect societies. He was trying to illustrate the difference between "signals" and "cues" that insects use to figure out what's happening around them. A signal, he said, is a stimulus that contains information and has been shaped by natural selection specifically to convey information. A cue has less evolutionary development behind it, he noted, but can also convey information.

One example of a signal was in the Uris Hall Auditorium at that moment. "How many of you can smell a 'lemony' scent?" Seeley asked, and hands went up in the front third of the auditorium. At the beginning of the lecture he had uncapped a bottle



Peter Morenus

Professor Thomas D. Seeley at the grocery-store check out, where people use behavior cues similar to those employed by bees.

of citral, the alarm pheromone of the leaf-cutter ant. "If you were leaf-cutter ants, you would be milling around here with your pencils ready to stab," he said.

The biologist said he receives a cue about the time, without looking at the clock, whenever he talks beyond the 1:10 p.m. end of the class. He hears books closing, papers rattling and writing desks folding into place. "You don't make these noises to tell me that the class period is over, but they are effective in informing me that it is."

Then he related another example of a cue from his own research with honeybees. Biologists studying the behavior of bees have puzzled about how nectar-gathering bees know whether their colony needs more nectar. How do they pace their travels to and from the flowers? Seeley had spent hundreds of hours observing nectar-gatherers and the nectar-storage bees that meet the gatherers at the hive entrance and transfer nectar to the interior.

"The nectar-gatherers can tell by the length of time they have to wait to begin unloading to the food-storer bees," Seeley said as brightly colored photographs of honeybees appeared on the screen. "If they have to wait 20, 30 or 50 seconds, they know the colony's nectar-gathering rate is quite high. But if they have to wait only 10 to 20 seconds, they know that little food is coming into the hive."

Another slide flashed on the screen, dark and softly focused. "It's like the check-out lines at a grocery store," Seeley continued. "Just by looking at the lines you can tell if the store is likely to be crowded, and you might come back another time. Check-out lines are not built to convey information," he said. "They are not a signal, but they are a cue."

By then the class had discerned the murky slides: One showed check-out lines in the morning when few shoppers were there, and the other was taken later in a busy day. "I risked getting arrested to make these slides," Seeley said, and he displayed a copy of the Cornell Chronicle.

"Enriching the undergraduate experience takes extraordinary inspiration, dedication," the newspaper headline read.

"I don't know about inspiration, but I think I displayed dedication," Seeley said, telling how he learned that the P&C store where he made the pictures was engaged in a battle with local competitors. Store managers saw Seeley take the morning picture; when he returned, they thought they had captured a spy from Tops or Wegman's.

"They were not at first convinced by my explanation that I was taking pictures to illustrate the way a bee society works."

Hardly anyone gave the book-closing, paper-rattling cue that day.

—Roger Segelken

CU-in-space: Can you top Ezra's socks?

If you could launch aboard the space shuttle an object embodying the spirit of Cornell, what would you launch?

That's the question the Cornell News Service is asking in the "Cornell-in-Space" contest.

And thanks to astronaut and Cornell alumnus G. David Low, the winner will have the satisfaction of seeing that object lofted into space when Low flies aboard the space shuttle Atlantis, scheduled for launch July 25.

What's more, the winner will represent Cornell to receive the memento when Low returns it to the university.

As he did last year, Low has offered to fly mementos from the university and from its Sibley School of Mechanical and Aerospace Engineering aboard the Atlantis flight. Low is a 1980 graduate of the Sibley School. In January 1990, Low carried into space aboard the Columbia founder Ezra Cornell's 159-year-old wedding socks, 125 of the microscopic gold Cornell crests created by the National Nanofabrication Facility, a supercomputer circuit board for the Theory Center and a banner from the Sibley School.

Contestants should submit their suggestions for the Cornell shuttle memento to the Cornell News Service, Village Green, 840 Hanshaw Road. The envelope, which can be sent through campus mail, should be addressed to the Cornell-in-Space Contest.

Importantly, because of the short lead time before the flight, deadline for entries must be May 17.

NASA allows organizations to fly flags, banners, emblems, decals, seals, patches, medals and medallions on the shuttle.

It does not allow glass or other breakable objects, books, wood, large metal objects, or any other object that cannot be sealed in a plastic vacuum pouch.

NASA also disallows stamps, philatelic covers, charm bracelets, sports equipment, currency, signed original artwork or any other items with commercial value that might be enhanced by the trip to space.

The contest winner will be decided by a panel of Cornell faculty, to be announced later.

—Dennis Meredith

May 2, 1991
Chronicle

CALENDAR

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

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

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

DANCE

Cornell International Folkdancers

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

Review of dances taught in April and requests, May 5, 7:30 to 10:30 p.m., Senior Citizens Center, 213 S. Geneva St.

Global Dancing, grand review and party, May 7, 7:30 to 10 p.m., dance studio, Helen Newman Hall. For information, 273-0707.

Israeli Folkdancing

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

EXHIBITS

Johnson Art Museum

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

"Made to Remember: American Commemorative Quilts," an exhibition featuring 29 quilts from public and private collections throughout the United States, on view through June 9.

In conjunction with the quilt exhibition, a gallery talk will be presented by Cathy Rosa Klimaszewski, curator of the exhibition and assistant coordinator of education, today (May 2) at noon.

"Black Printmakers and the W.P.A.," an exhibition illuminating the aesthetic and technical contributions of black artists to the field of graphic arts, will be on view through May 15.

Near Eastern Studies

"The Children of Siwa Oasis," a show of photographs by Elizabeth Abeson and Josh K. Owen, co-sponsored by the Committee on Arabic and Islamic Studies, through May 3, (third-floor alcove) Rockefeller Hall. The photographs were taken by the artists on separate visits to the oasis in western Egypt in 1989.

FILMS

Films listed are sponsored by Cornell Cinema unless otherwise noted and are open to the public. All films are \$3.50 except weekend films (Friday and Saturday), which are \$4.50 (\$4 for students), and are held in Willard Straight Theatre except where noted. Cornell Cinema invites faculty, departments and student organizations to submit co-sponsorship proposals for fall 1991 screenings through May 7. Call 255-3522 for an application.

Thursday, 5/2

"Once Around" (1990), directed by Lasse Hallstrom, with Holly Hunter, Richard Dreyfuss, Gena Rowlands, Danny Aiello and Laura San Giacomo, 7:15 p.m.

"The Color of Honor" (1987), with guest film-maker Loni Ding, 7:30 p.m., free, Uris.

"Home Alone" (1990), directed by Chris Columbus, with Macaulay Culkin, Joe Pesci, Catherine O'Hara and John Heard, 9:45 p.m.

Friday, 5/3

"Once Around," 7 p.m., Uris.

"Lawrence of Arabia" (1962), directed by

David Lean, with Peter O'Toole, Omar Sharif and Anthony Quinn, 7:30 p.m.

"Children of Paradise" (1943-45), directed by Marcel Cartne, with Jean-Louis Bartaault and Arletty, 9:30 p.m., Uris.

"Home Alone," midnight.

Saturday, 5/4

"Home Alone," 2 p.m.

"Home Alone," 7 p.m.

"Children of Paradise," 6:30 p.m., Uris.

"Lawrence of Arabia," 9:30 p.m.

"Once Around," 10:20 p.m., Uris.

Sunday, 5/5

"Feminine Sexuality/Reproductive Freedom"; "Rape Story"; "A Bedtime Story"; and "Reproductive Histories Update," 2 p.m., Johnson Museum. Discussion will follow led by David Bathrick, theater arts.

"Lawrence of Arabia," 3 p.m.

"Home Alone," 7:30 p.m.

IFMAC Annual Screening, screening of films by the members of Independent Film-makers, free, 10 p.m.

Monday, 5/6

"Lawrence of Arabia," 7:30 p.m.

Tuesday, 5/7

"This is Spinal Tap" (1984), directed by Rob Reiner, with Christopher Guest, Micheal McKean and Rob Reiner, 7:15 p.m.

"Once Around," 9:30 p.m.

Wednesday, 5/8

"An American Werewolf in London" (1981), directed by John Landis, with David Naughton and Griffin Dunne, 7:10 p.m.

Thursday, 5/9

"Green Card" (1990), directed by Peter Weir, with Gerard Depardieu and Andie MacDowell, 7:15 p.m.

The Student Film Show, Part I, presentation of new films by Theatre Arts Department students, co-sponsored by theatre arts and Pentangle, 9:30 p.m.

"Hamlet" (1990), directed by Franco Zeffirelli, with Mel Gibson and Glenn Close, 9:45 p.m.

LECTURES

Center for Jewish Living

"Sports: Then And Now," Marty Glickman, sportscaster and former Olympian, May 2, 7 p.m., Kosher Dining Hall, Center for Jewish Living, 106 West Ave. Glickman was a member of the U.S. Olympic track team in 1936; co-holder with Jessie Owens, Ralph Metcalf and Frank Wyckoff of world's record 400-yard-relay set in London in 1936; and coach for sports announcers, including Sugar Ray Leonard. Glickman will receive The Masters in Excellence Award, given by the center to individuals who have brought new dimensions of excellence to their profession and demonstrated a high degree of responsibility to the community they serve.

Cornell Research Club

"Charles Darwin — Geologist," President Frank Rhodes, May 2, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Johnson Graduate School of Management

"Japan's Role in International Finance," Toyoo Gyohten, former Japanese vice minister of finance, May 3, 11 a.m., Bache Auditorium, Malott Hall.

Soviet & East European Studies

"Political Problems of Economic Transformation in Eastern Europe," Marton Tardos, finance committee chair, Hungarian Parliament, sponsored by the Einaudi Chair, May 2, 4 p.m., A.D.

Cinema features films by David Lean

Four movies by director David Lean will be shown by Cornell Cinema on Monday nights in May — "Lawrence of Arabia" (the restored version), "Great Expectations," "Ryan's Daughter" and "Summertime."

Lean, who is perhaps best-known for epics such as "Doctor Zhivago" and "Bridge on the River Kwai," also made intimate films such as "Brief Encounter" and "Great Expectations," and this mini-retrospective will look at both genres.

Among other highlights of the month are a visit by experimental documentarian Artavazd Peleshyan. The Soviet film-maker will be here Saturday, May 11, to present five of his short films in a two-hour program.

That same weekend, as the final film in its New Gay Cinema series, Cornell Cinema will present the Ithaca premiere of Todd Haynes' new movie "Poison," a feature film of three interwoven stories that deal with deviance, cultural conditioning and disease.

White House.

"The Current Literary Scene in Moscow," lecture/poetry reading in Russian, Oleg Chukhontsev, Russian poet, May 3, 4:30 p.m., 177 Goldwin Smith Hall.

"Gorbachev's Conservative Evolution: Cause and Prospects," Oleg Gubin Moscow State University, and visiting professor, Yale University, May 6, 4:30 p.m., G-08 Uris.

MUSIC

Department of Music

Spring Gamelan XIX, under the direction of George Torres, will perform May 2 at 8:15 p.m. in Barnes Hall. Though probably best known for their percussion instruments, hanging gong, gong chimes and drums found throughout Southeast Asia, the strong vocal tradition of Central Java has been an important part in the development of most gamelan music. Martin Hatch will accompany the ensemble.

Edward Murray will lead the Cornell Symphony Orchestra in a performance May 4 at 8:15 p.m. in Bailey Hall. The program will feature Beethoven's Symphony No. 8, Stravinsky's rarely performed "Orpheus," and Hindemith's Symphonic Metamorphoses, taken from four-hand piano pieces of Weber and transformed into orchestral music.

The Cornell Wind Ensemble and Chamber Winds, conducted by Mark Scatterday, will perform May 5 at 4 p.m. in Bailey Hall. The concert will include music ranging from Mozart to a premiere by David Brackett. Works by Bernstein, Rodrigo and Williams will also be performed.

Florilegium, a baroque music ensemble consisting of Elizabeth Field, violin; Steven Zohn, traverso; Geoffrey Burgess, oboe; Laura Kramer, cello; and Zvi Meniker, harpsichord, will perform May 5 at 8:15 p.m. in Barnes Hall. The concert will include Telemann's "Paris Quartet," a chamber concerto by Vivaldi, J.S. Bach's Quintet in D Major, Janitsch Quartet No. 1 in C Major, and a new composition by Brian Robison, "Blossoms of the Fabaceae."

Midi Madness Vi, featuring compositions by students using the Macintosh and synthesizers, will perform May 6 at 8:15 p.m. in Barnes Hall.

A student piano recital will be held May 7 at 8:15 p.m. in Barnes Hall.

Pianist David Feurzeig and friends in a student recital will perform "old music, new music and jazz," on May 8 at 8:15 p.m. in Barnes Hall.

Bound for Glory

Steve Key, songwriter, will perform in three live sets May 5 in the Commons Coffeehouse in Anabel Taylor Hall. Bound for Glory can be heard Sundays from 8 to 11 p.m. on WVBR-FM, 93.5.

Cornell Plantations

The Class of 1940 Concert Series will be held Friday, May 10, at 3 p.m. at the Houston Pond in the F.R. Newman Arboretum. Music will be provided by the Cornell Jazz Ensemble. Seating under a tent will be provided. In the event of heavy rain, the concert will be canceled.

Pamoja-Ni

A spring concert will be given by Pamoja-Ni, a gospel choir, on May 5, 6 to 8 p.m. in Robert Purcell Union.

RELIGION

Sage Chapel

The Rev. Peter J. Gomes, minister at Harvard Memorial Church, will deliver the sermon May 5. Gomes was the baccalaureate preacher for Cornell's 1986 commencement; was named by Time magazine in 1979 as one of the ten best preachers in America; and gave the sermon at the Washington Cathedral on the occasion of President Bush's inauguration. Service begins at 11 a.m. Music will be provided by the Sage Chapel choir under the direction of Donald R.M. Paterson. Sage is a non-sectarian chapel that fosters dialogue among the major faith traditions.

Baha'i

Weekly meetings on campus. Call 257-7971 for information.

Catholic

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

Christian Science

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

Episcopal (Anglican)

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

Friends (Quakers)

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

Jewish

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

Shabbat Services: Friday: Conservative Egalitarian, 6 p.m., Founders Room, Anabel Taylor Hall; Reform, 6 p.m., Anabel Taylor Chapel; Orthodox, Young Israel (call 272-5810 for time). Saturday: Orthodox, 9:15 a.m., One World Room, Anabel Taylor Hall; Conservative/Egalitarian, 9:45 a.m., Founders Room. Pesach Services: Thursday: Conservative/Egalitarian, 6:30 p.m., Edwards Room; Friday: Orthodox, 9 a.m., Edwards Room.

Korean Church

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

Muslim

Friday prayers, 1 p.m., Edwards Room, Anabel Taylor Hall; Friday discussion dinner, 7:30 p.m., 218 Anabel Taylor Hall; Sunday Qur'an Study, 12:30 p.m., 218 Anabel Taylor Hall.

Protestant Cooperative Ministry

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

Seventh-Day Adventist

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

Zen Buddhism

Zazen meditation every Tuesday at 7 p.m. and Thursday at 5:10 p.m. in Anabel Taylor Chapel. Beginner's instruction Thursdays at 4:30 p.m. in the chapel. For more information call Jon Warland at 272-0235.

SEMINARS

Anthropology

"Capitalist Plantations in Colonial Fiji: Law, Sex, 'Coolies' and the Colonial Imagination," John Kelly, Princeton University, May 3, 3:30 p.m., 366 McGraw Hall.

Applied Mathematics

"The K-Split Problem on Planar Graphs," David Hartvigsen, Northwestern University, May 3, 4 p.m., 322 Sage Hall.

Biochemistry

"Position Effect in *S. cerevisiae*," Dan Gottschling, University of Chicago, May 3, 4 p.m., Large Conference Room, Biotechnology Building.

Biophysics

"Immunoglobulins: Generalized Ligand Binders," Eduardo Padlan, National Institutes of Health, May 8, 4:30 p.m., 700 Clark Hall.

Biotechnology

"Biotechnology and Biosafety in the Philippines," Delores Ramirez, Institute of Plant Breeding, and dean, graduate school, University of the Philippines, Los Banos, May 2, 3 p.m., 101 Bradfield Hall.

Ceramics Program

"Ceramics Afternoon," co-sponsored by the materials science department and the Materials Science Center, will be held Friday, May 3, in B-11 Kimball. The theme is "Point Defects: Transport and Kinetics of Solid State Reactions." "Point Defects and Transport in Ionic Solids," Rudiger Dieckmann, materials science and engineering, 2:20 p.m.; "Spectroscopy at High Temperatures: Mossbauer and Optical Investigations of Diffusion and the Kinetics of

Solid State Reaction," Klaus Dieter, University of Hannover, Germany, 4 p.m.; "Degradation of Oxides in Oxygen Pressure Gradients," Manfred Martin, University of Hannover, 4 p.m.; "Zirconia: a Material Reacting With Platinum Oxygen Containing Gases," Jie Xue, materials science and engineering, 4:50 p.m.

Chemical Engineering

How to Go From Science to its Application: Michel Boudart, Stanford University, 4 p.m.; "Catalysis: A Case Study," Brian C. Smith Lecturer, May 2, 3:30 p.m., Corson/Mudd Hall.

Chemistry

From the n-Alkanes to Polyethylene: The Functionalization of Chain Molecules," Leo Mann, Florida State University, May 2, 4:40 p.m., 119 Baker Laboratory.
Sulfur Ylide Chemistry: Synthesis of Optically Active Epoxides," Tony Durst, May 6, 4 p.m., 119 Baker Laboratory.

Cognitive Studies

Godel and Godel's Theorem," George J. G. M.T.T., May 2, 4:30 p.m., 202 Uris Hall.

Cooperative Extension Forum

Perspectives on Statewide Program Committee II," Dan Decker, natural resources; Bob Decker, food science; Jeanne Hogarth, community economics and housing, May 6, 9 a.m., Corson/Mudd Hall.

Ecology & Systematics

Why Organisms are Important," F. Harvey Johnson, ecology and systematics, May 8, 4:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Environmental Communication

The Role of Values in Environmental Communication: a panel discussion, co-sponsored by the Center for Environmental Research, communication, and natural resources, May 3, 1:30 p.m., Corson/Mudd Hall.

Entomology

The Effect of Milk Production Level on the Survival of Calving to Conception: The Use of Survival Analysis," Jane Harman, veterinary medicine, May 3, 12:20 p.m., 141 Plant Science Building.

Statistics in Population Intervention Research," Jeff Sobal and Jean-Pierre Habicht, environmental sciences, May 6, 4 p.m., 100 Savage Hall.

Field Culture & Ornamental Horticulture

The Leaching of Turf Applied Pesticides," John Roth Borromeo, grad student, May 2, 4 p.m., 404 Plant Science Building.

Field & Vegetable Science

Field Response of Corn, Beans and Potato to Three Crop Intercropping System at Low Levels," Wilson Gondwe, fruit and vegetable science, May 2, 4:30 p.m., 404 Plant Science Building.

Geological Sciences

Evolution of Continental Crust: a Seismic Perspective," Walter Mooney, USGS Menlo Park, May 2, 4:30 p.m., 1120 Snee Hall.

Immunology

Regulatory Genes in Macrophage Differentiation," Andrew Yen, veterinary medicine, May 3, 12:25 p.m., auditorium, Boyce Thompson Institute.

International Nutrition

Health and Nutrition Problems of Africa: A Case Study at the Grassroots," Richard Oraccabon, University of Ghana, May 2, 12:15 p.m., 200 Savage Hall.

International Studies in Planning

Archaeology, Descent, Emergence: Japan and American Hegemony in the 20th Century," John Cummings, University of Chicago, May 2, 12:15 p.m., 115 Tjaden Hall.

Direct and Indirect Effects of Consumers on the Benthic Insect Assemblages in Andean Streams," Alex Flecker, entomology, May 2, 4 p.m., Morison Seminar Room, Corson/Mudd Hall.

Genes and Mate Choice in Hawaiian Drosophila," Dave Droney, Hobart and William Linsly Hall, May 9, 4 p.m., Morison Seminar Room, Corson/Mudd Hall.

Mechanical & Aerospace Engineering

Thermocapillary Flow Experiment Aboard the Space Shuttle Mission," Simon Oschwald, Case-Western Reserve University, co-sponsored by astronomy and space sciences, May 2, 4:30 p.m., 107 Upson.

Microbiology

"Role of Adhesion in the Degradation of Plant Cell Walls by Microorganisms," Cecil Forsberg, University of Guelph, May 2, 4 p.m., Conference Room, Biotechnology Building.

"Isotypic Analysis of the Murine Antibody Response to Brucella Abortus Lipopolysaccharide," Philip Elzer, veterinary medicine, May 6, 12:15 p.m., G-3 Vet Research Tower.

Neurobiology & Behavior

"Synapses, Circuits and the Control of Flight Behavior in the Locust," R. Mel Robertson, May 2, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Ornithology

"The Role of Amateurs in Ornithology," Rick Bonney, May 6, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

Peace Studies

"Eastern Europe's Transition to Democracy: Implications for European Security," Craig Nation, Duke University, May 2, 12:15 p.m., G-08 Uris Hall.

Pharmacology

"Cloning and Expression of the Epithelial Na/H Exchanger," Mark Donowitz, The Johns Hopkins University School of Medicine," May 6, 4:30 p.m., G-3 Vet Research Tower.

Physiology & Anatomy

"The Effect of Retina Derived Factors on the Electrical and Ultrastructural Properties of the Pigment Epithelium," Eugene Pautler, Colorado State University, May 7, 4:30 p.m., G-3 Vet Research Tower.

Psychology

"Affective and Linguistic Functions of Intonation in Mother's Speech to Infants," Anne Fernald, Stanford, May 3, 3:30 p.m., 202 Uris Hall.

Science, Technology & Society

"Basic Research for the 1990s," Daryl Chubin, Office of Technology Assessment, May 6, 12:15 p.m., 609 Clark Hall.

"The Politics of Nuclear Energy," Terry Price, former secretary general, Uranium Institute, and author of "Political Electricity," co-sponsored by peace studies, May 7, noon, G08 Uris Hall.

Southeast Asia Program

"Print Culture in Vietnam in the Colonial Era," Shawn McHale, grad student, May 2, 12:20 p.m., 102 West Ave. Ext.

Stability, Transition & Turbulence

"Fluid Mechanics and Stability of Plannar-Flow Processing of Metals: Modeling and Experiment," Paul Steen, ChemE, May 7, 12:30 p.m., 288 Grumman Hall.

Theoretical & Applied Mechanics

"Shape Design Sensitivity Analysis by the Boundary Element," Q. Zhang, Penn State, May 8, 4:30 p.m., 205 Thurston Hall.

Toxicology

Title to be announced, Susanna Lee, grad student, May 3, 12:20 p.m., 14 Fernow Hall.

Western Societies Program

"Economic Restructuring and Reform: The Case of Czechoslovakia," Jiri Marek, Czech Ministry of Finance, May 3, 12:15 p.m., 153 Uris Hall.

SPORTS

Home contests only

Friday, 5/3

Men's Tennis, Harvard, 3 p.m.

Friday, 5/3-Saturday, 5/4

Golf, Cornell-Oak Hill Invitational

Saturday, 5/4

Women's Crew, Dartmouth and Mt. Holyoke
Baseball, Dartmouth (2), noon
Men's Tennis, Dartmouth, noon

Sunday, 5/5

Baseball, Harvard (2), noon

Tuesday, 5/7

Baseball, Cortland, 3:30 p.m.

SYMPOSIUMS

Cognitive Studies Workshop

A cognitive studies workshop will be held



Patricia Reynolds

Whitney Rothschild and Craig MacDonald perform in "Noises Off," a farce about farce, presented by the Department of Theatre Arts on May 2, 3 and 4 at 8 p.m. in the Center for Theatre Arts' Proscenium Theater.

May 6 from 10 a.m. to 3:30 p.m. in the Miller-Heller House, 122 Eddy Street. To preregister call Bev Scofield at 255-6431. Participants include Paul Braren, Paul Iverson, James Beale, psychology; Scott Johnson and Katherine Boser, HDFS; Claire Foley, Raul Elias-Cintrón, Edward J. Rubin and Almeida J. Toribio, linguistics; Shyam Kapur, Jennifer Turney and Scott B. Hunter, computer science; and Joe Moore and Rob Wilson, philosophy.

English

"Texts and Pre-Texts," a conference honoring Stephen Maxfield Parrish on May 4, Kaufmann Auditorium, Goldwin Smith Hall. The morning session, 10 a.m. to noon, with opening remarks by M.H. Abrams; "Stephen Parrish, Master Editor," James Averill, The Wellington Fund, Philadelphia; "Textual Whigories: Inverse, Perverse and Wordsworth's Verse," Jack Stillinger, University of Illinois; a panel discussion with participants Eric Birdsall, James Butler, Jared Curtis, Beth Darlington, Bruce Graver and Mark Reed; and summary and reply by Stephen Parrish. The afternoon session, 2 p.m. to 4:30 p.m., with opening remarks by Paul Betz, Georgetown University; "Stephen Parrish, Critic," Stephen Gill, Oxford University; "The Freud Concordances: Tracking Metaphors of Mind," Stephen Parrish; "Which Prelude? and Similar Puzzles," Jonathan Wordsworth, Oxford University.

THEATER

Department of Theatre Arts

"Noises Off" will be presented May 2, 3 and 4 at 8 p.m. in the Center for Theater Arts' Proscenium Theatre. The play is a farce about farce; the first act a pastiche of traditional farce, the second act a contemporary variant on the formula, the third act an elaborate undermining. The cast includes Tony Freeman, Craig MacDonald, Denise Balthrop and Carlton Miller, resident professional theatre associates; Whitney Rothschild, Kirsten Blau and Eric Rauchway, undergraduates; and local artists Brent Harris and Sydney Smith. Ron Wilson, associate professor of theatre, directs the production. Tickets are \$4 to \$7 and are available by calling the Center for Theatre Arts box office at 254-2787.

Risley Theater

"Merchant of Venice" will be performed at

Risley Theater on May 2 through May 4 and May 9 through May 11 at 8 p.m. Matinee performances will be held May 5 and 12 at 2:30 p.m. Tickets are available at Willard Straight box office, Rebop Records and Ithaca Compact Disk.

MISC.

Cornell Ju-Jitsu Kai

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

Personal Education Workshops

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

T'ai Chi Chuan

Ancient Chinese exercise for health, relaxation, meditation and self-defense, Mondays and Thursdays from 5 to 6 p.m., Edwards Room, Anabel Taylor Hall. Wear loose, comfortable clothing and soft, flat shoes. Register at first class. Sponsored by CRESP. For information, call Kati Hanna at 272-3972 or 255-6486.

Writing Workshop

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

Double take



1925 Book of Views



Peter Morenus

T-squares, triangles and drafting boards are constants in the drafting laboratories of yesterday and today. However, this new lab in Kennedy Hall is flooded with a designer's best friend, plenty of natural light.

Rhodes: Founders' ideals are more important today

The idealism on which Cornell was formed needs to be even greater today than it was in 1865, when Ezra Cornell's incredible vision of founding "an institution where any person can find instruction in any study" was legally endorsed.

President Frank H.T. Rhodes elaborated on this point during an address to more than 350 alumni gathered in Alice Statler Auditorium April 24 to celebrate the university's 125th anniversary.

"Our founders began with ideals that are even more powerful today than they were then — ideals of discovery, leadership and service. These ideals permeate life at Cornell," Rhodes said. And as important as those values have been to Cornell's success, they are "even more vital to the future that — together — is ours to create," the president added.

Rhodes' insights gave hopeful credence to the seemingly unfettered idealism expressed by one of the students interviewed in the highlight of the event, the premiere showing of a new Cornell film titled "Creating the Future."

Engineering student Ben Erlick states without reservation that when he graduates in 1992, he intends to "rid the world of waste."

Unlike Ezra Cornell, he will not have \$500,000 cash on the barrel to back up his vision. But he will go forth armed with a dual major in engineering and philosophy.

"After I graduate from Cornell, I'm going to get a master's in engineering, and then an M.B.A., and with all my experience in ethics as a philosophy major, and with environmental engineering, I'm going to become an ethical environmental engineer, and I'm going to clean up the world," he said in a tone that was serious but not totally naive.

It was a promise that was heard around the world, as several thousand alumni viewed the film in some 50 cities from Nairobi, Japan and Australia to Turkey, Argentina, England, France and across the United States as part of the 125th-anniversary celebration.

bration.

In addition to Erlick, who is from Arizona, the other students interviewed in the film are:

- Kirsta Leeburg, a sophomore in government from Southerland Springs, Texas, who claims she likes Ithaca's weather and says: "I'm very interested in politics, environmental law, marine biology, just about everything you can think about."

- Eddie Manning, a sophomore from Philadelphia who lives in Ujamaa with "one roommate, three snakes, two fish, a crayfish and a cockateel," and he says that "after graduation, I'm planning to go to vet school and get my Ph.D. in veterinary medicine and possibly teach as part of my profession."

- Charleen King, a senior in anthropology from Arlington, Va., whose goal is to work in international development and who concludes the film by stating, as she walks toward the Big Red Barn:

"My experiences here at Cornell have made me so attached to the university. I'm going to be very sorry to leave. . . . [But] the four years you've spent here has been to prepare you to enter the real world, to go out and act upon what Cornell has taught you."

The 50 alumni who attended the 125th celebration in Paris were particularly taken by the scenes of the Ithaca campus as they watched the film, according to Alain Seznec, the Carl A. Kroch University Librarian who was present there as guest speaker at what he described as a "joyful event."

During his talk in Statler Auditorium, Rhodes said that although the physical appearance of the campus today "bears little resemblance to Ezra Cornell's farm" and that although the "scope of studies is far greater" than either Ezra Cornell or Andrew D. White could have conceived, "the defining characteristics of Cornell continue to this day and give a strong base upon which to build."

— Martin B. Stiles

Posters provide clues to Hungary's move away from socialism

A couple years ago, when political posters were plastered on the walls and kiosks of central Budapest, one particularly sardonic poster showed the back of the neck of a man, unmistakably a Soviet soldier in uniform.

He might have been standing at attention at an officially-sanctioned event, like a May Day parade. At any event, seen from behind he was just a thick fold of pink flesh between a green collar and hat — a nameless, faceless oaf carrying a gun.

"Comrades" was written above the unflattering portrait, and scrawled below, as if graffiti, were the words, "The end!" — meaning, "Scram, beat it, you're out!"

"In the old days, Russian soldiers were portrayed as slim, trim, fair-haired lads. Here the soldier's thick-necked, decadent and corrupt," said David Stark, associate professor of sociology and an expert on current-day Hungary.

"Budapest has the best graphic artists in Eastern Europe. This poster, for instance, was one of the most popular political posters of 1990. It was also copied in the Baltic republics of the Soviet Union in 1991," said Stark, who collected the campaign posters in 1989 and 1990 as part of an archive on Hungary's transition from state socialism to capitalism, or whatever else follows.

'What these posters do is clear the old political symbols out of the way to make room for new ones, to make room for the new politics of electoral competition.'

"Actually, the transition from state socialism didn't take place in 1989. All we've seen so far is the exit from the old order. The full transformation in politics will take a decade or two at the least," Stark said.

Another popular poster of 1989 showed a metal garbage can filled with Communist paraphernalia: A picture of Lenin, a bust of Stalin, Mao Tse Tung's little red books, the writings of Kim Il Sung, a copy of Pravda and a scrap of the Hungarian Communist Party newspaper were all dumped in the dustbin of history during a countrywide spring house-cleaning.

"What these posters do is clear the old political symbols out of the way to make room for new ones, to make room for the new politics of electoral competition," Stark said.

The posters will be on display on the ground floor and basement of Olin Library through tomorrow, May 3.

They are the most visible part of a vast research project Stark and Hungarian colleague Laszlo Brunst undertook to

record the transformation of Hungarian society. Their project has another aim, too: to enable scholars to compare the paths from state socialism of the various Eastern bloc countries.

"In the long run, we're interested in knowing whether East Europe's transformation was all of a piece or whether there were significant differences in kind. For instance, the revolutions in Czechoslovakia and East Germany were most capitalistic as compared with Poland, where agreements were negotiated to salvage power for the Communists," said Stark.

"This is really a laboratory for testing the major competing theories in social science — liberal democracy and economics, civil rights and governmental institutions, just what markets are and whether government regulations are needed to ensure good markets. It's more than just the old socialist question of redistribution."

Stark and Brunst interviewed hundreds of people — virtually all the important figures in the eight opposition parties that contended for election in March 1990 and all the outgoing Communist Party members, including the Politburo, presidium and various ministers.

They made transcripts of the four months of round-table talks between the government and the opposition, involving questions about the Hungarian constitution, police and military forces, freedom of the press, political representation and parliamentary procedures.

They also collected the journals of key participants, minutes of strategy sessions, newspaper accounts of the round-table talks, public-opinion polls and videotapes.

"It's not trivial to see the changes in the bearing and identities of these people as they learn the rules of the political game," Stark said, commenting on the value of the videotapes. "You see changes in their bearing, their dress, their way of speaking as they are transformed from Communist Party bureaucrats and dissident academicians into political characters."

Political parties arose in Hungary from decade-old dissident groupings, Stark said. One, for instance, was headed by urban academic economists and sociologists, another by populist writers, novelists and historians. The Hungarian Democratic Party, which won a majority of seats in Parliament in the March 1990 election, is a centrist party.

Hungary presents an interesting case among all the countries of Eastern Europe because it had political parties well before Czechoslovakia did, Stark said. In Czechoslovakia, Civic Forum became a nationwide movement, but it was not a political party. Similarly, in Poland Solidarity began as a trade union and became a nationwide movement, but it is not a political party, either, Stark said.

When the Hungarian archival data are all collected, iden-



A 1989 campaign poster of the Hungarian Democratic Party, portraying a Soviet soldier as an oaf.

tical copies will be deposited with the Hungarian National Archives and Cornell's Department of Manuscripts and University Archives. Cornell's collection will be part of a larger archive on changes in East Europe.

"At this point we don't know what Hungary will evolve into — whether it will be democratic or not. But I'm optimistic. Things seem to be doing well there," Stark said.

Stark and Brunst, who is visiting Cornell this semester, conducted their work with a grant from the National Science Foundation.

— Carole Stone

'Soccer-ball' molecule is far stiffer than diamond

Theoretical calculations by scientists at IBM Corp. and Cornell have shown that the soccer-ball-shaped carbon compound known as buckminsterfullerene is far stiffer than diamond, currently the hardest known substance.

Nicknamed "buckyballs," the 60-carbon-atom compound has generated enormous interest among researchers. Besides the intrinsic interest in the properties of the new substance, they foresee the possibility of a new class of materials that could have applications in electronics or as the basis for structural materials or lubricants. Buckminsterfullerene is named for the late architect Buckminster Fuller, who invented the geodesic dome, which has an identical structure of connected hexagons and pentagons.

The IBM-Cornell calculations suggest that the material's remarkable resistance to compression could play a role in those applications.

In an article in the April 25 issue of *Nature*, the father-son team of Arthur and Rodney Ruoff describe their calculations showing that the individual buckyball molecule could prove more than twice as resistant to pressure as the corresponding single diamond structure. A crystal of many buckyball molecules, they calculated, could prove 50 percent more resistant to compression than diamond.

Rodney Ruoff is a postdoctoral fellow at IBM's Thomas J. Watson Research Center in Yorktown Heights, N.Y., and his father, Arthur, is a professor of materials science and engineering and director of the Cornell Ceramics Program.

The two scientists based their calculation, called a "con-

tinuum elasticity approach," on the known resistance of another carbon compound, graphite, to tensile stretching. Graphite, whose structure consists of stacks of flat layers, is the other form of pure carbon compound besides diamond, carbon black and buckminsterfullerene.

Once the scientists calculated the resistance to strain of a single layer of graphite, they calculated the resistance to stretching of that same layer if it were wrapped into a buckyball-like sphere. This resistance to stretching is functionally equivalent to the same molecule's resistance to compression.

The resulting incompressibility was about twice that of the diamond structure, they found. However, said the Ruoffs, a crystal of many molecules of buckminsterfullerene would be only about 50 percent harder than diamond. The crystal, like a pile of soccer balls, would have empty spaces in the crannies between the molecules, which would reduce the stiffness of the crystalline material.

In fact, because the individual molecules in the crystal would not touch if the crystal were not under pressure, the crystal would be easily compressible until the molecules were squeezed together by moderate pressure. Once this "mushiness" was squeezed out, however, and the individual molecules were touching, the crystal would resist further compression far more than would diamond.

The Ruoffs are now exploring still another way to calculate how incompressible buckyballs might be. The second technique involves calculating the stiffness of the individual

carbon-carbon chemical bonds in the molecule and extrapolating to the entire molecule.

While the Ruoffs are reluctant to speculate on specific applications of buckminsterfullerene, Arthur Ruoff said that the properties of the buckyballs could hint at new realms of materials.

"The fact that we've found one material harder than diamond means that we will probably find others," he said.

Rodney Ruoff also pointed out that buckyball-type molecules could be made even stiffer by "reinforcing" them with an atom such as xenon added to the interior of their spherical structure.

"Preliminary calculations show that if a xenon atom was incorporated in the C-60 [60-carbon] molecule, the C-60 would be many, many times stiffer, at moderate pressures, than a C-60 without the xenon atom inside," he said.

The scientists said that experimental studies on the compressibility of buckyballs are being carried out by Steve Duclos of AT&T's Bell Laboratories and Keith Bristle at the Cornell High Energy Synchrotron Source. Buckyballs, first made in quantity by Donald Huffman of the University of Arizona, were the subject of a major symposium at the American Physical Society meeting in Cincinnati in March. The Ruoffs were first motivated to do their calculations by that symposium.

Rodney Ruoff's research is supported by IBM; Arthur Ruoff's research is supported by the Department of Energy.

—Dennis Meredith

Scientists find pressures that transform diamond into metal

By squeezing tiny diamonds to pressures 4 million times greater than atmospheric pressure, Cornell scientists have gathered data revealing for the first time the ultimate pressures to which diamond may be squeezed before transforming into a metal.

That ultimate pressure, about 9 million atmospheres, will mark the upper limit of static ultrahigh pressure research, because diamonds are the only known substance hard enough to form the chambers for squeezing substances to ultrahigh pressures.

As the diamond transforms into a metal, it will become opaque to light used to probe the structures of pressurized samples. More importantly, however, the metallized diamond will lose its inherent strength.

Researchers can achieve instantaneous pressures far higher — up to 100 million atmospheres — in shock experiments using special gas cannons or nuclear explosions. However, the fleeting nature of those experiments does not allow study of the structure of the compressed substances.

Professor of Materials Science and Engineering Arthur Ruoff and Assistant Professor of Materials Science and Engineering Yogesh Vohra reported their findings in the May 1 *Journal of Applied Physics*.

The researchers used a "diamond anvil cell," which typically consists of a pair of brilliant-cut diamonds chosen for their crystal perfection, each with a minuscule flat area polished off its tip. The tip used in this study was 20 microns in diameter, about one-fourth the diameter of a human hair.

The diamonds are mounted tip-to-tip, and a tiny steel gasket with a hole drilled in the middle is placed between them. The substance to be studied is added to the hole, and the diamonds are mounted within a powerful vice and clamped together.

"Metallization will represent the end of the game as far as diamond anvils go," said Ruoff. "When diamond becomes a metal, the bonding electrons within the crystal are 'delocalized,' that is, they can move throughout the crystal; delocalization

means that the crystal becomes far weaker.

"Nobody has ideas at this point for making useful substances substantially harder than diamond at atmospheric pressures," he added.

"However, it is conceivable that an inner stage of a diamond anvil cell could be an 'intensifier' of a crystal of buckminsterfullerene," he speculated. (See article above.)

The substance to be subjected to ultrahigh pressures would be encased in the buckminsterfullerene, he explained.

The limit on ultrahigh pressure studies is particularly unfortunate, said Ruoff, because at higher pressures, scientists could study the behavior of the core electrons of atoms under pressure. Such studies would yield new insights into the nature of materials.

In their latest studies, Ruoff and Vohra subjected two kinds of diamonds to ultrahigh pressures. Natural diamonds with nitrogen impurities were stressed to 4.05 megabars (4.05 million times atmospheric pressure). Also, relatively pure natural diamonds were subjected to 1.67 megabars.

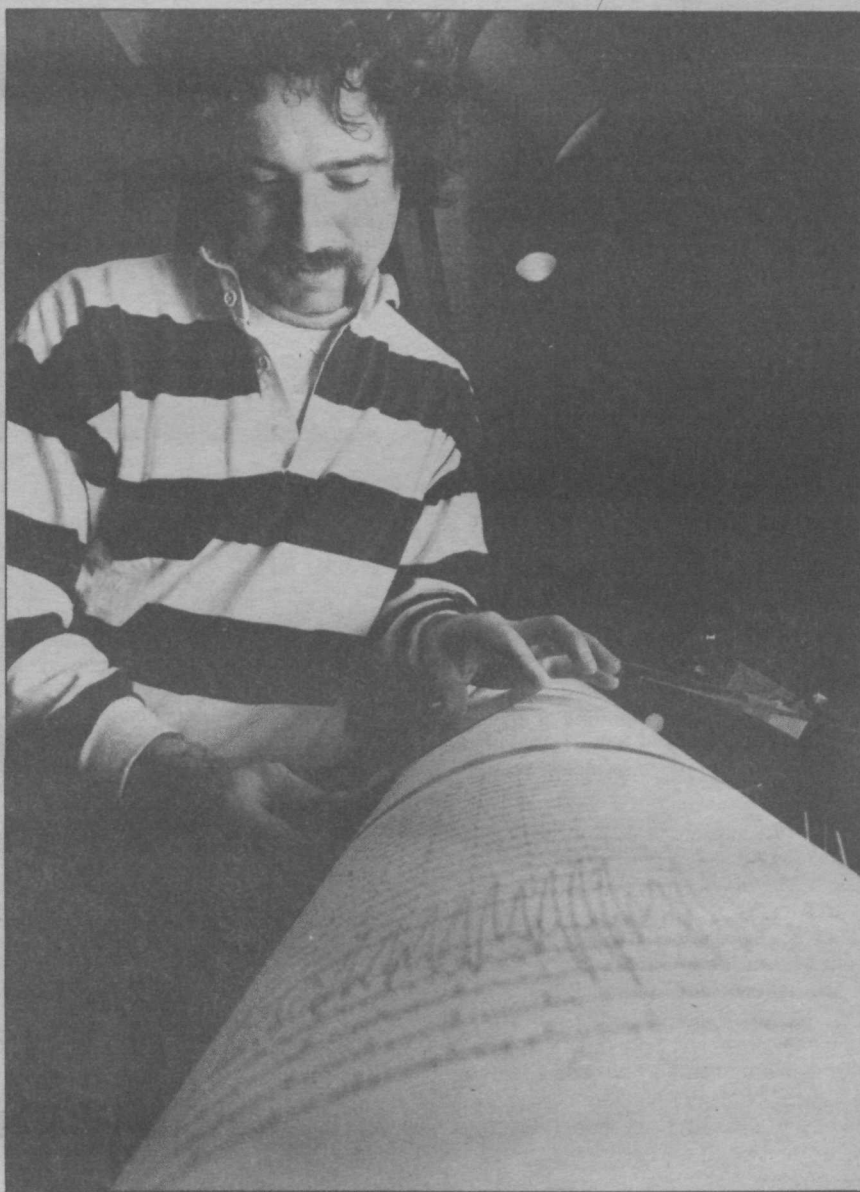
The researchers could study the optical characteristics of the squeezed diamonds by placing tiny samples of metal in the sample chamber and using the metals as mirrors to reflect light shone into the diamonds.

As diamond under pressure begins to alter its structure toward a metal, it would be expected to transmit less and less light. By extrapolating the observed light absorption to that expected at higher pressures, the scientists could determine the point at which diamond would transform into a metal. They calculated that diamond would become a metal at pressures of 9.1 megabars.

Ultrahigh pressure studies allow researchers to study forms of solids that do not exist at normal pressures. Such studies yield better theories of chemical bonds and the behavior of electrons in solids. Ultrahigh pressure studies also offer scientists insights into the structure of the Earth and other planets.

—Dennis Meredith

Rumble readings



Peter Morenus

Dean Whitman, a graduate student in geology, looks over a seismograph in Snee Hall. He is examining the recordings on campus of an April 29 earthquake in the Soviet Union.

Dropping milk prices could cost dairy farmers \$250 million

The plummeting of milk prices paid to dairy farmers nationwide may cost New York dairy farms up to \$250 million and drive up to 1,000 farms — 10 percent of the state's total — out of business in the next 18 months, according to calculations by a Cornell economist.

Senior Extension Associate Stuart Smith said that the financial blow to farmers will reverberate throughout the state's rural economy, and many farmers and agricultural leaders need to recognize and prepare for its severity. Cornell economists say they expect the farmers' economic problems to last until at least the end of next year.

To help dairy farmers weather this crisis, Cornell Cooperative Extension has been offering information, workshops and personal help.

Forecasters predict that this year's farm-milk receipts will be at their lowest level since 1979. This will result in a 35 percent to 40 percent loss in net farm income on New York dairy farms, says Smith.

"Our data show that it will be very difficult for dairy farmers to get any return for their resources when the price of milk is down this low," says Smith, a farm management specialist in the Department of Agricultural Economics at Cornell. "Many farmers will have great difficulty just breaking even."

The College of Agriculture and Life Sciences and Cornell Cooperative Extension agents offer specialized help in coping with the dairy crisis, including:

- PRO-DAIRY courses and workshops to help farmers manage more effectively. Sessions focus on management-control

clinics, dairy-records management and managing with finances as well as on forage management, feeding management, milk quality and general management.

- A set of Dairy Crisis Management Fact Sheets have been sent to many of the state's dairy farmers and are available on request by contacting professors Wayne Knoblauch, Department of Agricultural Economics, 418 Warren Hall, 255-1599, or Larry Chase, Department of Animal Science, 272 Morrison Hall, 255-2196.

- New York FarmNet, a toll-free telephone service to provide confidential information and referrals to farmers, their families and their employees. Counselors have been trained to provide help with financial problems, legal concerns and job options. Call FarmNet's toll-free phone line: (800) 547-FARM, Monday through Friday be-

tween 10 a.m. and 5 p.m.

These services have been mobilized because the drop in farm-milk prices has been sudden and severe. In just the first two months of 1991, farm-milk prices in the New York-New Jersey federal milk marketing order area fell about 25 percent. First quarter farm-milk receipts, which are usually the year's best in the Northeast, are expected to be 26 percent below last year's prices.

Although Stuart and other Cornell agricultural economists predict that the price of milk will stabilize soon, they estimate that 1991's average farm-milk price in the New York-New Jersey markets will be \$11.01, compared with 1990's \$13.42 average price, and that the financial squeeze won't ease up until late 1991 or 1992.

—Susan S. Lang

Insurance rates for students to rise 10.3%

Next year's health-insurance premiums will rise by 10.3 percent for students and 12.5 percent for students' spouses and children.

"These are significant increases, and we have some plans to ease the burden on students," said Leonard Nissenson, senior administrator of University Health Services. "But the good news is that our increases are again well below national rates."

The 1991-92 plan has been approved by the Board on University Health, and discussions about the program began as early as last fall with student groups. Details will be presented today, May 2, to the Cornell Student Assembly and May 6 to the Graduate Student Council. Some highlights are:

- Individual students, who now pay \$390 for nine months' coverage, will pay \$430 in 1991-92.
- For spouses of students enrolled in the on-site Gannett prepaid health plan, cost of coverage will rise from \$736 to \$828.
- For spouses of students not enrolled, the cost will rise from \$1,170 to \$1,316.
- Cost for one or more children of plan-enrolled students will increase from \$447 to \$503.

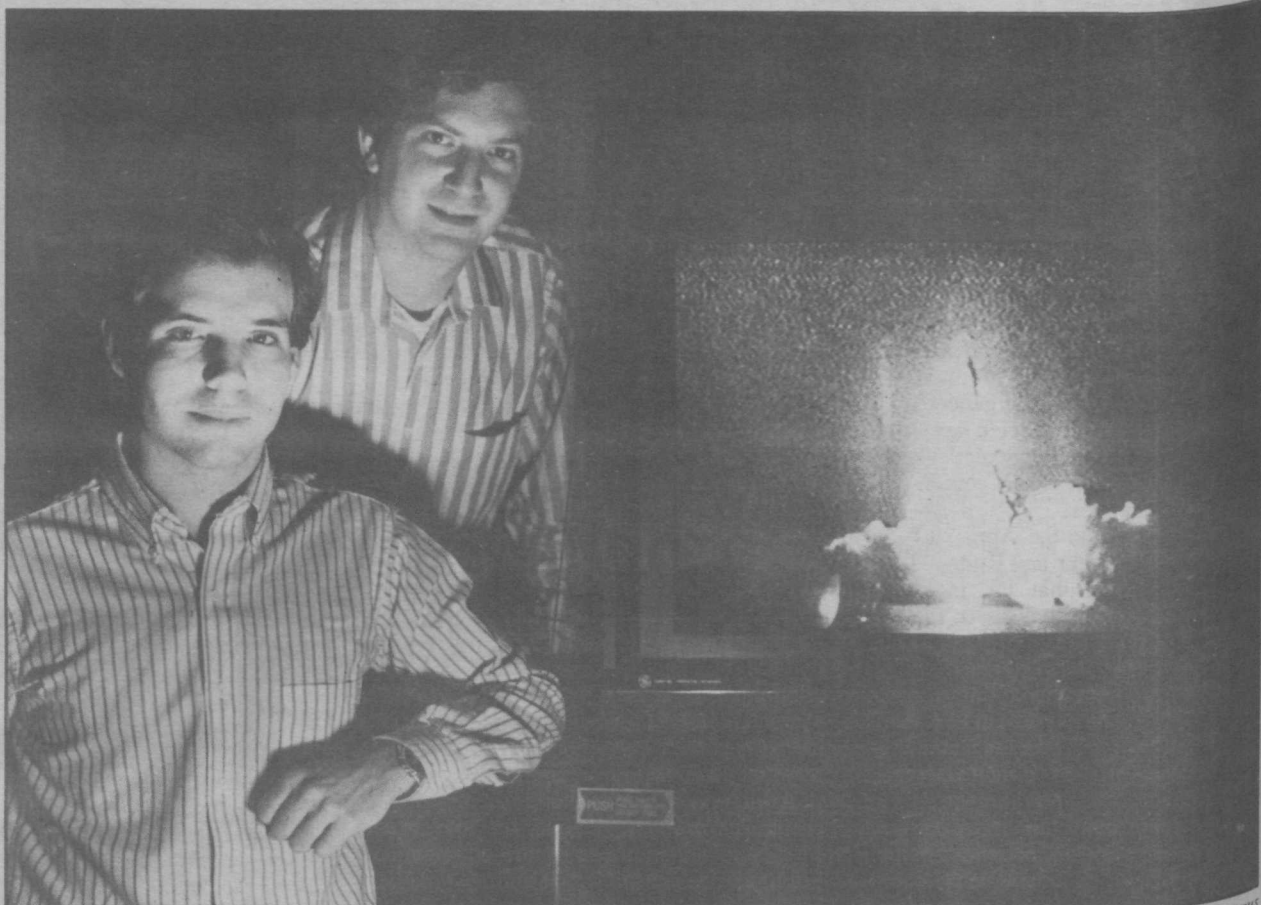
Students are automatically enrolled in the plan and have until Sept. 28 to submit a waiver form that cancels the charge. Each year more than 7,000 Cornell students enroll in the plan, including 25 percent of undergraduates and 60 percent of graduate students.

Some unenrolled students are covered on their parents' health plans; others go without coverage or, in the case of some graduate students, may opt for other programs, including that of the National Association of Graduate Students.

"Although the percentage increases are well below national-level increases of 15 to 20 percent, we recognize that they are still considerable, especially for students with families," said Nissenson. "For that reason, we are working on a plan to allow individual students up to three months to pay bursar bills for the plan without additional charges."

"For a small monthly charge, we also hope to arrange longer-term, extended-payment plans for students with families, Nissenson said.

"We believe that the Cornell plan remains the most cost-effective available to students and is a good deal," Nissenson added. For example, premiums at one Ivy League university are expected to rise from \$700 to \$900 for individual students and from \$2,100 to \$3,100 for spouses.



Graduate student Scott Chesney (left) and electrical engineer Steven Powell with a videotape of a rocket launch in Alaska. *Peter Morenus*

Rocket aids upper-atmosphere studies

A 60-foot rocket that pierced the colorful undulating glow of an Alaskan aurora is yielding valuable data for Cornell scientists on the physics of the upper atmosphere.

The four-stage Black Brant sounding rocket was launched from the NASA rocket range at Poker Flat, Alaska, as part of a continuing NASA-sponsored research program led by Paul Kintner, an associate professor of electrical engineering, and University of New Hampshire physicist Roger Arnoldy.

The project studies how charged atoms called ions are accelerated in the powerful magnetic fields above the Earth. That acceleration is marked by the glowing light emitted by gigantic, curving auroral arcs that billow in the Arctic sky.

Now back at Cornell with their invaluable data tapes, staff electrical engineer Steven Powell and graduate student Scott Chesney, who represented Cornell at the site, recall the excitement of the launch.

"It was a spectacular launch at night," said Powell. "The rocket had spin motors on the side that spew flame radially to spin it up. These rockets and the main rocket create this colorful orange and blue."

According to Chesney, the launch required split-second

timing and gambler's luck to catch an auroral arc during its brief lifetime. The 7,000-pound rocket had to be launched the instant the team's ground-based video cameras detected an auroral arc in the sky down-range from the launch site. The scientists had to hope that, in the 10 minutes between launch and the rocket's highest point, called the apogee, the arc would remain bright, yielding the best electrical, magnetic and particle measurements.

"It caught me by surprise," said Chesney, who was at the launch site. He explained that the team had observed a developing arc, but that "I didn't believe that we would really launch until one second before [we actually did]."

"My heart was pounding after the launch, because two minutes into the flight, the arc started to fade out. Then it reappeared with a vengeance, got brighter and moved to a perfect position about the time the rocket reached apogee."

The resulting data, said Powell and Chesney, will enable a better understanding of the interactions between the Earth's magnetic fields and charged particles. The latest launch was higher than any other by the team and used improved instruments.

—Dennis Meredith

Mozart festival *continued from page 1*

anist in a discussion of performance style, national playing styles, feminine and masculine piano playing and interpretations of Mozart sonatas.

Then Zaslaw hopped a cab to the Metropolitan Museum of Art. There, he listened to a concert by the Classical Band, a symphony orchestra of Classical-era proportions that performs on period instruments.

The performance was not related to Lincoln Center's bicentennial, but Zaslaw, who is on the band's advisory board, is a passionate advocate of the early-music, authentic-performance-practice, original-instruments movement.

"As modern orchestras and pianos became louder and louder, they lost the ability to play 18th-century music well. Either they crushed it or they were bored by it," Zaslaw said. "Now, with the early-music movement, the big orchestras don't do much 18th-century music anymore. It's all early-instrument orchestras, and they do it well because they're the most excited about what they're doing."

The next morning, Monday, April 15, Zaslaw started off watching a rehearsal of "Lo Sposo Deluso," or "The Deluded Bridegroom," an opera fragment Mozart wrote in 1783 and abandoned.

Zaslaw and his Juilliard students saved the fragment from relative obscurity by appending it to another opera based on the same libretto by Mozart's contemporary, Domenico Cimarosa.

"It was an ideal editing project because there were so many surviving sources: 12 librettos and eight manuscripts. It is a real textbook case in the way music was transmitted and changed in Europe," Zaslaw said of the project in which he and his graduate students enrolled in his seminar on the theory and practice of musical editing prepared a performance-quality score of Cimarosa's

"Le Donne Rivali."

Assisted by Juilliard librarian Jane Gottlieb, Zaslaw and his students created a modern edition of the previously unpublished work.

The Juilliard librarian describes Zaslaw as one who "can talk to audiences, translate musicological issues and bring them alive in his descriptions. He can talk to performers on all levels — to professionals, to students and to audiences," Gottlieb said.

For instance, one of the first things Zaslaw did when he undertook the bicentennial project was to decide what to include in a comprehensive listing of all of Mozart's work, including dates and places of composition, the instruments used, how long the pieces were and their location in The Complete Works of Mozart. This listing will be published by Cornell University Press in May as "The Mozart Repertory."

And Zaslaw also co-edited with Cornell graduate student William Cowdery a book published by W.W. Norton & Co. and the Lincoln Center Bicentennial, "The Complete Mozart." A listener's guide for the educated, music-loving layman, it's a collection of brief, readable essays for each of Mozart's works.

Zaslaw's next stop was an interview with a journalist from Japan, during which he happily debunked myths about Mozart's life; some of them perpetrated by Peter Shaffer's play, "Amadeus," which Milos Forman made into a film that took eight Academy Awards in 1984. The composer was not poisoned by his rival, Antonio Salieri, or anyone else; medical records show Mozart died of kidney failure.

And Mozart was not buried in an unmarked grave because his wife, Constanze, was destitute; he was buried without pomp because Emperor Joseph II outlawed costly religious funerals in the years surrounding

Mozart's death to deprive the Catholic Church of its bounty.

But Zaslaw bristled when asked to name his favorite works by Mozart. "I really can't do that," he said, later agreeing that the question was not unlike being asked to choose between his own two children. But backed up against the wall, he admitted that his own personal favorite among Mozart's operas is "The Marriage of Figaro."

The next day included meetings with a young book publisher to discuss the prospects for a limited-edition, hand-printed book related to Mozart's life; a meeting with the artistic directors of "Lo Sposo Deluso" and the directors of The Juilliard School; and teaching his three-hour seminar in Mozart performance practice, where the class polished their performance of three Divertimenti for an upcoming recital.

With this sort of schedule, does Zaslaw have many opportunities to sit back and enjoy the performances, to blend into the audience? Not really.

"When I'm in New York, I'll see maybe one in 50. [There will be 500 performances in all.] Sometimes I don't have a chance to see anything while I'm down here," he said. "I have envious colleagues all over the world. This seems like a terribly glamorous position; it's more exhausting than that."

Already this year Zaslaw's been to eight cities for conferences or public appearances, in addition to his weekly trips to New York, and he plans to visit London, Australia and New Zealand in the fall.

Also, "I don't want to become known primarily as a popularizer of Mozart," he added. Even if it means instant fame, as, for instance, when people started recognizing him after his appearance in the Jan. 27 bicentennial blast-off televised on the Public Broadcasting Service.

"In that one 15-minute talking-heads

collage, I reached more people than in 20 years at Cornell," Zaslaw said. But, "I'll see this project through to the end, but when it's over I'll be just as happy to return to Ithaca. My job at Cornell's the best job in the world."

"I have my master's degree from Juilliard, which is perhaps the best conservatory in the world, but I am a scholar and intellectual and that sort of work is just a sideshow here [at Juilliard]. This place is all about famous performers."

"For me this has been a fabulous new experiment to see whether what I do in academic life can be applied to the stage, but I plan to go back to Ithaca and stay there."

—Carole Stone

City panel *continued from page 1*

mission did have some relationship with the university — as a former or current member of the faculty or staff, as a former or current student, or as an official of one of the unions representing some Cornell employees.

Following release of the commission's report, Cornell spokesman Stewart said the university "continues to believe that a joint commission, with the formal involvement of the university, is more likely to achieve an improved understanding of each other's problems and concerns."

Stewart continued: "The relationship of the university to its neighbors is a very high priority for the university. While we must continue to give first priority to our students, we recognize how important our neighbors are as well."

Commission Chairwoman Mary Jo Dudley said some commission members will continue in a watchdog capacity to see that their recommendations are followed.

CORNELL EMPLOYMENT NEWS

Including Job Opportunities

Volume 3, Number 16

May 2, 1991

Who's Who in Human Resources

This is the first half of a two-part article describing the different sections within the Office of Human Resources. The second half of this article will be printed next week.

THIS SPRING THE OFFICE OF HUMAN RESOURCES (OHR) was restructured to help enhance coordination between OHR sections, streamline OHR operations, and strengthen OHR's responsiveness to employee concerns. We thought a recap of what each OHR section does—those that have not changed as well as those that have—might be in order.

Benefits

By far, the largest section in OHR is the Benefits section, most widely known for administering Cornell's health care and retirement plans. This section is divided between Statutory Benefits (5-4455), in Finance and Business Services, B-22 Mann Library, and Employee Benefits (5-3936), located in 130 Day Hall.

As its name implies, Statutory Benefits focuses on the health and dental plans, select benefits, and the tax-deferred plan for statutory employees. Employees in state-supported units should also contact the Statutory Colleges Finance and Business Services for information on the New York State Employees' Retirement System (NYSERS) and the Optional Retirement Program.

Employee Benefits, 130 Day Hall, focuses primarily on the benefits of employees from the endowed colleges and units. You will want to call Employee Benefits for information on or questions regarding:

- the automobile insurance offered through payroll deduction;
- the Accidental Death and Dismemberment program (AD&D);
- Central Employee Registration (CER);
- Cornell Children's Tuition Scholarship (CCTS) program (tuition benefits for the children of Cornell employees);



Jean Samuelson, manager, Employee Benefits

- the continuation of benefits during lay-off, leave, or disability, or at the termination of employment;
- the emergency medical grant (endowed employees only);
- group life insurance;
- health care coverage, including Medicare and the prescription drug program;
- long and short term disability insurance;
- retirement planning, TIAA-CREF, and the tax-deferred plan;
- Select Benefits (these are the medical/dependent reimbursement plans many employees sign up for on a yearly basis);
- workers' compensation.

Compensation

Compensation is responsible for administering the "wages and salary" programs of nonacademic employees. Compensation is currently conducting the "Classification Re-



Anita Harris, manager, Compensation

view Study" under the advisement of consultants from the firm Coopers and Lybrand. Members of the staff are available to answer questions and give guidance to supervisors and employees on:

- establishing new positions and reviewing existing positions;
- exempt and nonexempt (Fair Labor Standards Act [FLSA]) criteria;
- grade levels and position titles;
- hiring rates, pay ranges, and pay policies and procedures;
- position descriptions and position-evaluation procedures;
- promotions;
- the Salary Improvement Program (SIP) and pay increases;
- regular, dual, term, and acting appointments;
- bonuses, fee payments, and overtime; and
- temporary (casual, full and part-time) appointments and pay rates.

Compensation can be reached by calling 5-7400.

Employee Communication

Employee Communication (5-3541) works in conjunction with other Office of Human Resources sections to communicate with Cornell employees about:

- services and events offered through the Office of Human Resources,
- university employment and personnel policies,
- and other pertinent work-related issues.



Nancy Doolittle, manager, Employee Communication

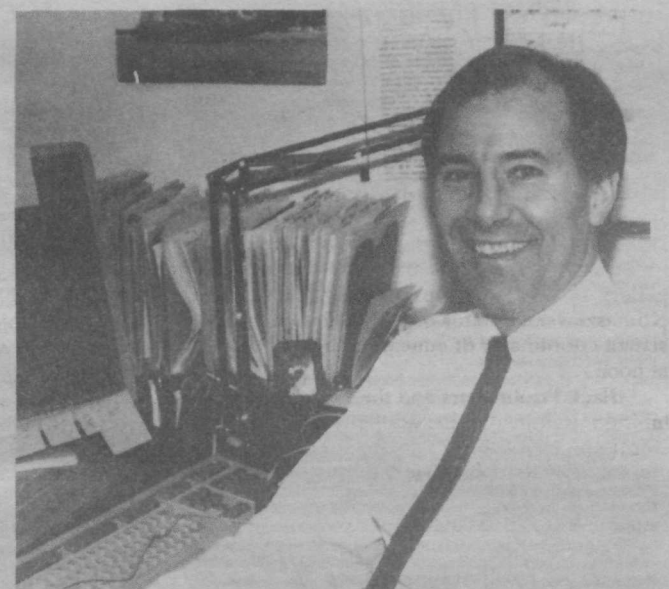
This includes

- facilitating the production of *Cornell Employment News*. *Cornell Employment News* focuses on work-related issues and Cornell employment policies, promotes supervisory and staff professional development, and provides for employee recognition. (The section "Job Opportunities" lists descriptions of current open positions at Cornell), and
- coordinating the production of the *Personnel Manual*. (The manual contains the university's personnel policies and procedures for non-academic employees who are not in collective bargaining units and is available at all Cornell University library reference desks and through each unit's personnel support group representative).

Employee Communication also coordinates the Service Recognition Banquet, held every June to honor those employees who have been with the university for 25 years or more and those who are retiring from the university.

Human Resource Information

Human Resource Information works in support of the other sections of OHR and the university by providing computing and programming services.



Lyman Flahive, manager, Human Resource Information

This includes:

- systems analysis, consulting, and general support;
- computer system management and maintenance;
- special report generation;
- database and application generation and maintenance;
- office automation programming and support;
- university employee appointment system support.

Human Resource Information can be reached at 5-7301.

A major subsection within the Human Resource Information section is **Records Administration**, which was formed by combining the Academic Personnel Office (APO) and the Operations section of OHR. Records Administration:

- administers appointment processing;
- maintains official employee records;
- handles department and university leaves of absence, employee address changes, and employment verification.

The merger of APO and Operations helps provide for more efficient appointment forms processing, eliminates duplication of effort and inconsistency in processing methods, and enhances the coordination in distributing pertinent appointment processing information to university departments. You may contact Records Administration through 5-7597.

Workshops and Seminars Offered by Staff Relations and Development

We'd like to remind you about the following workshops: **Mediation Skills and Coping with Change.**

Mediation Skills will be held on May 10 from 9:00 - 4:00. Have you ever found yourself between two people in conflict, not knowing what to do? Learn how to keep yourself out of the middle to avoid taking sides and escalating the conflict. You won't need the wisdom of Solomon when people around you become angry and frustrated with each other, whether in the office, at a meeting, or at home. With the simple mediation skills, you'll learn that it will be possible to effectively defuse the reactivity of people in conflict and assist them to really communicate and respect each other's needs, ultimately facilitating them to come to a comfortable resolution. Meg Splendor leads this one-session program. There is a \$45 charge to the department. Please con-

tact Staff Relations and Development at 5-7170 no later than May 8 to register for this workshop and then complete the registration form and send it to 130 Day Hall.

Coping with Change will be held on May 21 from 9:00 - 4:00. Change is one thing that is constant in our home and work environment. This course explores what we can do to cope with the changes that constantly impact on our lives. We will examine the influence of change on employees and methods of influencing, reacting to, and more effectively handling change. This one-session program is led by Joe Lomax. There is a \$25 charge to the department. To register, please complete the registration form and send it to 130 Day Hall.

For additional information, please contact Staff Relations and Development at 5-7170.

JOB OPPORTUNITIES

THE UNIVERSITY, IN RESPONSE TO THE NEW YORK STATE BUDGET REDUCTIONS, is recruiting only for those vacant positions considered to be essential to the operation of the university. We continue to encourage, accept, and refer applications from Cornell employees and from external applicants for these positions unless noted otherwise in the individual listing. When qualified laid off employees are available for a particular vacancy, they will be given first consideration for that position.

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

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

- Staffing Services will acknowledge receipt of all material by mail. Hiring supervisors will contact those individuals selected for interview by phone; please include two or more numbers if possible. When the position is filled, candidates should receive notification from the hiring supervisor.
- Cornell University is an 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 & job number. Employees should include an Employee Transfer Application.

Director (PA6307) U000
Environmental Health-Endowed
Posting Date: 4/25/91

Provide professional leadership and administrative direction for a staff of 17 which includes those with training in toxicology, biology, health physics & environmental science. Represent the university in dealing with outside agencies on environmental health matters. **Requirements:** Advanced degree in health physics, environmental science, toxicology, chemistry or biology. Several years of relevant experience. Certified Industrial Hygienist or Health Physics Society certification. Good supervisory and interpersonal skills. Send cover letter and resume to Cynthia Smithbower.

Senior Technical Consultant (PT6409) Level 35
CIT/IR-Endowed
Posting Date: 5/2/91

Under general supervision provide technical guidance and consulting to applications programmers and project leaders regarding ADABAS, NATURAL and related software. Interface with computing staff and vendors. Do one-on-one training and consulting; workshops, presentations. Must be able to work frequent evening and weekend hours and participate in the on-call rotation. **Requirements:** Bachelor's or equivalent, with coursework in computing or related fields. 5-7 years experience with sound knowledge of ADABAS, NATURAL, VM/CMS, MVS, JCL, REXX, SAS, and Assembler. Knowledge of applications for interactive administrative systems, database management systems, machine architecture and system utility programs. Familiarity with microcomputers and packages such as Microsoft Word, Excel, and MacProject. Excellent communication and interpersonal skills. Send cover letter and resume to Sam Weeks.

Applications Programmer Analyst II (PT6408) Level 33
CHESS-Endowed
Posting Date: 5/2/91

Serve as consultant for users of the CHESS computing system. Assist users and staff with computing problems. Help develop a user interface for data acquisition software. **Requirements:** Bachelor's in computing, physics, or engineering. Programming experience with FORTRAN and C. Experience with VMS and UNIX useful. Send cover letter & resume to Sam Weeks.

Director Club Programs (PA6403) HRIII
Alumni Affairs-Endowed
Posting Date: 5/2/91

Establishes policies, long and short range plans for club programs. Develops and manages program budget, ensures policies and objectives of club programs meet expectations of the University and the Office of Alumni Affairs. Work directly with clubs. Some travel. Provides support for the Cornell Alumni Federation. Supervises staff of five. **Requirements:** Bachelor's required/Cornell preferred. At least 5 years related experience including budget administration, supervision, and event planning. Demonstrated ability to work with and organize volunteers. Strong supervisory, interpersonal, communication (speaking and writing) skills. Send cover letter and resume to Cynthia Smithbower.

Assistant Director of Public Affairs (PA6404) HRII
Public Affairs/Architecture Art and Planning-Endowed
Posting Date: 5/2/91

Assist the Director of Public Affairs and the Director of Special Projects with the implementation of the public affairs program to

increase support for the College of Architecture, Art and Planning. Particular emphasis is placed on alumni relations, events planning, prospect identification, and fundraising. **Requirements:** Bachelor's required. 2-5 years of development experience or related administrative experience at a college or university; excellent communication skills and writing skills; experience planning and managing public relations oriented events. Send cover letter and resume to Cynthia Smithbower.

Research Support Specialist (PT6202) HRII
Nuclear Science and Engineering-Endowed
Posting Date: 4/18/91

Assist with and promote research and teaching uses of the Ward Lab user facility. It is used for activation analysis, neutron radiography, autoradiography, radionuclide production with the 500 kW TRIGA research reactor, and various experiments with kilocurie Co-60 sources in the Gamma Cell. Advise and assist users of reactor and gamma irradiation facilities. Maintain and upgrade user facilities. Assist in promotion and development of new users. Assist in maintenance and upgrading of reactor control instrumentation, instructional lab equipment, lab computers (hardware and software), and computer based office equipment. **Requirements:** Advanced degree in nuclear engineering, nuclear physics, or nuclear chemistry. Hold Senior Reactor Operator license or obtain one after on-job training. Several years in research reactor utilization with knowledge of instrumentation and such techniques as gamma-ray spectroscopy and activations analysis are required. Experience in trouble shooting electronics, interfacing computer to research equipment, and in software development highly desirable. Send cover letter and resume to Sam Weeks.

Assistant to Executive Director (PA6402) HRI
University Relations-Endowed
Posting Date: 5/2/91

Analyze communications to develop new public relations tools and rework existing promotional strategies. Position until 6/30/92. **Requirements:** Bachelor's or equivalent required. 2-3 years related experience. Marketing or public relations experience, preferably. Excellent writing skills. Send cover letter and resume to Cynthia Smithbower.

Assistant Director Cornell Fund (PA6305) HRI
University Development/Public Affairs-Endowed
Posting Date: 4/25/91

Assist with Cornell Fund program development, with a particular emphasis on Reunion Class Campaigns. Enlist alumni leadership, set goals, and facilitate Fund objectives. Conduct phonathons. Assist with planning, development and implementation of the Cornell fund's efforts to obtain support from other private sources. **Requirements:** Bachelor's or equivalent. 2-3 years experience with volunteers and fund-raising desired. Ability to communicate persuasively both orally and in writing. Good organizational ability necessary. Travel is required. Send cover letter and resume to Cynthia Smithbower.

Senior Sales Manager (PA6303) HRI
Statler Hotel-Endowed
Posting Date: 4/25/91

Contribute to the attainment of the hotel's annual revenue plan; particularly in the area of group guestroom occupancy and average rate goals. Days and hours flexible; nights and weekends. **Requirements:** A degree in Hotel Administration or equivalent, minimum 2 years experience in hotel sales and related experience in the hospitality industry; knowledge of computer/word processing equipment; excellent public relations skills; detail-oriented; good communication skills. Experience with developing accounts. Direct experience with selling techniques. Send cover letter and resume to Cynthia Smithbower.

Sales Manager (PA6301) HRI
Statler Hotel-Endowed
Posting Date: 4/25/91

Responsible for total sales revenues and guest counts in conference banquet and guest room areas and secure same by selling the hotel's facilities to regular and new clients. Days and hours flexible; nights and weekends. **Requirements:** Bachelor's in Hotel Administration or equivalent experience. Previous sales experience in the hospitality industry,

hotel management or related experience. Knowledge of computer/word processing equipment. Send cover letter and resume to Cynthia Smithbower.

Assistant Manager Front Office (PA6302) HRI
Statler Hotel-Endowed
Posting Date: 4/25/91

Under supervision of the Director of Rooms Division, coordinate and participate in Front Desk and telephone operations. Days and hours flexible; nights and weekends. **Requirements:** Bachelor's in Hotel Administration preferred; a minimum of 1 years related Cornell University experience; excellent interpersonal and communication skills; demonstrated leadership qualities. Send cover letter and resume to Cynthia Smithbower.

Research Support Specialist (PT6103) HRI
Chemistry-Endowed
Posting Date: 4/11/91

Determine, in conjunction with client, the mass spectrometric method of choice, and subsequently carry out the analysis of research samples submitted to the Mass Spectrometry Facility. Day-to-day responsibility for the operation of the Facility. **Requirements:** Bachelor's in Chemistry. Master's preferred. Minimum 1-2 years experience with operation of mass spec instrumentation highly desirable. Able to work with guidelines and use chemical knowledge/judgment in locating and selecting the most appropriate procedures for application. Send cover letter and resume to Sam Weeks.

Research Support Specialist II (PT6111) HRI
Division of Nutritional Sciences/CFNPP-Statutory
Posting Date: 4/11/91

Perform cleaning, management, documentation and analysis of a very large household survey data set from eastern Africa. Work with health and nutrition survey data following established procedures using the latest releases. SPSS and DBase. Perform management functions including creation of new variables and data files; use of look-up tables; and merging files. Perform statistical analysis of data with attention to examining the biological causes of child malnutrition and its consequences for survival. Provide documentation of work done. **Requirements:** Master's in nutrition or equivalent. 2-3 years 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 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.

Teaching Support Specialist II (PT6004) HRI
Plant Breeding and Biometry-Statutory
Posting Date: 4/4/91

Assist in teaching large courses in Statistics and Biometry. Organize labs; supervise teaching assistants; prepare exams and course materials; lecture when necessary; provide computing support; and develop computing instructional materials. Serve as a consultant for statistical computing on the mainframes and micro computers. Perform research in statistics or applications of statistics, and publish research articles. **Requirements:** MS or equivalent in statistics or biometry. Statistical computing experience on mainframes and microcomputers. Teaching and research experience. Send cover letter and resume to Sam Weeks.

Professional Part-Time

Executive Staff Assistant (PC6101) HRI
Human Service Studies-Statutory
Posting Date: 4/11/91

Manage the administrative and financial details of the Empowerment and Family Support Project. Responsibilities include fiscal accountability of the project; monitor the project's account, de-

velop and maintain postaward monitoring system; approve accounting transactions (vouchers and PO's) provide computer generated financial reports; reconcile monthly statements; develop budgets. Position until 12/31/92. **Requirements:** Bachelor's or equivalent combination of education and relevant experience is necessary. Reasonable experience managing a program. Familiarity with accounting and knowledge of computers. Knowledge of word perfect, LOTUS, EXCEL, Word, and of Cornell accounting statements. Familiarity with grants and indirect costs. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Professional Temporary

Technical Consultant I (PT5303)
Cornell Information Technologies-Endowed
Posting Date: 2/14/91

Provide support for faculty, staff, students, and potential users by delivering technical information on five supported platforms (IBM PC, IBM mainframe, Macintosh, VAX mainframe, and telecommunications). Resolve problems concerning the technical aspects of a diverse set of hardware and software applications. Direct clients to services within Cornell Information Technologies and facilitate back line consulting services. Provide support via service on the HelpDesk, group and individual contacts. Maximum 20 hrs per week. **Requirements:** Bachelor's or equivalent. Course work in computer science, business, education preferred. 1-3 years of computer science delivery (consulting, instruction, or related client support services). Outstanding oral and written communication skills. Send cover letter and resume to Sam Weeks.

Professional Off-Campus

4H Youth Development Specialist (PA6201) HRI
Cooperative Extension/NYC-Statutory
Posting Date: 4/18/91

Coordinate, implement and evaluate a pilot 4H youth development project involving youth from Ingersoll-Whitman Houses, Brooklyn in learning the process of setting up and running an business. **Requirements:** Bachelor's in human development, education, or social work. Minimum 2 years work experience in a community based or educational program. Work effectively with youth and as a member of team planning, organizing and evaluating program efforts. Ability to communicate both orally and in writing. Send cover letter and resume to Cynthia Smithbower.

Technical

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

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

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

Animal Technician, GR18 (T4707)
Lab Animal Services-Statutory
Minimum Biweekly Salary: \$542.89
Posting Date: 12/13/90

Care, feed, water, clean and monitor research animals. Follow

strict protocols for sterile or disease control environments and for animal welfare. Maintain animal records. Assist vets in treating and vaccinating as needed. Some weekend and holiday coverage. **Requirements:** High School diploma or equivalent. Associate's in animal science desired. AALAS certificate helpful. Knowledge of a variety of lab animals and animal breeding required. 1 year experience. Ability to lift 50 pounds. Pre-employment physical, all necessary immunizations and NYS driver's license required. Send cover letter and resume to Sam Weeks.

Technician, GR20 (T6406)
Horticultural Sciences-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 5/2/91
Provide technical support in the screening of Malus germplasma for insect resistance and in the quality assessment of advanced breeding lines. Duties to include designing and executing lab bioassays to test for phytochemical resistance factors in apple fruit. Conduct storage trials of advanced selections. **Requirements:** Bachelor's in Entomology plus 1-2 years related field experience is preferred. Bachelor's in other areas will be considered. Basic computer skills for data entry, familiarity with word processing and statistical analysis. Send cover letter and resume to Sam Weeks.

Animal Technician, GR20 (T6404)
Clinical Sciences-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 5/2/91
Provide technical support for hepatitis research project using the woodchuck as the animal model. General lab duties include blood collection, animal handling and restraint, inventory and harvesting serum, and assisting in surgery and 1-2-3. Ability to lift 50 pounds. Some weekend work required. **Requirements:** Bachelor's in biology with experience or equivalent coursework in data handling using spreadsheet, graphing and word-processing software on IBM personal computers. 1-2 years lab animal experience including ability to restrain, examine and bleed small animals. Wild animal handling experience. Must have a valid NYS driver's license. Send cover letter and resume to Sam Weeks.

Technician, GR20 (T6305)
Soil, Crop, Atmospheric Sciences-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 4/25/91
Operate an analytical facility for determination of stable isotopes of carbon and nitrogen; and assist with analytical methodology development. Prepare and analyze soil, plant and other samples using combustion-mass spectrometry using a Europa Roboprep CN analyzer-Tracermass mass spectrometer system. Perform quality control procedures and equipment maintenance. Maintain supply inventory. Assist with development of analytical protocols and methodologies. Train grad students. **Requirements:** Bachelor's or equivalent in a basic or applied related field. General knowledge of lab operations and analytical procedures. 2 years lab experience preferred. Knowledge or experience in field of soil science, plant science and chemistry desirable. Send cover letter and resume to Sam Weeks.

Technician, GR20 (T6301)
Natural Resources-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 4/25/91
Maintain and operate an experimental trout hatchery. Keep records; provide necessary care; and feed, mark, and inventory fish. Sample fish populations and do chemical surveys of lakes and streams. Perform data entry and analyses. Maintain large computer database. Maintain and repair field equipment. Construct equipment when necessary. **Requirements:** Associate's with experience. Bachelor's or equivalent, 2-3 years related experience. Demonstrated ability and skill necessary for the operation of experimental trout hatchery. Computer skills essential. Experience with outboard boat engines and all terrain vehicles. Send cover letter and resume to Sam Weeks.

Technician, GR20 (T5605)
Plant Breeding and Biometry-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 3/7/91
Perform biochemical and genetic analysis of tomato tissue. Perform standard molecular techniques including preparation, electrophoresis and hybridization of nucleic acids. Operation of general lab equipment; maintenance of lab supplies; supervision of radiation work area. **Requirements:** Bachelor's in a lab-oriented biological area plus experience. Master's desirable. Previous related lab experience and demonstrated ability to work independently desirable. Send cover letter and resume to Sam Weeks.

Technician, GR21 (T6407)
Fruit and Vegetable Science-Statutory
Minimum Biweekly Salary: \$615.42
Posting Date: 5/2/91
Provide research support in muckland vegetable program. Conduct field greenhouse and lab experiments, analyze data, maintain equipment, prepare reports, maintain lab and prepare library research reports. Travel required. **Requirements:** Bachelor's or equivalent in biological or agricultural science required. NYS certification for commercial pesticide use essential. Minimum 2 years experience in field research, able to operate farm equipment, use and handle pesticides safely and accurately, perform statistical analysis, greenhouse operations, and equipment repair. Send cover letter and resume to Sam Weeks.

Computer Operator, GR21 (T6205)
Printing Services-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 4/18/91
Assist the system manager in systems related operations. Issue accurate and timely reports. Monitor and maintain equipment performance. Schedule equipment repairs. Perform computer operations such as file saves, disk backups, and running reports. Provide basic technical support to staff. Create income spreadsheets when needed. Audit system output for accuracy and make corrections when necessary. Maintain supplies. **Requirements:** Associate's or equivalent with related computer coursework. Minimum of 6 months to 1 year related experience. Basic computer operator skills supporting computer systems and printers, modems, telecommunication lines and channel interface. Strong interpersonal and communication skills. Send cover letter and resume to Sam Weeks.

Technician, GR21 (T6201)
Genetics and Development-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 4/18/91
Assist in research on genes and proteins that function in Drosophila reproduction by performing molecular and genetic experiments. Perform molecular biological techniques: grow bacterial and bacteriophages; prepare of RNA and proteins; prepare recombinant plasmid and bacteriophage DNAs; in vitro labeling of DNAs and RNAs; hybridization experiments; and electrophoretic analysis. Maintain Drosophila populations and stocks. Supervise undergrad lab assistants. Maintain inventory and keep records. **Requirements:** Bachelor's in biological science or chemistry. Specific training in molecular biological, biochemical and genetic methods required. A minimum of 1-2 years of prior experience as a technician in the molecular genetics lab is highly desirable. Send cover letter and resume to Sam Weeks.

Electronics Technician, GR21 (T6101)
Telecommunications-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 4/11/91
Coordinate the ordering of supplies, preparing bids, maintaining inventory, and delivery of supplies to job site. Assist technicians in the field with running communications wire and installing voice and data connections, while enhancing your skills and telecommunication knowledge. **Requirements:** High School diploma or equivalent. Advanced technical training in technical school or college desired. 2-3 years experience and familiarity with basic communication technology, specifically cable, wire and splicing hardware/tools. Ability to read building and underground prints. Must maintain valid NYS driver's license and have personal car available. Send cover letter and resume to Sam Weeks.

Technician, GR22 (T6306)
Pharmacology-Endowed
Minimum Biweekly Salary: \$641.92
Posting Date: 4/25/91
Assist in physiological, biochemical and pharmacological research on the control of insulin release. The work will emphasize tissue culture of cloned and transfected B-cell lines for studies on insulin secretion, analysis of cell constituents and enzyme assays. **Requirements:** Bachelor's or equivalent in a biological science. 2-4 years related lab experience. Send cover letter and resume to Sam Weeks.

Technician, GR22 (T6304)
Pharmacology-Statutory
Minimum Biweekly Salary: \$641.92
Posting Date: 4/25/91
Participate in research on the control by serotonin of Na and Cl transport across intestinal epithelial cell layers. Perform experiments involving cell fractionation, enzyme assays, radioligand studies, gel electrophoresis, autoradiography and general biochemical and pharmacological techniques. Analyze experimental results. Handle rabbits and rats. **Requirements:** Bachelor's or equivalent in biochemistry. 2-4 years related lab experience. Send cover letter and resume to Sam Weeks.

Technician, GR22 (T6203)
Neurobiology and Behavior-Endowed
Minimum Biweekly Salary: \$641.92
Posting Date: 4/18/91
Participate in research using transmission and scanning electron microscopes for fine structure and autoradiography. Prepare cultures: tissue, cell and organ. Section tissue using ultramicrotomes. Prepare emulsions for coating sections. **Requirements:** Bachelor's or equivalent experience in biological science (neurobiology or biochemistry). 2-4 years related experience using electron microscopes (TEM and SEM), microtomes, and sterile techniques for cell culture. Send cover letter and resume to Sam Weeks.

Chess Operator, GR24 (T6303)
Chess-Endowed
Minimum Biweekly Salary: \$701.22
Posting Date: 4/25/91
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:** Bachelor's or equivalent in technical field such as engineering or physics. Experience not needed. Good mechanical and lab skills. Programming experience preferred. Send cover letter and resume to Sam Weeks.

Lead Production Controller, GR24 (T4103)
Finance and Business Services-Statutory
Minimum Biweekly Salary: \$701.22
Posting Date: 10/18/90
Responsible for processing administrative production applications through the central computer system. Prepare, submit, monitor, and verify the results of jobs processed. Perform tape/disk file management and security and make corrections. Maintain operational documentation. Provide training for production staff. Work scheduled shift changes to meet payroll, month-end, and year-end deadlines. Responsible for covering a rotating shift. Attend job related courses, seminars, and classes. **Requirements:** Bachelor's in computer science or equivalent. 3-4 years in production control or related experience. Thorough knowledge of administrative systems. Detailed and thorough knowledge/experience with MVS/JCL and VM/CMS. Send cover letter and resume to Sam Weeks.

Technician, GR24 (T6107)
Floriculture and Ornamental Horticultural-Statutory
Minimum Biweekly Salary: \$701.22
Posting Date: 4/11/91
Serve as chief experimental assistant to the Turfgrass Research Program Leader, 3-5 grad students, and the manager of the Turfgrass Water Quality Research Facility. Perform basic and applied research in lab, greenhouse and field conditions. Field sites are located in Ithaca and throughout the state. Organize; implement; collect and statistically analyze data; perform literature searches; and write research reports. Assist in experimental design; establish plots; manage the plot seeding, fertilization, pest control and irrigation; and apply treatment variables. Design and fabricate specialized instrumentation. Supervise 1-3 temporary workers in the summer. **Requirements:** Bachelor's in agricultural science or equivalent. Bachelors in turfgrass science desired. 2 years experience in turfgrass management practices and specialized equipment. Knowledge of computers, statistical design and data analysis. NYS driver's license and Pesticide Applicator's Certificate required. Send cover letter and resume to Sam Weeks.

Accelerator Operator, GR24 (T6106)
Lab of Nuclear Studies-Endowed
Minimum Biweekly Salary: \$701.22
Posting Date: 4/11/91
Operate a computer controlled accelerator system to provide high energy electron and positron beams for utilization by experimental groups. Investigate faults and take remedial action. Maintain accelerator log book documenting any modifications to the system, operating characteristics, or procedures. Carry out special projects to maintain and improve components of the system. Work alternating shifts, including holidays and weekends. **Requirements:** Associate's in electronics or equivalent training and experience. Bachelor's in physics preferred. 2-3 years experience in a lab or shop. Send cover letter and resume to Sam Weeks.

Technical Accelerator, GR24 (T6110)
Lab of Nuclear Studies-Statutory
Minimum Biweekly Salary: \$701.22
Posting Date: 4/11/91
Perform highly skilled work to maintain and improve the various components of accelerator ultra high vacuum systems consisting of a linear accelerator, an electron synchrotron, and storage ring. Use techniques appropriate to various vacuum systems, particularly those for ultra high vacuum systems. Work with physicists to design, construct, and install new devices. Provide maintenance, handle malfunctions, and take corrective actions. Provide detailed documentation for the accelerator's master drawings and operating manuals. **Requirements:** High School diploma or equivalent plus at least 2 years formal training in ultra high vacuum technology. Work experience on such equipment with the demonstrated ability to assume responsibility for its maintenance. Ability to supervise other technicians. Send cover letter and resume to Sam Weeks.

Technical Part-Time

Technician, GR19 (T6405)
Entomology-Statutory
Minimum full-time equivalent: \$566.28
Posting Date: 5/2/91
Provide technical support for research and extension activities related to the integrated pest management of insect pests of vegetables, greenhouse and nursery crops. Includes lab and field work. **Requirements:** Associate's required in Entomology or related Biological Science. Must have valid NYS drivers license. Ability to obtain NYS certified pesticide applicator's license. Knowledge of MacIntosh computer training or experience in experimental design, field experimentation and statistics. Minimum 1 year related experience. Send cover letter and resume to Sam Weeks.

Lab Technician, GR19 (T5709)
Vet Microbiology-Statutory
Minimum full-time equivalent: \$566.28
Posting Date: 3/14/91
Provide assistance to faculty carrying out lab experiments in reproductive biology. Prepare culture media and do extensive tissue and cell culture work. Provide general lab and surgical area maintenance. Collect specimens from mice, rabbits and cattle. Schedule experiments, keep records, and compile data. Monitor radioactive waste and arrange for safe disposal. **Requirements:** Associate's or equivalent required. Additional

coursework preferred. 1 year related experience in tissue culture, biochemistry and animal handling. Send cover letter and resume to Sam Weeks.

Technical Temporary

Assistant Technician, (T5901)
Fruit and Vegetable Science-Statutory
Hiring Rate: \$7.00
Posting Date: 3/28/91
Assist in weed control field research in vegetable crops. Establish and maintain small research plots. Apply herbicides and collect data. Through 10/30/91 depending on funding and work. **Requirements:** High School diploma or equivalent. NYS drivers license. Experience operating farm machinery. Certified pesticide applicators license desirable but will train. Send cover letter and resume to Sam Weeks.

Technician, (T6207)
Biotechnology Program-Endowed
Posting Date: 4/18/91
Become proficient and the dedicated user of new state-of-the-art instrumentation, a biosensor-based system for molecular interaction analysis. Develop various immunoassays. Full time for 3 months, \$8-10/hr. **Requirements:** Bachelor's in biological sciences required. Minimum of 2 years lab experience. Must have an aptitude for instrumentation and proficiency with Macintosh computers. Send cover letter and resume to Sam Weeks.

Research Aide, (T6007)
Entomology-Endowed
Hiring Rate: \$6.25-\$6.75
Posting Date: 4/4/91
Assist in vet entomology research on dairy farms, involving year around field work on cattle pests. Assist with lab experiments. Maintain insect colonies. Sort and process field samples. Mount and identify insects. Collect data. Obtain supplies. **Requirements:** AAS or equivalent in entomology or animal science. BS preferred. 1 year experience in handling large animals. Entomological experience helpful. Pesticide applicator's license desirable. NYS driver's license required. 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.

Binding Assistant, GR16 (C6310)
Catalog Management/Cornell University Library-Endowed
Minimum Biweekly Salary: \$511.68
Posting Date: 4/25/91
Provide bookmarking and security strips for new material (except commercially bound serials) received in the Catalog Department. This material is designated for various endowed units of the Library system. Position until June 1992. **Requirements:** High School diploma or equivalent. Ability to perform the duties efficiently, with a high level of accuracy and attention to detail. Must be dependable and possess good interpersonal skills. Ability to lift moderate weights and push heavy book trucks. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Accounts Assistant, GR18 (C6205)
Administrative Operations/Cornell University Library-Endowed
Minimum Biweekly Salary: \$542.89
Posting Date: 4/25/91
Under the direction of the Accounting Manager, maintain all records, files, accounts payable and receivable for all library material purchases and fine and replacement income. Approve accounts payable invoices/credits to the central university accounting office for payment. Review vendor statements, inquiries, duplicate payments, and returned checks; and prepare correspondence regarding past due invoices, credits due, and payment inquiries. Light typing. **Requirements:** High School diploma or the equivalent. Some college coursework in accounting bookkeeping or business preferred. 1-2 years previous accounting/bookkeeping experience and familiar with standard office machines. High degree of accuracy on work with strong concentration on detail. Experience with microcomputers, IBM preferred. Strong organizational, communication (written and verbal) and interpersonal skills. Familiarity with Cornell Accounting System desirable. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter, resume to Esther Smith, Staffing Services, 160 Day Hall.

Accounts Assistant, GR18 (C6212)
Media Services-Statutory
Minimum Biweekly Salary: \$542.89
Posting Date: 4/18/91
Process all billing and maintain financial records for design, and editorial sections of Media Services. Serve as receptionist for incoming clients and vendors. **Requirements:** High School diploma or equivalent combination of education and accounting experience. Individual must be well organized, very flexible, accurate, able to maintain confidentiality. Must have demonstrated computer knowledge and experience using Excel, Write Now and 4th dimension. Knowledge of graphic design and printing processes helpful. Strong interpersonal skills necessary, as well as ability to work with minimal supervision. Regular Cornell employees Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Relief Night Auditor, GR19 (C6405)
Statler Hotel-Endowed
Minimum Biweekly Salary: \$566.28
Posting Date: 5/2/91
Review, verify and record all hotel revenue. Generate reports through property management systems as required. Perform duties of Night manager in relief. Coordinate and participate in front desk, concierge and bellstaff activities to provide quality guest service. Five days a week. 11:00pm-7:00am **Requirements:** High School diploma or equivalent. Some college coursework in accounting preferred. 1-2 years related hotel experience desirable. Knowledge of computers essential. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Administrative Aide, GR19 (C6402)
School of Hotel Administration-Endowed
Minimum Biweekly Salary: \$566.28
Posting Date: 5/2/91
Provide administrative and secretarial support to four faculty members. Type; answer phones; schedule meetings; handle mail and travel. **Requirements:** High School diploma or equivalent. Some college. 1-3 years secretarial experience. Word processing skills required with strong knowledge of Macintosh system and its software programs. Work independently, excellent interpersonal skills. High level of confidentiality essential. Requires independent judgement and decision making. Medium typing. Regular Cornell

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

Accounts Assistant, GR19 (C6404)
University Payroll-Endowed
Minimum Biweekly Salary: \$566.28
Posting Date: 5/2/91
Provide assistance in executing the overall payroll function with specific emphasis on service to the university and its employees. Primary duties include assisting in the reception area and answering incoming telephone calls. Collect and distribute mail, appointment forms, and reports; input all non tax related deductions; maintain direct bank deposit information; compile and complete workers comp information. **Requirements:** High School diploma or equivalent. Some college coursework preferred. Must be bondable. High degree of confidentiality. Experience with PC's. Ability to work well with people. 1-2 years related experience. Light typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Administrative Aide, GR19 (C6411)
Center for Environmental Research-Statutory
Minimum Biweekly Salary: \$566.28
Posting Date: 5/2/91
Provide general office support to 8 staff in the CLEARs program unit of CER. Do word processing and editing correspondence, reports and instructional materials; telephone and reception duties including map sales; liaison with CER for accounting; A/R, and payroll; coordinate assignments for student assistants. **Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years related office experience. Knowledge of Cornell accounting systems. Good communications skills. Word processing skills for both IBM and Macintosh preferred. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Secretary, GR19 (C6406)
Entomology-Statutory
Minimum Biweekly Salary: \$566.28
Posting Date: 5/2/91
Provide secretarial support for the Department of Entomology using both the IBM and MacIntosh computer. Responsible for smooth operation of daily department activities as well as serve as secretary to faculty using a variety of software packages. **Requirements:** High School diploma or equivalent. Some college coursework in business or secretarial science preferred. Ability to work comfortably on IBM computer using DOS and variety of software packages (Word Perfect, Lotus) and ability to work on MacIntosh or willingness to learn. Excellent organizational, interpersonal, and communication (written and oral) skills essential. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Office Assistant, GR19 (C6301)
Office of the University Registrar-Endowed
Minimum Biweekly Salary: \$566.28
Posting Date: 4/25/91
Provide personal service to individual students, alumni and staff. Prepare, certify and transmit CU transcripts. Certify, validate CU students enrollment, degree status or record of academic achievement from external organizations, agencies and students. **Requirements:** High School education or equivalent. Some college coursework preferred. Minimum 1-2 years related experience required. Computer input experience. Excellent interpersonal and organizational skills. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Lab Coordinator, GR19 (C6302)
Diagnostic Lab/Clin Path-Statutory
Minimum Biweekly Salary: \$566.28
Posting Date: 4/25/91
Receive, access and distribute lab specimens. Distribute internal and external reports. Enter all lab results into computer. Provide relevant lab information to staff, students and outside clients. Cross train with lab secretary. **Requirements:** High School diploma. Some college coursework preferred. 1-2 years related experience. Familiar with vet and medical terminology. Computer knowledge; strong interpersonal skills. Light typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Secretary, GR19 (C6203)
Veterinary Anatomy-Statutory
Minimum Biweekly Salary: \$566.28
Posting Date: 4/18/91
Primary responsibility for secretarial support for the teaching and research activities of the College's Chief Neurologist, plus work for five other faculty members (including the department Chair), three lecturers, and the department's animal preparator. Initial point of contact for the department. **Requirements:** High School diploma or equivalent. Some college coursework preferred. Typing required. An ability to deal with medical nomenclature and foreign languages. 2-3 years related experience. Training and experience in advanced word processing. Ability to handle confidential material. Medium typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Accounts Assistant, GR19 (C5905)
Division of Nutritional Sciences-Statutory
Minimum Biweekly Salary: \$566.28
Posting Date: 3/28/91
Under direction of Administrative Manager assist in daily operations of Division of Nutritional Sciences Business Office. Responsibilities include account reconciliation; preparation of journal entries; coordination/verification of various monthly campus billings; preparation of deposits; maintenance of division's local accounting system (OASIS) and internal report generation for the Division's 300+ accounts (statutory and endowed). The Division has an annual operation budget of \$10-12 million. **Requirements:** High School diploma or equivalent. 1-2 years related experience. Some college coursework preferred. Familiarity with Cornell's accounting system preferred; knowledge of statutory accounting procedures helpful. Previous computer experience (mainframe and PC compatible) required; competency in word processing (Word Perfect), database management (dBase or PC-File) and spreadsheets (LOTUS) preferred. Experience in account reconciliation strongly preferred. Excellent interpersonal, organizational and communications skills essential. Attention to detail; ability to work under pressure and meet deadlines required. Light typing. Regular Cornell employees. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Word Processor Operator, GR19 (C5709)
Division of Nutritional Sciences/CFNPP-Statutory
Minimum Biweekly Salary: \$566.28
Posting Date: 3/21/91
Perform complex technical word processing tasks, often under tight and shifting deadlines, for Ithaca research and publications staff. 1 year term, continuation contingent upon funding. **Requirements:** High School diploma or equivalent preferred. Some college coursework preferred. Experience with lengthy manuscripts and technical documents required. Excellent grammatical and organizational skills required. Able to work independently with eye for detail essential. Knowledge of Wordperfect and spreadsheet and/or database packages preferred. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Administrative Aide, GR20 (C6403)
Materials Science and Engineering-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 5/2/91
Provide complete organizational and accounting support for the Industry-Cornell University Alliance for Electronic Packaging thereby ensuring their effectiveness as working units. **Requirements:** Associate's degree or equivalent required. 2-3 years experience in related area. Excellent interpersonal and communication skills. Ability to work independently and set priorities. Familiarity with IBM or compacts. Wordperfect and Lotus 123 Required. Experience working with high tech companies and

electronic packaging industry is essential. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Administrative Aide, GR20 (C6401)
History of Art-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 5/2/91

Provide secretarial/administrative support to faculty including the Graduate Field Representative and the Director of Undergraduate Studies.
Requirements: Associate's or equivalent. 2-3 years related experience. Typing/keyboard 60 wpm. Knowledge of IBM PC using WordPerfect. Able to set priorities and work in complex, active environment essential. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Accounts Assistant, GR20 (C6407)
Physiology-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 5/2/91

Share responsibility for management and reconciliation of over 100 accounts (state, endowed, college and grants). Establish and maintain working relationship with three colleges (one endowed) and Division of Biological Sciences; advise on University, State and College financial policies; assist in back-up for personnel and payroll functions when necessary.
Requirements: High School diploma or equivalent, some advanced bookkeeping/accounting schooling desirable. Associate's degree preferred. 2 years Cornell accounting essential. Strong interpersonal and communication skills. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Secretary, GR20 (C6306)
Chemistry-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 4/25/91

Provide administrative and secretarial support to a Nobel Prize winning professor and active international research group. Manage production of manuscripts and research proposals. Administer all aspects of office during professor's absence; arrange travel, seminars.
Requirements: Associate's or equivalent. Knowledge of chemistry and some foreign language helpful. Minimum 2-3 years secretarial experience including knowledge of CU manuscript, grant proposal and travel systems. Computer experience (IBM, Macintosh) necessary. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Administrative Aide, GR20 (C6308)
Facilities/Administrative Operations/Cornell University Library-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 4/25/91

Under general supervision of the Operations Manager, coordinate all purchasing activities for capital equipment and computer hardware orders for the Endowed Library System. Process invoices for payment. Monitor computer lines and telephones. Prepare work orders and oversee computer maintenance, blanket orders and maintenance agreements. Provide administrative support to the Protect Coordinator, Project Manager, Photocopy Services Supervisor, and the Personnel area.
Requirements: Associate's or the equivalent. Minimum of 2-3 years of office/purchasing experience. Strong interpersonal, communication (written and verbal) and organizational skills. Experience with database and spreadsheet management (dBase and LOTUS preferred) as well as word processing (WordPerfect preferred). Able to handle confidential material with discretion. Attention to detail. Familiar with University Purchasing and customer services procedures helpful. Light typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Reference Assistant, GR20 (C6210)
Mann Library-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 4/18/91

Provide information service in Mann Library and coordinate the maintenance of the collection of reference materials. Responsible, in the Entomology Library, for student hiring and supervision, and user assistance. Provide circulation assistance and assist with collection.
Requirements: Associate's or equivalent. Additional college coursework in agriculture or life sciences preferred. Strong interpersonal and communication skills. Supervisory and effective public service experience required. Experience working in an academic library and with use of microcomputers preferred. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.
Circulation/Reserve Supervisor, GR20 (C6204)
Music Library-Endowed
Minimum Biweekly Salary: \$590.45
Posting Date: 4/18/91
Facilitate the use of the Music Library by providing reference service. Responsible for circulation activities, including procedures for charging out and discharging materials, special requests from patrons, collecting fines and fees. Interview, hire, supervise and train student assistants. Functionally supervise and train night supervisors. Assist in the set up of audio equipment patrons.
Requirements: Associate's in music or the equivalent with emphasis on music history. Some additional college coursework preferred. 2-3 years related experience. Knowledge of music reference materials required. Excellent communication and interpersonal skills. Supervisory and public service experience required. Experience working in an academic library preferred. Reading knowledge of one foreign language (German preferred). Light typing. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Research Aide, GR21 (C6202)
University Development/Public Affairs-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 4/18/91
Meet the information needs of those persons engaged in development work. More specifically, the research aide locates, compiles, organizes and evaluates public and confidential information about Cornell Alumni/ae and friends, foundations and corporations which are current or potential supporters of the University. Generally, the finished written product is used by the president, trustees, administrators, public affairs and development staff and alumni/ae of Cornell for fundraising activities.
Requirements: An Associate's or equivalent. Bachelor's is preferred. 1-2 years related experience. Knowledge of research materials, library methods, and computer. Excellent communication and writing skills. Ability to work with confidential materials with high degree of discretion. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Administrative Aide, GR21 (C5704)
CRSR-Endowed
Minimum Biweekly Salary: \$615.42
Posting Date: 3/14/91
This position is for an experienced secretary who is able to give administrative support to a sizeable research group consisting of several professors, research associates and graduate students. Duties include scientific typing, correspondence, E-mail, travel arrangements, travel reimbursement, general office duties.
Requirements: Associate's or equivalent required. 2-3 years of secretarial experience, preferable Cornell background. Solid word processing skills (IBM preferred, if possible, knowledge of Sun Microsystem word processing program). Scientific typing. Medium typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

Office Professional Part-time

Office Assistant, GR16 (C6007)
Center for Research Animal Resources-Statutory
Minimum full-time equivalent: \$511.68
Posting Date: 4/4/91

Provide various support services in busy office exercising some independent judgment. Extensive wordprocessing, answer telephones, and handle mail. Other duties as assigned. Mon-Fri, 20 hours/week.

Requirements: High School diploma or equivalent. Some secretarial courses. Solid word processing skills (IBM preferred). Scientific typing. Good knowledge of English. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Entomology Assistant, GR18 (C6410)
Mann Library-Statutory
Minimum full-time equivalent: \$542.89
Posting Date: 5/2/91

Under the direction of the Entomology Coordinator, responsible for staffing the Entomology Library. Provide information and general assistance, circulate library materials, shelve books, maintain supplies, and handle mail. Responsible for processing interlibrary lending requests and course reserve lists. In Mann Library work with the Binding Coordinator to prepare materials for binding.
Requirements: High School diploma or equivalent. Some college coursework preferred. Background in entomology, agriculture, or biological sciences preferred. Strong interpersonal and communication skills. Ability to be selfdirected, meet deadlines, pay attention to detail. Experience working in an academic/research library is desirable. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Office Assistant, GR18 (C6307)
Agricultural Economics-Statutory
Minimum full-time equivalent: \$542.89
Posting Date: 4/25/91

Provide farm families with support using the 800# information, referral, consulting system. Support consists of: emotional, legal, financial and family issues. Days and hours, 10a.m - 5pm Position until 8/31/91. Further employment contingent upon continued funding.
Requirements: High School diploma or equivalent. Some college coursework preferred. Strong listening and interpersonal skills. Familiar with farming and farm families necessary. Familiar with Cornell Cooperative Extension a plus. Typing/computer familiarity necessary. Minimum 1 year related experience. Light typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Office Assistant, GR18 (C6206)
Photocopy Services/Library-Endowed
Minimum full-time equivalent: \$542.89
Posting Date: 4/18/91

Provide support for the Photocopy Services Copy Center. Duties include: supervision and training of student staff, customer relations, quality and inventory control, operation of photocopy equipment. Oversee the activities of the Copy Center on Sat's. Tues and Wed, 8:30am - 3:00pm Thur, 8:30am - 1:00pm Fri, 8:30am - 5:00pm Sat, 11:00am - 5:00pm 30 hours per week.
Requirements: High School or the equivalent. Some college coursework preferred. 1-2 years related experience. Ability to work well under pressure and to set priorities. Some office/clerical experience preferred. Communication (especially verbal), interpersonal and organizational skills required. Ability to lift supplies (up to 50 pounds). Light typing. Regular Cornell employees send employee transfer application to Esther Smith, Staffing Services, EHP.

Senior Records Assistant, GR18 (C6004)
School of Hotel Administration-Endowed
Minimum full-time equivalent: \$542.89
Posting Date: 4/4/91

Assist the Senior Department Assistant in acquiring monographic material for the SHA Library. Collect and prepare SHA serials for binding. Perform work consisting of duties that involve related steps, processes, or methods according to his/her own judgment, requesting supervisory assistance when necessary; has responsibility for accuracy in the performance of routine work, but work is subject to verification by others when completed. Medium typing. Flexible, 4 hours/day, Mon-Fri, 20 hours/weeks, negotiable.
Requirements: High School diploma or equivalent. Some college coursework preferred. 1-2 years related experience. Some experience with use of a library required. Ability to perform related activities with a high degree of accuracy required. Good (written and verbal) communication skills required. Ability to use a variety of microcomputer applications software required. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Administrative Aide, GR19 (C6108)
Materials Science and Engineering-Endowed
Minimum full-time equivalent: \$566.28
Posting Date: 4/11/91

Monitor accounts; typing including word processing (work Perfect) on IBM/compatible computer; filing; database work; general office duties. Mon-Fri, 7:30-5(flexible), 25 hours per week.
Requirements: High School diploma or equivalent. Some college coursework preferred. Knowledge of Quatro, Paradox and Shorthand. Good accounting, organizational, and interpersonal skills. Some German language knowledge helpful. Word Perfect (5.0) required. 1-2 years related experience. Ability to work independently. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Administrative Aide, GR21 (C5904)
ILR-Admissions-Statutory
Minimum full-time equivalent: \$615.42
Posting Date: 4/11/91

Administrative and technical support for all functions involved in recruitment, selection and admission of students in undergraduate program. Designs, programs if necessary, runs statistical reports and analysis; conduct informational interviews by phone for candidates/parents; provide information on undergraduate degree and program requirements; coordinate flow of applicants to undergrad admissions committee and central admissions. Correspond with applicants and students. 30 hours per week. Position for 8 months, September-April.
Requirements: Associate's in business or related field. Equivalent education and experience will be considered. 2-3 years experience in student personnel or records. Good judgement in dealing with sensitive material. Medium typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

Cornell Employment News

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Telephone: Office of Human Resources (607) 255-3936



Office Professionals Temporary

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

Computer Programmer Operator (S6400)
Human Ecology-Statutory
Posting Date: 5/2/91

Maintain database of academic and non-academic employees in college and do ad hoc reports. Make program enhancements to allocations database, including improving flexibility modifying report formats, "cleaning up" preliminary programming that has been completed. Maintain up-to-date database of accounting information for college Business Office through use of Cornell University Distributed Accounting (CUDA) system and provide managerial reports. Create and update spreadsheets in Lotus 123 as needed. Other computing assignments as assigned.
Requirements: Programming experience in Foxbase or d-base. High degree of confidentiality required. Salary commensurate with experience. To apply, send cover letter and resume to Elizabeth Hughes, N111, MVR, College of Human Ecology, Ithaca, NY 14853.

Temporary Assistant Education Coordinator (S6101)
Cornell Plantations-Endowed
Hiring Rate: \$7.00
Posting Date: 4/11/91

Responsible for assisting with the organizing, coordinating, staffing and the presentation of all educational programs of the Cornell Plantations. This includes the tour program, volunteer program, special events, classes, and workshops. Part time position averaging 25 hours each week including evenings and weekends. 6 month temporary position with probable extension contingent on funding.
Requirements: Bachelor's degree in Natural Science, Horticulture, Education, or equivalent is required. Good organizational, interpersonal, and communication skills essential. Send cover letter and resume to Linda Scaglione, Staffing Services, 160 Day Hall.

Data Entry Operator (S6305)
Division of Summer Session, Extramural Study, and Related Programs-Endowed
Posting Date: 5/2/91

Data entry of all summer student registration information and perform general clerical duties.
Requirements: High School diploma or equivalent. Experience with IBM PC and WordPerfect desirable. Send cover letter and resume to Linda Scaglione, Staffing Services, 160 Day Hall.

General Service

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

Food Service Worker, S003 (G3803)
Unions and Activities/Noyes Center-Endowed
Hiring Rate: \$6.56
Posting Date: 9/27/90

Operate electronic cash register, handle cash and credit sales, prepare and sell food items; stock and monitor inventory levels; maintain clean work area and adhere to all health department sanitation codes. 10 month position. Mon-Fri, 4pm - 12pm
Requirements: High School diploma or equivalent. At least 1 year experience in food service operation required. Must relate well with people (excellent customer service skills) and work independently at a rapid pace. Previous experience with electronic registers and kitchen equipment required. Regular Cornell employees only. Send employee transfer application to Esther Smith, Staffing Services, EHP.

Food Service Worker, S003 (G6201)
Unions and Activities/NC-Endowed
Hiring Rate: \$6.56
Posting Date: 4/18/91

Operation of cash register, cash and credit sales. Preparation and sale of food items. Stocking and monitoring of inventory levels. 10 month position. Mon-Fri, 8:00am-4:30pm
Requirements: High School diploma or equivalent. At least 1 year experience in a food service operation is required. Excellent customer relations experience is essential. Regular Cornell employees send transfer application to Esther Smith, Staffing Services, EHP.

Patrol Officer, GR03 (G6205)
Public Safety-Endowed
Hiring Rate: \$9.01
Posting Date: 4/18/91

Prevent, detect and stop criminal behavior; protect life and property; preserve peace, and respond to required police and university services within the campus area.
Requirements: High School diploma or equivalent. College degree preferred. Must obtain, maintain and satisfactorily complete all licensures and training requirements as designated by the Director of Public Safety and the laws of New York State. Must possess valid New York State Drivers license and New York State pistol permit. Strong communication skills (written and oral). Must satisfactorily complete the probationary period of Public Safety for Patrol Officer. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall. Women and minorities are encouraged to apply. Deadline for applications is May 17th, 1991.

Head Custodian, S004 (G6401)
Buildings Care-Statutory
Hiring Rate: \$6.88
Posting Date: 5/2/91

Participates in, oversees and evaluates the work of 3-10 students custodians in assigned area. Trains new custodial employees as they are introduced into the work complex. Performs a number of other tasks. Days, Mon-Fri 6:00a.m-2:30pm
Requirements: High School diploma or equivalent. Must have at least 3-5 years experience and proven expertise in effectively performing custodial work. Must have demonstrated excellent

attendance and dependability through, ones work record. Must posses strong people skills and the ability/aptitude to oversee the work of a group of custodians, to include the training and development of custodial staff. Excellent communication (written and oral) skills essential. Must be in very good physical condition and able to pass a physical. Available to work weekends or other irregular hours. Posses a valid NYS drivers license. Regular cornell employees only. Send employee transfer application, to Esther Smith, Staffing Services, EHP.

Senior Mechanic, T007 (G5201)
Utilities-Endowed
Posting Date: 2/14/91

Responsible for the uninterrupted and efficient daily operation and maintenance of the chilled Water Plants and Hydro-electric Plant. To operate and maintain Central Plant equipment including electric driven chillers, pumps, cooling towers, vacuum and compressed air systems, water turbines and generators, water treatment equipment and instrumentation. Operation of the Central Utility Plants shall include use of the Campus microprocessor-based central control systems.
Requirements: Associate's in Mechanical/Electrical Technology. 1-3 years experience in refrigeration, operation and maintenance of Central Utility Plants desirable. 1-3 years experience in electric and solid state electronic controls and their application in control and monitoring. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall. Women and minorities are particularly encouraged to apply.

Shift and Maintenance Mechanic, S009 (G6301)
M&S/Mechanical Shop-Endowed
Hiring Rate: \$8.66
Posting Date: 4/25/91

Able to maintain boilers, burners and other mechanical and HVAC equipment found in commercial, industrial, residential and research institutions. Monitor equipment, building and utility systems. Inspect, lubricate and repair all mechanical equipment. Install and read electric, water and steam meters. Days and hours vary according to shift.
Requirements: High School graduate or equivalent. Knowledge of HVAC, utilities, controls and other support systems in high technology environment. Minimum of 3 years experience in building trades and mechanical maintenance with boilers and burners. Valid NYS drivers license required. Regular Cornell employees send transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

General Service Off-Campus

Maintenance Mechanic, GR20 (G6402)
Buildings and Properties/Geneva-Statutory
Minimum Biweekly Salary: \$590.45
Posting Date: 5/2/91

Assist with plumbing, sheetmetal, provide relief for the Central Heating Plant as Utility Relief Operator, and other trades to maintain, add to, or improve the Experiment Station buildings and properties and related facilities. Days and hours, 5 days a week, 39 hours per week.
Requirements: High School diploma or equivalent. Valid NYS Drivers license required. 2-4 years experience in basic maintenance work, plumbing, sheetmetal machinery and building trades necessary. Must be able to lift at least 80 pounds. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

General Service

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

Animal Attendant, S004 (B6402)
Poultry and Avian Sciences-Statutory
Hiring Rate: \$6.88
Posting Date: 5/2/91

Assist in the care of animals (poultry mainly). Responsible for health, welfare (daily care) of research lab animals being raised and maintained in support of genetics, physiology, nutrition, food science and extension research programs/projects. Also, animal facilities and equipment maintenance/care. Collect and record experimental data. Days and hours, Mon-Thur 7:30-4:00, Fri 7:30-3:00. Weekends and holidays as requested or needed.
Requirements: High School diploma or equivalent required. 1-2 years related experience in animal science preferred. Must have or acquire/obtain courses in Animal technician AALAS accreditation, certificate of pesticide application, NYS Drivers License, obtain acquire NYS red label certification. Ability to lift 100 pounds routinely. Submit application materials to Cynthia Smithbower, 160 Day Hall.

General Service Part-Time

Animal Attendant, S004 (B6201)
Animal Science-Statutory
Hiring Rate: \$6.88
Posting Date: 4/18/91

Care for dairy animals, feed, groom, clean, prepare bedding. Administer required medical treatments, check for heats. Operate machinery, maintain farm. Days and hours to be arranged. 2 weekends per month. 20-24 hours per week.
Requirements: High School diploma or equivalent. Class III drivers license or eligibility. General dairy farm experience helpful. Able to lift 100 pounds. Send application materials to Cynthia Smithbower.

General Services Temporary

Groundsworker (B6401)
Athletics/Golf Course-Endowed
60% establish and maintain gardens; 40% maintain grounds; mow grass, other related duties. Mon-Fri; 6:00-2:30; some weekend work.
Requirements: Some directly related work experience. For consideration submit application materials to Cynthia Smithbower, 160 Day Hall.