

# CORNELL CHRONICLE

Volume 21 Number 20 February 8, 1990



3  
Optoelectronics  
grant

3  
Weather  
watchers

7  
Alcohol survey

## Karel Husa to conduct in Prague

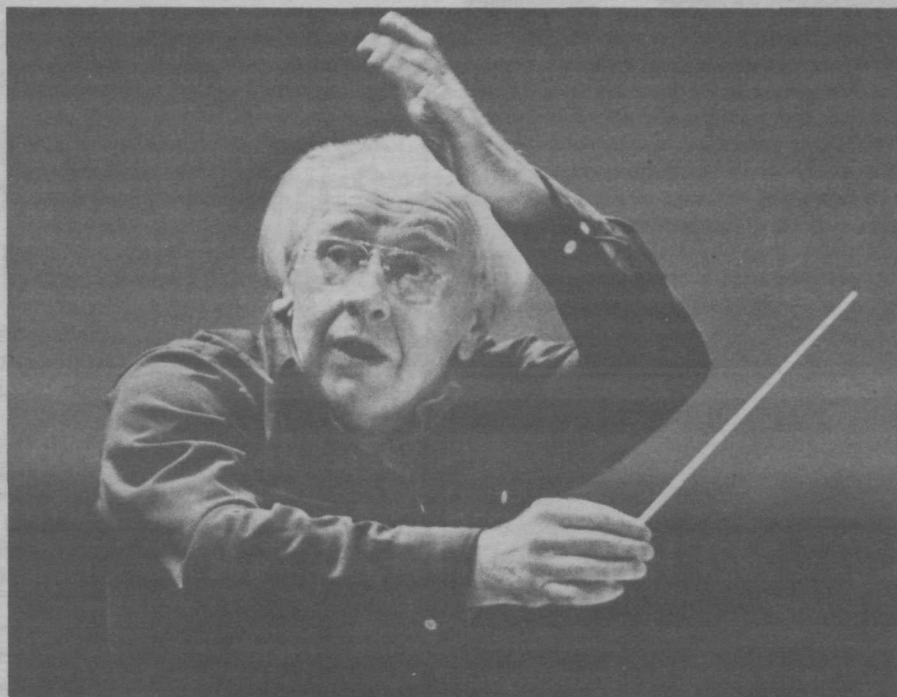
Composer Karel Husa has been invited to conduct the Czechoslovakian premiere of his highly acclaimed "Music for Prague 1968," which he composed when Soviet tank troops invaded his native country to crush the popular Prague Spring movement 22 years ago.

Husa's 20-minute, four-movement "manifesto" has been scheduled for the First Festival Concert of the newly founded Association of Czech Musical Artists (Composers and Performers) on Feb. 13 in Prague.

The concert will be a tribute to Civic Forum, the democracy movement led by playwright Vaclav Havel, now president of Czechoslovakia. Havel will be in attendance, along with other dignitaries.

"Music for Prague 1968" will be played along with works by other 20th-century Czech composers — Jan Novak, Otakar Jeremias, Lubomir Barta and Jindrich Feld — whose works also celebrate the theme of freedom.

"I never expected this to happen so soon," Husa said of current developments in Eastern Europe, including the



Karel Husa conducts during a rehearsal.

Claude Levet

invitation to conduct his work in Smetana Hall, Prague's largest concert hall.

"I thought it could only happen the other way, from the Soviets first. Only if the Soviets got into trouble did I think they would allow such changes," he added.

Husa has lived in the United States

since 1954, when he accepted a teaching position here. He now is Kappa Alpha Professor of Music. He has visited Czechoslovakia several times, but "this will be the first time I will conduct there since 1946, when I left as a student," Husa said.

Continued on page 6

## Symposium to examine perestroika

Just how much freedom does Mikhail Gorbachev propose to grant the Soviet people? Just how much will the Supreme Soviet stand for? And just how much will be enough to solve the country's economic, social and political crises?

In a public symposium on the subject, legal scholars and political experts from around the world will gather at the Law School on Friday and Saturday, Feb. 16 and 17, to examine these questions surrounding "legal perestroika," the proposed changes to the Soviet Union's 1977 constitution. The event, which has been organized by the student-run Cornell International Law Journal, is open to the public.

"We felt that to really understand what's behind the daily headlines and to try to predict where it all may go, it's necessary to understand the underpinnings: the new proposed laws," said Pam Benjamin, a third-year law student.

Legal scholars from Washington, Moscow and sites in between will examine suggested changes in civil rights, including freedom of the press, speech and assembly. They also will discuss the proposed political restructuring that would diminish the role of the Supreme Soviet and increase the power of the country's legislative body.

"It's as if the U.S. were reconvening its Constitutional Convention. The issues that the Soviet Union — and the symposium — are considering are that big," Benjamin said.

Political experts, meanwhile, will counter that changes in the law may mean nothing at all, unless the Communist party, the KGB and the Soviet Army yield significant power. They also will debate whether changes can come fast enough to avoid widespread unrest and slow enough to permit Gorbachev to hold onto party support.

The two panel discussions, a keynote speech on the future of old guard Communist leaders by Yale law Professor Leon Lipson and a final roundtable discussion by all participants will offer contentious perspectives on one of the most pivotal moments in current history, Benjamin said.

The symposium participants include:

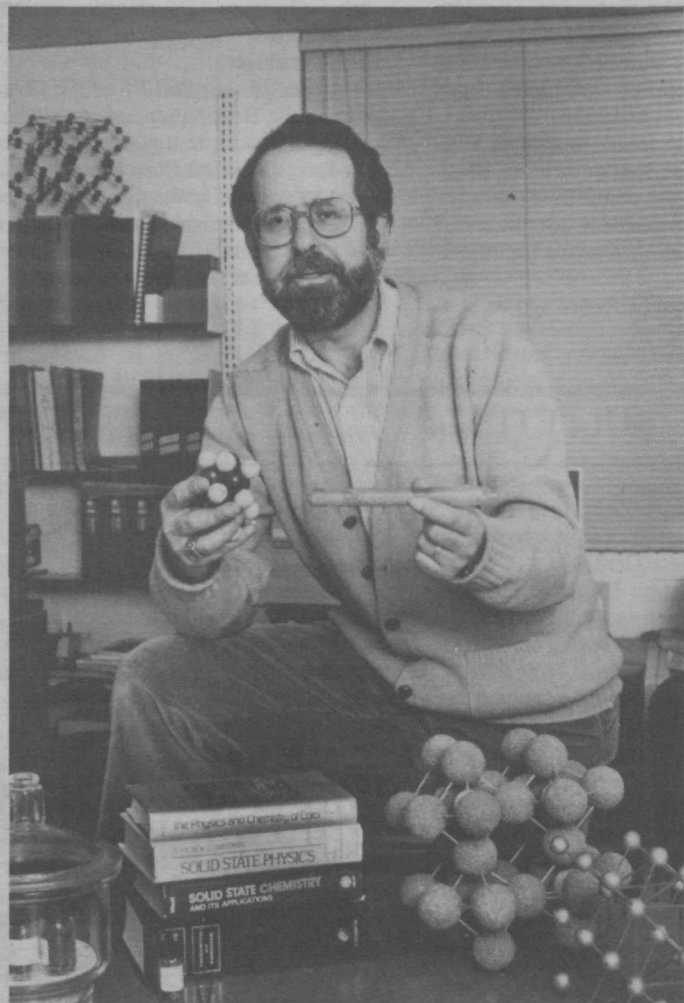
- Leon Lipson, the H.R. Luce Professor of Jurisprudence at Yale, where he has taught law for more than 30 years and has focused his studies on Marxist rhetoric and Soviet and public international law.
- Vladimir Brovkin, a Kennan Institute research scholar who is expected to challenge scholars optimistic about change.
- Peter Maggs, a University of Illinois College of Law professor and author and editor of many books, including "Soviet Law in Theory and Practice."
- Robert Sharlet, a political scientist at Union College who specializes in Soviet and Eastern European political systems.
- Igor Belousovitch, a Soviet Union and Eastern European analyst with the U.S. Department of State.
- Olga Dzhujeva, a Moscow State University professor now studying at Cornell.
- Herbert Hausmaninger, a University of Vienna Law School professor now here.

The symposium will be held in Myron Taylor Hall on Friday, Feb. 16, from 2 p.m. to 5:30 p.m. and on Saturday, Feb. 17, from 9:30 a.m. to 3 p.m.

—Dennis Meredith

—Lisa Bennett

## Scientist sees new effort in solid-state chemistry



David Lynch-Benjamin

Professor Frank DiSalvo with an atomic model of a cluster in a cluster compound (in his right hand) and a quartz tube in which zirconium disulfide crystals were grown by chemical vapor transport.

The chemical synthesis of solid materials remains as much an art as a science, but a resurgence of research in the field promises remarkable new materials, from superstrong plastics to superconductors, according to chemistry Professor Frank DiSalvo.

Writing in Science magazine's special Feb. 9 issue on chemistry and physics of materials, DiSalvo outlines the barriers to advances in solid-state chemistry and describes his work here on metallic cluster compounds and on a possible new class of superconductors.

Even though solid-state chemistry is perhaps the oldest chemical science — beginning with the firing of clay pots — the field remains without a broad theoretical basis, DiSalvo writes. For example, he calls the ability to predict the existence and properties of new compounds "almost nonexistent."

"Thus, the science of solid-state chemistry includes elements of 'art,' such as intuition and insight based on experience rather than the use of predictive models," he said.

Because combinations of different elements can form an almost infinite variety of compounds, chemists cannot predict what new structures will emerge from chemical reactions of solids, DiSalvo writes. Also, they cannot simply deduce the mechanism of how the new structure is formed, partly because the reactions occur deep within the solid mixture, hidden from the observations of the chemists, he writes.

In his article, DiSalvo outlines efforts here to probe new realms of solid-state chemistry. His work focuses on two kinds of compounds: those containing clusters of metal atoms and compounds of nitrogen, called nitrides, that could be high-temperature superconductors.

The metal cluster compounds could prove useful for their electrical, magnetic or catalytic properties, he writes. For example, a compound of molybdenum being studied by him and his colleagues forms long, stiff, wirelike molecules that are 10,000 times thinner than a human hair. The Cornell chemists are now trying to measure the electrical properties of "as small a wire as could ever be obtained or measured."

They also are exploring difficult-to-synthesize nitride compounds whose properties could resemble the new oxide compounds that have proven to be high-temperature superconductors. Such superconductors, which offer no resistance to electricity, could enable vastly more efficient computers and electric power systems.

"While our initial thoughts about nitrides were motivated by high-temperature superconductivity, it has become clear that a broad opportunity to discover new chemistry and perhaps other new phenomena exists in solid-state nitrides," DiSalvo notes.

## Learning supercomputing



Charles Harrington

Thirty-seven high school teachers from throughout New York state attended the "Supercomputing for High School Teachers" workshop here on Feb. 2 and 3. The teachers (above) use terminals in the Cornell National Supercomputer Facility training center to run programs on the university's supercomputer. The workshop provided an overview of supercomputers and their capabilities and highlighted research being pursued here.

## Hillman named associate dean

Robert A. Hillman, a member of the Law School faculty since 1983, has been named associate dean for academic affairs at the school, effective Jan. 22.

According to Law School Dean Russell K. Osgood, Hillman will continue to teach and conduct research as a specialist in contracts and commercial law. He succeeds Charles W. Wolfram, the Charles Frank Reavis Sr. Professor of Law, who has had the added responsibilities of associate dean for academic affairs since 1986.

Hillman is a 1972 graduate of the Cornell Law School and taught at the University of Iowa Law School for eight years before returning to Cornell.

## Fraternities lose probation appeals

Two fraternities that were placed on probation in connection with alcohol-related incidents last fall (Cornell Chronicle, Dec. 7) have lost their appeals. Alpha Epsilon Pi and Theta Chi appeared before the Greek Advisory Board on Jan. 30. The 21-member panel upheld the Dec. 6 decisions by the Greek Judicial Committee.

Acting Dean of Students Howard C. Kramer, who accepted the decision of the appeals panel, has notified the fraternities that their probation begins effective immediately.

Alpha Epsilon Pi is on probation until Dec. 15, 1991; Theta Chi is on probation until June 1, 1990.

## BRIEFS

■ **English as second language:** A biweekly non-credit course in English as a second language aimed at visiting foreign scholars will be offered Feb. 26 through May 9 by the university's Programs in Professional Education. There is a \$450 fee. For information about the course, contact instructor Mary K. Redmond at 272-1854. For registration, contact Mary Newhart at B12 Ives Hall, telephone 255-7259.

■ **Art History:** "Examining Velazquez" will be the topic of discussion at a University Lecture presentation by research scientist Richard M. Newman of the Museum of Fine Arts in Boston, on Wednesday, Feb. 21, at 4:30 p.m. in the Hollis E. Cornell Auditorium of Goldwin Smith Hall.

■ **Bourke retires:** John B. Bourke, professor of chemistry in the Department of Food Science and Technology at Cornell's New York State Agricultural Experiment Station at Geneva and director of the Analytical Laboratories, retired Jan. 31, after 27 years

service at the Station.

■ **Breakfast with Rhodes:** A limited number of openings are available for Cornell students to have breakfast with President Frank H.T. Rhodes. Those interested are invited to call his office at 255-5201 to make a reservation. The breakfasts are held from 7:30 to 8:30 a.m. in the Elmhurst Room of Willard Straight Hall. Reservations are made on a first-come, first-served basis.

■ **Breakfast with Morley:** Senior Vice President James E. Morley Jr. will be the host for regularly scheduled breakfasts for employees through May, beginning with a breakfast on Monday, Feb. 12, at 7:30 a.m. in the Elmhurst Room of Willard Straight Hall. Other dates include Friday, April 6; Monday, April 23; and Friday, May 11. All the breakfasts will be at 7:30 a.m. at locations to be announced. To sign up for a breakfast, call the Office of Human Resources at 255-3621.

## 2 named to lead Hotel School executive education programs

The School of Hotel Administration has appointed two hotel professionals to manage its programs that provide training for leaders in the hospitality industry.

In its new \$35 million Statler Hotel and J. Willard Marriott Executive Education Center, the school offers an advanced management program and a professional development program to hospitality executives and managers in the United States and many countries abroad.

Starting their work in January were:

- Virginia Duffy, former banquet manager of Omni Park Central in New York City. She was named program manager of the school's new Advanced Management Program and other executive education programs.

- Maria Nicolaides, former catering sales manager at the Albany Hilton Hotel. She will manage programs in the school's Center for Professional Development and its international programs.

Starting this autumn, the Advanced Management Program will provide training for senior executives in the hospitality industry. Duffy is a graduate of the Cornell Hotel School's Master of Professional Studies program.

Founded 62 years ago, the Center for Professional Development offers 80 one-week courses for mid-level hospitality managers in June and July each year, annually attracting about 600 managers from North and South America, Europe, Asia and the Middle East. Nicolaides graduated from Cornell's Hotel School in 1988.

In announcing the appointments, J. William Keithan, the school's interim dean, said they "represent the continuing commitment of the school to further strengthen our executive education programs for the hospitality industry."

Keithan retired several years ago as sen-

ior vice president of Westin Hotels and Resorts Inc.

"We are committed to meeting the industry's needs in the area of professional development and are proud that our existing programs are met with great enthusiasm and praise by practicing professionals," he said. "Our plans include even better and more in-depth programs, in which Duffy and Nicolaides will play a large role."

To develop and expand its professional education programs, William Chernish joined the Hotel School last year as its assistant dean for executive education.

"It's a great opportunity and experience to develop and deliver such educational programs to the industry," Chernish said. "Now with the advanced management program ready to take off and with the new meeting facilities of the Statler Hotel, we are bringing to reality what before we only talked about."

The education center is in the Statler Hotel, the school's teaching hotel on the campus. The facility includes advanced equipment for audio and visual instruction and a library that houses a vast collection of historic menus and recipes, text and reference books, and professional journals.

In addition to the Center for Professional Development and Advanced Management Program, the Hotel School offers other executive education opportunities including:

- A two-week program specifically for general managers.
- A seminar entitled Effective Communication in the Hospitality Industry.
- Course work that is part of the requirement for a Certified Club Manager, a designation provided by the Club Managers Association of America, Washington, D.C.
- More than 40 workshops around the world each year.

—Albert E. Kaff

## CORNELL CHRONICLE

EDITOR: Mark Eyerly  
GRAPHICS: Cindy Thiel  
CIRCULATION: Joanne Hanavan

Published 40 times a year, Cornell Chronicle is distributed free of charge to Cornell University faculty, students and staff by the University News Service. Mail subscriptions, \$20 for six months; \$38 per year. Make checks payable to Cornell Chronicle and send to Village Green, 840 Hanshaw Road, Ithaca, N.Y. 14850. Telephone (607) 255-4206. Second-Class Postage Rates paid at Ithaca, N.Y.

POSTMASTER: Send address changes to the Cornell Chronicle (ISSN 0747-4628), Cornell University, 840 Hanshaw Road, Ithaca, N.Y. 14850.

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

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

## GRADUATE BULLETIN

Course enrollment continues through Feb. 9. Bring completed course enrollment forms to Sage Graduate Center.

■ **Doctoral candidates:** Unregistered doctoral candidates wishing to avoid paying the \$200 active-file fee for the spring term must have met all degree requirements by Friday, Feb. 9, including the final defense and the filing of two acceptable copies of the dissertation in the Graduate School office. These students will receive a May degree.

New students must return special committee selection and change forms to the Graduate School by Friday, Feb. 9. For an entering student, the form must bear at least the signature of a temporary adviser.

Dissertation and thesis seminars will be held in the Morison Seminar Room of Corson/Mudd Hall on Monday, Feb. 26, from 11 a.m. to noon for doctoral dissertations and from 1:30 p.m. to 2:30 p.m. for master's theses. The thesis adviser will discuss preparing and filing theses and dissertations.

Research travel grants are available to graduate students for summer or fall 1990 for travel that is directly related to dissertation research. Priority will be given to Ph.D. students who have or will have passed the "A" exam before initiating travel. Application forms are available in graduate field offices.

## Employment News in next issue

A reminder that the weekly editions of Cornell Employment News will be published as a four-page insert in the Cornell Chronicle starting next week.

Employment News includes a listing of job opportunities on campus and information on employment-related topics such as career development, benefits, retirement, tax laws and equal-opportunity issues.



Claude Levet

The 1988 Green Dragon

## Architecture cancels annual dragon parade

The only green dragon on the Arts Quadrangle this year is going to be the coffeehouse of the same name, but that doesn't mean architecture students won't do something to celebrate spring and their annual costume ball.

Last week, the Architecture Department announced its decision to cancel the annual Dragon Day parade, saying it has become too dangerous and too costly.

"There was tremendous violence to students and to innocent bystanders last year, especially with frozen oranges, bricks, frozen mud and at least one bottle thrown at one of our students who, luckily, was wearing a helmet," said Val Warke, chairman of the Architecture Department. "Also, I am told there was one person who lost hearing in one ear because of a firecracker explosion."

Acting Dean of Students Howard Kramer added, "What started as an occasional snowball has become a virtual barrage of missiles, and as the crowd has grown larger — an estimated 8,000 to 10,000 last year — throwing stuff has become the reason for coming for some people."

Besides concern for personal injury, there were other considerations in discouraging the event, officials said. The parade has become expensive: Its costs include overtime pay for off-duty Public Safety officers and clean-up crews, as well as possible legal liability for injuries and property damage.

The issue came to a head last May when Senior Provost Robert Barker sent a letter advising Architecture, Art and Planning Dean William McMinn that the university "cannot ignore the mounting level of aggression that surrounds the Green Dragon event. . . . I ask that you and your colleagues in the college undertake a thorough review of the situation with Public Safety and legal counsel." Barker also asked that the college provide, through Vice President for Campus Affairs William Gurowitz, "a proposal for future events that can be reviewed during the fall term, so that measures can be planned if the event is to continue."

Without the support of Day Hall, the Architecture Department and its students cannot afford the expenses of Dragon Day, Warke said. Therefore, the department decided not to cancel classes to allow time for dragon-building, not to allow its facilities to be used for construction and not to sign a parade permit.

But the architecture chairman doesn't necessarily see this as a great loss.

"Although it was a valuable exercise and the first thing these students build as architects — from conception to production and detailing, and they learned how materials go together and how to work as a team — it was really supposed to be a prank and unpredictable," he said.

"Dragon Day can be practically anything. In the past, students have built a dragon on a Volkswagen frame and driven it up and down the Arts Quad; when Olin Library was being built, they painted a dragon on plywood panels marking the construction site; one year they brought dragon puppets into classrooms. The dragon as we think of it is only 10 years old.

"It has become rather predictable, and combined with the bureaucracy, it's exactly counter to what a dragon day should be," Warke added. "These are all creative students, so they are seeing this as their challenge: to reconsider and redefine what Dragon Day means. They'll probably go ahead with their Beaux Arts Ball anyway.

"You can say serpent eggs have been spotted in Rand Hall . . . they seem to be planning something, whether just the ball or something else," he added.

—Carole Stone

## Weather watchers mark 100 years of record keeping

The radio weatherman is predicting clearing skies and temperatures in the high 30s as Dan Samelson leaves the comfort of his car at 8 a.m. and dashes through the wind-driven, face-stinging sleet to a cluster of meteorological instruments in a field overlooking Ithaca.

It's not forecasts but the weather-that-was that concerns the Cornell meteorology graduate student. The data he records eventually may prove useful to crop experts and farmers, power companies, environmentalists, civil engineers, architects, biologists — even to other meteorologists as they try to improve the accuracy of their forecasts.

Along with about 10,000 other cooperative weather observation stations throughout the United States, the Cornell-run outpost in Ithaca will this year celebrate the 100th anniversary of the National Weather Service's network of civilian weather watchers.

And when the Weather Service (which celebrates its own 120th birthday on Feb. 9) honors cooperative weather stations' with 100 years of daily records, the Ithaca station will be one of them. So will the station at Setauket, Long Island, where members of the Strong family haven't missed a day since 1885, and the station in Cooperstown, N.Y., which has had only six different observers since 1854.

"Measuring the precipitation for the previous 24 hours and recording the maximum and minimum temperatures at the same time every day is not too difficult, but it does take dedication," said Keith Eggleston, the New York state climatologist who is stationed in Cornell's Meteorology Unit.

"Professional meteorologists can't be everywhere, so the National Weather Service depends on the network of civilian weather observers in hundreds of strategic locations."

The observers report their daily temperature and precipitation observations each month to the National Climatic Data Center in Ashville, N.C., where they become part of the official record, Eggleston said. As legally admissible evidence, the weather records often figure in court cases.

The Cornell climatologist, who had just furnished state police with information about the weather on Dec. 22 and 23 when a family of four was murdered near Ithaca, listed other uses of historic weather data:

- Agricultural scientists developing new crop varieties use weather data to calculate "growing-degree days" to help determine whether plants will be suitable for various regions in the country. "Heating degree days" and "cooling degree days" figure in utilities' planning for energy demand.
- Environmental consultants use weather data to assess the impact of new facilities such as toxic waste dumps and nuclear power plants.
- Civil engineers and architects rely on weather records



Charles Harrington

Dan Samelson records weather data.

to predict the recurrence of natural disasters such as floods, high winds and heavy snowfall.

- Biologists studying wild animals look at weather patterns for clues to changes in population size.

Eggleston is now researching temperature records to help experts determine areas of the Northeast best suited to producing maple syrup. The project also will try to determine the effect on maple trees of the previous summer's weather.

"A few years ago, there was interest in data on solar radiation and wind speeds," Eggleston said. He noted that reliance on historic data helped to prevent construction of solar and wind facilities where they wouldn't be effective.

Inside a shed at the Ithaca station, Samelson turns off a hot plate. The container he removed from the rain gauge is warm enough to melt its contents. Two inches of ice, slush and snow — the cause of 13 fender-benders, two broken hips and a lot of changed plans — has been reduced to two-tenths of an inch of water.

He marks the precipitation figure on a chart, replaces the container and heads back to his car. An icy glaze of today's weather already has formed on the windshield.

—Roger Segelken

## The highs, lows, wets and drys of Ithaca weather

Among the weather records for Ithaca are these:

- The coldest December was last year's, when the average temperature was 14.2 degrees Fahrenheit, or 13.4 degrees below the normal monthly average.
- The coldest temperature recorded in Ithaca was minus 35 degrees Fahrenheit on Feb. 9, 1934, "although we now have some question about the accuracy of the instruments that day," Eggleston said. The second-coldest was minus 25 degrees on Feb. 2, 1961.
- The warmest day was July 9, 1936, when the temperature on campus reached 103 degrees.
- The wettest month was July 1935 when a total of 12.59 inches of rain fell — including 4.60 inches one day — and downtown Ithaca flooded.

- The snowiest winter was 1977-78 when 120.7 inches fell, including 54 inches in January.

In addition to the usual temperature and precipitation measurements, the Cornell station makes observations of interest to the university's agricultural scientists such as soil temperature, solar radiation, wind speed and direction, and the rate of evaporation. The station is visited once at day, usually around 8 a.m. by a graduate student in meteorology, to make the official observations. Once an hour, a computer in Bradfield Hall, the headquarters for the university's meteorology unit, places a telephone call to the Game Farm Road station by phone and records readings on a data logger.

—Roger Segelken

## Boehlert announces optoelectronics grant

A consortium led by Cornell will share a multimillion-dollar grant from the Defense Advanced Research Projects Agency (DARPA) to fund research in optoelectronics.

Last week, Rep. Sherwood Boehlert (R-N.Y.) announced that the Cornell consortium would be awarded between \$6 million and \$7 million for the research. However, a DARPA spokesperson said that the amount has not yet been determined, and a DARPA press release said that "DARPA is exploring the possibility" of awarding contracts to consortia led by Cornell and by the University of New Mexico.

The grant arose because three university consortia have been competing for a \$12.5 million DARPA grant to establish an Optoelectronics Materials Center. On Jan. 17, DARPA announced that a consortium led by the University of Southern California would receive that contract. However, DARPA also said that the Cornell and University of New Mexico proposals were of such outstanding quality that further funds would be awarded to them.

The Cornell consortium also includes Rensselaer Polytechnic Institute, Syracuse University, the University of California at Santa Barbara and UC-San Diego.

Principal investigator for the Cornell consortium is Chung L. Tang, the Spencer T. Olin Professor of Engineering in the School of Electrical Engineering.

Optoelectronics is the technology that combines optics and electronics for applications such as using light to carry information. Optical transmission systems can carry far more information and are cheaper than conventional electri-

cal transmission systems. Such high-capacity links are needed for high-definition television, sophisticated remote-sensing systems and other applications where high data-transmission rates are necessary.

The optical-fiber communications networks now replacing copper wires nationwide represent only the beginning of an immense optoelectronics industry to come. Experts expect today's \$10 billion annual market to expand to \$100 billion by the turn of the century.

According to Tang, the Cornell optoelectronics research will center on developing advanced materials, processing techniques and devices for applications such as optical communications and data processing. The work also will emphasize monolithically integrated optoelectronic devices — devices that incorporate all the lasers and other optical components, as well as electronic components, on a single chip.

To aid its optoelectronic research effort, Cornell has constructed several new research facilities. The School of Electrical Engineering recently announced construction of a \$4 million facility called the OMVPE Laboratory, for Organometallic Vapor-Phase Epitaxy. That laboratory will include special reactors in which minuscule streams of metal vapors will be used to grow crystalline lasers and transistors with control of their structure at atomic dimensions. The facility is among the largest at any university.

Cornell also has applied to New York state for funds to aid optoelectronic research in the state.

—Dennis Meredith

# CALENDAR

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

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

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

## DANCE

### Cornell International Folkdancers

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

A planning meeting will be held Feb. 11, 6:30 to 7:30 p.m.; instruction and requests, 7:30 p.m. to 10:30 p.m., North Room, Willard Straight Hall.

### 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.

"Robert Cottingham: A Print Retrospective, 1972-1986," an exhibition featuring more than 50 prints focusing on Cottingham as a print maker, through March 7.

"Vanishing Presence," an exhibition examining blurred and out-of-focus effects in the work of 12 contemporary photographers from the United States and Europe, to March 25.

"Mystery Video Workshop," a workshop for students ages 8 through 12, will be offered on Feb. 10, 10 a.m. to 1 p.m. and 2 p.m. to 5 p.m. Film maker Michael Rubbo will teach participants how to develop a storyline, act out a script and produce a live-action mystery video. Preregistration for the workshop is required. A fee of \$5 for museum members and \$6 for non-members. For information and to register, contact the education department at 255-6464.

A bus trip to the Museum of Fine Arts in Boston for the exhibition "Monet in the '90s: The Series Paintings," March 10 and 11. For reservations and questions contact the community relations department, 255-6464.

### Center for Jewish Living

"Escape to Hollywood: Emigre Film Makers from Nazi Germany," an exhibit organized by the German Film Museum of Frankfurt, through March 16, 1 to 5 p.m. daily except Saturday and Jewish holidays, Center for Jewish Living, 106 West Ave.

### Hartell Gallery

Dionigi Cossu: "Paintings and Works on Paper," through Feb. 16. The gallery is in Sibley Dome and is open Monday through Friday, 8 a.m. to 5 p.m.

### Tjaden Gallery

Graduate Student Group Show: "Off the Wall," through Feb. 10; Sculpture Group Show (all classes), Feb. 12 through Feb. 17. The gallery is in Tjaden Hall.

## FILMS

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

### Thursday, 2/8

"Comic Book Confidential" (1988), directed by Ron Mann, with Lynda Barry, R. Crumb, Jaime Hernandez, Harvey Kurtzman, Stan Lee, Harvey Pekar and Art Spiegelman, 7:30 p.m., Uris.\*

"Shri Ram Vows to Destroy Demons," a video saga "Ramayan," an Indian epic, co-sponsored by the South Asia Program and Cornell University Libraries, 7:30 p.m., 310 Uris Library.

"Champions of Wildlife," with guest film maker Peter Argentine, a Cornell graduate, sponsored by Pentangle, co-sponsored by the Cornell Greens, 7:30, Willard Straight.

"Sea of Love," directed by Harold Becker, with Al Pacino and Ellen Barkin, 9:45 p.m., Willard Straight.\*

### Friday, 2/9

"Subject: Narcotics and Other Ephemeral Films (1988), directed by Richard Prelinger, with Prelinger as guest, 7:30 p.m., Willard Straight.\*

"A Very Old Man With Enormous Wings" (1988), directed by Fernando Birri, with Daisy Granados and Fernando Birri, 7:30 p.m., Uris.\*

"I'm The One You're Looking For" (1989), directed by Jamie Chavarri, with Patricia Adriani, Chus Lampreave and Richard Borrás, 9:45 p.m., Uris.\*

"Sea of Love," 10:30 p.m., Willard Straight.\*

### Saturday, 2/10

"Clean and Sober" (1988), directed by Glenn Caron, with Michael Keaton, Kathy Baker and Morgan Freeman, 6:45 p.m., Willard Straight.\*

"I'm The One You're Looking For," 7:30 p.m., Uris.\*

"Sea of Love," 9:30 p.m., Willard Straight.\*

"A Very Old Man With Enormous Wings" (1988), directed by Fernando Birri, with Daisy Granados and Fernando Birri, 9:45 p.m., Uris.\*

"Comic Book Confidential," midnight, Willard Straight.\*

### Sunday, 2/11

"The Suspended Vocation" (1977), directed by Raul Ruiz, co-sponsored by Romance studies, 2 p.m., Johnson Museum.

"Shurpanakha Fails to Charm Shri Ram" and "Shri Ram Avenges Khar and Doorshan," video saga "Ramayan," an Indian epic, co-sponsored by the South Asia Program and Cornell University Libraries, 3:30 p.m., 310 Uris Library.

"Comic Book Confidential," 4:30 p.m., Willard Straight.\*

"Scarlet Street" (1945), directed by Fritz Lang, with Edward G. Robinson, Joan Bennett and Dan Duryea, 8 p.m., Willard Straight.\*

### Monday, 2/12

"8 1/2" (1963), directed by Federico Fellini, with Marcello Mastroianni, Claudia Cardinale and Anouk Aimee, 6:45 p.m., Willard Straight.\*

"Sea of Love," 8 p.m., Willard Straight.\*

### Tuesday, 2/13

"Looking for Langston" (1988), directed by Isaac Julien, with Ben Ellison, Matthew Baidoo and John Wilson, co-sponsored by Third World Program Board, 7:30 p.m., Willard Straight.\*

"True Love" (1989), directed by Nancy Savoca, with Annabella Sciorra, Ron Eldard and Aida Turturro, 9:30 p.m., Willard Straight.\*

### Wednesday, 2/14

"Bantsuma: The Life of Tsumasaburo Bando" (1980), directed by Shunsui Matsada, with Takahiro Tamura, Shizuko Mori and Utako Tamaki, co-sponsored by East Asia Program, 4:30 p.m., Willard Straight.

"King Lear (Kozintsev)" (1971), directed by Grigori Kozintsev, with Uri Yarovet, Elsa Radzin and Galina Volchek, co-sponsored by the English Department, 6:45 p.m., Willard Straight.\*

"True Love," 9:45 p.m., Willard Straight.\*

### Thursday, 2/15

"Gross Anatomy" (1989), directed by Stihom Eberhardt, with Matthew Modine, Daphne Zuniga and Christine Lahit, 7:20 p.m., Willard Straight.\*

"Sita and the Golden Deer," a video saga "Ramayan," an Indian epic, co-sponsored by the South Asia Program and Cornell University Libraries, 7:30 p.m., 310 Uris Library.

"Diary for My Children" (1983), directed by Marta Meszaros, with Zsuzsa Czinkoczi and Anna Polonay, 7:30 p.m., Uris.

"Depeche Mode 101" (1989), 9:45 p.m., Willard Straight.\*

## LECTURES

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

"The Dynamical Structure of Molecules: Toward a Chemical Understanding of Reactivity," Raphael D. Levine, Max Bom Professor of Natural Philosophy, and director, Fritz Haber Research Center for Molecular Dynamics, The Hebrew University, Jerusalem and A.D. White Professor-at-Large, Feb. 8, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

### Classics

"Museland," Patricia Easterling, University College, London, first of seven Townsend Lectures on "Regions of the Mind: Place and Places in Greek Literature," Feb. 13, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

### Near Eastern Studies

"Columbus and the Jews," Kirkpatrick Sale, co-sponsored by Jewish Studies Program, Feb. 14, 4:30 p.m., 230 Rockefeller Hall.

### Philosophy Students' Association

"Tootsie Roll Metaphysics: Some Problems for Studies of Race Gender," Elizabeth Spelman, Smith College, Feb. 8, 4:30 p.m., Guerlac Room, A.D. White House.

### Society for the Humanities

"Romantic Ideology and Revolutionary Ideology: Scott's Historicism," Paul Hamilton, English, Exeter College, Oxford University, co-sponsored by the Department of English, Feb. 12, 4:30 p.m., Guerlac Room, A.D. White House.

"Family Images & Sexual Politics in the French Revolution," Lynn Hunt, history, University of Pennsylvania, Feb. 14, 4:30 p.m., A.D. White House.

### University Library

"Women's Politics in Theory and Practice: The Development of the Women's Alliance in Iceland," Thorunn Sigurdardottir, visiting curator, Fiske Icelandic Collection and Sigrun Helgadóttir, naturalist, teacher, secretary for Women's Alliance Parliamentary Group, and chaired by University Librarian Alain Sezec. Co-sponsored by Department of Government, Women's Studies and Western Societies Programs, Feb. 15, 4 p.m., Guerlac Room, A.D. White House.

## MUSIC

### Department of Music

Javier de la Torre, composer, conductor, guitarist, will perform on Feb. 9 at 8:15 p.m. in Barnes Hall. The program includes de la Torre's "Alegoria" for tape and percussion ensemble, played by the Ithaca College Percussion Ensemble; "Coloquio IV," featuring Frank Campos, trumpeter and Christopher Morgan Loy, pianist; "Trece Monedas" with Keith Earle, bass, Christopher White, cellist and Javier de la Torre, guitarist.

"Music for the Steel Qin," with Margaret Leng Tan, renowned pianist from Singapore, Feb. 10, 8:15 p.m., Barnes Hall. A leading exponent in new music, Tan has been hailed by "The Village Voice" as "the world's premiere string piano virtuoso." The first woman to graduate with a doctorate from The Juilliard School, Tan has evolved a highly individual approach to her instrument where sound, choreography and drama assume equal significance.

David Breitman, fortepiano, and Jean-Francois Rivest, violin, perform an all Mozart program on Feb. 14 at 8:15 p.m. in Barnes Hall. The program features Sonata in G Major, K. 301; Sonata in A Major, K. 526; Sonata in F Major, K. 377; and Sonata in D Major, K. 306. Rivest is artistic director of L'Orchestre de Chambre du Saguenay/Lac St. Jean and teaches at the Conservatoire de Musique in Chicoutimi, Canada. Breitman is pursuing doctoral studies with Malcolm Bilson.



Peter Schaaf

### Cassatt String Quartet

Cassatt String Quartet with composer David Diamond, will perform in concert on Feb. 11 at 4 p.m. in Barnes Hall. Featured compositions will include Andrew Waggoner's "A Song . . . (strophic variations for string quartet)"; David Diamond introducing his "String Quartet No. 3"; Ruth Crawford's "String Quartet"; and Henri Dutilleul's "Ainsi la nuit."

### Bound for Glory

Bruce Pratt, with a repertoire that ranges from country to blues, will perform three live sets in the Commons Coffeehouse, Anabel Taylor Hall, on Feb. 11, 8:30, 9:30 and 10:30 p.m. Bound for Glory can be heard Sundays from 8 to 11 p.m. on WVBR-FM, 93.5.

### Cornell Concert Commission

"Erasure" will perform in concert on Feb. 22 at 7:30 p.m. in Barton Hall. General admission tickets are \$12 for students (2 tickets per CU ID) and \$16 for the general public. Tickets are on sale at the Willard Straight Ticket Office, Rebop Records, Ithaca Compact Disc, and all Teletron/Telecharge outlets (1-800-382-8080).

## RELIGION

### Sage Chapel

Festival of Black Gospel: Bishop Franklin Turner, Episcopal Church, Diocese of Philadelphia, will deliver the sermon at Sage Chapel on Feb. 11. Services will begin at 11 a.m. Music will be provided by the local mass choir under the direction of Jonathan Smith. Sage is a non-sectarian chapel that fosters dialogue and exploration with and among the major faith traditions.

### Baha'i

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

### Catholic

Mass: Saturdays, 5 p.m., Anabel Taylor Auditorium.

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

### 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. Call 272-8755 for information.

### Jewish

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

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

### Korean Church

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

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

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

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

SEMINARS

**Applied Mathematics**  
"Aspects of Analysis and Control of Chaotic Systems," Gottfried Mayer-Kress, Los Alamos, Feb. 9, 4 p.m., 322 Sage Hall.

**Astronomy**  
"Saturn's Rings: The Voyage 3000 Day Report," Luke Dones, CITA, Toronto, Feb. 8, 4:30 p.m., 105 Space Sciences Building.  
"WIMP Evaporation from Stars: Implications for Planetary Atmospheres," Andrew Gould, Institute of Advanced Study, Feb. 15, 4:30 p.m., 105 Space Sciences Building.

**Biochemistry, Molecular & Cell Biology**  
"Messenger RNA 3 Prime End Formation in *E. coli* and *S. cerevisiae*," Terry Platt, biochemistry, Feb. 9, 4 p.m., Large Conference Room, Biotechnology Building.

**Biophysics**  
"NMR Studies of Protein Dynamics and Folding," Christopher Dobson, Inorganic Chemistry Laboratory, University of Oxford, England, Feb. 14, 4:30 p.m., 219 Baker Laboratory.

**Center for International Studies**  
"New Phases in the Democratization of Norwegian Work Life," Thoralf Ulrik Qvale, director, Norwegian Work Life Center, Feb. 8, 4 p.m., 153 Uris Hall.

**Chemical Engineering**  
"Dynamical Stereochemistry," R.D. Levine, Hebrew University, Jerusalem, Feb. 13, 4:15 p.m., 245 Olin Hall.

**Chemistry**  
Special Seminar, "Fluids at High Pressures and Temperatures," E.U. Franck, University of Karlsruhe, Feb. 9, 1:25 p.m., 135 Baker.  
"Wentink Symposium, Doug Hudgins, Yeon Kyun Shin and Jon Stewart, Feb. 9, 3:30 p.m., 119 Baker.  
Organic Chemistry Seminar, "Synthetic Uses of Carbanions Produced by Reductive Cleavage of Carbon-Heteroatom Bonds," Ted Cohen, Feb. 12, 4:40 p.m., 119 Baker Laboratory.

**Cornell Information Technologies**  
"Point Five Demo (Problem Solving Across the Curriculum)," Dan Apple, president, Pacific Crest Software Co., Feb. 15, 3 p.m., 100 Caldwell Hall.

**Ecology & Systematics**  
"Using Simple Models to Address Problems in Applied Ecology: Wisdom or Foolishness?" Peter M. Kareiva, zoology, University of Washington, Feb. 14, 4:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

**English**  
"Romantic Ideology and Revolutionary Ideology: Scott's Historicism," Paul Hamilton, Exeter College, Oxford University, Feb. 12, 4:30 p.m., A.D. White House.

**Epidemiology**  
"Repeated Measures Analyses," Charles E. McCulloch, plant breeding and biometry, Feb. 9, 12:20 p.m, 260 Warren Hall.

**Electrical Engineering**  
"Performance Analysis of Communication Networks," Venkatachalam Anantharam, electrical engineering, Feb. 13, 4:30 p.m., 219 Phillips Hall.

**Environmental Toxicology**  
"Effects of Global Climate Change," Mark Harwell, Global Environment Program, Feb. 9, 12:20 p.m., 304 Fernow Hall.

**Floriculture & Ornamental Horticulture**  
"Establishing and Managing Wildflower Meadows," Rick Manning, landscape designer, Trowbridge & Associates, Feb. 8, 12:15 p.m., 404 Plant Science Building.  
"International Market for Cut Floriculture Products," Enrique Figueroa, agriculture economics, Feb. 15, 12:15 p.m., 404 Plant Science Building.

**Food Science**  
"Potential Mass Production of Specific Proteins from Genetically Engineered *E. coli*: An Engineer's Perspective," Michael L. Shuler, chemical engineering, Feb. 13, 4:30 p.m., 204 Stocking Hall.

**Genetics & Development**  
"The Genetics of Tryptophan Biosynthesis in Arabidopsis," Robert Last, molecular biology, Boyce Thompson Institute, Feb. 12, 4 p.m., Conference Room, Biotechnology Room.

**Geological Sciences**  
"Diffuse Extension in Back-arc Settings: Examples From the Mediterranean," Kim Kastens, Lamont-Doherty Geological Observatory, Feb. 13, 4:30 p.m., 1120 Snee Hall.

**History & Philosophy of Science & Technology**  
"Galileo: Uncommon Philosopher or Platonic Metaphysician?" Gary Hatfield, philosophy, University of Pennsylvania, Feb. 14, 4:30 p.m., 110 Rockefeller Hall.

**Industrial & Labor Relations**  
"Human Resource Management Systems and the Productivity of U.S. Manufacturing Businesses," Casey Ichniowski, Columbia University, Feb. 9, 1:30 p.m., 212 Ives Hall.  
"The Supreme Court and Labor Law: A Rational Choice Perspective," Rafael Gelv, University of Illinois, Feb. 13, 4 p.m., 112 Ives Hall.

**International Nutrition**  
"The Methodology of Positive Deviance Studies," Frank Young, rural sociology, Feb. 8, 12:15 p.m., 200 Savage Hall.

**International Studies in Planning**  
"Women's Service Employment in France, Germany, Japan, Sweden and the U.S.," Susan Christopherson, Feb. 9, 12:15 p.m., 115 Tjaden Hall.

**Jugatae**  
"A Phylogenetic Look at the Mating Systems of Primitive Lepidoptera," David Wagner, ecology and evolutionary biology, University of Connecticut, Feb. 12, 4 p.m., Morison Seminary Room, Corson/Mudd Hall.

**Latin American Studies Program**  
"Political Violence in Peru: Origins, Prospects and Current Situation," Carlos Ivan Degregori, Instituto de Estudios Peruanos, a talk in Spanish, translated by Mary Jo Dudley, Feb. 9, noon, G-08 Uris Hall.

**Mechanical & Aerospace Engineering**  
"Mechatronics - A New Dimension in Mechanical Engineering," Soren Andersson, The Royal Institute of Technology, Stockholm, Feb. 13, 4:30 p.m., 107 Upson Hall.

**Microbiology**  
"Biochemistry of Acetate Conversion to Methane in *Methanosarcina thermophila*," James G. Ferry, anaerobic microbiology, Virginia Polytechnic Institute and State University, Feb. 8, 4:30 p.m., 124 Stocking Hall.

**Natural Resources**  
"Like Early Mist: The Sarawak Dayaks and Their Vanishing Rainforests," Carol Rubinstein, visiting scholar, Feb. 13, 12:20 p.m., 304 Fernow Hall.

**Neurobiology & Behavior**  
"Deceit, Deception and Mayhem: Aggressive Mimicry in the Jumping Spider," Stim Wilcox, biological sciences, SUNY, Binghamton, Feb. 8, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.  
"Hormonally Induced Organization and Reorganization of Neural Circuits," Art Arnold, psychology, UCLA, Feb. 15, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

**Nutrition**  
"Gerber's Project 96: Food Needs of the Elderly," Richard Coter, director of nutrition, Gerber Products, Feb. 12, 4:30 p.m., 100 Savage Hall.

**Operations Research & Industrial Engineering**  
Manufacturing Engineering, panel discussion on Japanese Manufacturing Practices, Feb. 8, 4:30 p.m., B-14 Hollister Hall.



The Clark Sisters will open the 14th annual Festival of Black Gospel with a Bailey Hall concert on Friday, Feb. 9, at 7 p.m. The traditional Mass Choir open rehearsal with more than 250 singers from throughout the Northeast will take place in Bailey Hall on Saturday, Feb. 10, from 11 a.m. to 3:30 p.m. The Mass Choir will give a free concert in Bailey Hall at 7 p.m. on Saturday. The Festival will conclude with a Convocation Worship Service at Sage Chapel at 11 a.m. on Sunday, Feb. 11, with Bishop Franklin Turner, Episcopal Diocese of Philadelphia, giving the sermon.

Opera to feature works by Mozart, Brahms

Soprano Benita Valente and mezzo-soprano Tatiana Troyanos, accompanied by pianist Warren Jones, will give the next concert in the Bailey Hall "Great Soloists and Orchestra Series" on Thursday, Feb. 22, at 8:15 p.m.

The program will include arias from two operas by Mozart, "Cosi fan tutte" and the "Marriage of Figaro," and songs and arias by Johannes Brahms, Alban Berg, Charles Gounod, Faure and Georges Bizet.

Just a few weeks ago, Ithaca audiences had an opportunity to hear Troyanos in the role of Dorabella in the Metropolitan Opera's Saturday afternoon broadcast of "Cosi fan tutte." She also has been heard in the opera houses of Chicago, San Francisco and Paris and at Milan's La Scala.

Troyanos, whose voice is known for its great versatility, has appeared in several new Metropolitan Opera productions under the direction of James Levine, most recently as Prince Orlovsky in "Die Fledermaus." She is a successful Wagnerian who has maintained the vocal agility to sing Handel and Mozart.

Valente, a celebrated interpreter of lieder, chamber music and oratorio, made her Metropolitan Opera debut in 1973 as Pamina in Mozart's "The Magic Flute" and then became soprano-in-residence at the Marlboro Music Festival, where her collaboration with pianist Rudolf Serkin, in concerts and on records, won great recognition.

She is an annual participant in Lincoln Center's Mostly Mozart Festival and frequently appears at Tanglewood, at the Ravinia Festival and at summer festivals in Europe.

Both singers are major recording artists, and their albums can be found on labels such as DGG, CBS and RCA.

Tickets for the concert are on sale at the Lincoln Hall ticket office Monday through Friday mornings, telephone 255-5144, and at the Center Ithaca Box Office, Tuesday through Saturday, 11:15 a.m. to 4:30 p.m.

Tickets for the general public are \$15.50 to \$25; for students, \$13.50 to \$21.50.

—Carole Stone

New-music festival slated for spring term

The Music Department is spreading the spring half of its annual Festival of Contemporary Music over the entire semester, instead of presenting it in one weeklong event.

This spring's concerts range from Stravinsky to electro-acoustic music, its performers from Cornell doctoral candidates to well-known guest artists. Schedules are available in the Music Department office in Lincoln Hall.

Among the highlights of the program, according to music Professor Steve Stucky, who has organized the festival in past years, is "Music for Steel Qin," Asian piano music to be played by Margaret Leng Tan on Feb. 10.

"You never hear brand-new piano music by Japanese and Chinese composers," Stucky said, describing the unusual opportunity.

He also noted that "The Cassatt String Quartet," four young women from New York City who named themselves after the painter Mary Cassatt, will perform here on Sunday, Feb. 11.

"They have been winning numerous prizes, and they have an interesting program planned, including work by Ruth Crawford Seeger, who's famous but seldom heard. They're also playing a piece by David Diamond, a senior American composer, and he will be there for the performance and will speak about his music," Stucky said.

Karel Husa will conduct the Cornell Wind Ensemble in a new version (for chorus and wind ensemble) of his "Apotheosis of this Earth" with the Glee Club and Chorus on Sunday, March 11.

"It's fairly rare to get to see him [Husa] conduct here, and the piece has been played here only a couple of times," said Stucky.

Seventy-five-year-old pianist Leonard Stein, who was a disciple and assistant to Arnold Schoenberg in California, will be guest pianist with Cornell Musica Nova performing works by Schoenberg, Berg and Webern on Saturday, April 7.

See the "Music" listing in the Calendar for information about this week's events, and check the Chronicle Calendar each week for future festival listings.

—Carole Stone

<p><b>Ornithology</b> "Ecology and Management of the Caribbean Flamingo in Yucatan, Mexico, Guy Baldassarre, SUNY, College of Environmental Science and Forestry, Feb. 12, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.</p> <p><b>Peace Studies Program</b> "Stability and Instability: Analysis of International Security and Arms Control Problems Us-</p>	<p>ing Nonlinear Dynamical Systems Theory," Gottfried Mayer-Kress, Los Alamos National Laboratory, Feb. 8, 12:15 p.m., G-08 Uris Hall.</p> <p>"Verifying a Fissile Material Production Cutoff and the Retirement of Nuclear Warhead Material: Some International Opportunities," Lawrence Scheinman, Feb. 15, 12:15 p.m., G-08 Uris Hall.</p>
---	---

Continued on page 8

## Artist said no to mathematics in order to follow his dream

During the March opening of Kevin Clarke's exhibit of self-portraits — some clad, some nude — his mother was serving home-baked apple pie in the foyer of Tjaden Gallery.

"Stop doing this," the 1989 Cornell alum finally exhorted her. "You haven't looked at any of the paintings yet." Then he escorted her into the gallery, where, as he recently put it, she saw "her son, all of her son, on the wall for all to see."

She gulped. She sought the company of her husband. And she suggested, "I'll just look at them from the waist up."

This is the kind of reaction — "People will be disturbed" — that Clarke's paintings often elicit from viewers, according to the painter who last year became the first Cornell student to win a fellowship to the Skowhegan School in Skowhegan, Maine, one of the nation's most prestigious summer art schools.

Clarke paints not always nude figures but usually sad or tortured ones — torsos with limbs hacked off, powerful men who are bound by something beyond their control, women grasping for help.

But the striking thing is "the work belies the person," said Victor Kord, the Art Department chairman.

"I'm sort of a jokey-goofy guy," Clarke explained during a visit to Cornell in November, where he spoke to students about his experience at Skowhegan.

Perhaps he is "jokey-goofy" about life, but certainly not about art.

"I remember the first day I met him," said Elisabeth Meyer, an assistant professor of art who was Clarke's first adviser here. "He had absolutely no fear of what he was about to embark upon. I remember thinking, 'Well, you're in for something.' But he never did succumb."

"He is a very aggressive pursuer of ideals and ideas and is not the least bit fearful of what he might find, which is unusual."

The son of an Easton, Pa., X-ray clerk and pharmaceutical production supervisor, Clarke is the first artist in his family — a position that he said makes him try harder.

"You have to prove yourself, prove that what you are doing is valid," Clarke explained. "I had a friend in high school who had the art background in his family and it just seemed such a natural thing for him. For me, it was sort of an unnatural thing. That kind of spurred me on."



Kevin Clarke

Yet he was long torn between art and the more "practical" field of mathematics. He came to Cornell because its dual-degree program permitted him to study both fields. But two years ago, while preparing to spend a semester abroad, he forced himself to choose.

"My parents were hoping I would do the math thing," he said. But, he couldn't.

During his studies at Cornell, Clarke created quasi-fantastical paintings that consisted largely of self-portraits with the heads off the edge of the canvas.

"I tried to make things as emotional as possible and get a reaction without the facial expression, which can step over the rest of the painting," he explained.

"He was one of the very most talented students emerging from a talented class,"

Kord said. Nonetheless, when the Skowhegan School requested last fall that Cornell's art and sculpture programs recommend two students, Clarke was not the first choice.

It was not, in fact, until the weekend before the spring deadline that someone realized that the Art Department could nominate a second person because the sculpture program had no recommendation. They asked Clarke if he could prepare a portfolio in a few days.

"I was getting ready for the show at the Tjaden Gallery and totally stressed out and said, 'Of course, I'll do it,'" Clarke recalled. Skowhegan selected him over the first nomination.

At the school, Clarke conducted research in some of the library's 15,000 books, and

he painted; he listened to taped lectures by artists who visited the school over the past 44 years, and he painted; he discussed art with teachers and more than 60 students, and he painted; he talked to the cows, listened to the loons, played with a yo-yo, and he painted.

For nine weeks, he devoted himself to nothing but art. This opportunity to focus and the school's ethic — "that you're expected to reach new levels" — prompted him to turn from painting headless figures to painting dismembered figures of stone. "If it's stone, I can hack it up. It's easier to do," Clarke said.

"For the real world, it's about understanding different body gestures . . . I think there is a wealth of expression in the little things we can do, the way we hold our hand."

One painting, called "Sister," shows a statue of a nude woman thrusting her chest forward, suggesting a forceful personality. Yet her right hand is reaching skyward, desperately imploring the heavens for help. And her fingertips are broken off, her plea hopeless.

Only after Clarke completed some of these works did he step back and recognize, "Oh, my God, it's an externalization of my dark side."

What dark side? The artist resists a full explanation of his paintings, invoking Matisse's words that the first step to becoming an artist is to cut out one's tongue. But he does offer an explanation of the apparent clash between his art and his personality.

"The walls are thin," he said. "Maybe more of the happy kind of emotions are better to express in my day-to-day encounters, and I can release those that way. But the rest of the stuff is there, and I have to get it out somehow. When I have all this nastiness inside me, I'd rather have it on the canvas than in my gut."

Clarke now spends four days a week painting in a Pennsylvania studio, while working, begrudgingly, as a waiter the other days.

In January, his paintings were displayed at the Allentown Art Museum in a show that was juried by a staff member of the Museum of Modern Art in New York.

Then he plans to move to Chicago, just because "it's just always been a figurative town."

—Lisa Bennett

## Hotel students to prepare and market meals of famous chefs

Students in the School of Hotel Administration face a tough professional challenge: prepare and market a formal dinner that will match the cuisine of the finest restaurants.

Under the eyes of some of America's most famous chefs, they will research, cost account, market, prepare and serve the kind of dinners ordered by people for whom food is an art.

By covering every phase of a commercial dinner from budgets to watercress, the students will gain hands-on experience in managing a first-class food establishment.

Thomas J. Kelly, an associate professor in the Hotel School, has resurrected a course in how to work with four-star chefs, a course that he took when he was a student in 1970.

Co-instructing the course with Kelly are David D'Aprix, director of food and beverage for the Statler Hotel, and Brian Halloran, the hotel's executive chef.

Dropped from the curriculum in the mid-1970s, the course was restarted in January to bring students face to face with renowned professional chefs. Kelly, one of the food

experts who trains people appointed by the American Automobile Association to rate the nation's restaurants, has arranged for four nationally known chefs to work with the 20 undergraduate students in his class.

"Each chef will prepare a menu for an upscale dinner that he or she would serve in their own restaurant," Kelly said. "The chef will mail the menu and its recipes to the school, and then it is up to the students to put the dinner together."

"The day before the dinner is served, the supervising chef will come to the campus to oversee final preparations and the serving," he added.

The students are required to consult the Hotel School library's vast collection of textbooks, recipes and historic menus from around the world to help them meet the standards of each chef. They will read about each chef's professional background in an effort to achieve rapport with their culinary styles.

Preparing a restaurant dinner requires far more expertise than just kitchen skills, Kelly said. The students must determine the

costs of all the ingredients and the overhead to compute the per-meal cost; decide where to obtain the highest quality food possible within a purchasing budget; maintain cost records on ingredients, labor and overhead; and conceive a marketing plan that will attract customers.

"Our goal is to train the students with such precision that, by the time the dinner is served, they will match, or at least approach, the skills possessed by the professional kitchen, accounting and management staffs that work with a chef in his or her own restaurant," Kelly said.

The four dinners will be served in the new Statler Hotel, Cornell's teaching hotel. The students will market each dinner just as if they were selling a special night in a top commercial restaurant. Reservations will be accepted from 100 to 150 diners at each event.

The chefs who are participating and the dates of their dinners are:

- Pierre Franey, author or co-author of more than 10 books on fine cuisine, including "Cuisine Rapide" on which a Public

Broadcasting Service series is based, and former chef at Le Pavillon in New York City, Feb. 25.

- Roger Martin, executive chef at Harvey Hotel in Dallas, March 14.

- Deborah Poncek, chef de cuisine at Montrachet in New York City, April 1.

- Mark Baker, executive chef at the Four Seasons Hotel in Boston, April 16.

Kelly's class is divided into four sections. Each section will staff one of the dinners.

Students who will create and market the Franey dinner are: Bob Gallicano, a second-year graduate student from New Canaan, Conn., service manager; Jonathan Beard, a first-year graduate student from Pacific Palisades, Calif., production manager; Carole Kelly, a senior from Waterford, Conn., coordinator, marketing; and Douglas Maslow, a senior from Wilkes Barre, Pa., accounting/comptroller.

Reservations for the evening that will start at 5:30 p.m. with an open cocktail hour may be made by telephoning 257-2500.

—Albert E. Kaff

### Husa continued from page 1

"Music for Prague 1968" has become one of the best-known pieces in the modern repertory, having been performed more than 7,000 times, with the composer conducting well over 100 times.

Voice of America and Radio Free Europe have broadcast "Music for Prague 1968" to Eastern Europe, and on one occasion the St. Olaf College Concert Band attempted to play it in Prague but was forced to stop.

February's performance by the State Symphonic Orchestra will be the piece's first, complete, live performance in the city for which it was written.

"I can't predict what the response will

be, but I hope the people will respond the way other audiences have. Audience acceptance and reviews have always been terrific," Husa said. "But maybe the Hussite theme will be too familiar to them. I hope not."

Woven into the work, and set against the military rattle of the snare drum, are the first four bars of a 15th-century Hussite war chorale, "Ye Warriors of God and His Law," a melody that has symbolized resistance and hope for hundreds of years.

Many Czech composers have used that melody, including Antonin Dvorak and Bedrich Smetana.

Other associations the audience likely

will recognize are a piccolo solo that sounds like a bird call, a "symbol of liberty which Prague has seen only for moments during its thousand years of existence," Husa said; trumpet fanfares blasting through the orchestra like tanks across a public square; snare drums that sound like marching troops; and the tolling of church bells, for Prague is known as the "City of Hundreds of Towers" for its cathedrals and bell towers.

This piece originally was commissioned for wind ensemble by Ithaca College. Husa recalled casting about for a theme when, at 9:15 p.m. on Aug. 21, 1968, he heard by transistor radio that Soviet tanks were in-

vading his native country.

"We knew the Soviets would not allow the Prague Spring to continue; not Brezhnev. They were so despotic. So it was not a surprise, but it was a shock," Husa said.

"The next day, I started to write music for wind ensemble, and I finished it six or seven weeks later, which was very fast work. A year later, I went to Europe to conduct it. For patriotic reasons, I wanted to play it in Europe."

For similar patriotic reasons, Husa looks forward to conducting it in the city where he grew up and first studied music.

—Carole Stone

# Survey finds more non-drinkers among CU students

A 1989 survey of Cornell student drinking behaviors and attitudes found more non-drinkers and a wider awareness of alcohol education and counselling services than in previous polls.

Fifty-eight percent of undergraduate students surveyed believe there is an alcohol-abuse problem at Cornell, and almost half (48 percent) believe that one or more close friends has a drinking problem.

Cornell health educators compare the survey results to similar polls in 1985 and 1986 and say that student consciousness about the impact of alcohol use is increasing. They attribute the change, in part, to the university's Drug Risk Reduction Program, which includes student-run workshops. They also say Cornell students' drinking behavior parallels that of college students across the country.

But since the state drinking age rose from 19 to 21 in 1986 and the university intensified its alcohol-education efforts, most other drinking behaviors have not changed, according to Janis Talbot, director of health education at University Health Services.

"We're encouraged that the share of non-drinking students has significantly increased from 7 percent in 1985 to 14 percent in 1989," Talbot said. "And we're gratified that more people know about our education programs and other community services. However, about two thirds of undergraduate students continue to be 'heavy' or 'moderate' drinkers, and eight out of 10 students say they are experiencing negative consequences from their drinking."

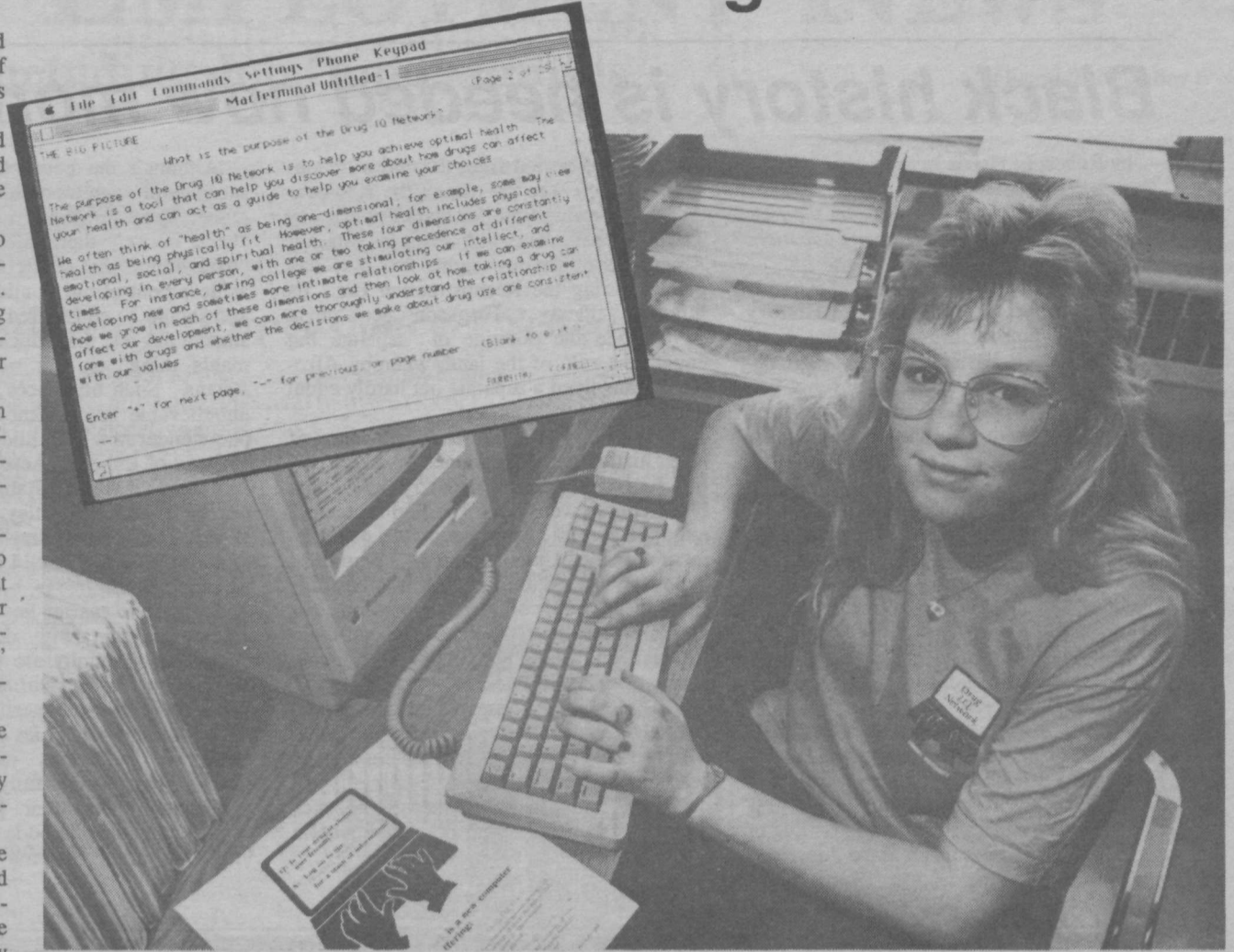
The 35-question survey was mailed to a representative sample of 5 percent of Cornell's 13,115 undergraduate students in the spring of 1989. With the promise of anonymity and confidentiality, 53 percent (or 324) of the students completed and returned the survey.

Joan Doughty, a Cornell graduate student in the College of Human Ecology who analyzed the survey and correlated results with previous years' surveys, said the poll is statistically representative of the university's student body. She said the survey represents Cornell's undergraduate diversity by sex, college class, place of residence (on-campus, off-campus, and in greek fraternity and sorority houses) and participation in varsity athletics.

The 1989 survey added questions that were not on previous surveys about drugs other than alcohol. Support for the survey and for Cornell's Drug Risk Reduction Program comes, in part, from a two-year grant from the federal government's Fund for the Improvement of Postsecondary Education.

Release of the Cornell survey results coincides with a toughening of New York state laws regarding alcohol use by persons under 21 years of age. On Jan. 1, a change in state law made it illegal for persons under age 21 to possess alcohol with the intent to consume. (A 1986 New York state law raised the drinking age to 21 by making alcohol sales to minors illegal, but did not make alcohol possession illegal for those under 21.) In addition, state laws that took effect in late 1989 increased penalties for using false identification cards and altered driver's licenses to buy alcohol.

"Cornell students' drinking behaviors are pretty typical of college students everywhere," said Kelly Enright, coordinator of the Drug Risk Reduction Program at University Health Services. "Here, 86 percent of the students drink alcoholic beverages at least occasionally, whereas the national average for colleges is 85 percent, according to a 1987 survey conducted by the University of Michigan."



Charles Harrington

Senior biology major Carol Ann Loesch tries her hand at the "Alcohol I.Q. Network" (inset).

"We do these surveys to monitor changes in student behaviors and attitudes and to develop education objectives," Enright said. "One thing that has not changed is the proportion of 'heavy' drinkers — 17 percent of Cornell's undergraduate students — and that group is of special concern."

However, not everyone classified as a "heavy" drinker considers himself or herself as such when asked — only 5 percent of Cornell students in 1989 did — so the health educators use the Cornell Constructed Drinking Behavior Typology (CCDBT) to categorize three types of drinkers.

The CCDBT cross-tabulates responses to the questions "How often do you drink?" and "How many drinks do you usually have on the average?" to define "heavy" drinkers as consuming three or four drinks in one sitting more than three times a week or five or more drinks at a time once or more a week. "Light" drinkers are defined as those consuming one or two drinks once a week or less, and "moderate" drinkers are in between.

"Since 1985, the percentage of students in the light and moderate drinking typologies did not change significantly," Talbot said. "Only a slight drop in heavy drinkers was observed in the three-and-a-half survey years."

Students also were asked to identify negative conse-

quences — such as blackouts, missed appointments and fights — as a result of their drinking. Of the students who drink, 81.7 percent reported at least one negative consequence, while heavy drinkers experienced an average of six. Heavy drinkers viewed alcohol use more tolerantly than light drinkers, Doughty reported in her analysis of survey results. In addition, heavy drinkers' attitudes toward drug use was more tolerant, and their reported use of drugs was significantly higher, as well, she noted.

"That's why we're particularly concerned about the heavy drinkers and the students who may become heavy drinkers," education director Talbot said. "Negative consequences can be used as a way of screening for problem drinkers, and many experts consider alcohol a 'gateway' to the use of other drugs."

"Our programs are aimed at helping students understand how alcohol and other drugs can get in the way of achieving their personal goals and impair many aspects of their life while they are in school and later," Enright said. "By helping students clarify values and learn new skills, we hope that some of their riskier drug-use behaviors can be modified."

"For instance, most students agree that driving after drinking alcohol is not acceptable," Enright continued. "However, in the 1989 survey almost a third of the students said they had done so. Our program attempts to help students learn new alternatives so that their behavior will be more consistent with their values."

"But people have to want to change their behavior patterns, and the students who may be most at risk are often the hardest to reach," Talbot said, speaking of a health educator's frustration.

"Maybe the network of friends will turn out to be the best resource hard-to-reach students," Talbot speculated. "Since we're seeing more students who say their friends have problems and who are more aware of the available services, maybe some are making the connection."

Among the highlights of the survey results are these:

- Fifty-eight percent of the students agreed with the statement, "There is an alcohol abuse problem at Cornell," compared with 50 percent in 1985 and 39 percent in 1986.

- About 17 percent of the sample felt that "having a few drinks was a good way to cope with stress." Members of greek organizations were twice as likely as non-members to agree with the statement, "Drinking is an integral part of my good times and social life." Overall, 34 percent of Cornell students said drinking was important for good times and social life in 1989. In 1985, 40 percent said so, as did 43 percent in 1986.

- There were significantly more heavy drinkers in 1989 among greek fraternities and sororities (23 percent) than non-greeks (13 percent). Sorority members had less than half the percentage of heavy drinkers than fraternity members (14 vs. 30 percent).

- Eighty-three percent of the 1989 sample group who drank said they have been "wasted or bombed" as a result of drinking. Almost three-fourths (72 percent) disagreed with the statement, "Getting drunk frequently is okay if that's what the individual wants to do."

- Males were more likely than females in 1989 to believe that "sex was better" if their "partner had a few drinks first" (21 percent vs. 9 percent).

- Compared to drug use in 1986, the use of marijuana, cocaine and amphetamines significantly decreased. Asked in 1989 about drug use in the past 12 months, 30 percent reported using marijuana or hashish; 21 percent used tobacco; 17 percent used stay-awake tablets such as NoDoz and Vivarin; 6 percent snorted or smoked cocaine or crack; and 21 percent used alcohol while taking other drugs.

— Roger Segelken

## Computers, students help teach drug awareness

Cornell's three health educators who run the Drug Risk Reduction Program know they are dealing with a touchy topic and that they are at a numerical disadvantage on a campus with 13,100 undergraduate students. So their educational program includes two resources to multiply their efforts and put students at ease: student peer educators and a computer network.

ALERT — which stands for Alcohol and Drug Education, Research and Training, is one of three peer education programs sponsored by University Health Services. (The other peer education workshops are about sexuality and AIDS.) In the past year, about two dozen undergraduate students who completed semester-long training programs with professional educators at University Health Services presented 18 ALERT workshops in Cornell's residence halls, classrooms and fraternities and sororities, reaching more than 380 students.

Topics for the ALERT workshops range from "Headaches, Hangovers and Happiness" (a program on the costs and benefits of alcohol use) and "Between the Lines" (about cocaine use) to "Stimulated Studies" (a discussion about caffeine and "speed") and "White Wine, Thick Smoke and Sweet, Sweet Music" (with a focus on the legal, personal and sexual relationships associated with alcohol and other drugs).

ALERT workshops begin with a topical skit and continue with a question-and-answer session and a no-holds-barred discussion. Whatever the topics, the emphasis is on communication, said Kelly Enright, one of the University Health Services educators who helps train ALERT teams.

"The workshops encourage students to acknowledge some of the reasons why it is often difficult to communicate honestly about alcohol and other drugs," Enright said. "When the teachers are other students, we find that people are more willing to openly discuss their feelings about drug use."

Although the ALERT workshops appear informal

and unstructured, they are carefully planned to help students gain insight on the way drug use affects all dimensions of health — physically, psychologically, socially and spiritually, Enright noted. "From experience, we have learned that knowledge alone will not change behavior," she said. "Through the peer education program, we are hoping to help students clarify values and learn healthier alternatives."

The University Health Services educators also assist with alcohol- and drug-education programs run by the Department of Athletics and Physical Education for varsity athletes and coaches and by the campus greek community for members of fraternities and sororities. One-to-one counseling for students who are referred by the university's judicial administrator or who seek counseling on their own is provided by therapists in the Gannett Health Center's Psychological Services unit.

But for reaching large numbers of students, it's hard to beat computer networks. So the Drug Risk Reduction Program collaborated with Cornell Information Technologies, which runs the university's mainframe computers, to establish the "Alcohol I.Q. Network."

From any public terminal on campus or with a computer-telephone hookup from home or dormitory room, students can access the interactive "I.Q. Network" through CUINFO and test their knowledge with quiz games or make a self-assessment of their drinking habits. The anonymous computer hookup logs only the number of users, and more than 18,000 user sessions have been recorded since the Alcohol I.Q. Network started three years ago.

Now the computer program is being expanded to become the "Drug I.Q. Network." New selections include a personalized inventory to help individuals identify high-risk drug behaviors, a new "non-trivial pursuit" game to test knowledge on alcohol and other drugs, and a compendium of up-to-date information.

— Roger Segelken

## COMMENTARY

**Black history is needed now more than ever**

by Robert L. Harris Jr.

*Reprinted with permission from the Feb. 1 issue of Black Issues in Higher Education.*

This year the Association for the Study of Afro-American Life and History (ASALH), which sponsors the annual observance of Black History Month, will celebrate its Diamond Jubilee. Seventy-five years ago, Dr. Carter G. Woodson organized the Association for the Study of Negro (now Afro-American) Life and History to preserve the heritage of African-Americans, to inform the nation of black contributions to American progress, and to inspire black youth to greater achievement. Through the Journal of Negro History, Associated Publishers, the Negro History Bulletin, annual meetings and Negro History Week (begun in 1926 and expanded to Black History Month in 1976), Woodson sought to accomplish those objectives.

Seventy-five years later, Woodson's goals remain as urgent if not more so. In 1915, when Woodson and others established ASALH, African-Americans were just emerging from what Rayford W. Logan aptly called the "nadir" in Afro-American

history. The period from the end of reconstruction (1877) to the turn of the 20th century was a trying time for black Americans. The Supreme Court had stripped African-Americans of the few rights that they had gained during the Reconstruction Era. Its infamous "Plessy v. Ferguson" decision in 1896 made the doctrine of "separate but equal" the rule of the land, whereby Afro-Americans lived a separate but hardly equal existence.

Woodson and other early pioneers of black history were determined to set the record straight, to let the country know that black people were not a "negligible factor" either in world history or in the development of the United States. Foremost, Woodson wanted to free African-Americans from the tyranny of racial oppression and self-imposed limitations in the quest for freedom and equality. In his still timely study, the "Mis-Education of the Negro," Woodson cogently observed that when you control a man's thinking, you do not have to worry about his actions. You do not have to send him to the back door. He will go without being told. In fact if there is no back door, he will cut one for his special benefit. His education makes it necessary.

Although the courageous struggle and sacrifice of countless Americans, black and white, have removed most of the literal "back doors," there are many figurative "back doors" that restrict the aspiration and achievement of our youth. It is blasphemy and should be considered so to hear a black student suggest that education is "the white man's thing" or that mathematics is for Asians. Such utterances betray an almost unbelievable lack of knowledge and make one wonder how the children of genius, the progeny of Imhotep, Aesop, Terence, Bilal, Ann Zingha, Ahmad Baba, Benjamin Banneker, Phillis Wheatley, Patrick Healy, W.E.B. DuBois and Mary McLeod Bethune, to name but a few, could come to such facile conclusions.

Part of the answer lies in the misguided assumption that with desegregation, the doors of opportunity are wide open to any black person with talent and determination. When the doors of opportunity were locked tight, African-American parents, teachers, ministers, politicians and professionals made a point of constantly reminding black youngsters about their people who had achieved against the odds. They deemed it vital that black children know who they

were so that they could decide who they wanted to become.

Given the decline of racial segregation and overt discrimination, it is now more important than ever for black youth to know and to understand the full compass of their past in Africa and in America, its triumphs and its tragedies, its values and its lessons. During the tyranny of segregation, many African-Americans could point to the system as the reason for lack of accomplishment. Today, it is much more difficult to blame the system, so in a defensive mode some African-Americans have defined their own sphere of competence, particularly in sports and entertainment. This type of thinking is more insidious and pernicious than the laws that kept us oppressed.

More than ever, especially as societal barriers to achievement begin to crumble, our youth must appreciate their history to avoid self-imposed barriers.

*Robert L. Harris Jr. is director of the Africana Studies and Research Center and a member of the Association for the Study of Afro-American Life and History's Executive Council.*

## CALENDAR

continued from page 5

**Plant Biology**

"History, Folklore and Art: Teaching Techniques To Be Remembered," Edgar M. Rafensperger, entomology, Feb. 9, 11:15 a.m., 404 Plant Science Building.

**Plant Pathology**

"Site-directed Mutagenesis by Transformation of *Cochliobolus heterostrophus*," Peter Mullin, Feb. 13, 4:30 p.m., 404 Plant Science Building.

"Controlling Diseases of Sweet Corn: Epidemiology or Plant Pathology," Jerald K. Pataky, plant pathology, University of Illinois, Feb. 15, 3 p.m., A-133 Barton Lab, Geneva.

**Psychology**

"New Genetic Perspectives on Schizophrenia," Philip Holzman, Harvard University, Feb. 9, 3:30 p.m., 202 Uris Hall.

**Science, Technology & Society**

"The New Sociology of Technology: Testing as a Strategic Research Site," Trevor Pinch, assistant director, Institute for Research in the Social Sciences University of York, United Kingdom, Feb. 12, 4:30 p.m., 609 Clark Hall.

**Society for the Humanities**

"Baudelaire and Marceline Desbordes-Valmore," Barbara Johnson, A.D. White Professor-at-Large, Feb. 13, 10 a.m., 201 A.D. White House.

**South Asia Program**

"The Seasonality of Vital Events: A Few Numbers and Bits of Theory in Search of Ethnography," Anthony Carter, anthropology, University of Rochester, Feb. 14, 12:15 p.m., 153 Uris Hall.

**Southeast Asia Program**

"A Woman Among Monks in Thailand," Kamala Tiyanich, SEAP, history, Feb. 8, 12:20 p.m., 102 West Ave. Extension.

**Theoretical & Applied Mechanics**

"Conditions of Compatibility Between the Hypothesis of Local Equilibrium and the Clausius-Duhem Inequality," J. Kestin, Brown University, Feb. 14, 4:30 p.m., 205 Thurston Hall.

**Stability, Transition and Turbulence**

"Automobile Aerodynamic Noise," A.R. George, mechanical and aerospace engineering, Feb. 13, 1 p.m., Grumman Conference Room, Grumman Hall.

**Textiles & Apparel**

"Geotextiles Engineered for Performance," David Guram, Philips Fibers, Feb. 8, 317 Martha Van Rensselaer Hall.

"Mysteries of Diffusion in Polymers: The Case of Case II Diffusion," Ed Kramer, materials science and engineering, Feb. 15, 12:20 p.m., 317 Martha Van Rensselaer Hall.

**Western Societies Program**

"Sites of Authority and the Limits of Representation in Shakespeare," Robert Weimann, Akademie Der Kunste Der DDR, Feb. 9, 4:30 p.m., A.D. White House.

## SPORTS

**Thursday, 2/8**

Men's Wrestling, at Lehigh, 7:30 p.m.

**Friday, 2/9**

Women's Hockey, Dartmouth, at home, 7 p.m.  
Men's Wrestling, Columbia, at home, 7 p.m.  
Men's Basketball, at Yale, 7:30 p.m.  
Women's Basketball, Yale, at home 7:30 p.m.  
Men's Hockey, at Harvard, 7:30 p.m.  
Women's Polo, at Yale, 7:30 p.m.

**Saturday, 2/10**

Men's Squash, Dartmouth, at home, 10 a.m.  
Men's Fencing, Princeton and St. John's, at home, 11 a.m.  
Women's Fencing, Princeton and St. John's, at home, 11 a.m.  
Women's Swimming, Harvard, at home, noon  
Men's Wrestling, Brown, at home, 1 p.m.  
Men's Gymnastics, at Vermont, 2 p.m.  
Women's Gymnastics, at Vermont, 2 p.m.  
Men's Squash, Rochester, at home, 2 p.m.  
Men's Polo, at Yale, 3 p.m.  
Men's Jr. Varsity Hockey, Washington Jr. Caps, at home, 3:30 p.m.  
Men's Swimming, Harvard, home, 3:30 p.m.  
Men's Basketball, at Brown, 6 p.m.  
Women's Basketball, Brown, home, 7:30 p.m.  
Men's Hockey, at Dartmouth, 7:30 p.m.

**Sunday, 2/11**

Men's Jr. Varsity Hockey, Washington Jr. Caps, at home 10:30 a.m.  
Women's Hockey, Harvard, home, 1:30 p.m.

**Monday, 2/12**

Men's Jr. Varsity Basketball, at Ithaca College, 7 p.m.

**Wednesday, 2/14-Sunday, 2/18**

Men's Polo, Eastern Regional Championships  
Women's Polo, Eastern Regional Championships, at home

**Thursday, 2/15**

Men's Gymnastics, Cortland, at home

## THEATER

**Department of Theatre Arts**

"A... My Name is Alice," a contemporary all-female musical revue opens today at 8 p.m. in the Class of '56 Flexible Theatre, Center for Theatre Arts, 430 College Ave. Other performances are Feb. 9, 15 and 16 at 8 p.m. and Feb. 10 and 17 at 5 and 9 p.m. Tickets are \$4 and \$6 and are on sale at the Center for Theatre Arts box office. For more information, call 254-ARTS.

## MISC.

**Cornell Caregivers' Support Group**

"Coping with Alzheimer's Disease and Related Dementias," will be discussed at a meeting Feb. 13, 11:30 a.m. to 1 p.m., NG-10 Martha Van Rensselaer Hall.

**Cornell Garden Plot Committee**

A meeting of the Cornell Garden Plot Committee will be held Feb. 20 at 7 p.m. in 216 Ives Hall. Anyone interested in working on the committee is welcome. For more information call P. Elliott, 273-7204 between 5 and 7 p.m.

**Cornell Nursery School**

Applications for Cornell Nursery School for 1990-91 are now available by calling 255-3074. Openings for 5 days a week, morning or afternoon, for children three years of age

before Dec. 1, 1990. For further information or to arrange a school visit, call Sue West, 257-5872. Application deadline is March 2.

**Cornell Potshop Sale**

A Valentine's Day Sale will be held on Feb. 13 and 14, 10 a.m. to 6 p.m., Willard Straight Hall Art Gallery. There will be a variety of vases and other gifts made by Cornell potters available for sale. For more information call 255-5170.

**Cornell Potshop Pottery Classes**

Classes for beginning, intermediate and advanced potter. Stop by Willard Straight Hall Potshop to sign up or call 255-5170 for more information.

**Cornell Toastmasters**

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

**Intramural Sports**

Intramural giant slalom skiing for men, women and co-ed deadline Feb. 14, 4 p.m., in 305 Helen Newman Hall. Entry fee is \$19 per racer (includes 8 hour pass at Greek Peak on race day, March 2).

**Olin Library Research Seminars**

Olin Library Reference Department will offer research seminars for faculty and graduate students in the humanities and social sciences covering Olin's catalogs, COMPASS (computer assisted search services), subject search strategies, reference materials and interlibrary services, Feb. 8 at 1 p.m., (social sciences), Feb. 19 at 2 p.m. (humanities). To register and for more information, call 255-4144 or stop by the Olin Reference Desk.

**Peer Educators in Human Relations**

A six-week series promoting awareness of oppression issues will take place Thursday evenings from 7 p.m. to 9:30 p.m., Feb. 8 through March 15, with an additional weekend retreat March 2 through 4. To register or for more information call 255-7450.

**Cornell Cinema showing films for kids**

Looking for something to do with the kids on Saturday afternoons? Cornell Cinema is showing movies made for the young at heart on Saturdays at 2 p.m. in Willard Straight Theater. This year's series, which began on Feb. 3, includes highlights from the Chicago International Festival of Children's Films.

Tickets for the movies are \$2 (\$1.50 for children under 12). The schedule includes:

- On Feb. 10, film maker Michael Rubbo will conduct two workshops. (See the Calendar entry under Johnson Museum exhibits.)
- On Feb. 17, the world premiere of "Teeth: The Better to Eat With," produced for the National Geographic Society by Ithaca's PhotoSynthesis Productions, and "Runaway Ralph," based on the adventures of Beverly Cleary's Ralph S. Mouse.
- On Feb. 24, an exclusive engagement of "Summer of the Colt," a live-action film set on a ranch in Argentina, voted the most popular film in Chicago this past year.
- On March 3, a tribute to the 50th anniversary of the National Film Board of Canada, nine live-action and animated short films from the Chicago Festival, including "The Tender Tale of Cinderella Penguin," "The Log Drivers' Waltz" and "Monsieur Pointu."

# CORNELL EMPLOYMENT NEWS

February 8, 1990

Including Job Opportunities

Volume 2, Number 6

## One-Third of a Nation: The Challenge of the 21st Century

by Mary A. DeSouza, coordinator of services for minorities & Vietnam-era veterans

One of the highlights for the university's Advisory Committee on the Status of Minorities (ACSM) during 1989 was the adoption of *One Third of a Nation: A Report of the Commission on Minority Participation in Education and American Life* as a working paper for the committee. The report has influenced the committee's efforts in addressing minority issues at Cornell.

From all demographic indications minorities (Blacks, Asian Americans, American Indians and Hispanics) are expected to represent one-third of this nation's population in the twenty-first century, according to the commission's report. Cognizant of this shift in demographics, leaders of higher education are compelled to examine the past progress and present trends associated with the education of minority members.

President Frank H. T. Rhodes, former chair of the Commission on Minority Participation in Education and American Life, stated in the preface of the commission's May 1988 report, "The commission reached a disturbing conclusion: America is moving backward - not forward - in its efforts to achieve the full participation of minority citizens in the life and prosperity of the nation. ...in education, employment, income, health, longevity, and other basic measures of individual and social well being, gaps persist - and in some cases are widening - between members of minority groups and the majority population. ... If we allow these disparities to continue, the United States inevitably will suffer a compromised quality of life and a lower standard of living. ... We deeply believe that now is the time for our nation to renew its commitment to minority advancement. We must redouble our efforts to expand the role and status of minority population."

During the '70s and early '80s the commission cited the following examples of real

### Annual Black Gospel Concert Scheduled

Cornell University's Festival of Black Gospel Planning Committee is pleased to announce that the Fourteenth Annual Festival of Black Gospel will take place on February 9-11, 1990 on the Cornell campus.

The festival will begin on Friday, February 9, at 7 p.m. at Bailey Hall Auditorium with an opening concert featuring the Clark Sisters of Detroit, Michigan with special guests.

On Saturday, February 10, the Festival of Black Gospel will continue in Bailey Hall with a mass choir of over 200 voices under the direction of Danita Clark of Syracuse. The schedule for the mass choir is as follows:

**9-11am** - Continental breakfast and registration (mass choir participants must register and attend the rehearsal.)

**11am-3:30pm** - Mass choir workshop and rehearsal

**7pm** - Mass choir concert. Public invited to attend.

The festival will conclude Sunday, February 11, with a convocation worship service at Sage Chapel. The 11 a.m. service will include a sermon by the Rt. Reverend Franklin D. Turner, Suffragan Bishop of the Diocese of Pennsylvania. Reverend Turner, who is founder of the Washington Episcopal Clergy Association, currently serves on the Board of Trustees at Berkeley Divinity School and holds administrative posts with the National Council of Churches and the Anglican Fellowship of Prayer. For information on the Festival, contact Cheryl Chambers, 5-4311.



### FESTIVAL of BLACK GOSPEL

progress in educating minority members:

- A gain of 7 to 12 months in reading and 11 to 12 months in mathematics for every year students who participated in the Chapter 1 of the Elementary and Secondary Education Act Program.
- An increased score by Black students of 21 points on the verbal portion and 20 points on the mathematics portion of the SAT between 1977 and 1987.
- Improved high school graduation rates.

For Blacks there was a 60 percent graduation rate in 1970, a 65 percent rate by 1975, and by 1985, 76 percent. The graduation rate was 56 percent in 1975 for Hispanics and it had risen to 63 percent by 1985.

- A 56% increase in total college minority enrollment between 1975 and 1981.

However, this progress did not continue throughout the latter part of the '80s. The

report mentions halted progress and reversals such as the following:

- In 1986, the college participation rate for Black students was slightly below the 1975 rate.
- The high school graduation and college attendance rates of American Indians remain the lowest for any minority group - 55% graduate from high school and 17% of these attend college.
- A decline from 51 percent to 47 percent in the college attendance rate of Hispanic student was experienced between 1975 and 1985.

While the above clearly point to the sobering reality of stagnation and lost ground, these facts also serve as reality check points from which we can work.

The commission suggested the national goal for America's minority population is to attain "a quality of life as high as that of the white majority. No less a goal is acceptable. For if we fail, all Americans—not just minorities—will be the victims. But if we succeed, all Americans will reap the benefits."

At a local level, ACSM adopted this overall broad goal, accepted the challenge to be a part of the solution, and began working to make this goal a reality at the university.

As Shenetta Selden, chair of ACSM, explained, "The challenge we face on a national level, as well as at Cornell, is to foster the full participation of minorities in higher education and in our society. We cannot overlook these trends in higher education as they relate to minority members. We agree that college is the passport to greater opportunity and achievement and is a critical factor in minority development. Working toward improving minority participation and achievement in higher education will continue to be the thrust of our committee."

The ACSM is charged with advising the administration on issues and concerns that

Continued on page 4

### Workshops and Support Groups Offer Help to Cornell Caregivers

If you are concerned about or provide assistance to an elderly relative or friend there are several sources of support available right on campus. The Office for the Aging has been working jointly with Human Resources to develop a new program called the Caregivers' Resource Center which offers information and support to employees involved in the care of elderly loved ones.

Also, a six-session workshop series entitled "Practical Tips and Support for Family Caregivers" will be offered on campus starting February 22. Sessions will take place from 12:15 to 1:30 p.m. in 163 Day Hall on February 22, March 1, March 8, March 15, March 22, and March 29. Topics to be addressed include the psychological and medical aspects of aging, improving communication and personal care skills, available community resources, and ways to care for yourself.

This is an excellent opportunity to meet other people in similar situations and to learn practical ways to deal with the challenges of your situation. Consult your Spring 1990 Calendar of Workshops and Seminars (which will arrive in mid-February) to register or call Training and Development at 5-7170.

Another service available to Cornell employees is a caregivers' support group which meets once a month from 11:30 a.m. to 1:00 p.m. in NG-10 Martha Van Rensselaer Hall (in the new wing on the ground floor near the Human Development and Family Studies main office). The group is informal - participants bring their lunch and refreshments are provided. New members are always welcome.

For further information about these and other services available to you as an employed caregiver, call the Office for the Aging at 274-5450.

### Day Care for Sick Children Available at TCH

Your child is ill and you are due at work. Who can you turn to at a time like this?

One of the most difficult dilemmas of working parents is dealing with the illness of a child. The best-laid plans for balancing work and family responsibilities can quickly disintegrate when your child is ill.

Ideally, we would choose to be home with our children when they are not feeling well; however, there are times when job responsibilities necessitate our presence at work.

Recognizing that working parents need options at times like this, the Tompkins Community Hospital created Teddy Bearracks, a day care program for children who are ill. Using established Infection Control protocol,



professional staff will care for your child and monitor her/his condition. Activities will be documented, medications will be administered, and emergency care provided, as authorized by you on the consent form. You can visit your child during the stay, and telephone calls are welcome. A summary report will be given to you at the end of the day.

Your child may rest as much or as little as the illness merits. Your child will be assigned a bed, but may enjoy the playroom equipped with games, toys and books.

Teddy Bearracks is open between 6:30 a.m. and 6:30 p.m. Monday - Friday to care for children over two months of age. The hourly rate is \$3.00, with a minimum charge of \$12.00. Two meals are included in the hourly rate, as are snacks and beverages throughout the day. A third meal will be an additional \$3.00 and a surcharge of \$10.00 will be added if your child is picked up after hours. Payment is due on the day of service.

Pre-registration for the program is required. To obtain pre-registration materials, call 274-4498.

### Cornell Employment News: Chronicle Insert as of February 15

Beginning February 15 Cornell Employment News - including Job Opportunities - will become a weekly insert in the Cornell Chronicle. On weeks when the Chronicle does not print, Employment News will be continue to be available at the usual campus locations.

A substantial savings to the university will be realized in both the print and delivery costs by combining the two

weekly papers. Job Opportunities will continue to be a major feature of the Employment News insert.

In addition, Networking - Cornell's employee newspaper "By and For Employees" will continue to be produced on a biweekly basis as a Chronicle insert.

Remember to look for Employment News beginning Thursday, February 15 as an insert to Chronicle.

# Job Opportunities

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

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

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

## Professional

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

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

**Deputy Director (PA0504) HRIII  
Public Safety-Endowed**  
Serves as second in command of the Department. Oversees the delivery of law enforcement and security services to the University community on a 24 hour per day basis.  
**Requirements:** Bachelor's (humanities or criminal justice). Master's preferred. NYS driver's license and NYS Peace Officer Certification. Extensive law enforcement management experience in a university setting. Excellent interpersonal skills and ability to deal with a diverse population. Graduate of F.B.I. National Academy, Southern Police Institute or similar executive development course preferred. Send cover letter and resume to Cynthia Smithbower.

**Statutory Accounting Manager (PA0502) HRIII  
Finance and Business Services-Statutory**  
Responsible for general accounting functions of the Statutory Colleges including preparation of financial statements and reports, the analysis of funds, and the day-to-day operation of accounting systems.  
**Requirements:** Master's in accounting or business administration (CPA desirable) or an equivalent combination of education and experience. At least 5 years of progressive experience in financial management positions and demonstrated leadership abilities are desired. Knowledge of fund accounting is preferred. An understanding of computerized accounting systems and PC applications required. Send cover letter and resume to Cynthia Smithbower by March 16.

**Assistant Dean, Director of Admissions (PA0507) HRII  
Engineering Admissions/Undergraduate Affairs-Endowed**  
Provide leadership for the college's undergraduate engineering program; design, develop, and implement short and long-range plans to recruit, select and enroll qualified students to the engineering undergraduate degree program.  
**Requirements:** Bachelor's or equivalent, Master's preferred in engineering. 3-5 years related experience. Outstanding communication skills, ability to interact effectively with prospective students, alumni, university personnel, and the general community. Have an understanding of the engineering profession, market research and information systems. Send cover letter and resume to Cynthia Smithbower by February 15.

**Communication Specialist (PA0501) HRIII  
Mathematical Sciences Institute-Endowed**  
Under the general direction of the Associate Director, administer Mathematical Sciences Institute communications efforts, including publications and media coordination. Publish bi-monthly newsletter.  
**Requirements:** Bachelor's, 3-5 years experience in media and publicity. Strong scientific/mathematical writing background. Excellent verbal/written communication skills and organization skills required. Familiar with micro-computer and desk-top publishing software. Send cover letter and resume to Cynthia Smithbower by February 23.

**Catering Manager (PA0403) HRII  
Dining Services-Endowed**  
Plan and manage all service, production, personnel and financial aspects of a catering operation with sales in excess of \$750,000.  
**Requirements:** Bachelor's or equivalent. 3-5 years related experience, 3 years of food service and health codes required. Ability to deal effectively with all levels of university including trustees, senior administrators, staff and students. Send cover letter and resume to Cynthia Smithbower.

**Senior Research Support Specialist (PT0315) HRII  
Materials Science Center-Endowed**  
Manage and extend a state-of-the-art Electron Microscopy Facility for the support of the research program of the Materials Science Center.  
**Requirements:** Master's in material science or physics or equivalent required. PhD preferred. Minimum 2 years experience as a postdoc in relevant electron microscopy user field. Send cover letter and resume to Sam Weeks.

**Chef (PG0119) HRII  
Dining-Endowed**  
Coordinate, supervise and train a dining unit's production staff in the quality preparation and presentation of food. Maintain food and labor costs in accordance with unit and department goals; utilize computer system for menu planning and forecasting; recruit; train; supervise and evaluate kitchen staff; develop, test and revise recipes; assist in overall supervision of dining unit.  
**Requirements:** Associate's or 2 year culinary degree plus 3-5 years food service supervisory experience or the equivalent. Completion of an apprenticeship program and/or certification by a recognized culinary institution (e.g. American Culinary Federation) is preferred. Extensive work as a Chef is desirable. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Research Support Specialist III (PT9614) HRII  
Center for Environmental Research-Endowed**  
Implement and monitor Solid Waste Combustion Institute's \$1.7 Million Research Awards Program. Develop corporate fund raising effort and pursue foundation and additional governmental support. Provide general administrative support to program including writing technical and program reports, and monitor budgets.  
**Requirements:** Bachelor's minimum, Master's engineering or MBA preferred. Considerable related experience including 2 years of administrative or business experience with an educational program. Ability to understand and communicate technical and scientific issues essential. Send cover letter and resume to Sam Weeks.

**Assistant Director (PA9105) Level 40  
Information Technologies-Endowed**  
Direct a professional and technical staff in planning, facilitating and supporting marketing and distribution of information technologies, including sale of hardware, networking and associated technologies and negotiation of software contracts.  
**Requirements:** Bachelor's or equivalent experience desired: coursework in computing, business, marketing or related fields desired. Considerable experience developing services in related fields. Proved ability to create and direct the implementation of innovative services. Excellent communication skills to negotiate, influence and articulate goals and plans. Financial skills appropriate to a retail operation preferred. Management experience essential. Send cover letter and resume to Cynthia Smithbower by February 16.

**Project Leader II (PT0314) Level 36  
CIT/IR-Endowed**  
This is a high visibility position both at CU and nationally. Plan, supervise and coordinate a major development project using micro, mini, and mainframe technologies. Supervise development activity at CU and other universities and coordinate vendor support.  
**Requirements:** Bachelor's or the equivalent combination of education and experience. Extensive computer and systems work including design and implementation of major systems.

Experience in supervision, project management and micro-based office systems also needed. Work with both IBM and Macintosh micro computers. Technical knowledge of the CU computing and network environment, CU operating systems, ADABAS and NATURAL. Send cover letter and resume to Sam Weeks.

**Project Leader II (PT9603) Level 36  
CIT/IR-Endowed**  
Responsible for maintenance, changes and enhancements of Student Information System. Assist in definition and implementation of interfaces with SIS.  
**Requirements:** Bachelor's or equivalent required. 3-5 years of experience in programming, analysis, design and project management required. Considerable experience with large interactive application systems required. Proven ability to deal effectively with users, programmers, peers and management required. Knowledge of IBM MVS operating system and JCL required. Experience with student records system or other student-related systems desirable. Experience with microcomputers as user workstations desirable. Knowledge of CMS, PL/1 and ADABAS/Natural desirable. Send cover letter and resume to Sam Weeks.

**Senior Technical Consultant (PT0301) Level 35  
Information Technologies-Endowed**  
Provide high-level expertise and leadership in evaluating and supporting personal productivity tools: word processing, desktop publishing, spreadsheet and microcomputer database packages for varied workstations, including IBM and Macintosh micro-computers. Participate in strategic decision-making concerning productivity tools and their support on campus. Prepare consulting materials, workshops and documentation for colleagues and campus.  
**Requirements:** Bachelor's or equivalent experience. High level expertise. 5-7 years related experience including micro-computer experience: IBM and Macintosh productivity tools including word processing, desktop publishing, spreadsheets and databases. Computing Services experience preferable. Leadership, organizational and communication skills. Writing samples may be requested. Send cover letter and resume to Sam Weeks.

**Systems Programmer/Analyst III (PT0401) Level 34  
CIT/Research and Analysis-Endowed**  
Design, implement, install, document and maintain system software, complex software programs in packages for DEC Vaxen running VMS, and other systems running UNIX. Assess performance and make recommendation related to the general operation of the various systems.  
**Requirements:** Bachelor's or equivalent with computer related courses. 3-5 years programming and machine architecture experience, sound knowledge of VMS and/or UNIX operating systems. Knowledge of VAX cluster environment desirable. Several major programming languages eg. C, Pascal, Fortran, working knowledge of TCP/IP Protocols. Good interpersonal skills. Send cover letter and resume to Sam Weeks.

**Systems Programmer/Analyst III (PT0102) Level 34  
Computer Science-Endowed**  
Help Computer Science researchers design, develop, and implement large Lisp software programs. Provide support, maintenance, and installation of Lisp software systems on the research facility computers. This includes the complete Symbolics operating system, Lucid Common Lisp on the Sun, Allegro Common Lisp on the NeXT, and a variety of related software systems. Support activities would include work on Macintosh, UNIX, and TCP/IP networking.  
**Requirements:** Bachelor's in math or computer science or equivalent experience; ability to communicate with researchers; significant experience with development and maintenance of large computer software systems; and Lisp and Lisp development environments. Helpful: UNIX operating system, TCP/IP networks and distributed computing, Ethernet, and NFS. Send cover letter and resume to Sam Weeks.

**Technical Consultant II (PT0503) Level 33  
Information Technologies-Endowed**  
Provide expertise in evaluation and supporting personal productivity tools: word processing, spreadsheet, and database packages for varied workstations, including IBM and Macintosh computers. Do consulting, workshops and documentation for colleagues and campus.  
**Requirements:** Bachelor's or equivalent. 2-3 years related IBM and Macintosh microcomputer experience in productivity tools including word processing, desktop publishing, spreadsheet and databases. Writing sample may be requested. Send cover letter and resume to Sam Weeks.

**Systems Programmer/Analyst II (PT9608) Level 33  
Engineering College Educ. Computing-Endowed**  
Provide system management for a network of UNIX-based graphics workstations; install and maintain system software and utilities, keep hardware operational and assist and consult with staff and users.  
**Requirements:** Bachelor's in computer science or equivalent. 2-3 years programming; 2 years system management, familiarity with UNIX (prefer several versions), C, HOOPS and interactive graphics; excellent communication and interpersonal skills. Send cover letter and resume to Sam Weeks.

**Technical Consultant I (PT0210) Level 32  
CIT/Information Resources-Endowed**  
Develop and prepare basic written information about computer systems. Consult with users on the use of systems in their environment.  
**Requirements:** Bachelor's or equivalent experience. Minimum of 2 years experience with at least 1 year of computer programming and 1 year of writing. Send cover letter and resume to Sam Weeks.

**Technical Consultant I (PT0209) Level 32  
CIT Services-Endowed**  
Provide technical support for CIT-supported technologies and applications, operating systems and networks. Participate in development and delivery of User Services training, consulting, documentation and information retrieval services.  
**Requirements:** Bachelor's or equivalent experience. Minimum 2 years experience in CIT-supported technologies and applications. Excellent communication and interpersonal skills. Familiarity with procedure and policies related to service provision helpful. Ability to work with the public in a wide range of circumstances. Send cover letter and resume to Sam Weeks.

**Assistant Director, CU Clubs (PA0201) HRI  
Alumni Affairs-Endowed**  
Assist the Director and the Associate Director in planning overall policies, procedures and goals for CU Alumni Clubs nationally. Work with all clubs in starting programs to assist the efforts of the Admissions, Career Center, Tradition, Summer Job Network offices. Serve as club affairs liaison to those respective offices. Supervise club activities in assigned regions. Assist in planning, development and execution of volunteer leadership workshops. Position starts in April.  
**Requirements:** Bachelor's or equivalent; CU degree preferred. Demonstrated ability to work with and organize volunteers; strong interpersonal communication and writing skills; minimum 2-3 years experience with volunteer organizations preferred. Some travel. Send cover letter and resume to Cynthia Smithbower by February 23.

**Research Support Specialist II (PT0505) HRI  
Plant Pathology-Statutory**  
Aid in the investigation of plant disease epidemiology and fungal genetics by analyzing field, greenhouse, and lab experiments and facilitating the research activities or other lab personnel.  
**Requirements:** Bachelor's or equivalent. Minimum of 3 years independent research experience required. Master's in plant

pathology or related field preferred. Send cover letter and resume to Sam Weeks.

**Nurse Supervisor (PA0505) HRI  
University Health Services-Endowed**  
Coordinate and provide nursing care for ambulatory patients at Gannett Health Center. To develop and supervise in-service education in ambulatory care nursing for Gannett Health Center staff nurses.  
**Requirements:** RN nurse with NYS nursing license, minimum of 4 years experience in ambulatory care preferred and experience in nursing in-service education programming desirable. Experience in ambulatory care nursing, in-service education programming and 1-2 years supervisory experience desirable. Send cover letter and resume to Cynthia Smithbower.

**Residence Hall Director (PA0508) HRI  
Residence Life-Endowed**  
Assumes primary program and related administrative duties for a residence hall unit of approximately 400-500 students. Responsibilities include staff selection, training, development, supervision and evaluation of 10-12 Resident Advisors and Program Assistant. Residence Hall Director works closely with Faculty-in-Residence and/or Faculty Fellows to promote and facilitate opportunities for faculty-student interaction.  
**Requirements:** Bachelor's required, Master's or equivalent strongly preferred. Preferable degree in student personnel administration, counseling or closely related field. Some experience in student housing administration, programming staff training and supervision highly desirable. Send cover letter and resume to Cynthia Smithbower.

**Executive Staff Assistant (PC0413) HRI  
Human Ecology Administration-Statutory**  
The Executive Staff Assistant represents and is the initial contact person for the office of the Associate Dean to the public and provides administrative support. Much of the information flow is confidential and/or highly sensitive, and a large percentage of the interactions are with other College and University high level administrators.  
**Requirements:** Bachelor's preferred. Associate's with extensive experience. 5 years experience in complex office environment. Excellent communication, interpersonal, and organizational skills are essential. Experience dealing with confidential matters highly desirable. Experience with microcomputers and word processing required (Macintosh preferred). Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Farm Manager II (PA0405) HRI  
Pomology-Statutory**  
Manage the operations of CU Orchards. Supervise six support staff, up to 20 seasonal temporary employees, and purchases. Organize the production, harvesting, storing, grading and marketing of saleable fruit. Work closely with faculty, technicians, graduate students and staff.  
**Requirements:** Bachelor's with coursework in Pomology, pest management, soil science and economics. NYS Pesticide applicator's license and driver's license. 2-3 years experience in Orchard Management and supervisory skills. Working knowledge of computers and software for accounting and record keeping. Send cover letter and resume to Cynthia Smithbower by February 16.

**Research Support Specialist I (PT0402) HRI  
Biotechnology Program-Endowed**  
Independently operate the Monoclonal Antibody Facility, and work with facility users. Significant teaching and explaining specialized techniques to faculty and graduate students.  
**Requirements:** Bachelor's in cell biology, animal science or related field or equivalent. 2-3 years experience in mammalian cell and tissue culture, specializing in monoclonal antibody production. Immunochemical procedures and immunoassay development highly desirable. Requires ability to work alone and to tackle new technologies with minimal supervision. Send cover letter and resume to Sam Weeks.

**Supervisor, Fixed Asset Accounting (PA0406) HRI  
Finance and Business Services-Statutory**  
Supervise the accounting for plant and capital assets including plant and construction accounts and equipment inventory for the Statutory Colleges. Be responsible for appropriate capitalization of assets within the Statutory Colleges on the State University Property Control System. Recommend policy and procedure for these transactions. Oversee utility transactions and other critical financial transactions.  
**Requirements:** Bachelor's in accounting or business administration. 2-3 years experience in accounting; familiarity with university accounting preferred. Supervisory experience and excellent interpersonal and communications skills necessary. Proficiency with PC spreadsheets required, with PC databases preferred. Send cover letter and resume to Cynthia Smithbower by February 16.

**Supervisor, Barcode Cleanup Group (PA0408) HRI  
Catalog/CTS/CUL-Endowed**  
Responsible for planning and assisting in the implementation of barcode projects in Olin, Uris, and the Endowed Unit Libraries. Work without supervision, exercising considerable judgment in the area of technical and operations procedures. Manage the barcode clean-up in Central Technical Services; including: supervision of CTS staff located in the unit for the duration of the project; coordination of CTS staff and unit staff in all areas to insure the successful completion of the unit's barcoding project. 2 year term.  
**Requirements:** Associate's or equivalent experience. Must have 2 years relevant technical services experience; academic or research library background desirable; demonstrated ability to work independently and exercise good judgment; outstanding interpersonal, organizational and communication skills; ability to work under pressure; attention to detail; previous supervisory experience preferred. Send cover letter and resume to Cynthia Smithbower.

**Applications Programmer II (PT0311) HRI  
Agricultural Economics-Statutory**  
Provide computer programming support to faculty, professional staff and graduate students; assist users with a variety of mainframe, mini and micro computer applications in research, teaching and extension activities; analyze, design, implement and maintain new applications programs and systems; consult with users; simple micro computer repair tasks.  
**Requirements:** Bachelor's or equivalent with computing related courses or equivalent. 2-3 years experience in both micro and mainframe applications is preferred. Entry-level skills in Fortran and PL/I, and proficiency in PASCAL programming languages. Competency in use of software packages. Strong interpersonal skills are important. Experience in an academic organization is desirable. Send cover letter and resume to Sam Weeks.

**Research Support Specialist I (PT0309) HRI  
Agriculture and Biological Engineering-Statutory**  
Do lab tests on highway materials; assist local government personnel by teaching workshops on materials and providing technical assistance on highway engineering problems; assist faculty and students with highway research projects; and help with teaching classes and preparing labs. Until 12/31/90.  
**Requirements:** Bachelor's in civil engineering or equivalent. Valid NYS driver's license. 2-3 years experience in public works or highway construction. Some technical training work. Send cover letter and resume to Sam Weeks.

**Research Support Specialist (PT0306) HRI  
Equine Drug Testing-Statutory**  
Operate and maintain Mass Spectrometer, Gas Chromatograph and HPLC. Isolate and purify drugs and their metabolites

for analytical analysis.  
**Requirements:** Bachelor's in organic chemistry or equivalent experience. 2-3 years work with thin layer chromatography and basic knowledge of drug metabolism. Send cover letter and resume to Sam Weeks.

**Extension Support Specialist (PT0208) HRI  
Diagnostic lab-Statutory**  
Assist Extension faculty in the performance of service and research. Must independently conduct farm assessments and research trials, primarily with swine.  
**Requirements:** Bachelor's or equivalent in animal science. Minimum requirement AHT certification. 2-3 years related research experience. Prefer candidates with computer and statistical analysis experience as well as those with work experience in unsupervised setting. Ability to make good judgments. Send cover letter and resume to Sam Weeks.

**Research Support Specialist I (PT0212) HRI  
Animal Science-Statutory**  
Provide supervisory and technical support for research programs involving the design and analysis of Dairy Management Systems utilizing the NY Dairy Herd Improvement database. Analyze and develop dairy herd performance measures that will predict economic returns to the dairy enterprise. Develop and program software to assist with dairy herd management.  
**Requirements:** Bachelor's or equivalent in animal science or agricultural economics. High level language, e.g., "C" programming experience, ability to use SAS, understanding of advanced computing techniques such as expert systems. Dairy farm background or experience helpful. Send cover letter and resume to Sam Weeks.

**Supervisor, Technical Services III (PT0107) HRI  
Division of Biological Sciences-Endowed**  
Manage instrumentation repair and development facility. Assemble, repair and maintain analog, digital, and mechanical lab equipment. Design specialized equipment for researchers and technicians.  
**Requirements:** Associate's or equivalent and 2 years of repair and maintenance experience are required, Bachelor's preferred. Knowledge of lab equipment and computer based data acquisition are very desirable. Good interpersonal and communication skills are essential. Send cover letter and resume to Sam Weeks.

**Senior Writer II/Editor (PC9504) HRI  
University Development-Endowed**  
Take ultimate responsibility for producing 4 to 6 annual issues of Communique—University Development's chief communication to 12,000+ donors and volunteers—either delegating or taking direct responsibility for all stages from conception through publication. Write proposals, biographies, and draft presidential correspondence. Manage department in director's absence, provide guidance to staff members on fund-raising and communications issues, and represent department at occasional meetings.  
**Requirements:** Bachelor's or equivalent. 2-3 years related writing/editing experience. Experience in publications management. Sophisticated knowledge of fund-raising and communications strategies. Superior writing and editing ability. Ability to sustain high work quality and meet deadlines during peak work-load periods. Familiarity with CU's academic and administrative departments helpful. Send cover letter, resume and writing sample to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

## Professional Off-Campus

**Administrative Supervisor II (PA0506) HRI  
Nutritional Science/CFNPP-Washington, DC-Statutory**  
Oversee all aspects of the administrative/financial management of busy CU Food and Nutrition Policy Program office in Washington, DC. Under general supervision, provide daily management of office operations for international projects and a program/support staff of 20-30 individuals.  
**Requirements:** Bachelor's or equivalent. 2 years or more relevant experience in administration and coordination of international projects of comparable size. Familiarity with AID contract regulations, including AIDAR and FAR. Experience in the areas of budgets, procurement, and supervision. Excellent communication skills, ability to work under pressure and meet deadlines. Send cover letter and resume to Cynthia Smithbower.

**Extension Support Aide (PA0404) HRI  
HDFS/Family Life Development Center-New York City-Statutory**  
Provide program support; responsible for logistics, business and facilities management, computer services planning and support.  
**Requirements:** Bachelor's or equivalent. 1-2 years experience in office environment including at least 1 year experience with microcomputers utilizing word processing, spread sheets, databases, desktop publishing, graphics, communication. Send cover letter and resume to Cynthia Smithbower.

## Professional Temporary

**Assistant Director for Arts and Sciences (PA0402) HRI  
Career Center-Endowed**  
Work with Associate Director for Arts and Sciences to provide advice and counsel regarding career issues to students in the College of Arts and Sciences. Sponsor job hunting workshops. Assist in coordinating alumni career programs. Prepare written materials concerning relationship between liberal arts education and careers. Until June 1990.  
**Requirements:** Master's preferred in counseling, education or liberal studies. 1-2 years previous experience in career planning and placement preferred. Excellent writing and interpersonal skills. Strong interest in liberal arts issues. Send cover letter and resume to Cynthia Smithbower.

**Applications Programmer/Analyst I (PT9707) Level 32  
Public Safety-Endowed**  
Under direct supervision, design, develop, modify, maintain and document computer applications as needed for the Division of Campus Life. Temporary until 7/1/90.  
**Requirements:** Associate's or equivalent with computer related courses. 1 year programming experience preferred; some working knowledge of applications for batch and interactive systems, JCL, database concepts. Hardware experience on IBM systems/36 and micros preferred. COBOL and 1 other programming language required. Send cover letter and resume to Sam Weeks.

## Technical

As a prominent research institution, CU 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.

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.

**Research Aide, GR18 (T0507)  
lab of Ornithology-Statutory  
Minimum Biweekly Salary: \$513.94**

Create and analyze computerized records for Bird Population Studies by editing data records and running data through analysis programs. Handle written and oral correspondence for the program. 1 year appointment.

**Requirements:** Associate's or equivalent in biological sciences, wildlife management, resources management or related field. Able to identify all species of birds likely to occur in the Cayuga Lake Basin, visually and/or by their sounds. Aptitude and enthusiasm for creative use of both micro and mainframe computing environments and software. Knowledge of identification and habitat ecology of North American birds. Send cover letter and resume to Sam Weeks.

#### Technician, GR18 (T0305)

##### Agronomy-Statutory

**Minimum Biweekly Salary: \$513.94**

Map digitizing, entering and editing data (80%). Perform soil analyses to include sample preparation, grinding, sieving, particle-size analysis, bulk density, and chemical extractions (20%).

**Requirements:** Associate's or equivalent. Experience in the area of soils, agronomy, natural resources, geography or related field. Knowledge of personal computer required. Work related lab experience is desired. Familiarity with geographic information systems and database management software is desired. Send cover letter and resume to Sam Weeks.

#### Animal Technician, GR18 (T0106)

##### lab Animal Services-Statutory

**Minimum Biweekly Salary: \$513.94**

Provide care (feed, water, clean and monitor) for research animals following strict protocols for sterile or disease control environments and regulations for animal welfare. Maintain animal records. May include assisting Vets in treating and vaccinating animals. 5 days per week including weekends.

**Requirements:** HS diploma or equivalent. Associate's in Animal Science required. Assistant animal certificate helpful. Knowledge of a variety of lab animals and animal breeding required. 1 year animal experience. Ability to lift 50 lbs. Pre-employment physical and all necessary immunizations required.

#### Technician, GR19 (T7306)

##### Pomology-Statutory

**Minimum Biweekly Salary: \$535.78**

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

**Requirements:** Minimum 2 years coursework in chemistry/math required. Bachelor's or equivalent in biology or related field with coursework in chemistry or math preferred. 1 year related experience. Ability to safely handle lab chemicals and pesticides. Send cover letter and resume to Sam Weeks.

#### Technician, GR20 (T0411)

##### Agronomy-Statutory

**Minimum Biweekly Salary: \$558.78**

Manage lab activities, digitize maps, and enter/edit soil data in the Soil Information Systems lab. Perform soil analyses in the soil characterization lab.

**Requirements:** Bachelor's in soil, agronomy, natural resources or related field. 1-2 years related experience. Knowledge of personal computers, and lab experience desirable. Familiarity with geographic information systems and database management software desired. Send cover letter and resume to Sam Weeks.

#### Technician, GR20 (T0308)

##### Clinical Sciences-Statutory

**Minimum Biweekly Salary: \$558.78**

Supervise equine respiration and performance area, include exercise treadmill. Assist with experimental procedures on animals. Occasional weekend and holiday hours.

**Requirements:** Bachelor's in animal health technology or equivalent. 1-2 years related experience with handling and managing horses. Supervisory ability. Applicable certification/license as required. Send cover letter and resume to Sam Weeks.

#### Electrical Technician, GR20 (T0112)

##### Hotel Administration-Endowed

**Minimum Biweekly Salary: \$575.30**

Provide support for all Macintosh microcomputers (this includes programming, software and hardware support), and coordinate the support of the Appletalk network for faculty and staff.

**Requirements:** Bachelor's or equivalent coursework in computing or related fields; 1 year related experience with computer facility operations. Familiarity with hardware maintenance activities required. Experience with the Macintosh required. Some knowledge of networks desired. Send cover letter and resume to Sam Weeks.

#### Animal Health Technician, GR20 (T9705)

##### Veterinary Medical Teaching Hospital-Statutory

**Minimum Biweekly Salary: \$558.78**

Provide support therapy for ICU patients and assist with emergency procedures. Teach intensive care and emergency protocol to students assigned to ICU duty.

**Requirements:** Associate's in animal health technology, NYS License or eligible. 2 years experience working with small animals preferred and an interest in teaching critical care techniques. Send cover letter and resume to Sam Weeks.

#### Receiving Technician Floater, GR20 (T9613)

##### Diagnostic lab-Statutory

**Minimum Biweekly Salary: \$558.78**

This position backs-up all specialized functions in the Receiving Section as well as provides primary interface with clients, faculty and other staff in the Veterinary College on problem submissions. Review submission forms for completeness and appropriateness, label and prepare specimen submissions for testing. Perform preliminary data input to lab computer. Assist the Medical Records section with the result data input. Resolve special submission problems. Assist in development and distribution of information regarding correct specimen collection and mailing procedures to assure clients receive useful test results. Back-up to Serum Splitter. Back-up for Export Technician and Referral Technician. Open, sort and distribute mail.

**Requirements:** Associate's or Bachelor's in animal science or related animal health field. Licensed Animal Health technician preferred. 1-2 years related experience in veterinary practice or in large animal health facility helpful. Excellent interpersonal and communication skills. Send cover letter and resume to Sam Weeks.

#### Histology Technician, GR20 (T0115)

##### Veterinary Pathology-Statutory

**Minimum Biweekly Salary: \$558.78**

Prepare high quality microscopic slides for interpretation by Pathologist. Primary duties include embedding, sectioning and staining of animal tissue sections.

**Requirements:** Bachelor's or equivalent in medical lab technology with coursework in histological techniques. HT (ASCP) certification or eligible preferred. 1-2 years experience as a histology technician in a hospital or research lab preferred. Send cover letter and resume to Sam Weeks.

#### Computer Operator, GR21 (T0504)

##### Dining Services-Endowed

**Minimum Biweekly Salary: \$599.73**

Assist the system manager. Responsible for reports, monitoring equipment, maintenance, supplies, staff support, and output audits.

**Requirements:** Associate's or equivalent with related computer studies. Six months to 1 year related experience. Skills of basic computer operator, supporting systems including mini-micro computers, JCL, card readers, printers, modems, telecommunications lines and channel interfaces. Strong interpersonal and communication skills. Send cover letter and resume to Sam Weeks.

#### Technician, GR21 (T0405)

##### Clinical Sciences-Statutory

**Minimum Biweekly Salary: \$582.29**

Supervise research lab in equine reproduction. Assist with surgery, perform lab techniques, analyze data, and assist in teaching labs.

**Requirements:** Bachelor's or equivalent in animal science or related field. 2 years experience with embryo transfer and/or mammalian cell culture. Microcomputer skills: word processing, database management, data analysis, graphics and bibliographic searches very desirable. Experience handling and treating large animals. Send cover letter and resume to Sam Weeks.

#### Lab Technician, GR22 (T0501)

##### Veterinary Microbiology-Statutory

#### Minimum Biweekly Salary: \$607.04

Maintain cell lines for in vitro assays and conduct these assays for various lymphocyte products. Responsible for developing cell lines from specifically stimulated cell populations. Other general in vitro procedures such as hybridoma maintenance and general lab duties.

**Requirements:** Bachelor's or equivalent in science/biology. 2-4 years lab experience. Experience in tissue culture is required. Send cover letter and resume to Sam Weeks.

#### Research Equipment Technician, GR22 (T0406)

##### Nuclear Science and Engineering-Endowed

**Minimum Biweekly Salary: \$625.24**

Build research lab apparatus using standard machine shop equipment; use and maintain research lab equipment; operate low power nuclear reactors; operate gamma irradiation facility; use radiation safety equipment.

**Requirements:** Associate's in mechanical and/or electrical technology or equivalent experience. 3 years related experience. Nuclear reactor operator license or certification highly desirable. Knowledge of use of machine shop tools and research lab test equipment. Willingness and ability to learn procedures and methods of radiation safety and reactor operations and to pass US operator license examination (after training). Send cover letter and resume to Sam Weeks.

#### Computer Production Control, GR22 (T0202)

##### Finance and Business Services-Statutory

**Minimum Biweekly Salary: \$607.04**

Set-up, monitor and operate all data processing equipment within terminal area. Responsible for accurate processing of all systems in productional status. Work various shift changes to cover heavy processing loads. Maintain operational documentation as necessary.

**Requirements:** Associate's in data processing or equivalent experience. 2 years production control or related experience. Knowledge of MVS/JCL VM/CMS, System 36, AMP ADABAS systems. Send cover letter and resume to Sam Weeks.

#### Computer Operator, GR22 (T9607)

##### Animal Science-Statutory

**Minimum Biweekly Salary: \$607.04**

Responsible for computer night shift, putting out daily run, distribute output and listings, run tests and jobs submitted by programmers and keep shelves supplied with forms. Monday-Wednesday, 11:30 pm-8:00 am; Thursday and Friday, 11:30 pm-7:30 am

**Requirements:** Associate's or equivalent in data processing. 3 years experience desirable particularly with IBM mainframe. Send cover letter and resume to Sam Weeks.

#### Technician, GR24 (T0502)

##### Diagnostic lab-Statutory

**Minimum Biweekly Salary: \$662.90**

Assist with management of Automated Serology Section, i.e., training and scheduling of technicians. Direct, evaluate and trouble shoot routine tests. Develop new test and technology, and conduct assays. Data reduction and critical evaluation of results using computerized graphics and statistical software. Assist with evaluation of literature and writing of publications. Rotate into DL sections when heavy workload.

**Requirements:** Bachelor's required or equivalent. Master's preferred. Minimum of 5 years in developing/conducting enzyme immunoassays. Experience with kinetics ELISA systems highly desirable. Send cover letter and resume to Sam Weeks.

#### Electronics Technician, GR24 (T0407)

##### Biomedical Electronics-Statutory

**Minimum Biweekly Salary: \$662.90**

Provide preventive maintenance, repair, modification and design of medical electronics instrumentation.

**Requirements:** Associate's in electronics technology, BMET certification preferred, with 2-4 years experience in Medical Instrumentation. Need a working knowledge of: sophisticated test equipment and software; laser and other optical technology; electromechanical equipment; and machine shop practices. Must have manual dexterity and be computer literate. Send cover letter and resume to Sam Weeks.

#### CHESS Operator, GR24 (T0404)

##### CHESS-Endowed

**Minimum Biweekly Salary: \$682.77**

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

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

#### Technician, GR24 (T8911)

##### Neurobiology and Behavior-Endowed

**Minimum Biweekly Salary: \$682.77**

Work in experiments for electron and light microscope autoradiography and finestructure. Help prepare new tissue preparations for scanning electron microscope.

**Requirements:** Bachelor's or equivalent experience in physical sciences (neurobiology or biochemistry). 5+ years experience. Use of electron microscope, scanning EM, microtomes, tissue. Send cover letter and resume to Sam Weeks.

#### EMCS/Control Technician (T0412)

##### Maintenance and Service Operations Control Shop-Endowed

Perform energy management monitoring on a rotating shift. Must have knowledge of HVAC control system, pneumatic and electric. Direct digital knowledge is desirable.

**Requirements:** Served an approved apprenticeship or 5 years experience in the HVAC field. Computer familiarity especially direct digital control microprocessor hardware and software is desirable. Must join union within 30 days. Must hold valid NYS drivers license. Send cover letter and resume to Sam Weeks.

## Technical Off-Campus

#### Temporary Research Assistant

##### Plant Pathology-Hudson Valley lab

**Salary: \$5.50 per hour**

Assist researchers in collection and organization of field data, weather data, and orchard maintenance. Assist with some lab work (media preparation and culture of fungi). Temporary, full-time (up to maximum of 6 months). Usually Monday-Thursday 8 am-5 pm and Friday, 8 am-4 pm. Some variation in scheduled hours may occur during the growing season. Available March 15, 1990.

**Requirements:** HS diploma. Valid New York State driver's license. Contact Frederick Meyer or Vern Rist, NYS Agricultural Experiment Station, Hudson Valley lab, P.O. Box 727, Highland, NY 12528. Telephone: 914-691-7151.

## Technical Part-time

#### Technician, GR21 (T9612)

##### Avian and Aquatic Animal Medicine-Statutory

**Minimum full-time equivalent: \$582.29**

Provide technical assistance in ultrastructural studies of fish pathology. Assist in all phases of transmission and scanning electron microscopy sample preparation, examination of specimens, photography, ultramicrotomy, preparation of prints of electron micrographs. Develop histochemical assays for ID of cell types in fish histo sections. 30 hours per week between 8 am-5 pm

**Requirements:** Bachelor's required in 1 of the biochemical sciences. 1-2 years related experience in all phases of scanning and transmission electron microscopy. Experience in immunoperoxidase techniques desired. Send cover letter and resume to Sam Weeks.

#### Technician, GR22 (T0506)

##### Vegetable Crops-Statutory

**Minimum full-time equivalent: \$607.04**

Provide technical assistance for physiological studies with potatoes. Apply experimental treatments in growth chambers and greenhouses; perform biochemical and virological assays; maintain in vitro cultures; and summarize and analyze data on microcomputers. 20 hours per week.

**Requirements:** Bachelor's or equivalent in biochemistry, chemistry, or biology with training or experience in all 3 of these areas preferred. Graduate training highly desirable. 2 years experience on job or in coursework with as many of the following areas as possible: aseptic techniques, high pressure liquid chromatography, plant growing, microcomputers. 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 (45-80+ wpm) are encouraged to apply.

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.

#### Cashier, GR15 (C0405)

##### Unions and Activities-NC-Endowed

**Minimum Biweekly Salary: \$486.92**

Operation of cash register; cash and credit sales; provide information to interested customers about CU and the Ithaca area. Tuesday-Saturday; 3:45 pm-12:00 am 10 month position.

**Requirements:** HS diploma or equivalent. 1 year experience as a cashier. Previous knowledge of CU and Ithaca area desirable. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

#### Cashier, GR15 (C0402)

##### Unions and Activities-NC-Endowed

**Minimum Biweekly Salary: \$486.92**

Operation of cash register; cash and credit sales; stocking and facing store shelves. Tuesday-Saturday; 3:45 pm-12:00 am

**Requirements:** HS diploma or equivalent. 1 year experience as a cashier. Previous knowledge of New York State tax law helpful. Ability to work quickly and accurately. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

#### Office Assistant, GR16 (C0416)

##### NYSSILR-Library-Statutory

**Minimum Biweekly Salary: \$477.46**

Responsibilities include photocopying service; routine typing and computer input; book labeling; filing.

**Requirements:** HS diploma or equivalent. Some experience preferred. Ability to handle detail, accuracy, and flexibility. Aptitude for work with microcomputers, photocopy machines, labeling equipment. Medium typing.

#### Data Entry Operator, GR17 (C0421)

##### Acquisitions/CTS/CUL-Endowed

**Minimum Biweekly Salary: \$517.65**

Enter book and order records into the NOTIS on-line acquisitions system.

**Requirements:** HS diploma or equivalent. Some experience preferred. Familiar with computer terminals. Heavy typing.

#### Accounts Assistant, GR17 (C0408)

##### lab of Plasma Studies-Endowed

**Minimum Biweekly Salary: \$517.65**

Assist Accounts Assistant, GR20 as needed. Incumbent will prepare all requisitions; process all invoices and reimbursements to individuals, etc.; handle deposits and order postage; file, copy (including billing), etc.

**Requirements:** HS diploma or equivalent. 1 year related experience. Familiar with CU accounting desirable. Attention to detail. Light typing.

#### Accounts Assistant, GR18 (C0507)

##### Cooperative Extension Administration-Statutory

**Minimum Biweekly Salary: \$513.94**

Ensure the prompt payment of all obligations (except payroll) incurred by on campus Extension Administration staff. Audit, code and approve standard and travel vouchers and Interdepartmentals for reimbursement according to State, Federal and College regulations; process payment of monthly CU Stores bills; examine and process billings for fleet expenses for all on campus Extension offices; liaison with Telecommunications for Extension Administration Offices.

**Requirements:** HS diploma or equivalent with at least 1-2 years experience in accounting. Some college coursework preferred. Knowledge of CU accounting systems preferred. Experience in voucher preparation and federal/state regulations governing accountability and expenditures. Light typing.

#### Secretary, GR18 (C0411)

##### Engineering Advising-Endowed

**Minimum Biweekly Salary: \$529.35**

Maintain student databases on FoxBase+/Mac and use to generate lists, reports, and letters; responsible for mailing, organizing and maintaining confidential files of academic action letters and petitions; assist with coordination of special events; provide secretarial support to Advising professional staff; back up front desk. Other duties as assigned.

**Requirements:** HS diploma or equivalent. Secretarial and/or computer coursework preferred. 1 year related experience. Knowledge of Microsoft Word and FoxBase+ for the Macintosh preferred. Good telephone and organizational skills. Able to meet deadlines, work independently and set priorities. Medium typing.

#### Office Assistant, GR18 (C0412)

##### University Relations/News Service-Statutory

**Minimum Biweekly Salary: \$513.94**

Assist with production of news releases; serve as receptionist; and provide clerical and research support for editors and writers.

**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1 year office experience, preferably at CU. Good organizational skills and experience in dealing with people. Familiar with PC and highly accurate typing skills desirable. Medium typing.

#### Senior Records Assistant, GR18 (C0419, C0420)

##### Serials/CTS/Olin/CUL-Endowed

**Minimum Biweekly Salary: \$529.35**

Under the direction of NOTIS Record Conversion coordinator is responsible for conversion of manual serial check-in records to NOTIS Order/Pay/Receipt records. 2 year term.

**Requirements:** HS diploma or equivalent; additional academic/clerical experience helpful. Strong interpersonal, organizational and communication skills. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

#### Secretary, GR19 (C0501)

##### JGSM-Endowed

**Minimum Biweekly Salary: \$551.86**

Provide word processing (some technical typing) for a group of faculty members using Mass 11 and Macintosh. Responsibility includes supporting their research, teaching and other programs.

**Requirements:** HS diploma or equivalent. Some college coursework. 2-3 years secretarial/office experience. Knowledge of Mass 11 word processor and Macintosh computers and technical typing desirable. Must be able to set priorities and see all jobs through from beginning to end. Heavy typing.

#### Personnel Assistant, GR19 (C0418)

##### Administrative Operations/Olin/CUL-Endowed

**Minimum Biweekly Salary: \$551.86**

Provide support in the administration of endowed personnel activities for the CU Library System primarily in the areas of recruitment, payroll and general office administration. Manage confidential personnel files; maintain automated personnel records system; process personnel related forms; assist with payroll; serve as initial contact for visitors and staff. Other duties as assigned.

**Requirements:** Associate's or equivalent. Some college coursework desirable. 2 years related experience preferred. Previous office and microcomputer, especially word processing experience. Able to handle confidential material with discretion, set priorities, and work in an active environment. Strong organizational, communication (written and verbal) and interpersonal skills. Familiar with database management helpful. Medium typing. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

#### Secretary, GR19 (C0417)

##### Floriculture and Ornamental Horticulture-Statutory

**Minimum Biweekly Salary: \$535.78**

Serve as Graduate Field Secretary and department Extension Secretary; provide word processing support and database management for 6 faculty and their support staff; liaison with Graduate School and Cooperative Extension staff in NYS.

**Requirements:** HS diploma or equivalent. Some college coursework preferred. 2 years secretarial or administrative experience. Knowledge of IBMPC and CMS essential; Wordperfect, Notebook and ProCom experience desired. Excellent organizational, interpersonal and communication skills essential. Medium typing.

#### Administrative Aide, GR19 (C0415)

##### Law-Endowed

**Minimum Biweekly Salary: \$551.86**

Serve as primary contact for legal employers wishing to interview CU law students, making all necessary arrangements and notifying all interested parties in a timely fashion. Assist students and employers in making adjustments to computer-generated interview schedules, editing them to final form; process and post employment opportunities with nonvisiting legal employers as received; compile statistical reports; assist students in use of Placement Library; provide advice on procedural questions about placement process.

**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1-2 years wordprocessing experience preferred. Good public relations skills essential. Excellent organizational, interpersonal and communication skills. Medium typing.

#### Administrative Aide, GR19 (C0423)

##### Civil and Environmental Engineering-Endowed

Challenge

Continued from page 1

affect the Cornell minority community and then making recommendations on changes in institutional policies and plans..

ACSM is planning a regional conference, "Strategies to Improve Minority Participation and Achievement in Education: An Upstate Effort" on June 11-12, 1990. The goal of the conference is to provide insight into current programs in (1) faculty and student recruitment and retention; (2) affirmative action; (3) private and voluntary organizations; and (4) the relationship between various levels of educational institutions. The conference will provide an opportunity to expand the commitment, coordination and cooperation of our efforts in Upstate New York to address the crisis of declining enrollment of minorities in higher education. The conference will include guest speakers, panel discussions and small discussion groups. A partial list of leaders include:

Jobs

Continued from page 3

**Administrative Aide, GR21 (C0407)**  
**JGSM-Endowed**  
**Minimum Biweekly Salary: \$599.73**  
Provide administrative support for the corporate relations department; provide stewardship to supporting firms; plan, coordinate and implement corporate events; initiate and maintain corporate contacts in database.  
**Requirements:** Associate's or equivalent experience in public relations. Strong communication, interpersonal, organizational skills. Finesse with confidential and sensitive information are important requirements. 2-3 years administrative/secretarial experience. Must type 60+ wpm and be experienced with word processing; Mac experience helpful. Heavy typing.

**Administrative Aide, GR21 (C0307)**  
**Veterinary Administration-Statutory**  
**Minimum Biweekly Salary: \$582.29**  
Provide office and financial management, reception, scheduling, typing and other clerical assistance to the Assistant Dean. Independent decision making is required. May also provide clerical support to the Dean and an Associate Dean of the College.  
**Requirements:** Associate's or equivalent. Minimum 3 years related experience. Strong communications (oral and written) and interpersonal skills. Proficiency in using IBM compatible personal computers for word processing, database management, and spreadsheet analyses. An ability to establish and accomplish priorities. Medium typing. CU employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Administrative Aide, GR21 (C0204)**  
**Biotechnology Program-Endowed**  
**Minimum Biweekly Salary: \$599.73**  
Provide editorial and administrative support for National Agricultural Biotechnology Council and Biotechnology Transfer Programs including editing and formatting publications, grants and conference proceedings and arranging large conferences and workshops.  
**Requirements:** Associate's or equivalent. Bachelor's in English or other related field preferred. Some science background highly preferred. Strong writing and editing skills. Organization and oral communication skills. Knowledge of computer. Medium typing. Send original marked up editing and writing samples with cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Accounts Coordinator, GR21 (C9619)**  
**Finance and Business-Statutory**  
**Minimum Biweekly Salary: \$582.29**  
Responsible for maintenance of the CU Statutory equipment inventory master file. Audit equipment vouchers; input information into Property Control System in Albany; reconcile Property Control edit reports with CU statements; correspondence with CU and Albany personnel; request necessary reports for PCS in Albany.  
**Requirements:** Associate's in business or accounting or equivalent. 2-3 years office experience necessary. Strong interpersonal and communication skills. Personal computer and terminal experience required. Light typing. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Accounts Coordinator, GR21 (C0111)**  
**Finance and Business-Statutory**  
**Minimum Biweekly Salary: \$582.29**  
Responsible for processing all Statutory College utility payments from State appropriations. Perform various reconciliations and document processing functions for Finance and Business Services.  
**Requirements:** Associate's or equivalent experience. 3-4 years office experience necessary. Good interpersonal and communication skills. Personal and terminal experience. Light typing.

**Accounts Coordinator, GR25 (C0304, C0305)**  
**Finance and Business Services-Statutory**  
**Minimum Biweekly Salary: \$694.38**  
Provide leadership and technical expertise to a team of 2 accountants in post-award financial management of approximately 1000-1200 restricted operating accounts totaling 30-35 million dollars annually. The team leader coordinates the team's efforts within policies and procedures of CU and within funding requirements of sponsoring agencies or donors.  
**Requirements:** Bachelor's in accounting/business administration or equivalent combination of education and experience. Coursework in supervisory management desirable. Training and experience in grant/contract or fund accounting is essential. Ability to work with and manage personnel resources is essential. Strong communication (oral and written) skills are necessary and must demonstrate high level of organizational ability. Working knowledge of computer management systems reports essential. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

Office Professionals Off-Campus

**Accounts Assistant, GR19 (C0508)**  
**Integrated Pest Management-Geneva-Statutory**  
**Minimum Biweekly Salary: \$535.78**  
Oversee accounting and bookkeeping responsibilities including processing vouchers, requisitions, interdepartmental payments, reconcile monthly account analysis statements, monitor budget expenditures and maintain financial accounts and records. Assist administrative aide in preparing correspondence, manuscripts, reports, proposals, and database entry utilizing computers.  
**Requirements:** HS diploma or equivalent. Some college coursework in accounting or bookkeeping. 2 years experience. Familiar with Macintosh computers helpful. Previous experi-

- President Frank H. T. Rhodes - Cornell University, Ithaca, New York
- Dr. Reginald Wilson, American Council on Education, Washington, DC
- Dr. Robert Fullilove, University of California at Berkeley
- Dr. Sara Melendez, Vice Provost, University of Bridgeport, New York
- George Sussman, Association of Colleges and Universities of the State of New York, Albany, New York

"We are excited about the ACSM's part in assisting the university in its comprehensive plan addressing the issues of minorities both now and for the 21st century," said Selden. "The 1990's, our countdown decade, will be a time in which our committee will make significant contributions. We are committed to work toward eliminating disparity and ensuring minority advancement to the level of the majority population."

*Minority persons interested in joining the ACSM or working on the committee's special projects should contact Mary DeSouza at 5-3976.*

ence with microcomputers is preferred. Familiar with Macintosh computers helpful. Medium typing.

Office Professionals Part-Time

**Cashier, GR15 (C0404)**  
**Unions and Activities-NC-Endowed**  
**Minimum full-time equivalent: \$486.92**  
Operation of cash register; cash and credit sales; provide information to interested customers about CU and the Ithaca area. Monday-Friday, 11:30 am-4:00 pm 10 month position.  
**Requirements:** HS diploma or equivalent. 1 year experience as a cashier. Previous knowledge of CU and Ithaca area desirable. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Cashier, GR15 (C0403)**  
**Unions and Activities-Endowed**  
**Minimum full-time equivalent: \$486.92**  
Operation of cash register; cash and credit sales. Stocking and facing store shelves. Monday-Friday; 11:30-4 pm 10 month position.  
**Requirements:** HS diploma or equivalent. 1 year experience as a cashier. Previous knowledge of New York State sales tax law helpful. Ability to work quickly and accurately. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Accounts Assistant, GR17 (C9508)**  
**Plant Breeding and Biometry-Statutory**  
**Minimum full-time equivalent: \$495.36**  
Assist Administrative Aide with duties of business operations in academic department. Type purchase orders; make deposits; order supplies; accounts receivable billings; pick up and deliver packages; process phone, fleet and stores bills; photocopy; fax; file; run errands. 20 hours per week. Hours negotiable.  
**Requirements:** HS diploma or equivalent. Office/accounting experience helpful. Light typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Secretary, GR18 (C0509)**  
**Uris Library/CUL-Endowed**  
**Minimum full-time equivalent: \$529.35**  
Under supervision of library secretary, provide administrative/secretarial support to the Director and to other professional staff of Uris Library. Perform extensive typing and wordprocessing; provide backup to Library Secretary in a variety of clerical and secretarial tasks. 20 hours per week, TBA. 1 year term appointment.  
**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1-2 years related experience using IBM PC equipment. Some office experience. Experience with Wordperfect software strongly preferred. Good interpersonal, communication and organization skills. Attention to detail. Able to handle confidential material with discretion. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

**Secretary, GR18 (C0315)**  
**City and Regional Planning-Endowed**  
**Minimum full-time equivalent: \$529.35**  
Provide secretarial and administrative support to one faculty. Arrange meetings, travel, conferences and appointments. Heavy word processing. Monday-Friday, 12-5. Until 12/31/91.  
**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1-2 years related experience. CU preferred. Heavy typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Secretary, GR18 (C0301)**  
**Engineering Minority Programs-Endowed**  
**Minimum full-time equivalent: \$529.35**  
Clerical support for CU Young Scholars Program. Word processing; mailings; duplicating; filing; some basic bookkeeping; receptionist duties. Monday-Friday mornings. 20 hours per week.  
**Requirements:** HS diploma or equivalent. Some college coursework. 1-2 years related office experience. Proficient on Macintosh computer. Knowledge of CU community helpful. Able to work independently and communicate with middle and high school students. Sensitivity to minority issues. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Secretary, GR18 (C0229)**  
**Plant Breeding and Biometry-Statutory**  
**Minimum full-time equivalent: \$513.94**

Provide secretarial support for faculty in the Biometrics Unit. Type correspondence, course materials, and technical manuscripts; photocopy; serve as backup for answering telephones and handling mail. Other duties as assigned. 4 hours per day; flexible. Hours may increase.  
**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1 year related office experience. Familiarity with word processing, preferably on IBM PCs or MACs. Technical typing desirable (training provided). Good interpersonal and organizational skills. Accuracy important. Medium typing. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Physical Therapist Assistant, GR20 (C0109)**  
**University Health Services-Endowed**  
**Minimum full-time equivalent: \$575.30**  
Carry out treatments as directed and supervised by the department's Physical Therapists. Monday-Friday, 20 hours per week.  
**Requirements:** Associate's in physical therapy assistantship or equivalent work experience. Athletic training preferred. Experience in orthopedic/sports medicine setting desirable. Send cover letter and resume to Karen Raponi, Staffing Services, EHP, Ithaca, NY 14850.

Office Professionals Temporary

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

**Personnel Assistant (S0502)**  
**Office of Human Resources-Staffing Services**  
Provide, under close supervision, staff support in the areas of recruitment, referral and data input.  
**Requirements:** HS diploma. 1 year office experience. Computer data entry skills necessary. Good organizational skills and attention to detail. Good interpersonal skills. Medium typing. Send cover letter and resume to Karen Raponi, Staffing Services, EHP, Ithaca, NY 14850.

**Catering Bar Manager (S0307)**  
**CU Catering**  
Inventory, pack, and store all catering liquor and bar equipment. Previous bartending experience required. Must be reliable and 21 years of age. 20-25 hours weekly. Please send cover letter, resume, and two references to Karen Raponi, Staffing Services, EHP, Ithaca, NY 14850.

**Data Entry Clerk (S0311)**  
**Vet College**  
Processing of reports, data entry. Medium typing. Medical terminology helpful. Part-time 15-20 hours weekly. Please send cover letter and resume to Karen Raponi, Staffing Services, EHP, Ithaca, NY 14850.

**Office Assistant (S0209)**  
**Summer Session**  
Serve as receptionist. Assist registrar in registration process. Word processing on IBM PC. Provide clerical assistance to other departments as needed. Until July 1990.  
**Requirements:** HS diploma or equivalent. Some office experience required. Familiarity with CU desirable. Ability to work with diverse public. Excellent interpersonal and communication skills essential. Experience with Wordperfect on IBM PC desirable. Able to set priorities and work independently under pressure. Medium typing. Send cover letter and resume to Karen Raponi, Staffing Services, EHP, Ithaca, NY 14850.

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.

**Custodian, SO02 (G0501)**  
**Residence Life-Endowed**  
**Hiring Rate: \$6.00**  
Provide general custodial care of buildings and grounds in assigned area. Monday-Thursday, 7:00 am-3:30 pm; Friday 7:00 am-2:30 pm  
**Requirements:** Basic reading and writing skills. Able to operate a variety of heavy power equipment, lift 50 lbs and climb an 8 foot ladder. Daily contact with students. Send employee transfer applications to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Lead Custodian, SO04 (G0502)**  
**Unions and Activities, RPU-Endowed**  
**Hiring Rate: \$6.58**  
Responsible for routine cleaning of assigned campus buildings; oversee work of 4-6 other custodians assigned to area. Monday-Friday, 7 am-3:30 pm  
**Requirements:** HS diploma or equivalent. Minimum 1 year experience in custodial maintenance. Excellent interpersonal skills and aptitude for organization. Able to operate a variety of heavy power equipment, lift 50 lbs and climb an 8 foot ladder. Regular CU employees only. Send employee transfer application to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Night Head Custodian, SO04 (G0407)**  
**Building Care-Statutory**  
**Hiring Rate: \$6.58**  
Participate in, direct, supervise and evaluate work of 7-10 custodians in assigned area (50% cleaning/50% supervision). Provide general custodial care of buildings and grounds in assigned area; ensure timely opening of assigned buildings; order and account for in-house supply inventories. Sunday-Wednesday, 11 pm-7:30 am; Thursday, 11 pm-6:30 am  
**Requirements:** HS diploma or equivalent. 2 years custodial experience required, supervisory experience preferred. Able to lift 50 lbs and climb 8 foot ladder. CU employees only. Send employee transfer application to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Bus Driver, SO06 (G9506)**  
**CU Transit-Endowed**  
**Hiring Rate: \$7.20**  
Drive bus on campus, TOMTRAN routes and charter trips. Check vehicle for proper operating condition; provide information and directions. Shift subject to change.  
**Requirements:** HS diploma or equivalent. NYS Class 2 driver's license required. Pre-employment physical and other Department of Motor Vehicles requirements. 3-6 months current bus driving experience. Good communication (oral) skills. Send cover letter and resume to Esther Smith, Staffing Serv-

ices, EHP, Ithaca, NY 14850. Women and minorities encouraged to apply.

**Fraternity Cook, SO06 (G0406)**  
**Residence Life-Endowed**  
**Hiring Rate: \$7.20**  
Clean, prepare and cook food for University-owned fraternity. Clean all food preparation areas, cooking areas and assist in keeping storerooms and refrigerators sanitary. Aid student steward in menu-planning and food purchases as needed. Must be able to work with little supervision and with student volunteers. Able to supervise student helpers preferred.  
**Requirements:** HS diploma. 1-2 years quantity experience. Ability to follow recipes accurately, operate standard food preparation and cooking equipment. Experience in large quantity preparation is essential. Some years experience as a cook. Good organizational skills. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

**Cook, SO08 (G0401)**  
**Dining-Endowed**  
**Hiring Rate: \$7.91**  
Prepare and present a full variety of foods including soups, sauces, casseroles, meats and vegetables through own efforts and through supervision of staff. Shift subject to change. 40 hours per week.  
**Requirements:** HS diploma or equivalent. 3-5 years experience in preparing full range of entrees; knowledge of food cooking processes (grilling, frying, roasting, steaming) in an institutional environment preferred. Working knowledge of use and maintenance of charbroilers, steam jacket kettles, pressure steamers, ovens, slicers, mixers, choppers and various hand tools. Supervisory skills desirable.

**Shift and Maintenance Mechanic, SO09 (G0111, G0112)**  
**Maintenance and Service Operations-Endowed**  
**Hiring Rate: \$8.29**  
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. Hours will vary according to shift duty.  
**Requirements:** HS diploma or equivalent. Knowledge of HVAC, utilities, controls, and other support systems in a high technology environment. 3 years experience in building trades and mechanical maintenance with boilers and burners. NYS driver's license required. Send cover letter and resume to Esther Smith, Staffing Services, EHP, Ithaca, NY 14850.

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

**Dairy Worker, SO04 (B0401)**  
**Animal Science-Statutory**  
**Hiring Rate: \$6.58**  
Under general supervision, milk cows in milk parlor, move cattle to and from milking center, milk and care for cattle in maternity area. Other duties as assigned. 5 days per week. 40 hours per week. 11-7:30 am, some weekends.  
**Requirements:** HS diploma or equivalent. Class 5 NYS driver's license. Minimum 3 years related experience, able to lift 500 lbs. Send cover letter and resume to Cynthia Smith-bower, Staffing Services, 160 Day Hall.

General Service Part-time

**Food Service Worker, SO01 (G0409)**  
**Dining-Endowed**  
**Hiring Rate: \$5.75**  
Set-up, display and serve food and/or beverage. Check Co-op dining cards for validity and make sale transactions by cash or credit card. Shift subject to change. 30 hours per week.  
**Requirements:** HS diploma or equivalent. Knowledge of food preparation and presentation preferred. Good customer relation skills. Basic reading and computation skills required.

General Service Temporary

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

**Custodian**  
**Building Care-Endowed/Statutory**  
**Temporary Rate: \$5.00**  
Continuous recruitment will be done in the department of Building Care for temporary custodians. Providing general custodial care of buildings and grounds in immediate vicinity of assigned area. Monday-Thursday 6:00am-2:30pm, Friday 6:00am-1:30pm. Periodically 2nd and 3rd shift hours are available.  
**Requirements:** Basic reading and writing skills. Able to operate a variety of heavy power equipment, lift 50 lbs and climb a 6 foot ladder. Contact Karen Raponi, Staffing Services, EHP, 255-2192 for an interview.

Academic

**Lecturer Field and International Study Program**  
**College of Human Ecology**  
Coordinate and instruct 2 field-based, experiential education courses. Supervise internships, instruct, develop placements, and coordinate community problem-solving and action research projects.  
**Requirements:** Earned doctorate or master's degree with considerable social science research experience and field-based undergraduate teaching required. Experience in internship programs, supervision, and community projects desirable. Three year, renewable, nine month appointment starting August 1, 1990. Send cover letter, CV and the names of 3 references by March 30, 1990 to Dwight E. Giles, Jr., Ph.D., Chair, Search Committee, Field and International Study Program, CU, 170 MVR Hall, Ithaca, NY 14853.

**Faculty Position**  
**Hotel Administration/Food and Beverage Management Area**  
Teach and administer courses in the food and beverage management area. Lecturer rank, non-tenure track position; salary negotiable. Nine month term affords the opportunity to conduct seminars and to consult during the summer. Starting date: July 1990.  
**Requirements:** MS or BS in hotel and restaurant administration. Extensive beverage industry experience, especially relating to wine and food matching, is required. Knowledge of beverage trade practices, wine making, and culinary skills desired. Minimum 3 years of work experience in the trade. Related food and beverage publishing is preferred. Send a letter of application, resume, and names and addresses of 3 references to Dr. Michael H. Redlin, Associate Dean for Academic Affairs, School of Hotel Administration, CU, Ithaca, NY 14853-6901.

Cornell Employment News

Published weekly except for one week each in January and November and two weeks in December by the Office of Equal Opportunity & the Office of Human Resources, Cornell University, 14853. Distributed free and available to staff and faculty at locations around the campus.

Mail subscriptions available US delivery third class mail at: \$9.00 for 3 months; \$15.00 for 6 months; or \$24.00 for 12 months. Make checks payable to: Staffing Services Subscription, 160 Day Hall, Cornell University, Ithaca, New York 14853.

**Editors:** Laurie Roberts, Carolyn McPherson  
**Page Layout:** Cheryl Seland, Cindy Fitzgerald  
**Photography:** Susan Boedicker, Media Services, Photo Services, Publications

**Telephone:** Office of Equal Opportunity (607) 255-3976

