

# CORNELL Chronicle

Volume 22 Number 21 February 14, 1991

3

Students Help Charities

8

What Do We Do Next?

## Vet College finds key to cell division

A twinkling light show from living cells, recorded on videotape, has revealed more evidence in the debate about which chemical signal makes cells "decide" to divide — exotic proteins or simple calcium ions. The video strongly supports the view that calcium is a key messenger in the process of mitosis, said the Cornell biologist who produced it.

The video of the new bioluminescence-imaging process consists of second-by-second microvideographic footage of calcium ions lighting up within dividing embryo cells, like a nighttime aerial view of a city with auto headlights coursing through the streets. Bioluminescence is the emission of light by molecules naturally found in living cells.

The researcher, Associate Professor of Physiology Robert B. Silver of the College of Veterinary Medicine, plans to show his video Feb. 16 at the annual meeting of the American Association for the Advancement of Science in Washington, D.C.

Scientists are exploring how messages within a cell control cell division, or mitosis, to better understand phenomena from the runaway cell division of cancer to the more predictable cell division in reproduction, growth and development. Mitosis is the process by which a cell divides to produce two new cells, each of whose nuclei has a complete set of genes.

Silver said that mitosis involves a remarkably complex set of communications among the parts of a cell: "We are finding that most — if not all — of the

*Continued on page 6*



Charles Harrington

Robert Silver with a sea urchin, one animal used in cell studies.

## Talks begin to refine traffic plan

Following four public meetings on the proposed transportation plan, talks began this week on revisions and refinements that may satisfy employee concerns and meet administration guidelines.

Dwight Widger, Cornell's employee trustee, sponsored the meetings with the employee and university assemblies; the Committee on Transportation Services (COTS) attended all the sessions.

Widger said that there was wide support for the idea of free bus service, but that there was also wide concern that the service would be inadequate, that employees would lose flexible options and that, for those who want to continue parking on campus, the parking-fee increases will be too great.

But, Widger said, if concerns raised at the four meetings are earnestly addressed, employees don't seem against the idea of a plan to reduce campus parking. "I think it's a matter of how we phase it in," he said.

Widger said he hoped COTS, a committee with broad employee representation, would come up with its own revised proposal, and COTS co-chairman John Lemley said the committee almost certainly would propose revisions after this week's discussions.

And the university faculty, at a Feb. 20 meeting, will consider a resolution that parking-fee increases not exceed in percentage the increases in salary pools for next year. That meeting begins at 4:30 p.m. in 120 Ives Hall.

The plan, proposed by the administration last November, seeks to reduce on-campus parking, largely through financial incentives. The nearly 10,000 parking spaces are short of current needs, despite the addition of 3,000 central-campus spaces during the 1980s, said William E. Wendt, director of Transportation Services. The shortage is growing at the same time that Cornell is

*Continued on page 2*

## From symposiums to a rap song, 'Black Athena' stirs debate

Unlike scholars who emphasize the originality of the ancient Greeks in politics, science and art, government Professor Martin Bernal believes the most interesting aspect of Greek culture is what it did with elements borrowed from other cultures.

"The city-state, which the Greeks are so famous for, was first developed in Phoenicia as early as 1000 B.C.," says Bernal, whose theories have roused controversy among classicists worldwide.

"Greek justice," he adds, "was heavily

influenced by the Egyptian scales of justice. And reason and mathematics were taught by the Egyptians and Phoenicians, even if Aristotle used them to say something new."

And the theory includes the arts: Greek sculpture was directly influenced by Egyptian sculpture, he says; the white fluted column, which has become almost the symbol of Greek rationality, comes from Egypt; and one reason for the richness of Greek poetry is that its varied vocabulary comes from many different sources.

Bernal would like to see textbooks rewritten and traditional Western-civilization courses taught differently to reflect the degree of cultural mixing he believes took place in the ancient world.

"I am opposed to the European way of teaching that Greece was essentially a European civilization that created itself. And I am opposed to traditional Western-civilization courses that give a few chapters to the Middle East but begin with Greece when they say, 'Here, this is where we begin; these are our origins,'" Bernal said. "I'm equally against the idea that nothing good came out of Egypt and Phoenicia. I believe their influence continued for a long time in archaic and classical Greece."

Bernal so far has published only the first of what are expected to be four volumes in a series titled "Black Athena: The Afroasiatic Roots of Classical Civilization." The first volume, subtitled "The Fabrication of

Ancient Greece 1785-1985," was published in England by Free Association Books and in this country by Rutgers University Press in 1987.

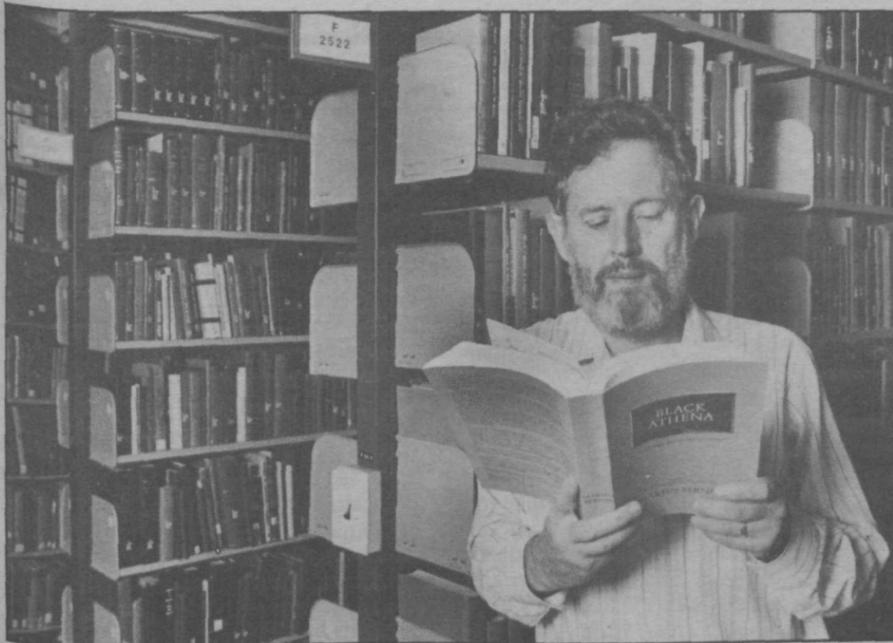
In the last four years it has generated controversy in the United States and in Europe as the subject of numerous scholarly symposiums and academic journals. In the wider world, it has also inspired a documentary film made for Britain's Channel 4 Television and a rap song by Kris Parker, known as KRS-One, of Boogie Down Productions.

Some of Bernal's peers have called "Black Athena" the most exciting and important book in the field of classics, and perhaps in all of the humanities, in the last 20 years. Others contend his work is fanciful, full of errors and without lasting value.

In "Black Athena," Bernal argues there is substantial evidence for Egyptian and Semitic roots of the Greek language and civilization and that this evidence is being ignored by classical scholars for political reasons. He portrays the Eastern Mediterranean of the second millennium B.C. as a lively and cosmopolitan world; and he proposes that sometime before 1700 B.C. people from the Near East established colonies there and engaged in extensive contact, trade and intermarriage with Greeks.

Egyptians brought to Greece names for some of the cities they established, the

*Continued on page 8*



Tim Moersh

Martin Bernal in Olin Library with a copy of 'Black Athena.'

## A joyful noise



Charles Harrington

These were among the 150 singers in gospel choirs from throughout New York state rehearsing for their Feb. 9 performance in the annual Festival of Black Gospel, this year under the direction of Alvin Freeland of the First Baptist Church of Brownsville in Brooklyn, N.Y.

## Traffic *continued from page 1*

committed to preserving central-campus green space, is effectively barred by municipal restraints from adding perimeter parking and faces a federal clean-air goal to reduce traffic by 25 percent by 1994.

The proposed plan involves:

- Offering free commuter bus passes to employees who surrender parking permits, while providing 20 free one-day parking passes a year in case of special needs.

- Promoting car pooling by paying \$200 a year to employees who turn in their permits to share driving.

- Working with municipalities to increase bus routes and develop park-and-ride locations. Cornell has recently added Chemung County Transit to the free-pass system, and it has started a service to help employees find car pools through the CU-INFO computer system.

About 800 people have so far signed up with OmniRide — the free-pass program.

At the campus hearings, as well as at meetings of the faculty and of the Board of Trustees, the most frequent concern expressed was that lower-paid employees often live far away and have the most trouble

finding car pools or commuting by bus; yet they are hardest hit by the loss of free parking.

Other concerns and suggestions were that faculty and others who keep irregular or late hours will find bus routes and schedules inconvenient and inadequate; that graduate students are not being offered free bus passes or payment for car pooling; that higher fees be set on a sliding scale, based on salary or pay grade; and that there might be a longer trial period in which employees could try free buses.

Senior Vice President James E. Morley Jr. has said that the plan's details are negotiable within the broad guidelines that Cornell must move toward reduction of parking demand and that revisions not increase the total subsidy already provided to parking and traffic.

"We are glad that talks have begun to define and resolve differences," Morley said this week.

"I greatly appreciate the help of the assemblies' leadership and the cooperation of COTS."

— Sam Segal

## BRIEFS

■ **Reaccreditation:** The Commission on Higher Education Middle States Association of Colleges and Schools is conducting a reaccreditation review of Cornell. John Wiesenfeld, vice president for planning, recently discussed the reaccreditation with the Executive Committee of the Faculty Council of Representatives. Copies of Cornell's draft self-study report to the commission are at the Olin Library reference desk, or are available from Wiesenfeld's office, telephone 255-3062. Topics examined by the draft report include the relationship of planning and budgeting to programmatic goals, the achievement of diversity and maintenance of institutional integrity, academic innovation, student services, facilities maintenance and the enhancement of organizational effectiveness. Comments on the draft report should be sent to Wiesenfeld's office, 433 Day Hall.

■ **Foul smell:** Baker Laboratory, Clark Hall and Olin Hall were evacuated Feb. 7 because of a foul smell resulting from a chemical spill on the third floor of Baker Lab. According to Cornell investigators, a flask broke while a graduate student was conducting an experiment, releasing about 100 milliliters of a chemical mixture onto the floor and into the fume hood. The sulfur-like odor was reported in the nearby buildings, which were evacuated as a precaution until Life Safety officers could determine the extent of the problem. The chemicals involved are routinely used in chemistry-lab experiments.

■ **Teens charged:** Three teen-agers have been charged in connection with the Feb. 10 armed robbery of a Cornell student. According to the Department of Public Safety, the three youths approached the student at about 2 a.m. as he walked across Triphammer Bridge on North Campus. The three took the student's wallet and fled the scene. The student used a nearby Blue Light emergency telephone to notify Public Safety, and the youths were apprehended near the Johnson Museum of Art. One of the youths had an unloaded handgun and ammunition in his possession when apprehended, according to Public Safety. The student's wallet was recovered, and he was not physically injured.

■ **Compost volunteers:** Volunteers are needed to be site managers for a composting demonstration project by Cornell Cooperative Extension of Tompkins County and the Tompkins County Solid Waste Management Division. Five home-composting sites will be developed to educate county residents about the methods and merits of recycling organic waste in their own back yards. Site managers will help build bins, develop and maintain the sites, and help conduct workshops. A meeting for those interested will be held Feb. 27 at 7:30 p.m. at Cornell Cooperative Extension, 615 Willow Ave. More information is available from Robin Tait at 272-2292.

■ **Baseball coach:** Thomas W. Ford, associate baseball coach at Ithaca College since 1981, has been named head baseball coach at Cornell. Ford replaces Bob Dyer.

## OBITUARY

Dr. Ellis P. Leonard, 86, professor emeritus of veterinary surgery, died Feb. 7.

An alumnus of the College of Veterinary Medicine, Leonard was a noted historian and practitioner who influenced veterinary medicine in the United States. Through his textbooks, "Fundamentals of Small Animal Surgery" (a leading text in the field that has been translated into five languages) and "Orthopedic Surgery of the Dog and Cat," Leonard is credited with introducing aseptic surgery techniques in veterinary medicine. He was one of the pioneers in developing various techniques for internal fixation of fractures in small animals and techniques in the treatment of spinal-cord injuries, and he was among the first to design and fit orthopedic carts to small animals with intervertebral disc problems.

Leonard was the author of two history books on the College of Veterinary Medicine, in addition to several monographs on leading members of the college's original faculty. He recently completed a history of the state's Veterinary Medical Society.

A graduate of Rutgers University, Leonard earned his D.V.M. degree from Cornell in 1934 then joined the faculty of the Small Animal Clinic at Kansas State University. Two years later he entered private practice in Summit, N.J. In 1948, he returned to Cornell to head the Small Animal Clinic. He retired in 1969.

He was responsible for many innovations in hospital design that have been adopted by veterinary medical facilities throughout the United States. The Small Animal Clinic's intensive care unit, built to Leonard's specifications, was the first in any U.S. veterinary medical establishment.

Leonard was a diplomate of the American College of Veterinary Surgeons, a distinguished member of the New York State Veterinary Medical Society and past-president of the Southern Tier Veterinary Medical Society. He was given the Mark L. Morris Award in 1963 by the American Animal Hospital Association. In 1986, he received the D.E. Salmon Award from the Alumni Association of the Vet College.

A memorial service will be held at a later date. The family requests that, in lieu of flowers, donations in Leonard's memory be made to the American Cancer Society or to the Roswell P. Flower Veterinary Library, College of Veterinary Medicine.

## Aman is named Indiana Law dean

Alfred C. Aman Jr., professor of law and director of the International Legal Studies Program in the Law School, has been named dean of the Indiana University School of Law.

His wife, Carole J. Greenhouse, an associate professor of anthropology here, also has accepted a professorship at Indiana.

Aman, who will assume his new responsibilities July 1, has been a professor at Cornell since 1977. His fields of study include administrative law, energy and natural-resources regulation, international environmental law and constitutional law.

## GRADUATE BULLETIN

■ **Income tax:** International students with fellowships from Cornell will receive their Form 1042S by March 15. You need to have this form before filing your federal and state tax returns.

■ **Seminars:** Dissertation and thesis seminars will be held in the Morison Seminar Room, Corson/Mudd Hall, from noon to 1 p.m., Tuesday, Feb. 19, for doctoral dissertations and Wednesday, Feb. 20, for master's theses.

■ **Degree requirement:** To receive a graduate degree, students must have their final undergraduate transcript on file with the Graduate School showing the conferral date of their undergraduate degree. If your graduate application was made before the conferral of your undergraduate degree, check with the Graduate Records Office, Sage Graduate Center, that your final undergraduate transcript is in your file.

■ **Summer support:** Applications for summer assistantships, fellowships or sum-

mer tuition awards are available at graduate field offices. All financial documents must be filed in the Graduate Fellowships and Financial Aid Office by March 1 to be eligible. Each field sets deadlines for completed applications; applications are submitted by fields to the Graduate Fellowship Office by March 18.

■ **Commencement:** Commencement is May 26. To receive a May degree, the deadline for completing all requirements is May 17. To have a diploma available for pickup following the commencement exercises and to have one's name appear in the commencement program, the thesis/dissertation must be submitted by mid-March.

■ **Grants:** Manon Michels Einaudi Summer Research Grants for European-based predissertation research in modern European art and architecture, art history, philosophy and culture are available. Applications are in 130 Uris Hall; deadline is March 1.

## CORNELL Chronicle

EDITOR: Mark Eyerly

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

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

## Students give tips to area charities

Students who operated a campus bistro last semester donated their \$3,389 in tips to help feed the poor and to assist unwed teenage mothers in caring for their children.

The 117 students from a class in the School of Hotel Administration were not supposed to accept gratuities for their work in the Terrace Cafe and Bistro, a student-managed dining spot in the Statler Hotel. But many diners at the five-nights-a-week bistro left unsolicited tips.

"We weren't expecting tips, because students don't usually get paid for going to class," explained Christopher Schallmo, 21, of Cheektowaga, N.Y., a senior in the school.

Featuring a different menu theme each evening, the bistro serves as a teaching laboratory for a required course in restaurant management. Students work alternately in the campus bistro as chefs, waiters, bartenders, hostesses and managers.

Jana Pompadur, 21, of Greenwich, Conn., also a senior, interested the students in donating part of their gratuities to the Teen Pregnancy Parenting Program of Tompkins County.

Officials at the parenting program used the \$1,084 they received from the students to help run support groups for pregnant and parenting teens and to buy Christmas gifts for children of teen-age mothers who attend support sessions.

"Some student groups use excess money that they collect for parties, but giving our tips to people less privileged than us seemed to be the only appropriate thing to do," said Vicki Butt, 21, of Chillicothe, Ohio, a junior.

Another \$1,228 was given to Loaves and Fishes, which serves dinners to underprivileged people in an Ithaca church; and \$1,077 to Weekend Meals, a program started by Hotel School students to serve



David Lynch-Benjamin

Hotel School junior Kathy Houggy was one of 117 students who donated their tips from the Terrace Cafe and Bistro to local charities.

dinners when Loaves and Fishes is closed.

The class that operates the bistro is taught by Christopher C. Muller, a lecturer in the School of Hotel Administration. A new group of students is running the bistro this semester.

The 117 students appointed four of their

members to allocate their tips to charity. In addition to Pompadur, Butt and Schallmo, the charity committee included Audrey Ross, who graduated in December and now is a manager in the Pumproom in Chicago's Ambassador East Hotel.

—Albert E. Kaff

## Scholars plan magazine of Korean lit

Two Korean-literature professors and a Korean novelist, working through a facsimile network at opposite ends of the United States, are putting together what they believe will be the first English-language journal of contemporary Korean literature.

Backed by a South Korean publisher, they expect to publish the first edition in January 1992, with prose, poetry and drama written by Koreans and Korean scholars in Europe, America and Asia.

David R. McCann, an associate professor of Korean literature here, reached back into ancient Korean history to find a name for the journal, Black Crane.

McCann, a poet and Black Crane's editor-in-chief, said he has long been fascinated by a Korean legend that three black cranes suddenly appeared when the inventor of the komun'go, also known as the black crane zither, first played the string instrument during the Koguryo Kingdom (37 B.C. to 668 A.D.).

Assisting McCann in the literary journal as editors are Marshall Pihl, a professor of Korean literature at the University of Hawaii, and Richard Kim, a Korean novelist who lives in western Massachusetts.

"Contemporary Korean writers are working not only in Korea but in a number of countries around the world, including the Soviet Union, writing in Russian; in the Chinese region of Manchuria; Japan; France; Australia; and the United States," McCann said.

The editors will select Korean works written in Korean and other languages and translate them into English for Black Crane.

Soo Kyung Kim, a Korean poet and novelist and director of Yeul Eum Publishing Co. of Seoul, will publish the magazine, and "she has agreed to support us for at least three years," McCann said.

—Albert E. Kaff

## Laura Pope: 65-year-old graduate student looks to next career

Williams Sims puzzled over Laura Pope's application. Why would a 63-year-old mother of four, a member of the bar in Connecticut and retired university professor wish to begin yet another career, this one in facilities management?

"We all wondered why on Earth she was coming back to school when she had higher degrees than the one she was coming in for," said Sims, chairman of the Department of Design and Environmental Analysis in the College of Human Ecology. "But I tried not to discourage her. It seemed she'd be able to do the work. I was just curious why she wanted to."

Serendipity is one reason. Kelly Services is another.

Pope had had an interest in buildings and architecture long before she became a lawyer and educator. As a girl



Charles Harrington

Laura Pope with an office model in the Department of Design and Environmental Analysis.

### CORNELL People

growing up on a sheep ranch in Colorado, she used to "stamp down the alfalfa fields" to mark the walls of imaginary houses until her father found out who was ruining his grass. And while she raised three sons and a daughter, she designed houses for amusement.

Two years ago, she was flipping through a magazine at her daughter's home in San Diego and found an article describing facilities management as one of the 25 hottest careers of the 1990s.

"I knew that was what I wanted to do, and that's as far as my research went. When something grabs you, you just follow it," Pope said.

The timing was right. Pope was struggling to find work, despite her degrees and work experience.

A graduate of Stanford University, she had been president of the Simsbury, Conn., Board of Education and director of the Connecticut School Boards Association. She then studied law at the University of Connecticut and worked for the Criminal Law Revision Commission of the Connecticut General Assembly, where she drafted bills ensuring education of the handicapped. She later moved to Boston, earned a Ph.D. at Harvard University's Graduate School of Education, and then taught legal aspects of education at the University of California at Los Angeles for eight years. Economic recession brought that program to an end.

"I thought it would be easy to move on. But just try getting a job when you're hitting 60," Pope said. "I was shocked that no one wanted to talk with me about a job, but unless you're extremely well-known, doors just don't open"

at that age, she said. She sent out resumes but left out the dates of her activities "because people would take one look at them and realize they weren't even born then."

Her only option was Kelly Services, the temporary job-placement service. As luck would have it, she ended up with an engineering job that strengthened her interest in energy and the environment.

In 1989, Pope enrolled in Cornell's two-year graduate program in Design and Environmental Analysis. She studies the interactions of manufacturers, businesses and the environment and the way, for instance, that four large corporations are complying with environmental regulations about toxic wastes, landfills, water resources and energy problems. Her degree program also includes environmental-law courses at the Law School.

"As a member of the bar, with experience in environmental and legal issues, she's in a special situation in getting into environmental regulations of facilities, which is a

hot area," Sims said of Pope's prospects of finding employment after graduation. "If she were just another graduate [at her age] it would be different."

While Pope counts on the breadth of her experience to convince employers of her value, she also plans to use personal contacts instead of impersonal resumes in her next round of job-hunting.

"Harvard catapulted a woman in her 40s into a job in teaching. I'm counting on Cornell to catapult me into my next career," she said. And even if no one hires her, Pope believes she made the right decision in enrolling in school.

"What else could I have done for the last two years on social security and student loans? All the effort has been worth it just for the joy of expending the effort. I don't always think about how something can lead to something else. I think about what I'm doing right now and let the future take care of itself."

—Carole Stone

# CALENDAR

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

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

Notices should also include the 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.

Balkan Dance Workshop for experienced dancers by Ed Abelson, 6:30 to 7:30 p.m.; Review of vintage workshop dances and requests, 7:30 to 10:30 p.m., Feb. 17, North Room, Willard Straight Hall.

Global Dancing, sponsored by Cornell Wellness Program, Feb. 19, 7:30 to 10 p.m., dance studio, Helen Newman. For information call 273-0707.

### Israeli Folkdancing

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

## EXHIBITS

### Johnson Art Museum

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

"Message to the Future," an exhibition of artwork by New York state artists concerned with environmental issues, is on display at the Johnson Museum of Art through March 17. The show features paintings and photographs created in response to the 1989 Exxon Valdez oil spill, a quilt protesting nuclear-waste dump sites in New York, a sculpture constructed entirely of garbage and a handmade animated film about geologic time. The show presents 70 works by 21 artists.

### Center for Jewish Living

"Art and Action," by Alex Singer '84, will be on display at the Gallery of Art, Center for Jewish Living, 106 West Avenue, through March 15. After graduating from Cornell, Singer moved to Israel and was drafted into the Israeli Army in 1985 and killed in 1987 in a battle in Lebanon.

### History of Science Collections

"Medicine, Botany, Art: A Selection of 16th-Century Herbals," on exhibit in the History of Science Collections reading room, features herbals by such major botanists as Hieronymus Bock, Otto Brunfels and Leonhart Fuchs, as well as Konrad Gesner's notes (in facsimile) for the great botanical work he never published. The exhibit, in 215 Olin Library, will run through February, Monday through Friday, 9:30 a.m. to 4:30 p.m.

### Olin Library

"Children's Literature: From England . . . to America," through March 15, Monday through Friday, 8 a.m. to 5 p.m. English and American illustrated books for children from the late 18th through the early 20th centuries.

### Tjaden Gallery

CCPA Grant Exhibition: photographs by Audra Glenn, through Feb. 16. Photographs by Elizabeth Fraiberg; sculpture by Duane Potter, Feb. 16 through Feb. 23. The gallery is open from 8 a.m. to 4:30 p.m.

### Willard Straight Hall Art Gallery

Photographs by Victor Englebert, sponsored by the Columbian Student Association, will be on exhibit through March 1.

## FILMS

Films listed below are sponsored by Cornell Cinema unless otherwise noted and are open to the public. All films are \$3.50 except weekend films (Friday and Saturday), which are \$4.50 (\$4 for students). All films are held in Willard Straight Theatre except where noted.

### Thursday, 2/14

"Marriage of the Blessed" (1989), directed by Mohsen Makhmalbaf, with Mahmud Bigham, Roya Nonahali and Ebrahim Abadi, 4:30 p.m., free.

"Pacific Heights" (1990), directed by John Schlesinger, with Michael Keaton, Matthew Modine and Melanie Griffith, 7:15 p.m.

"Le Plaisir" (1952), directed by Max Ophuls, with Simone Simon, Jean Gabin, Danielle Darrieux and Pierre Brasseur, free, 7:30 p.m., Uris.

"Star Wars" (1977), directed by George Lucas, with Mark Hamill, Harrison Ford and Carrie Fisher, 9:45 p.m.

### Friday, 2/15

"Listen Up" (1990), directed by Ellen Weissbrod, with Quincy Jones, Miles Davis and Flavor Flav, in celebration of Black History Month, 7:15 p.m., Uris.

"Pacific Heights," 7:30 p.m.

"Landscape in the Mist" (1988), directed by Theo Angelopoulos, with Michalis Zeke and Iania Palaiologou, 9:50 p.m., Uris

"The Empire Strikes Back" (1980), directed by Irvin Kershner, with Mark Hamill, Harrison Ford and Carrie Fisher, 10 p.m.

### Saturday, 2/16

"Hamraaz" (Sunil Dutt, Mumtaaz), sponsored by Cornell India Association and South Asia Program, Media Room, Uris Library, 1:30 p.m.

"It's Raining Cats and Dogs," including seven short films about cats and dogs, recommended for ages 4 and up, part of the IthaKid Film Fest, co-sponsored by the Ithaca Youth Bureau, 2 p.m.

"Adam's Rib" (1949), directed by George Cukor, with Katharine Hepburn and Spencer Tracy, 6:45 p.m.

"Landscape in the Mist," 7:15 p.m., Uris.

"Return of the Jedi" (1983), directed by Richard Marquand, with Mark Hamill, Harrison Ford and Carrie Fisher, 9:05 p.m.

"Listen Up," 10 p.m., Uris.

"Pacific Heights," midnight.

### Sunday, 2/17

"Naked Spaces: Living is Round" (1985), directed by Trinh Minh-ha, co-sponsored by CCPA, 2 p.m., free, Johnson Museum.

"Star Wars," 4 p.m.

"The Empire Strikes Back," 7 p.m.

"Return of the Jedi," 9:45 p.m.

### Monday, 2/18

"Water, Wind and Dust" (1985), directed by Amir Naderi, with Majid Nirumand, 4:30 p.m., free.

"Landscape in the Mist," 6:40 p.m.

"Teorema" (1968), directed by Pier Paolo Pasolini, with Terence Stamp, Silvana Mangano and Massimo Girotti, 9:30 p.m.

### Tuesday, 2/19

"In No One's Shadow: Filipinos in America" and "Sugar Cane," sponsored by the Southeast Asia Film Series, 4:30 p.m., Room B, Uris Library.

"H-2 Worker" (1990), directed by Stephanie Black, co-sponsored by UAW Local 2300, 7:30 p.m.

"Pink Floyd The Wall" (1982), directed by Alan Parker, with Bob Geldof and Bob Hoskins, 9:30 p.m.

### Wednesday, 2/20

"Himiko" (1974), directed by Masahiro Shinoda, with Masao Kusakari and Rentaro Mikuni, Japanese Film Series, co-sponsored by East Asia Program, free, 4:30 p.m., Uris.

"Swimming to Cambodia" (1987), directed by Jonathan Demme, with Spalding Gray, Sam Waterston and Ira Wheeler, 7:15 p.m.

"Jacob's Ladder" (1990), directed by Adrian Lyne, with Tim Robbins and Elizabeth Pena, 9:30 p.m.

### Thursday, 2/21

"Maybe Some Other Time" (1988), directed by Behram Beizai, with Sussan Taslimi and Dariush Farhang, free, 4:30 p.m.

"The African Queen" (1951), directed by John Huston, with Humphrey Bogart, Katharine Hepburn and Robert Morley, 7:15 p.m.

"The Man From Laramie" (1955), directed by Anthony Mann, with Jimmy Stewart and Arthur Kennedy, free, 7:30 p.m., Uris.

"Jacob's Ladder," 9:45 p.m.

## LECTURES

### Classics

"Cato and Hellenism," Erich S. Gruen, University of California, Berkeley, Feb. 19, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall. This is the second of the seven Townsend Lectures on "Culture and National Identity in Mid-Republican Rome."

### Cognitive Studies Program

"Visual Object Recognition," Shimon Ullman, Massachusetts Institute of Technology, Feb. 14, 4:30 p.m., B17 Upson Hall.

### Cornell Research Club

"Why Does DNA Evolve," Charles Aquadro, genetics and development, Feb. 21, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

### Hillel

"Passing: A Reading on Jewish Women's Identity," Bonnie Morris, Feb. 14, 7 p.m., Commons Coffeehouse, Anabel Taylor Hall.

### International Development & Women

"Macro-Economic Policy Issues and the Informal Sector: What Have We Learned?" Gita Sen, Feb. 21, 4:30 p.m., 102 West Sibley Hall.

### Muslim Educational & Cultural Association

"The Middle East after the War," Shibley Telhami, government, co-sponsored by Cornell United Religious Work, Feb. 18, 4:30 p.m., Auditorium, Anabel Taylor Hall.

### Near Eastern Studies

"Literary Notes on a Tale from the 1001 Nights: The City of Brass," David Pinault, Colgate University, co-sponsored by Comparative Muslim Societies, Feb. 21, noon, 374 Rockefeller Hall.

### Soviet & East European Studies Program

Colloquium in linguistics, title to be announced, Vyacheslav Ivanov, Moscow State University, Feb. 19, 4:30 p.m., 106 Morrill Hall.

"My Work as a Member of the Peoples' Deputies of the USSR," Vyacheslav Ivanov, Moscow State University, Feb. 20, 12:15 p.m., G-08 Uris Hall.

### University Lecture

"The Semiotic View of Comparative Literature," Vyacheslav Ivanov, Moscow State University and Congress of the Peoples' Deputies of the U.S.S.R., Feb. 18, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

## MUSIC

### Department of Music

Gregory Davis, who has performed in the United States, Britain and South America, will give a piano recital of music by Prokofiev today at 8:15 p.m. in Barnes Hall. Featured works in this free concert are the Sonata No. 3 in A Minor, op. 28; Visions Fugitives, op. 22; Three Pieces, op. 59; Toccata, op. 11; and Sonata No. 8 in B-flat Major, op. 84.

The Wjagra Woodwind Quintet has performed throughout the United States, including a highly acclaimed Carnegie Hall debut. Its Ithaca debut will be Tuesday, Feb. 19, from 4:30 to 5:45 p.m. in Barnes Hall. Works to be performed at this free concert are by composers Dvorak, Berio, Fine, Wilder and Barrows.

A clarinet-piano duo recital will be performed by French clarinetist Michel Lethiec and pianist Johnathan Shames on Wednesday, Feb. 20, at 8:15 p.m. in Barnes Hall. The free program will include Schumann's Fantasiestucke, Brahms' Sonata No. 1 in F Minor, Poulenc's Sonata and Debussy's Premiere Rhapsody. Lethiec has toured all over the world and was guest artist with St.-Martin-in-the-Fields, English Chamber Orchestra, Talich, Vermeer, Takacs, Sibelius Quartets and many others.

### Cornell Folk Song Club

Wendy Grossman will present a folk music concert Feb. 16 at 8 p.m. at The Henry Coffeehouse, in Sage Hall. Grossman, a former Ithacan now living in the British Isles, will return to perform a repertoire of infrequently heard traditional and contemporary tunes. The concert is co-sponsored by the Professional Student Center and is free.

### Bound for Glory

The North Fork Alliance, a bluegrass band, will perform in three live sets Feb. 17 at 8:30, 9:30 and 10:30 p.m. in the Commons Coffeehouse in Anabel Taylor Hall. Bound for Glory can be heard Sundays from 8 to 11 p.m. on WVBR-FM, 93.5.

## RELIGION

### Sage Chapel

Richard Mouw, provost, Fuller Theological Seminary, Pasadena, Calif., will deliver a sermon Feb. 17. Service begins at 11 a.m. Music will be provided by the Sage Chapel choir under the direction of Donald R. Paterson. Sage is a non-sectarian chapel that fosters dialogue among the major faith traditions.

### Baha'i

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

### Catholic

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

### Christian Science

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

### Episcopal (Anglican)

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

### Friends (Quakers)

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

### Jewish

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

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

### Korean Church

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

### Muslim

Friday Prayers, 1 p.m., Edwards Room, Anabel Taylor Hall; Friday discussion dinner, 7:30 p.m., 218 Anabel Taylor Hall; Sunday Qur'an Study, 12:30 p.m., 218 Anabel Taylor Hall; Ramadhan prayers and fast-breaking begins around March 14; MECA office, 218 Anabel Taylor Hall, provides information, a library, halal meat and other services for all. For information, call Minhaj Anastu, 253-6848.

### Protestant Cooperative Ministry

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

### Seventh-Day Adventist

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

### Zen Buddhism

Zazen practice Tuesdays 6:45 p.m. and Thursdays 4:30 p.m. in Anabel Taylor Chapel. For more information or to arrange beginner instruction, call Jon Warland at 272-0235.

## SEMINARS

### Anthropology

"Dual Concepts in Andean Kinship," Bernard Lambert and Michael Thomas, anthropology, Feb. 15, 3:30 p.m., 303 McGraw Hall.

### Applied Mathematics

"Condition Numbers: Numerical Analysis, Logic and Semi Algebraic Geometry," James Renegar, operations research & industrial engineering, Feb. 15, 4 p.m., 322 Sage Hall.

"The Dynamics of Pattern Formation in the Kahn-Hillard Equation," Chris Grant, University of Utah, Feb. 20, 12:20 p.m., 421 Sage Hall.

### Biochemistry, Molecular & Cell Biology

"p44 MPK: A Paradigm of a Family of Mitogen-Regulated, Tyrosine-Phosphorylated, Protein-Serine Kinases Implicated in Cell Cycle Control," Steve Pelech, University of British Columbia, Feb. 15, 4 p.m., Large Conference Room, Biotechnology Building.

"Expression and Subcellular Localization of Avian Retroviral Gag Proteins in Avian and

**Mammalian Cells,** Laurel Southard, biochemistry, molecular and cell biology, Feb. 18, 12:20 p.m., Small Seminar Room, Biotechnology Building.

**Biophysics**  
 "Regulation and Plasticity of Synaptic Transmission," Don Faber, SUNY Buffalo, Feb. 20, 4:30 p.m., 700 Clark Hall.

**Biotechnology Program**  
 "Potential Opportunities for University-Industry Collaboration," Jeffrey K. Saelens, New York State Science & Technology Foundation, Feb. 20, 3 p.m., G01 Biotechnology Building.

**Boyce Thompson Institute**  
 "Genetic Control of Floral Development in Arabidopsis," Vivian Irish, Yale University, Feb. 18, 3 p.m., auditorium, Boyce Thompson Institute.

**Ceramics Program**  
 "Ceramics Afternoon," the sixth event of the seminar series co-sponsored by the Department of Materials Science and Engineering and the Materials Science Center, will be held Friday, Feb. 15, in B-11 Kimball Hall. The theme is "Pre-ceramic Polymers." "Recent Approaches of Pre-ceramic Polymers — An Overview," Chris Ober, materials science and engineering, 2:20 p.m.; "Ceramics: New Hybrid Organic-Inorganic Network Materials Prepared by the Sol-Gel Process," Garth Wilkes, Virginia Polytechnic Institute and State University, 2:55 p.m.; "Progress in Pre-ceramic Polymers, A Commercial Perspective," Curt Schilling Jr., Union Carbide Chemicals, 4 p.m.; "Organoelement Polymer Precursors for Glass-Ceramic Composites," Hogan Martin, materials science and engineering, 4:55 p.m.

**Chemical Engineering**  
 "Quantitative Isotopic Transient Analysis of Ethylene Epoxidation Over Silver," W. Nicholas Delgass, Purdue University, Feb. 19, 4:15 p.m., 245 Olin Hall.

**Chemistry**  
 "Correlations Without Coincidence Measurements: Deciding Between Stepwise and Concerted Dissociation Mechanisms," Paul Houston, chemistry, Feb. 14, 4:40 p.m., 119 Baker Laboratory.  
 "Chemical Reagents for Molecular Biology," George Tranor, DuPont, Feb. 18, 4:40 p.m., 119 Baker Laboratory.  
 "Intramolecular Energy Flow in Chemically Reactive Molecules," Tom Rizzo, University of Rochester, Feb. 21, 4:40 p.m., 119 Baker Laboratory.

**COMEPP**  
 "Globalization," Jack Bradt, SI Handing Systems, Feb. 14, 4:30 p.m., B-14 Hollister Hall.  
 "The Implementation of a CIM Approach to Manufacturing X-ray Film Through Modern Project Management Techniques," Bob Cushman, Eastman Kodak, Feb. 21, 4:30 p.m., B-14 Hollister Hall.

**Ecology & Systematics**  
 "The Evolution of Floral Traits: Insights from an Alpine Wildflower, *Polemonium viscosum*," Candace E. Galen, University of Missouri, Columbia, Feb. 20, 4:30 p.m., A106 Corson Hall.

**Education Society**  
 "Is Multicultural Education Workable?" Carol Cornelius, American Indian Program; Robert Navaro, principal, Belle Sherman School; James Turner, Africana Studies; Claudia Weisburd, ESL teacher; and Nimat Hafez Barazangi, moderator and visiting professor in education department, Feb. 19 & 26, 12:20 p.m., 101 Kennedy Hall.

**Epidemiology**  
 "Biomarkers of Human Occupational Exposures to Toxicants," Don Lisk, toxic chemicals lab, and Jan Scarlett, veterinary medicine, Feb. 15, 12:20 p.m., 141 Plant Science Building.

**Floriculture & Ornamental Horticulture**  
 "Turf Management in the United Kingdom," Eddie Connaughton, turfgrass consultant in Scotland and Ireland, Feb. 14, 12:15 p.m., 404 Plant Science Building.  
 "Form, Pattern & Meaning in the Landscapes of Greene & Greene," Tobias Wolf, Feb. 21, 12:15 p.m., 404 Plant Sciences.

**Food Science & Technology**  
 "Risk Management and Communication: There Is More Than Technical Data Involved," June Fessenden MacDonald, biochemistry, molecular and cell biology, Feb. 19, 4:30 p.m., 204 Stocking Hall.

**Genetics & Development**  
 "Signal Transduction and Cell-Cell Interaction in *Drosophila* Embryos," Dr. Norbert Per-

rimon, Harvard Medical, Feb. 18, 4 p.m., Conference Room, Biotechnology Building.

**International Studies in Planning**  
 "After the Cold War: A New Regionalism in World Politics?" Peter Katzenstein, government, Feb. 15, 12:15 p.m., 115 Tjaden Hall.

**Jugatae**  
 "Complex Interactions between Dragonfly Larvae: Interference, Competition and Intraguild Predation," Scott Wissinger, Allegheny College, Feb. 14, 4 p.m., Morison Room, Corson/Mudd Hall.

**Mechanical & Aerospace Engineering**  
 "Dynamic Walking: Programming, Control and Simulation," Dinesh K. Pai, computer science, Feb. 19, 4:30 p.m., 107 Upson Hall.

**Neurobiology & Behavior**  
 "The Postembryonic Development of the Insect Nervous System," Ron Booker, neurobiology and behavior, Feb. 14, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

**Ornithology**  
 "Elephant Communication: 1990 Expedition to Zimbabwe," Bill Langbauer and Katy Payne, ornithology, Feb. 18, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

**Physiology & Anatomy**  
 Title to be announced, Randy Hudson, University of Illinois, Feb. 19, 4:15 p.m., G-3 Vet Research Tower.

**Plant Biology**  
 "Sites of Synthesis and Accumulation in Metabolism of Aromatic Compounds," Geza Hrazdina, Geneva Agricultural Experiment Station, Feb. 15, 11:15 a.m., 404 Plant Science Building.

**Plant Pathology**  
 "Biochemistry and Plant Disease Control," Wolfram Koeller, Feb. 19, 4:30 p.m., 404 Plant Science Building.  
 "Stereoisomerism in Plant Disease Resistance," Geza Hrazdina, Geneva Agricultural Experiment Station, Feb. 20, 3 p.m., 133 Barton Laboratory, Geneva.

**Psychology**  
 "Image Partitioning and 3-D Object Recognition," Shimon Ullman, Massachusetts Institute of Technology, Feb. 15, 3:30 p.m., 202 Uris Hall.

**South Asia Program**  
 "Performance - Practice in the Music of India," Tom Ross, visiting fellow, Society for the Humanities, Feb. 20, 12:15 p.m., 153 Uris Hall.

**Southeast Asia Program**  
 "Current Issues in Indonesian Literature," Budi Darma, Indiana University, Feb. 14, 12:20 p.m., 102 West Ave. Extension.  
 "Language and Society in the Case of Singapore," Anne Pakir, National University of Singapore, Feb. 21, 12:20 p.m., 102 West Ave. Extension.

**Statistics**  
 Title to be announced, Sam Efromovitch, visiting from Russia and Connecticut State University, Feb. 19, 1:20 p.m., 310 White Hall.  
 "Two Out of Three Characterization on Distributions, or, Random Arithmetic," John Bunge, industrial and labor relations, Feb. 20, 1:20 p.m., 310 White Hall.

**Textiles & Apparel**  
 "Optical Wave Guides," Bob Modavis, Corning Inc., Feb. 14, 12:20 p.m., 317 Van Rensselaer Hall.  
 "The Application of Statistical Methods to Yam and Fabric Strength," Peter Schwartz, textiles and apparel, Feb. 21, 12:20 p.m., 317 Van Rensselaer Hall.

**Toxicology**  
 "Glutathione-Dependent Toxicity of Xenobiotics," Dr. M.W. Anders, University of Rochester Medical Center, Feb. 15, 12:20 p.m., 14 Fernow Hall.

**Western Societies Program**  
 "The Resurgence of the Local Union: Industrial Structuring and Industrial Relations in Italy," Richard Locke, Massachusetts Institute of Technology, co-sponsored by industrial and labor relations, Feb. 18, 4 p.m., 118 Ives Hall.

## SPORTS

Home contests only

**Friday, 2/15**  
 Wrestling, Pennsylvania and Lycoming, 4 p.m.



Patricia Reynolds  
 Sarah Richardson and Tony Freeman perform in the Department of Theatre Arts' production of "Vinegar Tom," now playing at the Center for Theatre Arts. Check Theater listing for dates and times.

Women's Basketball, Dartmouth, 7:30 p.m.  
 Men's Polo, Connecticut, 7:30 p.m.

**Saturday, 2/16**  
 Men's Track, Kane Invitational  
 Women's Track, Kane Invitational  
 Men's Swimming, Dartmouth, noon  
 Wrestling, Princeton, noon  
 Women's Hockey, Brown, 1 p.m.  
 Wrestling, Rutgers, 2 p.m.  
 Women's Swimming, Dartmouth, 3:30 p.m.  
 Wrestling, Buffalo, 4 p.m.  
 Men's JV Hockey, Long Island Jr. Royals, 6 p.m.  
 Women's Basketball, Harvard, 7:30 p.m.  
 Women's Polo, Connecticut, 8:15 p.m.  
**Sunday, 2/17**  
 Men's JV, Long Island Jr. Royals, 10 a.m.  
 Women's Gymnastics, Northeastern, 1 p.m.  
 Women's Hockey, Yale, 1 p.m.

**Wednesday-Sunday, 2/20-2/24**  
 Men's Polo, Eastern Regional Championships  
 Women's Polo, Eastern Regional Championships

## SYMPOSIA

**Romance Studies**  
 "Discourse & Community," Entralagos Spring 1991 Conference, co-sponsored by Department of Anthropology, Women's Studies Program, Western Societies Program, Society for the Humanities, Latin American Studies Program and SAGFC. All sessions will take place in the A.D. White House. Session 1, Feb. 15, 2:30 to 6:30 p.m.; Sessions 2, 3, 4, Feb. 16, 9 a.m. to 6 p.m. For schedule and more information call 255-4086.

**Western Societies Program**  
 Privatization and the Transformation of European Culture Workshop. Speakers include Stephen Milnor, SUNY-Binghamton, "Policy without Community: Privatization in the Anglo-American Democracies"; Hilary Silver, Brown University, "Welfare States and Civil Societies: Privatizing Public Housing in Britain, the Netherlands and the United States"; and David Stark, "Privatization in Hungary: from Plan to Market or from Plan to Clan?" Co-sponsored with the International Studies Program of SUNY-Cortland. Feb. 23, 1 p.m., G-08 Uris Hall.

## THEATER

**Department of Theatre Arts**  
 The Department of Theatre Arts will present Caryl Churchill's play, "Vinegar Tom," Feb. 14 and 15 at 8 p.m. and Feb. 16 at 5 and 9 p.m. in the Class of '56 Flexible Theatre at the Center for Theatre Arts. The production is directed by visiting artist Penny Metropoulos.

## MISC.

**Activities related to Gulf war**  
 A crisis-support group for students will meet Wednesdays from 3:30 to 5 p.m. Call 255-5208 for further information and to join.

**Cornell Garden Plot Committee**  
 A meeting will be held for anyone interested in working on the garden plot committee, Feb. 21, 7 p.m., in 114 Ives Hall.

**Cornell Europa Club**  
 "Have a taste of Europe," Everybody's welcome to our breakfast-discussion. Join us Feb. 16, 11 a.m. to 1 p.m. in North Room, Willard Straight Hall.

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

**CUSLAR**  
 The Committee on U.S.-Latin American Relations will hold a business meeting and discuss recent events in Latin America, Mondays, 5:15 p.m., Commons Coffeehouse, Anabel Taylor Hall. For more information, call 255-7293.

**Dalai Lama Visit**  
 Workshop and discussion on the philosophy of the Dalai Lama and Tibetan Buddhism will be held on Feb. 18 at 4 p.m. in 314 Anabel Taylor Hall. Co-sponsored by CRESA and the Asian Studies Program, this is the second in a series of discussions in preparation for the upcoming visit of the Dalai Lama March 25 to 27.

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

**Plantations Workshop**  
 Register now for winter programs: Culinary Herbs, Feb. 28; Everything You Need to Know About Soil, March 6; and Garden "Bones," March 7. Call 255-3020 for a free brochure and registration information.

**Tae Kwon Do**  
 Self-defense open to beginners of all ages. Women are strongly encouraged. Classes will be held Sundays, 7 to 8 p.m.; Monday through Thursday, 6 to 7 p.m. For more information, call Sandy at 255-7923 or 272-5766.

**Transcendental Meditation Club**  
 Learn how to gain better health and increased learning ability; 7:30 p.m., Feb. 5, 112 Ives Hall and 7:30 p.m., Feb. 6, 118 Ives Hall. For further information call 272-2646.

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

## Cornell-IBM team forms new liquid-crystal materials

Materials scientists from Cornell and IBM Corp. are experimenting with a new class of polymers, whose molecules are oriented under intense magnetic fields, that could solve a central problem in microelectronics — the expansion and contraction under changing temperatures of circuit boards that hold delicate silicon computer chips.

Engineers seeking to progressively shrink the size of microelectronic devices are becoming increasingly bedeviled by thermal stresses associated with electronic packaging. These stresses can damage computer chips and disrupt circuits. Electronic packaging is the structures that support and electrically interconnect microchips in electronics.

The scientists also theorize that the new class of polymers — called "liquid crystalline epoxy networks" — could be engineered as components of optoelectronic devices and computers based on light waves instead of electrical impulses.

Reporting their progress in upcoming scientific papers are Christopher Ober, an assistant professor of materials science, and George Barclay, a postdoctoral associate. Their colleagues at IBM are Kosta Papatomas and David Wang of the company's Systems Technology Division of Endicott, N.Y.

Cornell and IBM have applied for a patent on the new materials. The next publication of their work will come this summer in "Electronic Packaging Materials Science V," a volume of the proceedings of a Materials Research Society symposium.

The Cornell-IBM team has discovered that when it chemically forms certain liquid-crystal polymer networks by heating the individual molecules under intense magnetic fields, the long polymers tend to align themselves in the magnetic field, producing a more ordered network that has unique physical properties.

Most importantly, for example, materials formed in such a way expand or contract very little with temperature, and they are extremely stable at high temperatures.

Liquid crystals are organic materials that, when melted, assume a structure that is between a liquid, with its randomly ordered molecules, and an ordered, crystalline solid. Such liquid crystals flow like liquids, but still retain some of the ordered molecular structure of crystalline solids.

Liquid crystals are widely used in portable computer screens and wristwatches, in which electric currents cause the liquid-

crystal molecules to convert from one form to another. The optical differences between the forms are the basis of images on the screen or watch face.

Many liquid crystals developed by scientists are the long chains of atoms called polymers. Furthermore, scientists have created liquid-crystal polymer networks, in which the long chains are chemically cross-linked to form complex netlike molecular assemblages.

Ober and his colleagues have reported experiments with crosslinked liquid-crystal materials called epoxy compounds that have achieved extremely high thermal stability. These compounds are similar to widely used epoxy resins found in the extremely tough adhesives used in home and industry.

"We now have an opportunity with such networks to develop a whole new class of materials with unusual and useful properties," Ober said.

He added, for example, that such compounds could be developed as waveguides, tiny fibers that transmit light on computer chips that utilize light waves instead of electrical impulses. Improved liquid crystal "thermosets" — compounds that harden when heated — could also become the basis for superfast optical computers that could outstrip current computers in performance.

Electronic packaging is fundamental to all microelectronics, comprising a significant percentage of the cost of a large computer. For the computer to work, each tiny microchip in it must be protectively nestled on a plastic, composite or ceramic chip carrier — a carefully engineered holder for the chip. This carrier contains hundreds of tiny metal interconnects that feed power to the chip and transfer data in and out. The carrier also must remove chip-killing heat, and the interconnects must withstand the strains of thousands of cycles of thermal expansion and contraction.

The hierarchy of electronic packaging also includes the computer card that holds the interconnected array of chip carriers. These cards, in turn, are plugged into a larger board that interconnects them.

The Cornell-IBM work was sponsored by the National Science Foundation, IBM and the Petroleum Research Fund of the American Chemical Society. The scientists used facilities of the Cornell Materials Science Center and the Francis Bitter National Magnet Laboratory of M.I.T.

—Dennis Meredith

## Double take



Department of Manuscripts and University Archives



David Lynch-Benjamin

Louie's Lunch on Thurston Avenue was a favorite stopping place in 1943 (top photo). Today (bottom photo), the truck and the menu are larger, but the attraction is just the same.

## Cell division *continued from page 1*

known means of signal transduction are involved in mitosis," Silver said. "We also are showing that calcium regulation is critical, that it has to happen for other processes — including DNA synthesis — to take place."

The myriad of "twinkles" seen in the video, due to calcium's action in the dividing cell, has convinced Silver that the substance is a key player in the mitotic process.

However, many other chemicals, besides calcium, are believed to be involved in

intracellular signaling, said Silver. These include inositol phosphatase, arachidonate metabolites, lipid metabolites, protein kinases and phosphatases, and proteases.

To produce his video, Silver injected a bioluminescent protein called aequorin, derived from jellyfish, into living cells of sea urchins and sand dollars. The bioluminescent protein attaches to the cell's calcium machinery, signaling with light emissions when and wherever calcium ions are active in a dividing cell. The resulting photons of

light are detected by a low-light video camera attached to a microscope.

By analyzing the glimmerings of calcium activity, Silver can track the movement of calcium messages and correlate them with key events in cell division. For example, the photon imaging shows a ring of calcium activity around the nucleus shortly before the chromosomes are segregated in dividing cells.

While Silver acknowledges that the new evidence probably won't resolve the cell-signaling debate, it does quite literally shed new light on the process.

To the biologist, whose interests include light- and electron-microscopy, music and advanced computing, a living cell behaves like a cross between a symphony orchestra and a parallel-processing computer. The stages of mitosis that students learn — interphase, prophase and nuclear envelope breakdown, metaphase, anaphase, telophase and back to interphase — are not stopping points, Silver said. Rather, the stages are identifiable parts of a continuum, with control based on parallel processing, he said.

"The mitosis system is looking more and more like a conductor's score," Silver said. "We are seeing a series of parallel lines of music. Each instrument has its own score, and the conductor coordinates the interaction of different sections of the orchestra."

"If the harmonies work, we find the music very pleasant, and we remember it," Silver said. "It holds our attention because there is intrinsic structure. Without the conductor's direction and without the players' checking with each other to make sure they are in synch, the music destructs, it goes nowhere; the orchestra cannot complete one

movement — one cell cycle, if you like — and progress to the next."

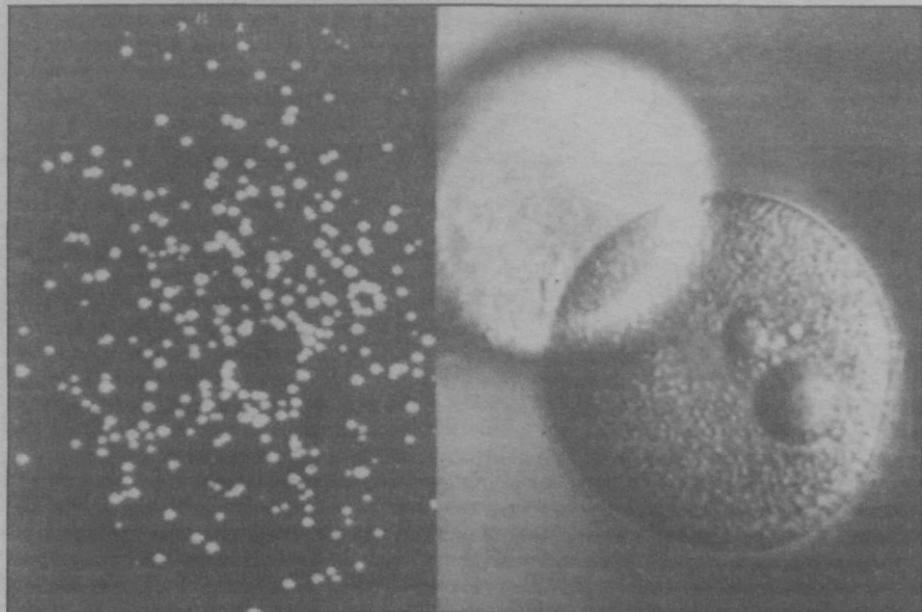
Silver said his work, with Shinya Inoue and Osamu Shimomura at the Woods Hole, Mass., Marine Biological Laboratory, is leading to a three-dimensional, supercomputerized imaging system that can detect the "conductor's downbeat" and follow each "instrument" in the cellular "orchestra" as mitotic-control signals travel in parallel throughout the cell.

Someday, Silver hopes to create a three-dimensional supercomputer "virtual reality" image of a living cell that scientists can move through as did the characters in the movie "Fantastic Voyage." In that movie, the characters were miniaturized to travel through a living body.

Most of Silver's cell-signaling studies are conducted with embryos of sea urchins and sand dollars, in part because the embryos of those organisms display a particularly high degree of mitotic synchrony during the first four cell divisions. In other words, all cells of each two-, four-, eight- and 16-celled embryo go through the same stages of mitosis and cell division together — as if some internal biological clock were regulating them.

Also, the sea urchins and sand dollars are suitable models for cell signaling in higher animals because the molecular constituents of the mitotic apparatus are basic to all living cells and have been conserved throughout evolution. For example, the calcium pump, which has been shown to be essential for mitosis, is present and conserved in sand dollars, sea urchins, plants and humans.

—Roger Segelken



Robert B. Silver

Two views of a two-celled sand-dollar embryo: A photon-emission image, left, and a differential-interference-contrast light micrograph during cell division.

## Controller Ostrom to retire after a 14-year tenure

John S. Ostrom, who has been Cornell's controller since 1977 and an active alumnus since 1951, will retire in October to pursue a few of his many pleasures, including visiting his 10 grandchildren.

He'll also be able to lavish some time on the outside activities that he has till now had to squeeze into the schedule of Cornell's chief accounting officer.

Among his responsibilities have been the university's financial records, billing and payroll systems, dealings with outside auditors and internal financial controls. He spent four years as director of Cornell's financial systems before becoming controller.

Beyond Ithaca, Ostrom has been active in the National Association of College and University Business Officers, for which he inaugurated a round-table that reviews current issues of major universities. Last year, he won the association's KMPG Peat Mar-

Services; he has held several positions with the First Presbyterian Church of Ithaca and is now its treasurer; he has held offices for his Class of '51 and the Association of Class Officers; and, most endearing to some of Cornell's sports freaks, he is a much-admired off-ice minor official — that's a title — at all home hockey games.

"Anyone who knows Jack also knows we'll still see a lot of him around Ithaca and the campus," said Fred Rogers, vice president for finance and treasurer. "But, professionally, there's no doubt we'll miss him. He has been a strong member of the administration and has been an innovator and organizer nationally for many years. I have enjoyed working with Jack through our professional contacts and am sorry we will not be working together longer now that we are both at Cornell."

Rogers said that Ostrom has improved and simplified the way Cornell assigns costs internally and explains its finances externally, and has had a longstanding commitment to training and professional development of the administrative staff.

Ostrom, a government major who became a certified public accountant, says he has an abiding affection for numbers, "and I love to bring some understanding of complex fiscal issues to non-financial people."

He says he's enjoyed his work doubly because "all accountants tend to be historians, record-keepers," and he has plied his trade in a place where — having been involved since 1947 — he has personal knowledge of more than a third of the institution's history. Ostrom's Cornell roots are even deeper, because his father and brother also attended, as did his wife and classmate, the former Mary Elizabeth Weaver.

Besides visiting their four children and 10 grandchildren — all living within a seven-hour drive — and spending more than a few weeks a year at their home on Cape Cod, Ostrom also wants to give some time to history outside the Cornell tradition.



David Lynch-Benjamin

John S. Ostrom

A childhood memory is visits to his grandfather in upstate New York, when he spent day after day in the local library. But the press of work has cut his consumption to "maybe three or four books a year."

He hopes to read a lot more on history and law — he is still inspired by an undergraduate constitutional-law course of Robert Cushman — and to put together his own family's genealogical history, which has been entrusted to him over the years.

Because his Dutch forebears settled in the Hudson Valley well over 300 years ago, Ostrom says that, paradoxically, "I don't feel anything but American." So when he visits Europe, as he hopes to do more often in retirement, he will be less interested in the Netherlands than in poking into the 2,000-year history of England that has become an interest of his.

He'll visit some of America, too. While Dallas is the only major city he hasn't flown to for business, he says, "I've never seen the United States from the ground. Now I'll have time."

— Sam Segal

## Personnel unit changes structure

The Office of Human Resources has streamlined some of its customer-contact operations to improve efficiency and to be more responsive to employee concerns.

The change likely to be most noticeable is the merger of Training and Development, which provided training programs in broad issue areas, with Employee Relations, which provided one-to-one counseling for individual employees and supervisors.

"Merger will mean more flexibility in serving both long-term and short-term needs," said Marge Swiercz Clark, who now directs the merged unit, called Staff Relations and Development.

"Individuals on our merged staff will be able to mix functions — continuing to provide training in career development and supervision, and responding to needs and problems as they arise," said Swiercz Clark.

A merger of functions less visible to Human Resources customers will see the creation of Records Administration from units now called "Academic Personnel" and "Operations," which have handled a range of paperwork, respectively, for academic employees and non-academic employees.

"One purpose of the changes is to do some of the 'de-layering' that President Rhodes has called for as we all seek general efficiencies," said Human Resources Director Lee Snyder. "We're letting several unfilled managerial positions lapse, and we will have fewer supervisors between front-line staff and senior supervisors."

Also, a new, separate section of Labor Relations — formerly included in Employee Relations — will deal with the four union bargaining units and the details of administering their contracts.

The Labor Relations unit will be concerned with matters that, for non-union employees, are covered in the personnel manual rather than in bargaining agreements.

*'Anyone who knows Jack also knows we'll still see a lot of him around Ithaca and the campus.'*

— Fred Rogers  
vice president for finance

wick Daniel D. Robinson Award for "outstanding contributions to the field of college and university accounting."

Retirement will give him more time for the wealth of volunteer work he has done around Ithaca. He is on the boards, for instance, of the Cayuga Chamber Orchestra and the Community Arts Partnership; he was the key Cornell contact when Cornell was co-host of the Empire State Games in Ithaca two years ago and will play the same role for the next two summers for the New York Special Olympics; he has led the campus United Way drive and advised the Tompkins County Department of Social

## Agronomist works to preserve American-Indian white corn

A Cornell agronomist, herself of American-Indian descent, is helping to salvage the type of white corn grown by Indians in New York state.

The effort, based in the American Indian Agriculture Program, aims to not only stimulate a new, possibly multimillion-dollar industry for the state's American-Indians but also to preserve white corn's vast genetic reservoir for hybrids of the future. Indians' growing practices could also lead the way to more ecologically sound and sustainable farming, says the scientist, Jane Mt. Pleasant, an assistant professor of agronomy in the College of Agriculture and Life Sciences and director of the program.

Although Indian white corn is important in food staples such as tortillas and tamales for North and Meso American Indians throughout North America, very few New York Indians still grow it. Indian agriculture throughout the Northeast, in fact, has dramatically declined in the past three decades, says Mt. Pleasant. Most white corn is now grown at the Seneca Reservation in Cattaraugus County.

"With the loss of local white corn, we faced losing an important agricultural base for Native Americans which is also critical to preserve Indian identity," adds Mt. Pleasant, who is of Tuscarora ancestry.

"Our ultimate goal is to increase the vitality of Indian agriculture in New York state and to apply and improve upon its techniques for modern agricultural practices," says Mt. Pleasant. "If American Indian culture is to continue to be vibrant and meaningful and to expand, then agriculture must be a part of it."

White corn is more than a valuable food resource to American Indians, said Mt. Pleasant. It is kin — revered, respected and lovingly nurtured as an integral part of their culture and spirituality. With life itself revolving around corn and its cycles, the crop symbolizes the continuity and importance of family and community; it helps define space, time, and the Native American's intimate connection with nature and the earth, she said.

Yet, in New York state, only a few commercial farmers and a score of home gardeners still grow the crop, according to a survey conducted by Jorge Quintana, a research associate with the American Indian Agriculture Program. In fact, there was so little seed available to plant experimental plots this past growing season that seed had to be obtained from Ontario.

The white-corn project aims primarily at developing an adequate supply of selected seed and to stimulate New York American-Indian interest and expertise in growing, processing and marketing white corn and its food products. The project will also explore white corn's genetic treasury of traits for plant-breeding purposes and to recover and evaluate traditional Iroquois agricultural practices that might prove useful for low-input sustainable agriculture of the future.

From the Indian standpoint, expanding the agricultural

base for white corn offers Americans Indians an economic opportunity. All the white-corn products now consumed in the state are imported. Mt. Pleasant estimates that the potential market in New York state alone is \$12.5 million a year.

"Plus, the whole Northeast corridor is a huge untapped market for white-corn products," Mt. Pleasant says. "At the same time, growing white corn could reclaim much farmable land on Indian reservations in New York that is now not being used."

From the scientist's view, however, white corn's diversity in stalk heights, kernel colors and ear sizes means a

wide spectrum of genetic traits can be tapped for breeding purposes. Furthermore, the traditional Iroquois methods of growing white corn may reveal important clues for improving sustainable agriculture, which is farming that uses far fewer chemicals than modern high-tech farming.

The agronomists planted several trial plots of white corn this past growing season, and plant breeder Margaret Smith selected plants for desirable seed qualities such as smut-resistance and stalk strength. They also prepared products from the first harvest. "The corn passed with flying colors," Mt. Pleasant said. "It makes excellent tortillas."

— Susan S. Lang

## Sibling smooch



Charles Harrington

Defenseman Dave Burke, a winner of an alumni award for combining excellence in hockey and academics, pushes the puck up ice against Harvard in Lynah Rink Feb. 9. A last-minute goal by Tim Vanani gave the Big Red a 2-2 tie, keeping Cornell in first place in the East Coast Athletic Conference.

# After agreeing on a moral collapse, what do we do next?

If Bruce Wilshire thought he would spark debate when he came here last week to charge that professors at research universities are so hyperspecialized that their studies are self-defeating, and that undergraduates' needs are so neglected that they are no longer educated but disoriented — he had reason to be surprised.

For after the lecture by the author of "The Moral Collapse of the University: Professionalism, Purity and Alienation," Vice President for Academic Programs and Campus Affairs Larry I. Palmer stood up in a scheduled response — and largely conceded to the criticisms.

"I am in a very embarrassing situation, because many of the things Professor Wilshire says as a matter of critique I agree with," said Palmer. "His talk and his book make me think of . . . my favorite definition of a genius: a genius is someone who argues for something that I intuitively believe to be true."

Palmer proceeded to discuss what should be done to remedy the university's ills — a topic, also addressed by Wilshire, that did arouse some controversy among the audience of some 200 people.

The Wilshire-Palmer exchange on Feb. 6 was the first in a lecture series entitled "The Mission and Practice of College Teaching," presented by the Department of Education in the College of Agriculture and Life Sciences. Wilshire is a philosophy professor at Rutgers University. His book was published in 1990 by the State University of New York Press.

Wilshire attributed the moral crisis of the university — its failure to prepare young people to assume responsibility for our civilization — to:

- Loss of the meaning of "education." The Roman root of the word suggests that an educator educates from students their own sense of what is most important to learn — questions such as, who am I? who are we? what can we know? what ought we to do? for what can we hope? — in order to

help orient them on how to live in the world, said Wilshire.

By contrast, he said, professors today act more like instructors who build facts and skills into students, conditioning them "perhaps much like a rat or a dolphin." The result, he added, is that the university now presents a "profound disorienting and fragmenting experience in which the question of what is good is systematically obscured."

- Humanities' "aping" the sciences: With the elevation of the sciences to the "model knowledge in the knowledge factory," the humanities have attempted to follow their lead by having "new knowledge" verified, said Wilshire.

"But any humanities scholar who is not already scientized out of his or her mind knows that this is the wrong model," he said. Discoveries in the humanities are not subject to precise confirmation but to "the ill-defined fundamental knowledge that used to be called wisdom."

- Hyperspecialization: Wilshire traced academic hyperspecialization to the influence of 17th-century thought (the mind-body split and belief that reality could be observed in mechanistic terms), saying, "never before had the learning experience been so completely fragmented."

The self-defeating neglect of undergraduates "who can perpetuate our civilization" is one result, said Wilshire. Another is that academics often "ignore findings in adjoining fields that are highly relevant to their own research interest," he said.

If these are the reasons for the moral crisis in the university, what do Wilshire and Palmer think should be done?

Palmer recommended that professors ask themselves, "What is our individual responsibility for making the institutions in which we find ourselves good institutions?"; accept that many students "treat their academic career as a stepping stone or, worse, an obstacle to the true nirvana"; and experiment with teaching methods.

Wilshire recommended the following:

- Acknowledge that hyperspecialization is irrational; that

many professors are alienated from undergraduates; and that it is a lie to claim that teaching is as important in tenure as research.

- Divide the university into colleges of no more than 300 students, giving leadership to 20 professors who are committed to teaching and interdisciplinary studies.

- Develop an interdisciplinary center or think-tank to develop a shared vocabulary for considering the world's problems and to eventually put pressure on departmental boundaries.

- Expose the forces behind the structuring of the university as archaic and patriarchal; that is, based on the male view of the world as "an assemblage of similarly atomic, self-sufficient and exclusionary substances."

- Give "every opportunity to women to aid us all," said Wilshire, adding that women tend to be more aware of relationships and interdependence between people and things, and that "some women's-studies centers provide the best centers within which to reorganize and perhaps to begin to eliminate the rigid partitions of the university."

In a 30-minute question-and-answer session, however, one professor charged that what is needed most is a change in the tenure system.

"I have been around here long enough to know there is lots of semi-dead wood around," he said. "There must be a system for them to justify their existence."

Palmer said he would, instead, support a professional ethos to encourage professors to retire when it is appropriate to make room for others.

Wilshire deferred tenure questions to the four pages he wrote in his 287-page book. There, he recommends offering a one-year salary bonus as a retirement incentive to professors 55 and older. He also recommends re-evaluations every five years that would not jeopardize tenure but would encourage professors "to stay more constantly alert."

—Lisa Bennett



Charles Harrington

Enrique Baron Crespo

## Europe must help stabilize Middle East: Baron

The European Community must help stabilize the Middle East after the Gulf War ends but still lacks the means to do so, Enrique Baron Crespo, president of the European Parliament, told a Cornell audience Feb. 6.

"The Community is not yet equipped with the institutional structures which would enable it to play an effective role in security matters. We are learning this lesson the hard way, but I am sure that the war will provide yet another impetus toward the political union which is now more clearly than ever a historic necessity," he said.

Baron, 46, a Spanish socialist, lawyer and economist who has headed the European Parliament since 1989, emphasized that "security is not, and never will be, just a military matter. In our common effort to ensure a lasting peace in Europe, it will be

one of the principal tasks of the European Community to establish a new relationship with the countries of Central and Eastern Europe and with the Soviet Union."

Outlining goals for the European Community, the parliamentary president warned, "Unless we stick to this approach, the Community will turn back into a loose confederation, unable to provide the necessary stability upon which a durable peace can be built." His approach for the Community:

- "We believe that a new Europe has to be built on the basis of those structures which have stood the test of time, namely NATO and the Treaty of Rome."

- The Community can be enlarged, but must do so based on treaties establishing economic, monetary and political union.

- "The Community, with the Council of Europe and the institutions set up under the

Helsinki process, must contribute to a new peaceful order stretching, in effect, from San Francisco to Vladivostok."

- "A united Europe must also play a leading role in the world economy, building on its partnership with developing countries in the Lome convention and strengthening the role of the United Nations."

"The U.S. cannot continue to carry alone the burden of leadership of the West and rightly calls for a stronger European voice and contribution to world peace."

Contending that the European Community is "playing a pioneering role" in achieving freedom and regional integration, he said, "The Gulf crisis and its aftermath will also be greatly influenced by the desire of so many people to build their own future in peace and democracy."

—Albert E. Koff

### 'Black Athena' continued from page 1

names of their gods, their myths and religious practices, and a language that left an untold number of words behind, according to Bernal. He argues, for instance, that the city name Athenai, or Athens, and the divine name Athena both derive from the Egyptian Ht Nt, or Temple of Neit, the religious name for the Egyptian city of Sais where the cult of Neit was centered.

He contends that Greeks of the classical period were correct in believing that some of their forebears were Egyptians and Phoenicians. The Greek myths of Danaos and Kadmos, historical references in Aeschylus' "The Suppliants" and the writings of the historian Herodotus, who specified that the names of the gods were with one or two exceptions all Egyptian, all point to Mediterranean origins of Greek culture.

That Greece owed its origins to other, older civilizations was believed throughout Europe during the Renaissance and the Enlightenment, he says, adding that it was the prevailing view until the early 19th century when references to North Africa and the Middle East were erased and a new idea was introduced: that Greece's origins lay in an invasion of Indo-European people from the north who conquered the indigenous, pre-Hellenic Pelasgians. This revision of Greek history proceeded for political purposes and not because of advances in archaeological or other scientific discoveries, according to Bernal.

"For 18th- and 19th-century Romantics and racists it was simply intolerable for Greece, which was seen not merely as the epitome of Europe but also as its pure childhood, to have been the result of the mixture of native Europeans and colonizing Africans and Semites," he writes.

Today's scholars admit some influences from the Middle East but do not go far

enough in, for instance, reinstating the role of ancient Egypt, according to Bernal.

Sander Gilman, the Goldwin Smith Professor of Humane Studies at Cornell, has called "Black Athena" an extremely important book because "Bernal's argument is something that many of us thought intuitively true — that 19th- and 20th-century scholars created the world of classical Antiquity and the origins of the 'the West' to specifically exclude Jews and blacks — but he shows how it was done and why. That's why he's gotten such an incredible international response and why this is one of the most important books in the humanities in a generation, in 20 years."

But one linguistics professor, who asked not to be named, disagrees with Gilman that Bernal's fame is well-deserved.

"'Black Athena' is more politically correct than it is correct about anything else," he said. "Of course, new ideas have to be aired but that there should be such an enormous hullabaloo about something founded on political preferences is not right."

Scholars of Indo-European languages and classicists are among Bernal's harshest critics because they content his scholarship does not meet the standards of their discipline.

"We have all been perfectly aware that there are lots of Semitic loan words in Greek," one classicist said. "And there has been plenty of work since the 19th century on other Near Eastern influences in philosophy and religion. But the idea of Egyptian origins is relatively original with Bernal and complete wishful thinking."

"On the linguistic side, Bernal has a number of suggested loan words which from the standards of the discipline are ludicrous. I predict that among specialists the

book won't have any kind of lasting effect."

One linguist said, "Bernal thinks place names in Greece like Athens, the origins of which are unknown, have Egyptian or Semitic origins. But you could as easily prove that Eskimo was related to Greek as that Egyptian was by playing with the sounds of words and meanings. People have done this with any two languages. Some have even said that Ainu, the aboriginal language of Japan, was related to Greek."

Bernal insists these linguists are wrong. "They can make up false analogies between ancient Greek and modern Eskimo, but the comparison is absurd. Ancient Egypt and ancient Greece operated at the same time in the same small area of the world. We have writings and traditions and archaeological

*Some say 'Black Athena' is the most important book in classics in 20 years. Others contend Bernal's book is fanciful.*

evidence to show that there was contact between them. It would be surprising if we did not find loan words."

Refereeing the argument are scholars such as John Peradotto, professor of classics at the State University of New York at Buffalo and chairman of the American Philological Association, which gave "Black Athena" center stage at its 1989 meeting, and Molly Levine, classics lecturer at Howard University, who organized the APA panel on the book.

"The etymology of Egyptian, Semitic and Greek languages is not an exact science; there is a leeway for taking sides,"

Peradotto said. He found the most compelling portions of Bernal's book to be the sections on the history of European thought and the way the history of Greece was shaped in the 19th and 20th centuries.

According to Levine, "It is extremely difficult to find a scholar with sufficient expertise in Semitic, Egyptian and Indo-European linguistics to attempt an informed response [to "Black Athena."]. A common response has been: 'I like the historical parts, but the etymologies are weak (ridiculous, crazy or worse)' . . ."

David I. Owen, professor of Near Eastern Studies at Cornell, charges that Bernal's critics dismiss his arguments out of hand. The Indo-European linguists, for instance, claim that the linguistic correspondences are impossible even though they are not familiar with ancient Egyptian.

In the meantime, according to Owen and several others, the most important thing Bernal did was open a meaningful dialogue between scholars of the Near East and the Mediterranean worlds.

"Until now, most of the interest in Bronze Age scholarship has been a matter of the Near East scholars looking to the West rather than the pre-Classical Greek scholars going to the East. Along comes Martin Bernal who says the ancient Aegean was really a cosmopolitan place with Egyptian and Canaanite people mixing with Greek-speaking people. This is exactly what has been denied historically by most classical scholarship, and this is what he hopes to demonstrate later."

Volume two of "Black Athena," which will present archaeological evidence, is due out this summer, and volume three, which will elaborate on etymologies and linguistic evidence, is due in three to four years.

—Carole Stone

# CORNELL EMPLOYMENT NEWS

Including Job Opportunities

Volume 3, Number 5

February 14, 1991

## Pursuing Job Prospects

From time to time throughout this spring, Cornell Employment News will publish articles relating to the job search process. This week we are publishing an excerpt from *Just for Your Information: Job Prospecting in the Ithaca Area*. This publication was compiled primarily for those new to or considering coming to the Ithaca area, and is available by contacting J. Courtney Fletcher, Cornell's New York State Job Service representative, at Staffing Services, 255-7044. If you are a Cornell employee, you may also want to contact Staffing Services, 255-5226; Employee Relations, 255-7206; Training and Development, 255-6326; or the Office of Equal Opportunity, 255-3976 for help with or a review of your resume.

### Job Hunting Tips for Those Coming into the Ithaca Area

**Resumes**  
When a person is applying for positions by mail most organizations prefer to have a typewritten resume. Should you need assistance in preparing one, your local State Employment Office may have a booklet. If not, you should contact your local library.

**Cover Letters**  
A cover letter should be one-page long and typewritten if possible. It should consist of three paragraphs:  
1. Introduction: The name of the position, where you read or heard of it, etc.;  
2. Body: Summary of your qualifications as described in the job announcement; and  
3. Closing: When, where and how to contact you, alternate or message numbers, best times to call. If you are in another time zone be sure to mention it, or any information that would make it easier for an employer to contact you.

### References/Letters of Recommendations

If you are relocating to Ithaca from another area, it would be prudent to have your former employers and other references write letters of recommendations for your employment portfolio. Some employers are reluctant to contact references out of state or may not have the time. Try to make it as easy as possible for a prospective employer to give your application as serious consideration as someone who has been in the area for a while.

### Career Changes

When coming into a new area, you should first seek jobs in which you have the most experience and skills. Often candidates think now would be a good time to make a career change. This is not so. Unless there are limited opportunities in your field your best success in getting a job quickly is to stay in the field in which you have the most experience and would therefore be the most competitive. Later, when you know the area and market better, you could pursue a career change.

### Some Do's and Don'ts

Do not get discouraged in your job search. When you begin applying for jobs, keep on applying, and don't rest between applications. Otherwise you'll lose too much momentum and maybe a good opportunity as well. Do follow-up on your applications on a regular basis. Keep the employers informed of your availability at least every three months; sending a note is the best way, telephoning is the worst. Keep your sense of humor and your perspective; don't appear pushy or overanxious. Do find a mentor if possible; everyone wants to be a hero, so don't be afraid to ask for advice or help. And above all, have fun! Yes, looking for a job can be fun. How else could you meet so many nice people and become really informed about your new community?

## Gulf Crisis Support Group

A support group for employees who have relatives serving in the Persian Gulf is meeting on Mondays, 12-1 p.m. in Anabel Taylor Hall, G-18. For more information call Carolyn McPherson, 5-3976 or Regina Wharton, 5-6887.

## Practice Interview Program

Employees on layoff status are encouraged to contact the Office of Equal Opportunity for information about the Practice Interview Program. The program offers practice interviews with feedback, resume and cover letter evaluation, and strategies to improve job opportunities. Though it does not guarantee participants a job at the university, this program is offered on an on-going basis for all interested employees. For more information, call (607) 255-3976.

## Weight Watchers at Work Program

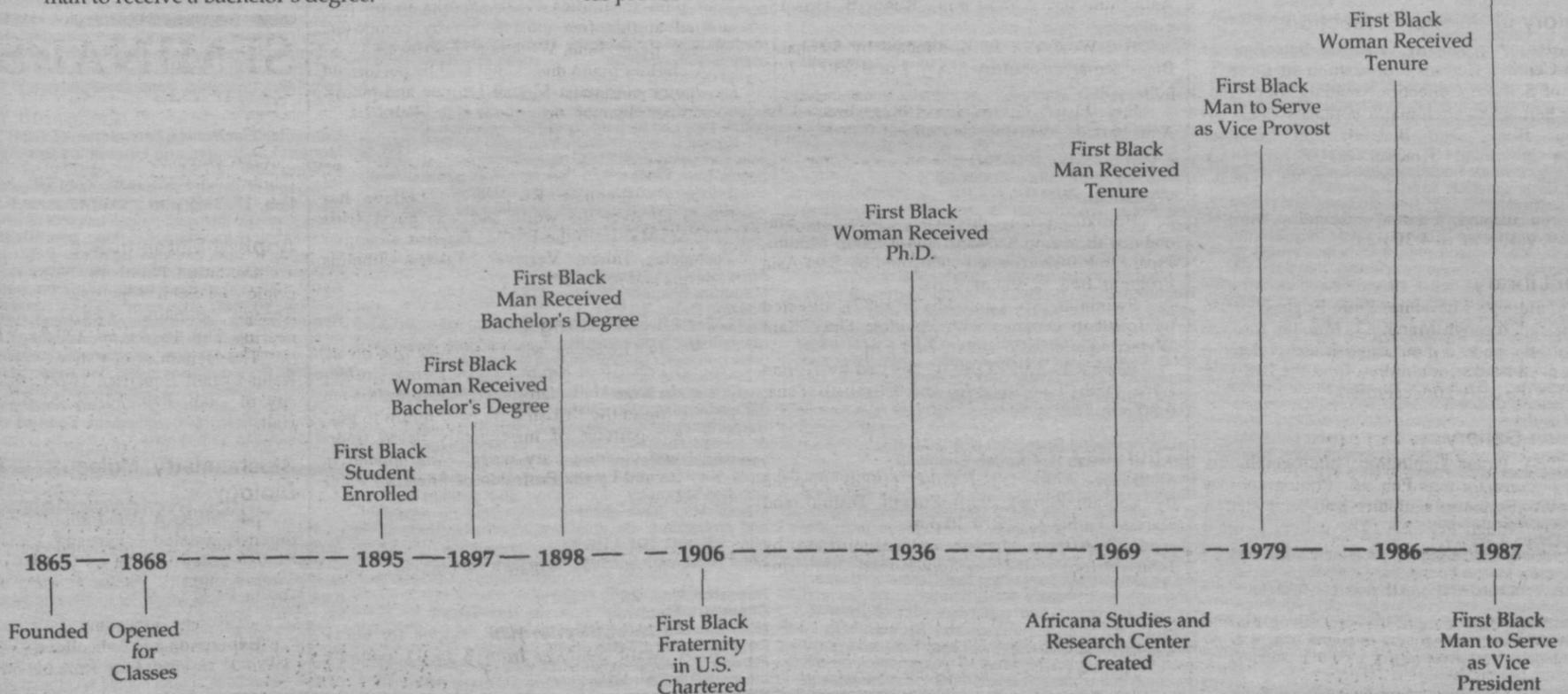
A new eight-week Weight Watchers at Work program will begin on Wednesday, February 27, 1991 from 12:00 noon to 12:45 at Anabel Taylor Hall auditorium. Late registration will be accepted on March 6. All employees are invited to attend.

Come to the informational meeting on February 20 or call Weight Watchers toll-free number at 1-800-234-8080.

## Black History at Cornell: Selected Firsts

In recognition of Black History month, we are noting some selected "firsts" in the history of Black men and women at Cornell. This historical outline was compiled by M. Kay Nelson, *Institutional Planning and Analysis*, 5/87, and updated 1/89.

- |      |   |      |   |      |   |
|------|---|------|---|------|---|
| 1895 | The first known Black student enrolled at Cornell. He was Hugh Oliver Cook and he received a bachelor's degree in 1899. | 1906 | Alpha Phi Alpha was chartered at Cornell. It was the first Black fraternity in the U.S.             | 1986 | The first Black woman to receive tenure at Cornell was Josephine A. Allen in Human Ecology.         |
| 1897 | Sara Winifred Brown was the first known Black woman to receive a bachelor's degree.                                     | 1936 | Flemmie Kittrell was the first known Black woman to receive a Ph.D. (she received an M.S. in 1930). | 1987 | Joycelyn R. Hart is the first Black woman to serve as associate vice president for human relations. |
| 1898 | David A. Williston was the first known Black man to receive a bachelor's degree.  | 1969 | The first Black man to receive tenure at Cornell was Vance Christian in the Hotel School.           | 1987 | Larry I. Palmer is the first Black man to serve as vice president for academic programs.            |
|      |   | 1969 | The Africana Studies and Research Center began with Dr. James Turner as the director.               |      |   |
|      |   | 1979 | Larry I. Palmer was the first Black man to serve as vice provost.                                   |      |   |



# 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.

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

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

### Technical Specialist (PT5206) Information Technologies-Endowed

Posting Date: 2/7/91

Working with the CIT and Cornell-NSF mainframe IBM computers, design, implement, install, document, and maintain systems software and significant subsystems in VM-based systems. Provide leadership in designing and adapting functional enhancements to VM-based systems. Educate and assist users and CIT and Cornell-NSF staff.

**Requirements:** Bachelor's with computer courses in operating system fundamentals or the equivalent, 3-5 years experience with VM operating systems and significant subsystems. Knowledge of hardware concepts as they relate to software issues. Knowledge of IBM/370 assembler language is essential. Knowledge of other operating systems such as UNIX, MVS, and subsystems such as VMTAPE, VMBACKUP, and VMAM would be a plus. Send cover letter and resume to Sam Weeks.

### Systems Program Analyst III (PT5307)

Dining Services-Endowed

Posting Date: 2/14/91

Plan, supervise and coordinate the development, implementation and maintenance of the departments information systems. Evaluate, recommend and implement specifications for existing and new systems components, hardware, software and communications. Develop and maintain all required system flowcharts, analysis and related documentation. Test and audit all system output for accuracy and make necessary corrections. Ensure that departmental reporting needs are met. Provide systems training for staff.

**Requirements:** Bachelor's in computer science or equivalent. 2-5 years related experience in administrative information systems. Experience with PC's. Familiarity with Lotus, WordPerfect preferred. Some experience with Honeywell DPS6, UNIX, IBM mainframes, programming in PICK/BASIC desirable. Organizational and communication skills a plus. Send cover letter and resume to Sam Weeks.

### Area Supervisor (PT4916) Level 34

Cornell Information Technologies-Endowed

Posting Date: 1/17/91

Manage and supervise all aspects of the Consumer Services Resale Operations. This includes the demonstration facility and order processing area. Serve as marketing contact for inventory management, special orders, and vendor concerns and problems. Develop customer service policies. Resolve customer problems.

**Requirements:** Bachelor's or equivalent experience with sales background and emphasis in supervision or area management. Experience with computer technology helpful. Excellent communication, interpersonal, problem solving, and writing skills. Ability to determine and set priorities. Send cover letter and resume to Sam Weeks.

### Applications Programmer/Analyst II (PT3809)

Level 33

Mathematics-Endowed

Posting Date: 9/27/90

Provide advanced Macintosh programming to a mathematics software development project in order to debug, enhance, and complete an existing interactive graphics program for dynamical systems (systems of differential equations) and to being a similar package for vector calculus.

**Requirements:** Bachelor's in mathematically-oriented discipline. 2-3 years experience in advanced programming on the Macintosh including object-oriented programming. Extensive background in Pascal. Send cover letter and resume to Sam Weeks.

### Technical Consultant I (PT5303) Level 32

Cornell Information Technologies-Endowed

Posting Date: 2/14/91

Provide support for faculty, staff, students, and potential users by delivering technical information on five supported platforms (IBM-PC, IBM mainframe, Macintosh, VAX mainframe, and telecommunications). Resolve problems concerning the technical aspects of a diverse set of hardware and software applications. Direct clients to services within Cornell Information Technologies and facilitate back line consulting services. Provide support via service on the HelpDesk, group and individual contacts, short courses, presentations, etc.

**Requirements:** Bachelor's or equivalent. Course work in computer science, business, education preferred. 1-3 years of computing service delivery (consulting, instruction, or related client support services). Outstanding oral and written communication skills. Send cover letter and resume to Sam Weeks.

### Conservation Specialist (PT5207) HRI

Conservation-Endowed

Posting Date: 2/7/91

Provide training and education programs, supported by the Andrew Mellon Foundation, in book conservation. Train, supervise and evaluate conservation technicians and apprentices in a unit providing book conservation, book repair and pre-shelf processing. Perform conservation treatment on rare and unique library materials. Participate in departmental planning and program development.

**Requirements:** Bachelor's in conservation, apprenticeship completion certification, or other verifiable

certification of advanced training. Extensive knowledge of basic and manuscript conservation techniques. 3-5 years training, plus 2 years as trained craftsman and some supervisory experience. Excellent interpersonal, oral and written communication skills. Ability to impart knowledge to others. Send cover letter and resume to Sam Weeks.

### Energy Engineer (PA5201) HRI

Facilities Engineering-Endowed

Posting Date: 2/7/91

Assist in the development, implementation and monitoring of energy related projects for a 12 million square foot university campus.

**Requirements:** Bachelor's in mechanical or electrical engineering or equivalent, Professional Engineer's license (P.E.) preferred. 3-5 years experience with HVAC systems, power distribution, or other energy related work. Cross discipline experience in building mechanical and electrical systems strongly preferred. Analytical skills and computer experience (spreadsheet analysis). Send cover letter and resume to Cynthia Smithbower.

### Senior Science Writer (PC4706) HRI

University Relations/News Service-Endowed

Posting Date: 1/24/91

To cover and write about the full range of work and life of the college of Agriculture and Life Sciences. Write for national press, campus and alumni publications. Keep abreast of research, undergraduate education and the life of the college of Agriculture and Life Sciences.

**Requirements:** Bachelor's or equivalent. Demonstrated excellence in explaining science clearly. 4-5 years related experience in science and journalism to suggest ability to work with researchers and make their work accessible to press and public. Cornell employees send employee transfer application, cover letter, resume, and writing sample to Esther Smith, Staffing Services, EHP. External applicants send cover letter, resume and writing sample to Esther Smith, Staffing Services, 160 Day Hall.

### Senior Research Support Specialist (PT4912) HRI

Lab of Nuclear Studies-Endowed

Posting Date: 1/17/91

Supervise operation, maintenance, and upgrading of the 1 MW 500 MHz Cornell Electron Storage Ring (CESR) Radio Frequency (RF) systems. Participate in R & D of superconducting RF cavities for application to high current storage rings. Provide advice on use and adaptation of RF equipment in specialized uses. Train technicians, grad students and researchers. Prepare reports, maintain records, and supervise maintenance of inventories of supplies.

**Requirements:** Master's in physics or engineering. At least 2 years of experience in RF, accelerator physics, or accelerator technology. Work with RF cavities and accelerator measurements; VMS and UNIX computer operating systems experience; and supervisory experience desirable. Send cover letter and resume to Sam Weeks.

### Conference Coordinator II (PA5302) HRI

Stater Hotel-Endowed

Posting Date: 2/14/91

Responsible for the sale, planning and follow-through of all conferences, meetings, seminars, banquets and private parties held at the hotel. Coordinates the clients needs with the hotel staff.

**Requirements:** Bachelor's in hotel administration preferred; business school degree helpful. Hospitality background essential, specifically meeting planning food and beverage and sales. Computer knowledge; good written and oral communication skills; detail oriented. Send cover letter and resume to Cynthia Smithbower. Flexible nights and weekends.

### Research Support Specialist (PT4301) HRI

Food Science-Statutory

Posting Date: 11/1/90

Provide specialized engineering support of research projects on processing of biomaterials in high pressure, supercritical fluid extraction systems. Optimize processes for the reduction of cholesterol and the fractionation of milk and fats. Duties include design and operation of the pilot plant; maintenance of equipment; data analysis; assistance to grad students in using the system; and preparation of reports and papers.

**Requirements:** Bachelor's in chemical/mechanical engineering (Master's desired) with 2-3 years experience. Send cover letter and resume to Sam Weeks.

### Policy Coordinator (PC5207) HRI

University Audit Office-Endowed

Posting Date: 2/7/91

The Policy Coordinator is responsible for writing policy documents, in the prescribed format, by converting and enhancing furnished administrative and financial policy and procedural materials into clear and understandable written communications.

**Requirements:** Bachelor's or equivalent. 1-3 years writing experience. Prior experience in policy writing desired. Strong working knowledge of Macintosh computers and micro-soft word. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

### Labor Relations Specialist (PA5204) HRI

Office of Human Resources-Endowed

Posting Date: 2/7/91

Provide assistance to the Director of Labor Relations in the administration of the University's labor agreements including grievance investigation and processing, contract interpretation and application; assist in all aspects of collective bargaining to include serving on University's bargaining team; develop contract language and prepare for arbitrations. Advise and counsel managers and supervisors on all labor issues.

**Requirements:** Bachelor's in Labor Relations or related field required. Minimum 3 years hands-on experience in a unionized environment. Experience in grievance handling, contract negotiations and admin-

istration. Proven ability to communication to a variety of constituents at all levels of the organization. Send cover letter and resume to Cynthia Smithbower.

### Farrier (PT5205) HRI

Veterinary Medical Teaching Hospital-Statutory

Posting Date: 2/7/91

Operate farriery. Provide all normal and corrective shoeing. Maintain records and equipment. Order supplies. Instruct veterinary and farrier students in horseshoeing and corrective hoof trimming methods. Assist in student recruitment. Oversee and evaluate students.

**Requirements:** HS diploma and specialized course in blacksmithing. Certification as a journeyman farrier is highly desirable. 8 years experience as a farrier. Send cover letter and resume to Sam Weeks.

### Membership Solicitation Program Coordinator (PA5203) HRI

Public Affairs/Alumni Affairs-Endowed

Posting Date: 2/7/91

Responsible for the Execution of the Membership Solicitation Program (MSP) which involves the creation, processing, and monitoring of dues letter publications for more than 80 alumni classes. Interacts with alumni volunteers, Cornell Alumni News staff, and Public Affairs staff.

**Requirements:** Bachelor's required. Good oral and written communication skills. Ability to direct and coordinate volunteers and their efforts. Strong organizational skills. Attention to detail. Excellent supervisory skills. Knowledge of Macintosh systems helpful. Send cover letter and resume to Cynthia Smithbower.

## Professional Off-Campus

### Assistant Regional Director (PA5301) HRI

Public Affairs Regional Office/Metro New York

Regional Office-Endowed

Posting Date: 2/14/91

Assist the Director and Associate Director in implementation of the university's development, alumni affairs, college/unit, and other programs that involve university alumni and friends.

**Requirements:** Bachelor's or equivalent required. 1-3 years experience in public affairs, development, and/or alumni relations in higher education or a closely related field. Send cover letter and resume to Cynthia Smithbower.

## Boyce Thompson Institute for Plant Research

### Research Assistant

Environmental Biology

Work with other technical staff on projects investigating the effects of air pollutants on plant gas exchange. Operate two types of portable gas exchange analyzers. Training will be provided. Collect and collate field data and keep field notes. April 1, 1991 - November 30, 1991.

**Requirements:** Knowledge of plant physiology, photosynthesis, plant gas exchange. Prior experience with gas exchange analysis is desirable, but not required. Will work mainly in the field, some lab work; will be required to work one week per month from May through September in Acadia National Park; Maine-Housing will be provided; rest of time will be in Ithaca. Work will be supervised by principal investigators, but individual must be able to work well with others. Contact: Anne Zientek, 254-1239.

## Technical

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

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

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

### Lab Technician, GR19 (T5305)

Food Science-Statutory

Minimum Biweekly Salary: \$784

Posting Date: 2/14/91

Perform a variety of microbiological techniques on raw and processed milk and dairy products. Assist in pre-incubation research as well as pathogen studies. Willingness to assist in chemical and organoleptic analysis when needed. Prepare stock solutions, media, and maintain lab environment.

**Requirements:** Bachelor's desirable in microbiology or related field with emphasis in microbiology. 1-2 years experience, preferably in dairy science. Familiarity with bacterial purification and identification, spectrophotometry, fluorimetry, and titration techniques. Must have ability to keep accurate records and procedures. Be able to function independently after training. Basic computer knowledge helpful. Send cover letter and resume to Sam Weeks.

### Research Aide, GR19 (T5201)

Chemistry-Endowed

Minimum Biweekly Salary: \$566.28

Posting Date: 2/7/91

Provide assistance in gathering data for publication of the world's largest mass spectral database reference book. Search chemical journals for mass spectra

data. Assign chemical names. Enter information into computer database. Check data for errors.

**Requirements:** Associate's in chemistry of equivalent required. 1-2 years related work experience. Basic knowledge of mass spectra and nomenclature of organic compounds. Send cover letter and resume to Sam Weeks.

### Copy Preparation Specialist, GR20 (T5302)

CIT/Network Resources-Endowed

Minimum Biweekly Salary: \$590.45

Posting Date: 2/14/91

Create photo-ready copy by operating Linotronic 300 and related equipment to set type and merge graphics and text. Work with customers regarding design techniques, typesetting, job progress, delivery dates, etc. Design simple page layouts using Macintosh. Assist in training new employees.

**Requirements:** HS diploma. Associate's in commercial arts or design desired. Must have type setting experience. 2 years related experience with Macintosh and traditional paste-up. Send cover letter and resume to Sam Weeks.

### Electronics Technician, GR22 (T5002)

CIT/Network Resources-Endowed

Minimum Biweekly Salary: \$641.92

Posting Date: 1/24/91

Assemble, test, install and service terminal, micro-computer, network and data communications equipment. Assemble and install a variety of specialized cables. Perform first-level diagnostics and repairs. Diagnose backbone and local area network problems. Provide routine preventive maintenance. Maintain inventories of supplies. Wed.-Sat., 11pm-9am, 3rd shift.

**Requirements:** Associate's in electronics or equivalent experience and/or coursework. 1-3 years in an electronics hardware environment. Understanding of data communications networks and hardware highly desirable. Experience diagnosing problems in a networking environment, especially TCP/IP, helpful. Strong interpersonal skill desirable. Send cover letter and resume to Sam Weeks.

## Technical Temporary

### Technician, (T5304)

Microbiology, Immunology and Parasitology-Statutory

Hiring Rate: \$7.00

Posting Date: 2/14/91

Assist in general duties in a microbiology lab. Prepare buffers, reagents, and media. Provide clean glassware using dishwasher. Provide sterile glassware and equipment using autoclave. Maintain supplies.

**Requirements:** HS diploma. Experience in a microbiology lab with familiarity with basic lab equipment and sterile technique. Ability to read and follow directions. Send cover letter and resume to Sam Weeks.

### Machinist, (T5306)

Newman Lab-Endowed

Posting Date: 2/14/91

Machining and assembly of highly sophisticated experimental apparatus using precision machine tools (such as milling machines, lathes, drill presses) and inspection equipment (height gauges, dial indicators, verniers). Must be able to work from blueprints and rough sketches and be able to select material and follow job through from start to finish.

**Requirements:** HS diploma or equivalent. Must have sound machine shop mathematics. Minimum of 2 years experience preferred. Send cover letter and resume to Sam Weeks.

### Service Technician, (T5301)

Entomology-Statutory

Hiring Rate: \$5.50-\$6.00

Posting Date: 2/14/91

Assist in research involving insect pest management of greenhouse and field crops. Count insects on plant material. Weigh specimens. Assist with experimental set up, data collection, and data entry. Duties to be split between two researchers.

**Requirements:** Bachelor's in a biological science, entomology, horticulture, agronomy or related areas (or equivalent). Some experience with Macintosh computers desirable. Send cover letter and resume to Sam Weeks.

### Computer Electronics Technician, (T5204)

Modern Languages and Linguistics-Endowed

Posting Date: 2/7/91

Install and maintain computers and other electronics equipment. Working with a staff of student technicians, oversee the basic maintenance of all phonetics lab equipment including Sun, Mac, and IBM computers and speech analysis devices. Participate in equipment purchase decision. Maintain inventories. Assist staff and student users. 20 hours per week. \$8-10.00 an hour.

**Requirements:** Knowledge of computer repair and electronics essential. Must be familiar with UNIX and DOS operating systems and be able to install and maintain related software and hardware. Should be familiar with serial and parallel data transmission, digital signal processing, A/D-D/A hardware, networking, and recording equipment. 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, Microm), data entry, technical typing, or medium to heavy typing (45-60+ wpm) are encouraged to apply.

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

position in which they are interested.

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

**Office Assistant, GR16 (C4919)**

**Computer Science-Endowed**  
**Minimum full-time equivalent: \$511/68**

**Posting Date: 1/17/91**  
Assist with printing and distribution of departmental technical reports. Provide clerical and administrative support to faculty as needed; typing, travel, etc. Light typing.

**Requirements:** HS diploma. Experience with microcomputers and large photocopiers. Must be flexible, able to work under time constraints. Excellent communication and interpersonal skills and ability to prioritize a must. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Telephone Operator, GR17 (C5001)**

**Telecommunications-Endowed**

**Minimum Biweekly Salary: \$530.38**

**Posting Date: 2/7/91**  
Provide Caller related assistance when University is open. Operate Telex when required. Answer approximately 500-600 calls per day. Fall, Winter, Spring; Monday-Friday 9:30-6. Summer: Monday-Friday 8:30-5.

**Requirements:** HS diploma or equivalent. Able to work independently. Spelling, listening, reading, CRT and keyboard skills required. Light typing. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Telephone Operator, GR17 (C5002)**

**Telecommunications Services-Endowed**

**Minimum Biweekly Salary: \$530.38**

**Posting Date: 1/31/91**  
Provide caller related assistance when university is open. Operate Telex when required. Answer approximately 500-600 calls per day. Monday - Friday 5:30pm - 2am

**Requirements:** HS diploma or equivalent required ability to work independently. Spelling, listening, reading, CRT and keyboard skills required. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR17 (C4910)**

**Plantations-Statutory**

**Minimum Biweekly Salary: \$517.65**

**Posting Date: 1/17/91**  
Provide secretarial and organizational support to the Director, the Development officer, and the Public Affairs Assistant at Cornell Plantations.

**Requirements:** HS diploma required. Some college coursework preferred. 1 year secretarial experience required including use of PC's with WordPerfect and dBase III+. Knowledge of Cornell's Public Affairs Information System helpful. Demonstrated ability to work with donors and confidential information. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Accounts Assistant, GR18 (C5302)**

**Section of Physiology-Statutory**

**Minimum Biweekly Salary: \$529.35**

**Posting Date: 2/14/91**  
Assist in the accounting and purchasing functions of the department/section utilizing an annual budget of more than 4 million. Assist in the management of funds from state, college, Endowed and sponsored programs sources.

**Requirements:** HS diploma or equivalent. Additional education and/or experience in accounting/book-keeping. Minimum 1 year experience. Excellent organizational, interpersonal and communication skills. Knowledge of computers. Medium typing. Regular Cornell employees only. Send transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C5304)**

**Residence Life-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 2/14/91**  
Provide secretarial support for the Administrative Supervisor. Handle word processing; screen office mail and assist with housing assignment work.

**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1-2 years related experience. Micro and mainframe computer data entry experience preferred. Strong interpersonal, organizational and communications skills essential. Excellent skills in spelling, grammar and punctuation required. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C3704)**

**Engineering Advising-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 9/20/90**  
Maintain student databases on FoxBase+ and use to generate lists, reports, and letters. Responsible for maintaining and organizing confidential files of academic action letters and petitions; will act as receptionist in advising office, providing secretarial support to professional staff. Other duties as assigned. Monday-Friday, 8-4:30, occasional weekends.

**Requirements:** HS diploma or equivalent, some college coursework preferred. Knowledge of Microsoft Word and FoxBase for the Macintosh. Good interpersonal and organizational skills. Able to work independently, set priorities and meet deadlines. Knowledge of Cornell a plus. Medium typing. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR18 (C3808)**

**Summer Session-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 9/27/90**  
Provide administrative and secretarial support for the media services department of the division. Assist in producing and distributing marketing and publicity materials and keeping records of media department efforts and of their effectiveness. Provide secretarial support to the media manager and media assistant.

**Requirements:** HS diploma or equivalent. 1-2 years related experience. Excellent organizational and communication skills required. Ability to work under pressure and to meet deadlines. Familiar with advertising, publicity, and graphic design helpful. Knowledge of Macintosh computer and Microsoft Word,

Pagemaker and Filemaker Plus software helpful. Valid NYS driver's license. Able to lift up to 40lbs. Medium typing. Cornell employees Send employee transfer application, cover letter, resume, and 2 (short) writing samples to Esther Smith, Staffing Services, EHP. External applicants send cover letter, resume and short writing samples to Esther Smith, Staffing Services, 160 Day Hall.

**Senior Circulation/Reserve Assistant, GR18 (C5105)**

**Access Services-Statutory**

**Minimum Biweekly Salary: \$529.35**

**Posting Date: 1/31/91**  
Under the general direction of the Administrative Supervisor of Circulation, responsible for processing book replacement and fine bills; prepare and send bills and credits to the Bursar and Cornell Collections; also works at the circulation desk. Uses the NOTIS circulation system or other computer applications for billing process. Monday-Thursday 10a.m. - 7p.m., Sunday 1p.m. - 9p.m. Schedule may change during the academic calendar.

**Requirements:** HS diploma required. Some college coursework preferred. Ability to work well with a variety of people in a public service setting. Organizational ability and an aptitude for detailed work. Strong interpersonal and communication skills. Experience with microcomputers. Some background with business math desirable. Light typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C5115)**

**Architecture-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 1/31/91**  
Act as main receptionist and academic secretary for the Architecture Department. Schedule Chairman's appointments; refer students, faculty, and visitors; sort and forward mail; answer telephone; post notices coordinate room schedules; update faculty notices; type course programs and other documents (general correspondence, letter of reference, minutes, etc.)

**Requirements:** HS diploma or equivalent. Minimum 1-2 years secretarial experience, and ability to type accurately as well as fast. Work with Macintosh SE/30 competently. Previous experience in dealing with the public essential. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Accounts Assistant, GR18 (C5102)**

**Unions and Activities/Cornell Cinema-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 1/31/91**  
Process all billings and maintain financial records for Cinema, Data entry; order materials; prepare mailings; type; file; receptionist support; make arrangements for visiting filmmakers, and oversee shipping of films.

**Requirements:** HS diploma or equivalent required. Some college coursework preferred. 1-2 years related accounting experience. Familiar with Cornell accounting procedures preferred. Work processing, general office skills required. Experience with DBase III Plus desired. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Department Secretary, GR18 (C5107)**

**CIS/Cornell Broad-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 1/31/91**  
Serve as information source for department, staff and visitors; provide secretarial and clerical support to the Director and Assistant Director; screen calls; greet visitors; schedule appointments; give handouts; arrange meetings; type and proofread correspondence.

**Requirements:** HS diploma or equivalent. Some College coursework preferred. Minimum 1-2 years of related experience. Excellent communication skills. Attention to detail. Ability to work independently. Computer experience. Able to set priorities and interact well with the public. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C5113)**

**University Development-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 1/31/91**  
Provide administrative and secretarial support for Associate Director and Development Assistant in the Cornell Fund. Assist in the coordination of the national and student phonathon programs; assist in preparation and coordination of mass mailings; prepare computer reports and coordinate distribution; make travel arrangements; maintain files.

**Requirements:** HS diploma or equivalent. Some college coursework preferred. Minimum 1 year related experience. Excellent organizational and interpersonal skills. Very good typing skills, proficiency on Macintosh hardware and software preferred. Excellent communication (written and oral) skills. Knowledge of Cornell preferred. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C5005)**

**Human Service Studies-Statutory**

**Minimum Biweekly Salary: \$529.35**

**Posting Date: 1/24/91**  
Provide secretarial support for 4-6 faculty in a large department, type classwork, reports, manuscripts, correspondence and vouchers; answer telephone; distribute mail; arrange travel, library reserve lists; conferences and meetings; order text books; make copies; run campus errands; keep faculty files and calendars and other duties as assigned. Heavy typing.

**Requirements:** HS diploma or equivalent education/experience. Business or secretarial school highly desirable. 1-2 years previous secretarial experience; experience on IBM PC or Macintosh computers; knowledge of word perfect or Micro Soft Word highly desirable. Ability to work under pressure. Interpersonal and organizational skills. Machine/manual transcription skills. Regular employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Secretary, GR18 (C4912)**

**Johnson Museum-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 1/17/91**  
Responsible for coordination of gift procedure. Coordinate and process annual report. Process accession cards for permanent collection records, type grant applications. Act as back-up lobby receptionist and provide support for director's assistant and curatorial administrative aide. Monday - Friday, 8:30 - 5.

**Requirements:** HS diploma required. Some college coursework and interest in art preferred. 1-2 years experience in administrative setting. Experience with

Cornell Gift Records Helpful. Working knowledge of word processing. Good communication skills and ability to edit and proofread required. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Editorial Assistant, GR18 (C4913)**

**University Press-Endowed**

**Minimum Biweekly Salary: \$542.89**

**Posting Date: 1/17/91**  
Act as assistant to acquisitions editors. Responsible for acquisition, development and maintenance of several lists of scholarly books. Perform routine office duties. Extensive phone contact with authors, readers, and other departments of the Press. Monday - Friday 8:42am - 5pm

**Requirements:** HS diploma required. Associate's or equivalent preferred. 1-2 years prior experience with book publishing helpful. Familiarity with IBM PC's. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

**Secretary, GR19 (C5008)**

**Johnson Graduate School of Management-Endowed**

**Minimum Biweekly Salary: \$566.28**

**Posting Date: 1/24/91**  
Provide clerical and secretarial support to the Dean's office. Type; answer telephones; assist in the preparation of reports and projects.

**Requirements:** HS diploma or equivalent. Some college coursework in Secretarial Science preferred. 2 years of office experience required. Familiar with higher education and/or business management preferred. Excellent organizational and oral skills. Ability to communicate and articulate with public, as well as academicians. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR19 (C4909)**

**Public Affairs/Engineering-Endowed**

**Minimum Biweekly Salary: \$566.28**

**Posting Date: 1/17/91**  
Provide general secretarial assistance. Maintain gift acknowledgement system for the College of Engineering. Provide administrative support to the Director of Development, and the Director of Leadership Gifts. Act as primary receptionist for the Engineering Public Affairs office. Monday-Friday, 8:30-5.

**Requirements:** HS diploma required. Associate's preferred. 1-2 years related experience. Solid secretarial skills and ability to work well with others is important. Excellent organizational and communication skills (both oral and written) necessary. Attention to detail, discretion, and ability to handle confidential material. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Receptionist/Information Secretary, GR19 (C4914)**

**Graduate School Records-Endowed**

**Minimum Biweekly Salary: \$566.28**

**Posting Date: 1/17/91**  
Enter data on IBM computer. Process forms related to graduate students records. Answer phones and basic inquiries from students, faculty and other offices. Assist in course enrollment and at reception desk. Process application letters. Full time, regular.

**Requirements:** HS diploma required. Some college coursework preferred. 1-2 years related experience. Knowledge of college structure. Ability to work and organize independently. Communication skills important. Familiarity with word processing and dBase desired. Confidentiality required. Medium typing. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR19 (C4304)**

**Telecommunications-Endowed**

**Minimum Biweekly Salary: \$566.28**

**Posting Date: 11/1/90**  
Provide administrative support for department management; back-up service representatives and receptionist.

**Requirements:** HS diploma required. Some college coursework preferred. 1-2 years related experience. Working knowledge of PC's and terminals required. Excellent interpersonal communication skills (written and oral) required. Telecommunications experience desired. Ability to maintain confidentiality. Medium typing. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR19 (C5110)**

**JGSM-Endowed**

**Minimum Biweekly Salary: \$566.28**

**Posting Date: 1/31/91**  
Provide secretarial and administrative support to the Director of Business Operations and the School's Business Manager.

**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1-2 years related office experience. Working knowledge of Macintosh computer. Excellent organizational, interpersonal and communication (written and oral) skills. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR19 (C5008)**

**Johnson Graduate School of Management-Endowed**

**Minimum Biweekly Salary: \$566.28**

**Posting Date: 1/24/91**  
Provide clerical and secretarial support to the Dean's office. Type; answer telephones; assist in the preparation of reports and projects. Heavy typing.

**Requirements:** HS diploma or equivalent. Some college coursework in Secretarial Science preferred. 2 years of office experience required. Familiar with higher education and/or business management preferred. Excellent organizational and oral skills. Ability to communicate and articulate with public, as well as academicians. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR19 (C5007)**

**Public Affairs/Library-Endowed**

**Minimum Biweekly Salary: \$566.28**

**Posting Date: 1/24/91**  
During 75 million dollar campaign, complete routine secretarial duties for Library Public Affairs staff. Communicate daily with Library staff, development officers and donors via telephone conversations and written correspondence. Heavy typing.

**Requirements:** HS diploma or equivalent. 1-2 years experience in office environment with similar duties. Good interpersonal and communication (written and oral) skills. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Receptionist/Information Secretary, GR19 (C4914)**

**Graduate School Records-Endowed**

**Minimum Biweekly Salary: \$566.28**

**Posting Date: 1/17/91**  
Enter data on IBM computer. Process forms related to graduate students records. Answer phones and basic inquiries from students, faculty and other offices. Assist in course enrollment and at reception desk. Process application letters. Medium typing. Full time, regular.

**Requirements:** HS diploma required. Some college coursework preferred. 1-2 years related experience. Knowledge of college structure. Ability to work and organize independently. Communication skills important. Familiarity with word processing and dBase desired. Confidentiality required. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR20 (C5205)**

**Unions and Activities/CAC-Endowed**

**Minimum Biweekly Salary: \$590.45**

**Posting Date: 2/7/91**  
Provide administrative support to the Activities Center unit's professional staff. Serve as office manager; oversee/review office policies and procedures; some filing; assist in the day to day operation of the Activities Center units; some accounting.

**Requirements:** Associate's in Secretarial Science or equivalent preferred. 2 years related experience in a senior level office position with supervisory responsibilities and significant public interaction. Bookkeeping/accounting background and excellent grammar skills essential. Experience with word processors required. Office management skills preferred. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Senior Department Assistant, GR20 (C4412)**

**Catalog Management/Olin/CUL-Endowed**

**Minimum Biweekly Salary: \$590.45**

**Posting Date: 11/8/90**  
Responsible for completing the work associated with the barcoding project and clean-up for Olin, Uris and the Endowed Unit Libraries. This individual exercises considerable judgement in technical procedures for the Barcodex Cleanup Group. Responsibilities include: performing the work of the Group, supervising student assistants serving as a quality control specialist. 39 hours per week, Monday-Friday.

**Requirements:** Associate's required, or the equivalent combination of work experience and education. Minimum of 1 year relevant technical Services experience. Demonstrated ability to work independently and exercise judgement. Ability to work well with details. Good interpersonal communications, (verbal and written) skills. Must be dependable and work well under pressure. Previous supervisory experience desirable. Light typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR20 (C5112)**

**University Development-Endowed**

**Minimum Biweekly Salary: \$590.45**

**Posting Date: 1/31/91**  
Provide secretarial and administrative assistance for the Director of Major Gifts. Coordinate flow and oversee completion of work within office; type, edit and proofread correspondence and reports; make appointments and coordinate travel arrangements; conduct research for special projects and carry out special assignments as may be requested by Director.

**Requirements:** Associate's or the equivalent in education, experience and training. Minimum 2 years related experience. Excellent organizational, communications (written and oral) and interpersonal skills. Ability to handle confidential information and prioritize assignments and work under pressure. Proficiency on Macintosh computer. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR20 (C5111)**

**University Development-Endowed**

**Minimum Biweekly Salary: \$590.45**

**Posting Date: 1/31/91**  
Assist the Associate Director of the Cornell Fund by providing administrative support to the functioning of the Cornell Fund. He/she has primary responsibility for coordinating operational logistics between the regional, college, public affairs and central annual fund offices.

**Requirements:** Associate's or the equivalent in education, experience and training. Minimum 2 years related experience in office, human resource, budget management and computers. Excellent organizational, communication (written and oral) and interpersonal skills. Ability to handle confidential information, prioritize assignments and work under pressure. Knowledge of Cornell desirable. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR21 (C5206)**

**Unions and Activities/CAC-Endowed**

**Minimum Biweekly Salary: \$615.42**

**Posting Date: 2/7/91**  
Provide full secretarial support for the Director of Student Activities. Assist in planning and implementation of various student-oriented programs; provide accounting support for 20 operating/appropriated accounts; supervision of student office assistant.

**Requirements:** Associate's preferred. 2 years of secretarial experience. Cornell endowed accounting experience. Knowledge of IBM PC with working knowledge of WordPerfect and Lotus desired. Good communication, organizational and interpersonal skills required. Ability to work independently. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR21 (C5114)**

**CHESS-Endowed**

**Minimum Biweekly Salary: \$615.42**

**Posting Date: 1/31/91**  
Coordinate operations between the outside scientific community and the CHESS staff. Receive and process proposals submitted to CHESS; schedule beamtime; organize and prepare correspondence with the user community; prepare statistical information; answer telephone on a very busy system; prepares mailings; major responsibilities in each area.

**Requirements:** Associate's or equivalent experience. Working knowledge of MacIntosh. 2-3 years related experience. Working knowledge of MacIntosh. Strong organizational and communication skills. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR22 (C3501)**

**Human Service Studies-Statutory**

**Minimum Biweekly Salary: \$625.24**

**Posting Date: 9/6/90**  
Provide administrative staff assistance to the overall

management of the department; including coordination of appointments, supervision of clerical staff (6); fiscal management; office management; and coordination of department information, space and special programs. Medium typing.

**Requirements:** Associate's or equivalent. 3-4 years related experience. Prior experience required in personnel, supervision, fiscal management and office management. Knowledge of IBM computers and systems management desirable (Wordperfect, Lotus 123, Dbase). Knowledge of budgeting and Cornell accounting system a plus. Strong interpersonal skills. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Assistant Costume Shop Manager, GR23 (C5109)  
Theatre Arts-Endowed  
Minimum Biweekly Salary: \$669.23  
Posting Date: 2/14/91**

Assist Costume Shop Manager in all phases of shop operations in constructing costumes for theatre productions. Purchase supplies and materials; monitor budgets and inventory; draft and drape patterns, construct costumes; assist with supervision of student personnel. Monday-Friday 9-5; some evenings and weekends.

**Requirements:** Associate's required. 3-4 years professional theatre experience. Theatrical costume construction, patterning skills, costume crafts-dyeing, millinery, tailoring, etc.; experience operating costume shop equipment. Budgeting skills. Supervisory experience. Good interpersonal skills. Regular Cornell employees send transfer application, cover letter and resume to Esther Smith, Staffing Services, East Hill Plaza. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

### Office Professional Part-time

**Office Assistant, GR16 (C4915)  
Athletics-Endowed**

**Minimum full-time equivalent: \$511.68  
Posting Date: 1/17/91**

Provide secretarial and clerical assistance in the operation of the Athletic Business Office. Primary responsibility for telephone coverage and receptionist duties. Medium typing.

**Requirements:** HS diploma required. Minimum 1 year successful office experience. Excellent typing and telephone skills. Knowledge of computer and word processing software helpful. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

**Office Assistant, 17 (C3802)**

**Center for Environmental Research-Endowed  
Minimum full-time equivalent: \$530.38  
Posting Date: 9/27/90**

Assist Waste Management Institute administrative support staff with routine word processing in Macintosh; filing and mailing responsibilities; arrange meetings and travel schedules. Other general office duties.

**Requirements:** HS diploma or equivalent. Some related experience (6 months-1 year). Macintosh experience essential. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Senior Records Assistant, GR18 (C5303)**

**Technical Services/Physical Sciences Library-Endowed  
Minimum full-time equivalent: \$542.89  
Posting Date: 2/14/91**

Responsibilities include supervising the maintenance of the library's serials collection; including issue check-in, bindery preparation and problem solving. Provide information services to library users. Monday-Friday, 35 hours per week.

**Requirements:** HS diploma or equivalent. 1-2 years academic experience with course work in the physical sciences preferred. Demonstrated ability to communicate effectively with staff and the public, and perform detailed work without supervision. Familiarity with computers required. Must be able to work well under pressure with frequent interruptions. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR18 (C4003)**

**Office of Human Resources-Endowed  
Minimum full-time equivalent: \$542.89  
Posting Date: 10/11/90**

Under general supervision, provide clerical assistants to Administrative Aide and Directors of the Office of Human Resources. Assist in scheduling and organizing appointments, meetings and conferences; assist in preparing correspondence, reports, and other documents using Digital All-in-One word processing equipment; act as receptionist; answer and route telephone calls and visitors; open and organize incoming and outgoing mail.

**Requirements:** HS diploma education or equivalent. 1-2 years of secretarial experience. Knowledge of personnel policies/procedures helpful. Excellent (verbal and written) communication skills. Knowledge of word processing equipment (Digital, Macintosh essential). Experience working in confidential setting preferable. Dictaphone a plus. Monday-Friday, 10 a.m.-2pm. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

**Accounts Assistant, GR18 (C5203)**

**University Health Services-Endowed  
Minimum full-time equivalent: \$542.89  
Posting Date: 2/7/91**

Provide billing services for UHS to include: receive payments from patients for services rendered, daily deposits and balancing; complete insurance forms and compensation reports, Bursar charges and communications; prepare patient and insurance correspondence relating to specific accounts and billing procedures. Monday-Friday, 24 hours per week.

**Requirements:** HS diploma or equivalent. Some medical experience, accounting and computers preferred. Ability to work independently, be self directed, and have strong interpersonal skills. Must be able to work flexible hours. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

**Secretary, GR18 (C5101)**

**Vet Micro, Immunol and Parasit-Statutory  
Minimum full-time equivalent: \$529.35  
Posting Date: 1/31/91**

Type research grants, teaching material and correspondence; prepare and send out weekly seminar

notices, pick up mail; answer telephone; and prepare notices of proposed travel. Monday-Friday, 4 hours per day, flexible hours.

**Requirements:** HS diploma required. Some college coursework preferred. 1-2 years secretarial experience. Proficient with Word Perfect, good interpersonal and communication (written and oral) skills. Heavy typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C4907)**

**Community and Rural Development Institute-Statutory  
Minimum full-time equivalent: \$529.35  
Posting Date: 1/17/91**

Perform various secretarial functions for Institute Director and Associate Director. Maintain Institute database of all rural development programs on campus. 20 hours per week, flexible.

**Requirements:** HS diploma required. Some college coursework preferred. Excellent secretarial skills, with knowledge of computers and 1-2 years experience in professional office, preferably at Cornell. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR19 (C4702)**

**Operations Research and Industrial Engineering-Endowed  
Minimum full-time equivalent: \$566.28  
Posting Date: 12/20/90**

Provide administrative/clerical support for the Graduate Program and the School's Administrative Manager. Backup for technical typing using the EXP program. Other duties as assigned.

**Requirements:** HS diploma or equivalent. Some college coursework preferred. 1-2 years related experience. Good interpersonal skills. Knowledge of technical typing helpful. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR21 (C5106)**

**Center for Applied Mathematics-Endowed  
Minimum full-time equivalent: \$615.42  
Posting Date: 1/31/91**

Provide administrative support for Center. Assist in word processing; answer telephones; accounting, purchasing, and inventory. Other duties as assigned. 20 hours per week.

**Requirements:** Associate's or equivalent. 2-3 years related experience. Knowledge or willingness to learn MS-DOS and UNIX operating systems and the following software programs: LaTeX, Wordperfect, Lotus 123. Excellent interpersonal and communication (written and oral) skills. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

### Office Professionals Temporary

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

**Office Assistant (S5107)**

**Photocopy Services/Olin Library-Endowed  
Hiring Rate: \$7.00  
Posting Date: 2/7/91**

Support the Administrative and self-service photocopy operations. Supervise student staff. Customer relations. Quality and inventory control. Operation of machinery. Deliveries to other library locations. Must be able to lift maximum 50lbs. During Saturday hours, oversee the activities of the Copy Center office. Tuesday-Friday 8am - 5pm Saturday 10am - 6pm Position until 5/24/91.

**Requirements:** HS diploma or equivalent. Communication, interpersonal, and organizational skills required. Ability to set priorities. Experience operating photocopy equipment and microcomputers. Send cover letter and resume to Karen Raponi, Staffing Services, 160 Day Hall.

### Temporary Part-Time

**Building Attendant (S5204)**

**Uris Library-Endowed  
Posting Date: 2/14/91**

Under the direction of the Administrative Supervisor, assist in the daily reshelving of materials of materials returned from circulation, and work at the Security Desk inspecting knapsacks, briefcases, etc. of exiting patrons when the security alarm sounds. Part-time, 20 hours per week, Monday-Friday; morning hours. Position open March 15-June 30.

**Requirements:** HS diploma or the equivalent. Must be able to lift 50lbs. Public relations skills are essential. Please send cover letter and resume to Karen Raponi, Staffing Services, 160 Day Hall.

### Temporary Off-Campus

**Youth Development Program Assistant (S4803)**

**NYC Cooperative Extension-Statutory  
Posting Date: 12/20/90**

Utilizing independent judgment and initiative, provide

administrative support to the Senior Extension Associate for Youth Development. Primarily responsible for support to program development efforts and devising and implementing systems to reach long-term goals. 20 hours per week.

**Requirements:** Bachelor's required. 2-3 years administrative experience. Writing, researching and synthesizing skills. Flexible, detail oriented, able to work under pressure. Knowledge of urban communities. Word processing and database systems skills. Please send cover letter and resume to Linda Nessel, 15 East 26th Street, New York, NY 10010.

**Program Assistant (S5018)**

**NYC Cooperative Extension-Statutory  
Posting Date: 1/24/91**

Provide program assistant to the Expanded Food and Nutrition Education Program (EFNEP) Site Leader. Coordinate efforts of Nutrition Teaching Assistants, conduct inservice training sessions, prepare reports, review and monitor NTA logs, the records and reporting and data entry systems. Attend conferences, workshops, etc. Wednesday - Friday, 9am - 5pm

**Requirements:** Bachelor's in food/nutrition/community health. 3 years work experience in foods/nutrition/health. Good communication skills, supervisory experience. Bilingual preferred but not required (English/Spanish). Send Cover letter and resume to Gloria Roman, 15 East 26th Street, New York, NY 10010.

### General Service Temporary

**Poultry Worker (S5101)**

**Poultry Science-Statutory  
Hiring Rate: \$5.50  
Posting Date: 2/14/91**

Feed poultry and maintain cleanliness of poultry barns. Must have valid NYS drivers license. Casual appointment: Saturday and Sundays; approximately four hours each day. Please contact Karen Raponi, Staffing Services, 255-2192.

### 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.

**Material Handler, S004 (G3001)**

**Campus Store-Endowed  
Hiring Rate: \$6.88  
Posting Date: 8/2/90**

Unload trucks; receive, mark and store merchandise at warehouse. Assist in transporting of merchandise to Campus Stores and delivering orders to customers. Monday-Friday, 8-4:30, some evenings and weekends.

**Requirements:** HS diploma or equivalent. Must possess valid NYS driver's license. 1-2 years related retail experience. Experience in warehouse operations helpful. Should be comfortable driving trucks up to feet long. Must be able to lift 70lbs. Regular Cornell employees send employee transfer application to Esther Smith, Staffing Services, EHP.

**Dispatcher, S006 (G4305)**

**Customer Service Center-Endowed  
Hiring Rate: \$7.52  
Posting Date: 11/1/90**

Receive any trouble calls, relay messages and coordinate and dispatch appropriate tradespeople and material delivery personnel, or courier/cab service as requested. The customer service center is the focal point of requests for repairs, maintenance and alterations and information about the physical plant.

**Requirements:** HS diploma or equivalent. 2 years related experience. Working knowledge of Cornell campus helpful. Medium typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

**Senior Mechanic, T007 (G5201)**

**Utilities-Endowed  
Posting Date: 2/14/91**

Responsible for the uninterrupted and efficient daily operation and maintenance of the chilled Water Plants and Hydro-electric Plant. To operate and maintain Central Plant equipment including electric driven chillers, pumps, cooling towers, vacuum and compressed air systems, water turbines and generators, water treatment equipment and instrumentation. Operation of the Central Utility Plants shall include use of the Campus microprocessor-based central control systems.

**Requirements:** Associate's in Mechanical/Electrical Technology. 1-3 years experience in refrigeration, operation and maintenance of Central Utility Plants desirable. 1-3 years experience in electric and solid state electronic controls and their application in control and monitoring. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall. Women and minorities are particularly encouraged to apply.

**Shift and Maintenance Mechanic, S009 (G4006, G4007)**

**M and SO/Mechanical Shop-Endowed  
Hiring Rate: \$8.66  
Posting Date: 11/8/90**

Perform preventive maintenance on boilers, burners and other mechanical HVAC equipment found in commercial, industrial, residential and research institutions. Monitor equipment, building and utility systems. Inspect and lubricate all mechanical equipment. Read electric, water and steam meters. Shift will vary according to shift duty.

**Requirements:** HS diploma or equivalent. Knowledge of HVAC, utilities, controls and other support systems in an high technology environment. Minimum 3 years experience maintaining mechanical equipment. Experience with boilers and burners. Valid NYS drivers license required. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall. Women and minorities are particularly encouraged to apply.

**Maintenance Mechanic, S008 (G5001)**

**Residence Life-Endowed  
Hiring Rate: \$8.27  
Posting Date: 1/24/91**

General Service-Part Time  
Responsible for general maintenance of assigned residence areas including physical plant facilities and department equipment. Monday-Friday, 8am - 4:30pm

**Requirements:** HS diploma or equivalent. 3-5 years experience in maintenance mechanic or building and maintenance field required; 2 years experience in a trade. General knowledge of others. Able to work in a student oriented environment. Good communication, interpersonal and organizational skills. Able to make immediate on-site decisions. NYS class 3 driver's license preferred. Must be in good physical condition and able to perform heavy lifting. Regular Cornell employees only. Send employee transfer application to Esther Smith, Staffing Services, EHP.

### General Service-Part Time

**Security Guard, GR1 (G4903)**

**Johnson Museum-Endowed  
Hiring Rate: \$6.44  
Posting Date: 1/17/91**

Responsible for guarding all works of art in the building following security and safety procedures. Available day or evenings for subbing on non-schedule work days and for guarding at special events held in the museum. Days vary approximately 24 hours including evenings hours.

**Requirements:** HS diploma or equivalent. Ability to work with schedules and in a group situation. Background in the security area helpful. Dependable in reporting and attentive to detail necessary. Good communication skills. Ability to communicate well with public. Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

### General Service

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

**Print Machine Operator, S009 (B4103)**

**Campus Services/Print Shop-Endowed  
Hiring Rate: \$8.66  
Posting Date: 10/18/90**

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

**Requirements:** HS diploma. 2 years of job experience in a Graphic Arts production facility with extensive hands-on experience with offset printing presses. Must have excellent attendance record and the ability to work well with others. Send cover letter and resume to Cynthia Smithbower.

### Cooperative Extension

**Extension Specialist**

**Farm Business Management/Wayne County, Alton, NY**

Plan, conduct and evaluate a comprehensive farm business management education program for the commercial dairy, livestock, and field crops industry in Ontario, Seneca, Wayne and Yates counties. As a member of a three person team, cooperates closely with Cornell University faculty, staff, and regional dairy, livestock and field crops advisory committee.

**Requirements:** Bachelor's and Master's in agriculture with a major in farm business management. 2 years directly related experience in Cooperative Extension, teaching, or equivalent related agribusiness field. Course work in computer science, adult education, communications, and marketing desired. Minimum Salary: \$28,000 commensurate with qualifications. Apply by February 21, 1991. Contact: Richard Tenney, Cornell University, 365 Roberts Hall, Ithaca NY, 14853-5901.

### 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.

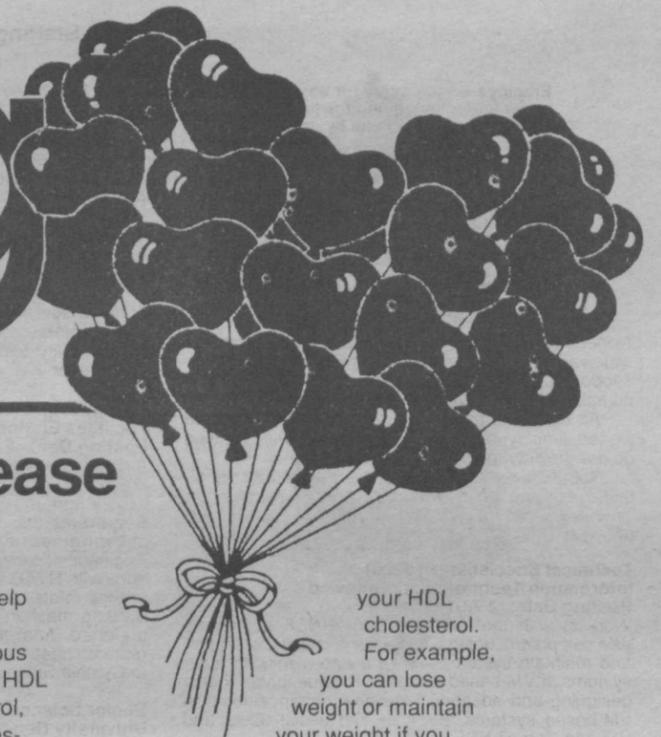
Mail subscriptions available US delivery third class mail at: \$12.00 for 3 months; \$24.00 for 6 months; or \$48.00 for 12 months. Make checks payable to: Staffing Services Subscription, 160 Day Hall, Cornell University, Ithaca, NY 14853.

**Editors:** Nancy Doolittle, Carolyn McPherson  
**Page Layout:** Cheryl Seland, Cindy Fitzgerald  
**Photography:** Susan Boedicker, Media Services, Photo Services, Publications  
**Telephone:** Office of Equal Opportunity (607) 255-3976  
Office of Human Resources (607) 255-3936

**EQUAL**  
Opportunity at Cornell

# Networking

AN EMPLOYEE NEWSPAPER BY EMPLOYEE VOLUNTEERS FOR THE CORNELL COMMUNITY WORLD WIDE.



## TIPS FROM THE FIELD: Alcohol and Heart Disease

Source: *Mayo Clinic Nutrition Letter* January 1991

"Think before you drink" has always been sound advice. The effects of alcohol abuse - on health, relationships, jobs and finances - are well-known.

But what about "moderate" drinking? And what about the reports you hear that alcohol might prevent heart disease?

Our analysis: Alcohol is not a medication. Drinking alcohol is not an effective method to protect your cardiovascular system.

Effects on The Heart: Beginning in the early 1980s, respected medical journals announced an unusual finding. Alcohol, long considered a band to health or at best a substance only to be tolerated, was reported to help protect the heart.

Some studies showed that people who drank alcohol - but who were not alcoholics - were less likely to have atherosclerosis (deposits of fatty substances within the arteries that are associated with heart attacks). This

beneficial effect seems to involve the chemical properties of alcohol itself, and not the ingredients of any particular beverage.

Experts theorized that moderate consumption of alcohol may enhance the production of high density lipoprotein (HDL) cholesterol. This so-called good cholesterol helps protect against coronary artery disease.

But don't rush out for a drink. The classic toast, "to your health," is not the same as a doctor's prescription. Researchers now identify these qualifying factors:

1. Although alcohol may raise HDL cholesterol, moderate use of alcohol might only be a "marker" of a lifestyle that includes other habits such as effective stress management and good nutrition. Individuals who fit this profile are less apt to have heart disease.

2. Even though alcohol does help raise HDL cholesterol, the problem centers on the various types of cholesterol. Just as HDL is part of your total cholesterol, scientists classify HDL cholesterol into several factors: HDL-2, HDL-3, etc. Alcohol intake seems to raise HDL-3 cholesterol. However, HDL-3 plays no proven role in safeguarding your heart.

3. The amount of alcohol that is claimed to raise HDL is worrisome: upward of 4 1/2 ounces (three jiggers) of 80 proof liquor, or four glasses of wine, or 3 beers everyday. At this level of intake, you become vulnerable to developing alcoholism and other alcohol-related health problems, including heart and liver damage. There are safer and more effective ways to raise

your HDL cholesterol. For example, you can lose weight or maintain your weight if you already are trim. You can begin an exercise program. Your doctor may prescribe a medication.

Remember: Alcohol itself is a drug that interacts dangerously with many medications. In particular, cardiac medications are frequently incompatible with alcohol. There is a big difference between suggesting that alcohol increases HDL cholesterol and proving that alcohol prevents heart disease and increases life expectancy. The proof doesn't exist.

The hazards of indulging in three or more alcoholic drinks a day - whatever the source - outweigh any potential benefit.

## February is Heart ♥ Month!

Cornell Wellness Program Updates

American Heart Association will be sponsoring the following events:

Heart Ball - Saturday, February 16th, 8:00 p.m. - Midnight - Center Ithaca - Featuring Joe Salzano's Big Band and Heart Healthy Food, Tickets available through the Wellness office. Tickets available through the Wellness office. \$12.50 per person. Call 255-3703 for further information.

Circulate Your Heart:

Saturday, February 23, 10:00 - 2:00 p.m., - Helen Newman Hall, Cornell Campus. Join us for an hour of fun with our indoor circuit workout session led by experienced instructors. People will be organized in ability groups spending ten minutes at each of the six stations including: Exercise Bicycles, Relay Races, Step Box Aerobics, New Games, Low Impact Aerobics and Toner-cise with Exercise Tubes. This is a fund raising event. Minimum donation to participate is \$20. All participants will receive a warm, unique sweatshirt, snacks by Cafe Decadence and prizes for money raised.

Free supervised Heart-Smart activities for children up to 10 years old. Over 10 years option to participate in gym which requires the same minimum donation of \$20.00 as adults.

### Schedule of Events

10:00-10:30	Registration
10:00-11:00	Group Warm Up
11:00-12:00	Circuit Hour
12:15- 1:00	Pool Activities
1:00- 2:00	Enjoy a Snack
1:30	Awards
2:00	Bowling (extra charge)

## ♥ Feelin' Fine Program ♥

Cornell University Will Sponsor

Developed by the American Heart Association

Thursday, February 21, 1991 ♥ 12:30 - 1:15 p.m. Helen Newman Lounge

Thousands of Americans die each year from strokes and heart attacks brought on by high blood pressure. Yet many of those deaths are needless because high blood pressure generally can be controlled. Nearly half of all people 60 and over have high blood pressure. Many do not know that they even have it. Still more who are diagnosed fail to follow their doctor-prescribed treatment plans. These people daily run a risk of suffering strokes, heart attacks, and other serious disorders. Even if you are not within the high risk age (50 and over), this seminar would provide information to prevent this from happening to you. Free blood pressure screenings will also be available from the Wellness staff and nurses from the Health Department.

## Massage - Knead to Relax?

### Massage offers Psychological and Physical Benefits

source: *Mayo Clinic Nutrition Letter*

Massage has come out of the parlor. For years, getting a rub-down belonged to pampered life styles or questionable practices. No more.

Terms such as masseur and masseuse are out. Today's practitioners are massage therapists. They bring the message of massage to health clubs, shopping malls, offices and sporting events, and even target tired travelers at the nation's airports.

Massage is the kneading, manipulation or application of pressure and friction to the body. A massage therapist uses a sequence of various strokes on the soft tissues of your body - the skin, muscles, tendons and ligaments.

Getting rubbed the right way is increasingly popular. Just don't get carried away. You need a delicate touch to separate help from hype.

**New uses for an ancient art** - "The physician must be experienced in many things, but assuredly in rubbing," advised Hypocrites nearly 2,500 years ago.

America's current awareness of massage stems in part from our interest in Eastern culture, ranging from food to meditation techniques. Eastern European sports teams, for example, often travel with both a physician and a massage practitioner.

Many U.S. athletes welcome this kind of "hands-on" approach as an alternative to high-tech methods of training and rehabilitation. The U.S. Olympic Committee has made massages available to American competitors in recent Olympic Games.

Massage is popular with the public, too. If you have joined the fitness boom, you are making more physical demands

upon yourself - and probably paying closer attention to the needs of your body.

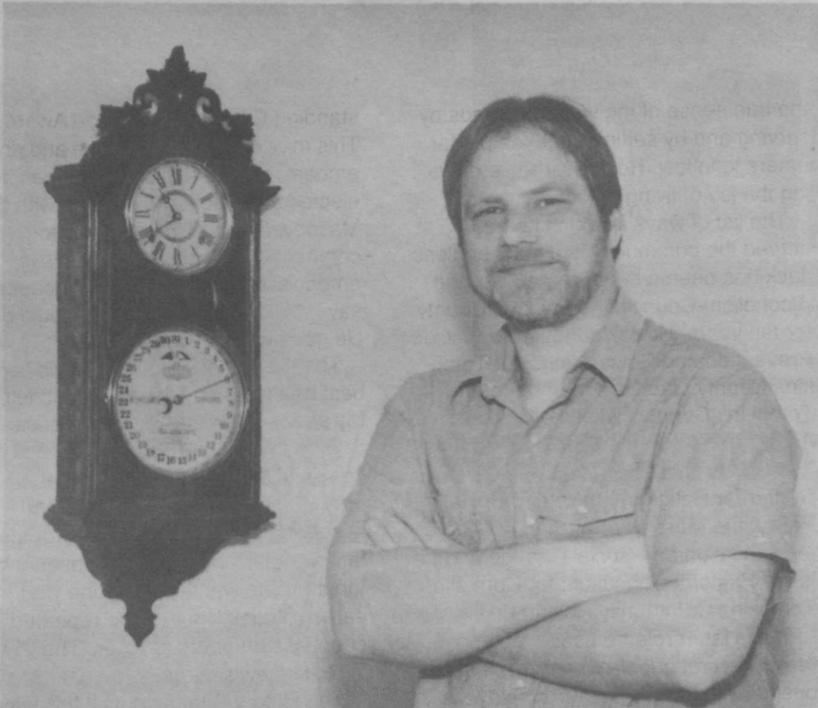
**What can you expect?** - Massage therapists use many different techniques. A striking motion with fingers and the flat of the hand brings pressure to muscles. Kneading motions roll and compress muscles. Circular stroking with the fingertips uses friction to relax muscles, while forceful manipulation such as tapping and hacking can stimulate muscles. Massage can offer these benefits: **Psychological** - Relaxation flows from a properly conducted massage. Instead of a coffee break, some companies now offer a tactile time out, in which a massage therapist erases the tension that accumulates under blue and white collars. Sessions last about ten minutes, and both parties remain fully clothed.

**Therapeutic** - Some orthopedists, physical therapists and osteopaths use massage for rehabilitation after injury to joints or soft tissue. Massage is most effective in conjunction with other treatments such as cryotherapy (treatment with ice) and ultrasound. Massage can help reduce muscle tension, relieve swelling and prevent soreness.

**Circulatory** - Massage can help alleviate muscle cramps by improving blood flow. Enhanced circulation helps speed the recovery of strained muscles; massage can warm your skin and perhaps enhance the delivery of nutrients to the massaged area.

continued on page 2

## EMPLOYEES AFTER HOURS



Michael Porter

As I walked into the office where this interview was to take place, I sense a peaceful tranquility about me. The quiet ticking of a beautiful Ithaca Calendar clock set the mood for the perfect start of conversation that I had with Michael Porter, this week's Employee After Hours.

Michael has been with the University for over two years working at Willard Straight Hall. His love of building Ithaca Calendar Clocks goes back to his high school years. "I have always enjoyed the challenge of taking apart and putting back together these clocks. The satisfaction I obtain from seeing them run—and keep running—is worth the many hours I spend with them."

The Ithaca Calendar Clock Company started in Ithaca in 1865. The company produced many of these clocks, but bankruptcy ended their clock production in 1917. Michael is known in the area of being able to continue on with a long-lost tradition. He spends many hours with these clocks, and obtains great satisfaction with the results of his labor.

In 1980, Michael met a person that was making different parts and pieces for different models of Ithaca Calendar Clocks. They decided to start a partnership to do "the whole clock" taking the name of Ithaca Calendar Clocks Co., Inc.. Once the business took off, it was a lot more than they ever dreamed of. "The

cost to manufacture a product from scratch and also market and mass-produce was beyond our reach. We kept the partnership going until 1986, at which time Michael became sole-owner, then dissolved the partnership."

After a having various business locations in Ithaca, Michael decided to move the business home and get out of the retail end of selling other manufacturer's lines of clocks and to retail only his own. "I wanted to produce a clock that would last many, many years. The mass production was so poor in those other clocks that it just cost too much to keep it going. I want to make a unique clock that will last for a couple hundred years—not a couple of years." So now, part of his dream has come true.

Michael is custom-making Ithaca Calendar Clocks at home—in his spare time. When I asked him how long it takes to build a clock, Michael said, "depending on the model, it can take two months or more." What if one wanted a beautiful grandfather clock? How many months does that take? A smile crosses over his face and he stated "many!" "If I spent all of my nights and weekends on building a grandfather clock, it would take eight months or more. It isn't as simple or easy as it sounds. I have to work building new clocks in with the steady stream of repair work that I currently have now."

Another vein that Michael is into is mail order for clock repair. He really enjoys this segment much, much more. Why? "Because it's a challenge! I love to take a clock that hasn't been working properly, tear it down, clean each part, and put each part back in its proper place. When I see the clock working properly, that really makes my day! All

the hard work and time spent is worth it!"

The average cost of a Ithaca Calendar Clock is around \$1,000. These clocks will last over 100 years if the owner takes good care of it, by getting it cleaned regularly and taking great pains to see that it does not get damaged by dropping or mishandling it. The old Ithaca Calendar Clock Company had shipped clocks worldwide in 16 different languages, too! The calendar section is a separate movement. Michael makes these calendar movements himself, as well as developing movements for the upper working portion of the clock. There are two separate movements in the clock itself. Over 40 pieces are housed in the time movement of the clock itself!

Michael hopes to repair and make Ithaca Calendar Clocks on a full-time basis sometime in the near future. His home on Route 13 in the Town of Dryden is overflowing with various makes and models of the Ithaca Calendar Clocks. Uris Hall has a Number 1 Regulator Ithaca Calendar clock. This particular clock is over 4 feet tall, 2 feet wide with 12 dials.

Local author and freelance writer Rebecca Piirto, wrote an aspiring article about Michael in the May/June 1989 issue of *New York Alive*. She said "to every clock he touches, Porter (Michael) adds his pencil marks, so he becomes a part of the continuum of that clock's past." This is usually done on the back of the clock to show the repair record of the clock.

With Michael's perseverance and knowledge, I believe that he will be a part of an Ithaca Calendar Clock tradition.

Photo by Doug Hicks

### Free Blood Pressure Clinics

Tompkins County Health Department and Cornell University offer you the opportunity to find out, free of charge, what your blood pressure is. We encourage you to walk in to any of clinic locations listed below.

February 19	Veterinary College Hagen Room	9:00 a.m. - 12:30 p.m. 1:30 p.m. - 3:30 p.m.
February 26	Athletics Hall of Fame Room	10:00 a.m. - Noon
February 28	Laboratory of Ornithology Fuentes Room	9:30 a.m. - Noon
February 28	East Hill Plaza Conference Room	1:30 p.m. - 4:00 p.m.

### "Captured For A Cure"

by Toni Paglia

Cystic fibrosis is the number one genetic killer of children and young adults. This fatal disease causes the body to produce a thick, sticky mucus which clogs the lungs and interferes with digestion. One in 20 Americans - more than 12 million people carry the gene that causes CF. Although scientists recently discovered the CF gene - the Foundation's biggest breakthrough in 36 years - there still is no cure.

"Captured for a Cure" is a 1920's style event. Business and community willingly agree to be captured for one hour to raise funds for cystic fibrosis care and research centers. Local college students, dressed as flappers and

gangsters, escort participants in a limousine from their place of employment to the local hide-out. There, they are provided with refreshments and spend one hour phoning family, friends, neighbors, and associates to raise \$450.00 to fund their release. After one hour of their time, they are escorted back to work.

"Capture for a Cure" will take place on March 5th and 6th from 9:00 a.m. to 5:00 p.m. at the Sheraton Inn, One Sheraton Drive, Ithaca, New York. Anyone in the Ithaca area who would like to donate one hour of their time can call the Cystic Fibrosis Foundation at 1-800-962-6578.

### Cornell University Policy on AIDS

The following recommendations of the Board of University Health to the University Assembly regarding the Campus Policy on AIDS (passed and approved by the Assembly, spring 1986).

Current knowledge indicates that students or employees with AIDS or a positive HIV antibody test do not pose a risk to other students or employees in an academic setting. The Public Health Service states that there is no risk created by living in the same house as an infected person; caring for an AIDS patient; eating food handled by an infected person; being coughed or sneezed upon by an infected person; casual kissing or sitting in a pool with an infected person. Consequently, there is no evidence to support the existence of a risk to those sharing residence halls and athletic or campus facilities with infected individuals.

In some circumstances, however, there may be reasonable concern for the health of those with AIDS who might be exposed to certain contagious diseases (e.g., measles or chicken pox) in a close living situation. Therefore, although each case should be considered individually, there should be no restrictions with respect to AIDS placed on students, employees, or faculty in terms of their ability to work, study, or take part in extracurricular activities on campus.

The university is commended for its current educational efforts and should continue and extend those endeavors aimed at governing boards, academic and staff leaders, professional and peer counseling staff, new students and staff, and the general campus community.

### Massage: Knead to Relax?

continued from page 1

By stretching your tendons, massage can help prepare you for vigorous activity. The pressure of massage can "crowd out" some pain impulses from a minor injury.

**But here's the rub** - Unfortunately some proponents of massage have exaggerated its value.

Massage may help increase your flexibility and coordination, but there is no evidence that it dramatically improves your athletic performance.

Some forms of massage can be painful. They include deep frictional massage, which pushes a muscle

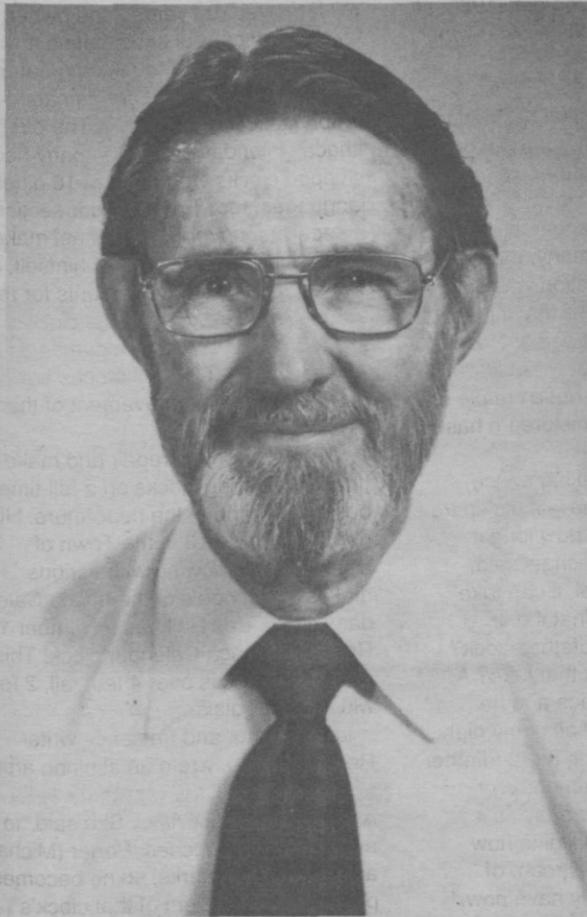
against a bone. Other techniques use vigorous gestures to "realign" your neck or shoulders.

Some people should not receive massages. The techniques is not appropriate if you have an infection or a circulatory, skin or heart problem. The same holds true if you have open ulcerations, a problem with blood clots, rheumatoid arthritis, cancer or a possible fracture.

If you have been injured, seek medical assistance instead of relying exclusively on massage.

# CORNELL RETIREE ASSOCIATION: The Reverend W. Jack Lewis – Friend

by George Peter



Jack Lewis is an ordained Presbyterian, but the first time I met him (in the early sixties) was in the First Baptist

Church of Ithaca. What was Jack doing preaching in a Baptist Church? He says, "I think of myself as a generic pastor". That pretty well sums up his philosophy and his being. He doesn't consider himself a "brand name clergyman". Jack feels that he has been, "set free of denominational bias". He says, "I've moved beyond any notion I had to convert people to Presbyterianism. . . I'm able to relate to Jews, Catholics, agnostics and atheists. . . I call it an emancipation".

The Rev. Jack Lewis has been pastor, counselor, friend, humanitarian, benefactor, and "one man social service agency" for untold numbers of people of every denomination, race creed and color in the Ithaca area.

To me he is even more than all of these things. Jack Lewis is the epitome of LEADERSHIP. This column could very well be called "Leadership Leads". Jack continues to be a leader in

the true sense of the word. He leads by serving and by setting the example for others to follow. He does it while exuding the joy of living.

The list of ways in which he has served the community is almost endless. Jack has been a board member of the Alcoholism Council of Tompkins County for ten years. He co-founded the Suicide Prevention and Crisis Service of Tompkins County. Jack is a member of the Tompkins County Religious Workers' Assoc., the Nat'l Assn. for the Coordination of University Religious Affairs, The Center for Religion, Ethics and Social Policy, the Martin Luther King Jr. Assoc. for Education and Social Change and he is the Pastoral Consultant for Cornell at Tompkins Community Hospital.

In this latter role he heads a committee of several people who make it their business to call on Cornell employees and retirees who are at the hospital. But in his normal capacity as a friend to all, Jack seems to call on anyone who needs someone to listen. Jack listens with caring, with compassion and with love.

The list of awards that Jack has received is as impressive as the service he has rendered and continues to render. He is the recipient of the Agda S. Osborn Award for "exemplary service and dedication. . .". In 1990 Jack received the Ruth Pettingill Award and in 1987 he was presented a Citation from Ithaca-Cayuga Rotary. It was the Out-

standing Community Service Award. This may come as a surprise and an embarrassment to him, but he has been elected to be honored in Sept. with the Masonic Dewitt Clinton Award for community service. Jack always is embarrassed to be honored because he says, "I've only done what I should do". He goes way beyond that.

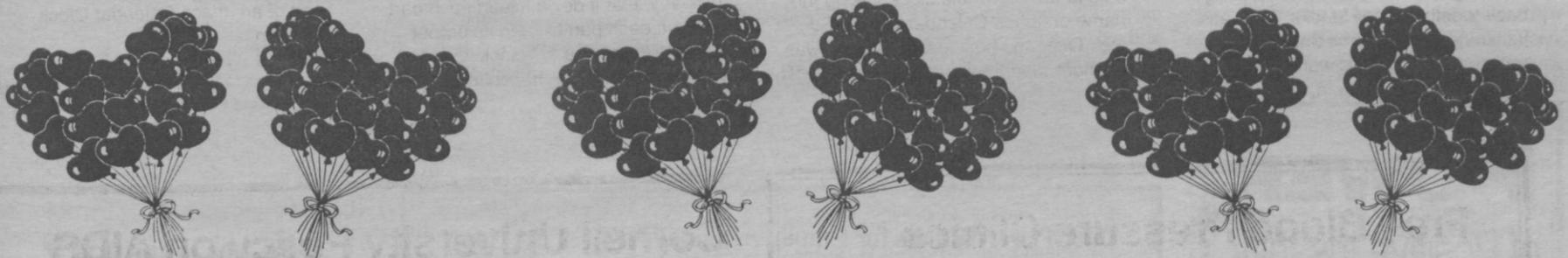
The life of the Rev. Jack Lewis can best be defined by this true anecdote: My sister-in-law was dying of cancer. She had no connection with Cornell but he would stop in to comfort her and to pray with her. Before she died, she asked me if it would be proper for the family to ask Jack Lewis to conduct her funeral. She wanted someone who cared. Stories like that are repeated countless numbers of times. The Rev. W. Jack Lewis cares.

The Rotary Citation puts it this way, "You've got a heart bigger than your beloved Texas".

Jack Lewis retired from Cornell in 1981. What this means is that he stopped receiving a salary from Cornell. He continues to do a whole lot more than anyone expects one person to do. He does it with and for love.

His great reward is that the whole community loves him.

Photo by Doug Hicks



## EMPLOYEE ASSISTANCE PROGRAM

### Children and Loss

The way children approach and cope with death greatly influences their approach to life. Since death and loss can be so difficult, fearful, and painful, we sometimes try to avoid coping with it. However, some experts believe that early life experiences with death of a significant loved one, if not resolved adequately, can lead to emotional and relationship problems later on. It is therefore particularly important to help children describe and work through their feelings about death. When the child's reaction to death is handled with warm, compassionate understanding, the child has the opportunity to learn from the experience and apply that learning to his or her life.

The child's first emotional response to hearing about the death of a loved one may be disbelief and an immediate return to play. Allowing time for the child to absorb the reality of what has happened may be helpful. Immediate impacts of bereavement are a sense of abandonment, shock, and denial, colored by guilt, anger, fear and a sense of loss and grief. The young child often believes that wishes can make things happen, and may therefore feel guilty, or in some way responsible for the death. By understanding normal reactions to death, the parent and the child may be better able to cope with the experience.

A sudden death evokes more difficulty in coping. The child should be reassured that his or her needs will continue to be

met. Consistency allows the child stability, and time to absorb what has happened, while the child's continue to be fulfilled. Additionally, seeking out pictures and mementos, and talking about times together may help the child. Children need to remember loved ones. Having someone available to discuss feelings over a loss can be helpful.

A child should not be sent away because of a death in the family, but should be included so that grief may be shared. There is considerable disagreement regarding the age at which a child is old enough to attend a funeral. In preparation, a child should be told what will be seen and heard, how people will act, and what behaviors are expected. If the child feels unable to handle the situation, the he or she should not be forced to attend. The funeral ritual can be of benefit as a concrete, realistic experience to signify the final separation.

Dealing directly and compassionately with our children's feelings about death can open the way for a rich and meaningful life for ourselves and our children. If you or your family are having difficulty coping with loss and change in your life, please call up and make an appointment to speak to one of our trained counselors at the Employee Assistance Program. Our phone number is 273-1129.

For My Brother Rick, With Love

### Appreciation and Pride

by Mary Beth Lombard

It's very easy to get lost these days, between over-concern and no concern at all. The sun shining can easily make us forget for a moment, when listening to the news can quickly put life back into perspective. It is just as important, however, to remember from time to time, as it is to let go of what we cannot change.

When you were on your way to work this morning,  
Did you notice the moon?  
It was so bright, so perfectly silent. . .  
. . .so willing to show its' light  
until the sun found its' way to brighten our lives.  
Not to forget, for a moment, but to learn appreciation. . .

When you go to bed tonight, and concerns make you restless,  
Listen for a moment. . .  
Consciously hear the silence, feel the calmness around you. . .  
. . .offering safety and security through the night.  
The comfort of your bed, the warmth of your blanket;  
Not to forget, for a moment, but to learn appreciation. . .

Take a look into the sky at night when the stars are out.  
Notice the beauty and stillness of their promise. . .  
A star could look threatening when flaring at you. . .  
Thunder can be frightening when it abounds around you. . .  
Lightening can enhance the shadows that fill your walls. . .  
To us it is simply another storm. To others, evil intention.  
Not to forget, for a moment, but to learn appreciation. . .  
. . .and not take for granted, what can so easily  
be taken away, or destroyed.

"When life is at its' most difficult and trying times, take a deep breath and know that this too will end."

(Lt. Col. Richard J. Haupt, stationed in Dhahran, Saudi Arabia)

## UNCLASSIFIED ADS

### For Sale

**Holiday Cottage Mobile Home**, located in Newfield. 14x70 with 12x12 factory installed add-on room. 10x14 sunroom, central air shingled roof, aluminum house siding in slate blue, hot water baseboard heat, wooden storage shed, 3 bedrooms, built-in hutch in dining room, and dresser unit in master bedroom. Situated on a large corner double lot. Please call Judy at 253-3325 or 272-2416.

**Double-Wide Mobile Home**, 1987 model Skyline, 24x48 with slate blue siding. Upgraded hardware on cabinets, natural gas, W/D, refrig., stove, outside faucets, & elec. outlets, 2 full baths, 2 bedrooms, den, woodstove, awning over entry, 8'x6' steel storage building, lots of storage space. In Varna. One mile from Vet school, on bus routes. Asking \$35,000. Must sell - I am moving! Please call Kathy 255-5439 or 272-0103.

**5-Shelf Bookshelf** - (\$10); TV cart (\$5); Beta VCR, 6 tapes (\$75); DYN model record player, with AM/FM radio, and hugh speakers (\$50); 36" round dining room table with leaf and chairs, all wood (\$100); 50" wood coffee table (\$25); 2 lamps/shades (\$15 ea.); 2 end tables (\$15 & \$10); bedroom set includes dbl. bed, springs, mattress, night stand, chest of drawers, all light colored wood

(\$150); 5-drawer vanity with round mirror, brass-looking chair and pillow (\$40); 41" collapseable castorball table (old) (\$20); call Kathy 255-5439 (days) or 272-0103 (evenings). Must sell moving!

**Obermeyer Ski Suit** - ladies size 10. One piece - color - eucalyptus - New suggested retail price \$180, asking \$90. Please call 255-4432 after 3:00 p.m.

**COMPAQ Desk Top Computer**, IBM-XT compatible. Dual floppy - excellent condition. \$300. Please call Chris at 277-4551 in the evenings.

**Desk and Chair**, Attractive enough for your living room. Simulated oak finish. Two drawers. Matching hutch that sits across the back of the desk with shelves for computer/printer/books. One year old. Excellent condition. Asking \$150., Typist chair with adjustable height/castors/swivels. \$65.00. Will sell chair and desk separately. Please call Liz at 257-5567 evenings.

**New Queen Size** - box springs. Must sell because it doesn't fit up our stairway! \$150. Please call Monica at 255-4952 days.

**Francis Bacon Upright Piano** - Recently reconditioned and tuned. Will deliver. \$750.00. Please call 255-5274 (days) or 539-7632 (evenings).

**Golden Retriever Puppies** - Champion lines. Great dispositions. Hips and eyes of parents good. \$350. Please contact Sarah at 255-2230 (days) or 273-4208 (evenings).

**Bunk Bed Set** - excellent condition and construction, \$180.00 Leicaflex camera, div. lenses, best offer. Please call 272-5910.

**Refrigerator/Freezer** - 16 cubic feet, GE, Almond \$50; Microwave - 700 watt Amana w/oak cabinet 36hx32wx20d - \$100 or all for \$125. Please call 387-6717 after 5:30 p.m.

### For Rent

**Spring Term** - Two to three bedroom cottage on Cayuga Lake. Walking distance to Meyer's Park. Private beach. No pets. \$450 per month plus utilities. Please call Betty at 272-7071

**Beautiful Four Bedroom** - furnished house in the country. Fireplace, woodstove, washer, dryer, dishwasher, microwave, two car garage, deck, large yard, private setting and five minutes from Cornell. Family, graduate students or employees preferred. \$750 plus utilities. Available June or September 1991. Please call 277-2228.

### Needed/Wanted

**A Camp Fire Club** is meeting in your area! School-aged (K-6) boys and girls in Tompkins County are making new friends, enjoying the out of doors, having new adventures and most of all having fun. Would you like your children to enjoy Camp Fire? Just call us and talk to Lynne about the Camp Fire Club in your area, 273-3223. A United Way Agency.

**Adult Volunteers**, needed to co-lead Clubs. **Camp Fire Boys and Girls** is looking for adults who want to spend one to two hours a week with kids sharing new experiences and having fun. The Club usually meets once a week for about an hour and works on projects of interest to the members. This is a great opportunity for any adult who wants to spend some valuable time with children and have lots of fun doing it! Call Lynne at 273-3223. A United Way Agency.

### Support Group

**Gulf Crisis Support Group** - for students to meet on Wednesdays from 3:30 p.m. to 5:00 p.m. If interested please call 255-5208 for further information.

## Big Brother/Big Sister Volunteers Needed

The One-To-One Program is now seeking volunteer Big Sisters and Brothers for the spring semester. Right now there is a special need for men, people of color, and people who would like to work with a teen.

Big Sibs must spend at least three hours each week with their Little Sibs. Volunteers are required to attend an initial training session (one day), and a workshop on saying good-bye toward

the end of the match. Volunteers should also expect to meet with us on a regular basis for supervision.

If you need more information or would like one of us to come talk with your group about the program, please give us a call.

Volunteers can get in touch with us by calling the Youth Bureau at 273-8364 and asking for One-to-One.

## CRC Membership News

Susan Hollern

Here is a great way to "save" for that special trip or event the CRC is planning for you!

Right now, you can open a "vacation account" with the Cornell Federal Credit Union. Once you have established that account, you can fill out a payroll deduction card at the same time and have \$10, \$15 or what ever amount you specify, put directly in your vacation account! It's that simple!

**With this account, you can:**

- Withdraw funds for your yearly CRC Membership Fee!
- Withdraw funds for that special trip you've dreamed of!
- Go on a well-deserved shopping spree!
- Be assured that money is there via payroll deduction!

For more information, call the Cornell Federal Credit Union today. Their number is 255-4382.

## POWER of Positive Insanity

The second annual "Power of Positive Insanity" program will take place on **Wednesday, March 13** at the Statler Auditorium from 4:45 - 6:15 p.m. Don't miss this humor workshop. Reduce your stress for free! Look for more information in the next issue of *Networking* or call the Wellness Program at 255-3886.

## Networking

Published bi-weekly from August through May, *Networking* is distributed free of charge to Cornell University staff and faculty. An employee newspaper by employee volunteers for the Cornell community world wide. *Networking* is always looking for interested employees that want to get involved! Come and join us... you will discover talents you never knew you had.

*Networking board members:*

Bernadine Aldwinckle  
John Bender  
Maureen Brull  
Sabrina Cuttler  
Susan Hollern  
Kathy O'Brien  
George Peter  
Theresa Pollard  
Theresa VanDerhorn  
Judy VanDermark  
Dominic Versage

**CORNELL**  
UNIVERSITY

### Door Prize Winners for Employee/Family Night at the Court

- **Dinner for two at the Big Red Bull** - Statler Hotel - Kim C. Johnson
- **\$25 Gift Certificate** - Campus Store - Bob Langhans
- **Embroidered pot holder and linen towel** - Pomology - Bob Gabriel
- **Flight bag and model plane** - Travel Office - Ginny Langhans
- **One year free membership** - CRC - Jan Batzer
- **Season tickets for Lacrosse** - Athletics - Janet Boodley, Al Jenkins
- **Two lanes for two hours** - Helen Newman Bowling Alley - Pat Dyess
- **Eight Tickets** - Cornell Cinema - Kim Drumheller, Karl Slaven
- **Two tickets for "Noises Off," a British comedy** - Theatre Arts - William Gardner
- **Flower arrangement** - Floriculture & Ornamental Horticulture - Peggy Spofford
- **Birds of North America** - Ornithology - Loretta Hope
- **"Songs of Cornell" by the Cornell Glee Club** - Music Department - Harvey Wilkin
- **Two T-shirts** - Bailey Concert Series - Music Department - Cesar Martinez, Minda Brown
- **Companion 4 speaker phone** - Telecommunications - David Corbin
- **Tote bag and books: A Wildflower Garden Guide and An Herb Garden Companion** - Cornell Plantations - C. Wittmer

## LEADERSHIP LEADS

by George Peter

The world's problems may best be defined by this one sentence:

*"It is always easier to hate something than it is to understand it."*

