

# CORNELL Chronicle

Volume 22 Number 27 April 4, 1991

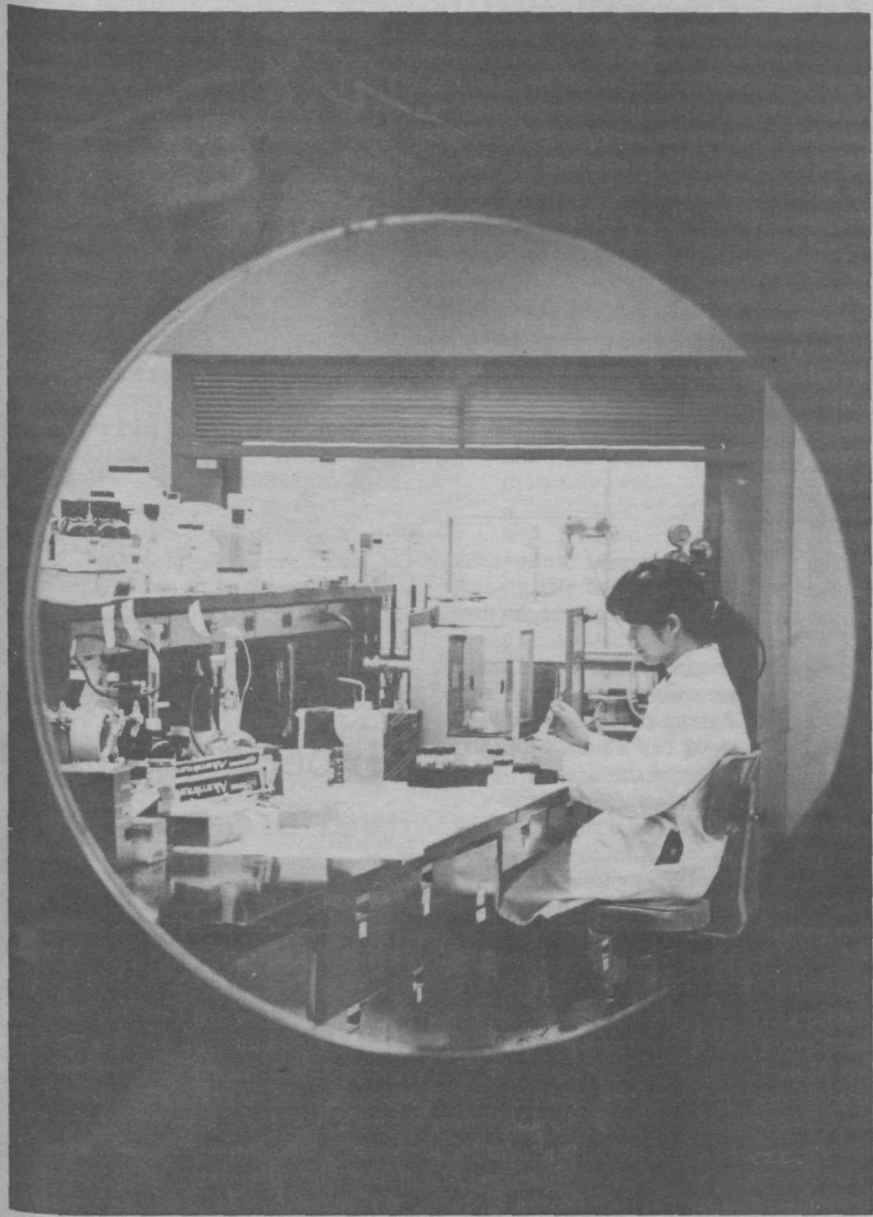
Reporter's Notes On  
Dalai Lama's Visit

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Supplement

Inside

## Zeroing in



Bruce Wang

Boyce Thompson Institute research assistant Jiali Xie prepares a sample for studying fungal toxins that may have uses as pesticides.

## CU to install campuswide fiber-optic data network

In one of the most extensive such university projects in the country, Cornell will install an IBM-based, high-speed optical-fiber communications network for transmitting data throughout campus.

The initial deployment will constitute a 100-megabit-per-second network that could transmit the text of an encyclopedia in 10 seconds, said Cornell Vice President for Information Technologies M. Stuart Lynn.

The \$5.9-million capital investment will be shared between IBM and Cornell and will include \$2.8 million in donated equipment and support from IBM. A project is now under way to lay optical-fiber cable to 105 campus buildings, including offices, laboratories and student residence halls. As applications that exploit the network are developed, it will ultimately allow Cornell students and faculty to tap into supercomputers and digital libraries and to send and receive entire books, computer graphics, video displays, massive amounts of data and mathematical computer models throughout campus and over national high-speed networks to other institutions.

The network could also allow users to link widely separate computers into coordinated systems that would divide large problems into parts to be solved simultaneously. Administrators could also integrate data from throughout campus to better manage the complexities of running a university, said Lynn.

"In essence, we're building a data superhighway system in anticipation of the immense flow of traffic we expect over the next decade," said Lynn. "We want to make sure that the campus network will not be the bottleneck preventing the most creative uses of computers for education and research." Such high-speed networks are critically important if universities are to benefit from advanced national computer networks, such as the National Research and Educational Network, planned for the next decade, said Lynn.

"The network project is just the latest in a long series of strategic Cornell-IBM projects. We very much appreciate IBM's efforts to help Cornell lead in this vital technology," said Lynn. IBM is also a lead partner in the Theory Center — Cornell's national supercomputer center — and in projects to enhance the use of computer work stations and mass data-storage in science and engineering.

Said Ellen Hancock, IBM vice president and general manager of communication systems, "This project underscores the long-term value that Cornell has brought to IBM's networking mission in testing, evaluating and exploring new networking solutions. We are very happy to participate with Cornell in helping to establish their 'data superhighway system' on campus."

Work has begun to lay the 28.9 miles of cable for the project. Each cable carries 16 fiber strands, so a total of about 462 miles of fiber will be installed. The entire fiber project should be largely completed by the middle of this year, said Cornell's director of network resources, H. David Lambert, whose unit is managing the project. IBM's National Service Division is installing the cable under contract to Cornell.

According to Lambert, the Cornell optical-fiber network will constitute the "backbone" of the campus network and will interconnect individual lower-speed networks throughout campus and provide an interface to national and international networks.

Richard Cogger, network resources assistant director for network technologies, said the project will involve two phases:

- Pulling the fiber through underground ducts and installing routers to implement a campuswide network conforming to the Fiber Distributed Data Interface (FDDI) standard at 100 megabits-per-second.

- Investigating higher speed routers to operate a portion of the fiber at one gigabit, or 1,000 megabits, per second. These su-

*Continued on page 8*

## Learning chemistry's basics from a Nobel Prize winner

A string of Mardi Gras beads, not the Nobel Prize medal, was draped around Roald Hoffmann's neck. The beads were payment, the 1981 Nobel laureate told a lecture hall full of undergraduate students, "for helping run the government."

For the second time that morning, the distinguished scientist was teaching Chemistry 208, the general-chemistry course he has given almost every year since joining the Cornell faculty in 1965.

Nowadays, the class is so popular that it takes two sessions of the Tuesday-Thursday lectures in a 493-seat amphitheater and dozens of 22-student recitation/laboratory sessions to accommodate all who want to learn the quantitative aspects and techniques of chemistry from Hoffmann, who says that teaching helps his research.

"The mind that faces up to the problem of teaching a novice something new and different," he says, "cannot possibly avoid using the same strategies in explaining to itself something still more new, more difficult. Which is what people call research."

Hoffmann had missed the Tuesday lectures that week, and the students' disappointment was barely assuaged when the substitute lecturer, Sandra McGuire, announced that the experiments that day would be performed by "Doctor Demo." Also known as John Terry, the Chemistry Department's director of technical operations, Doctor Demo had prepared a series of fizzing and fuming experiments to illustrate

the interaction of acids and bases.

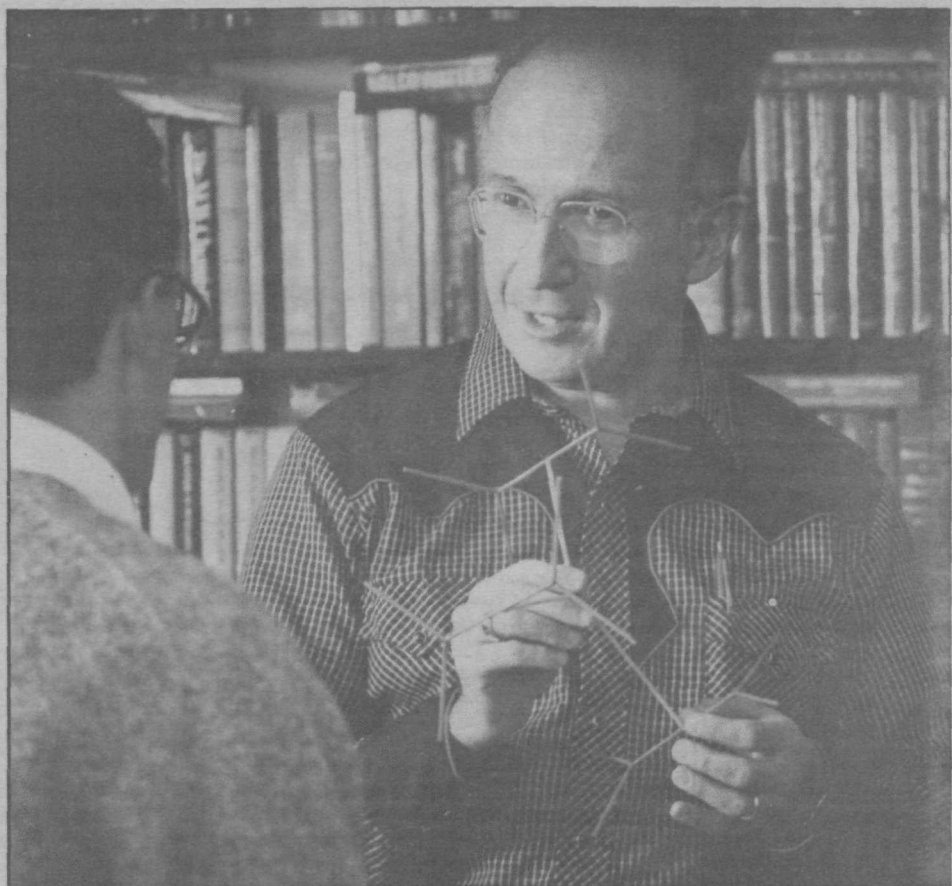
Before the final experiment, which turned white "wine" into red — and back and forth again, again and again for fictional dinner guests who couldn't make up their minds — McGuire had tried to explain Hoffmann's absence.

"Usually when he goes away it is to give a speech or accept an award or something," McGuire said. "But today is Mardi Gras, and Professor Hoffmann may be down on Bourbon Street, enjoying the sunshine and spirits."

Arriving for the Thursday lecture in his usual blue jeans with the rolled-up cuffs, a plaid shirt and sweater vest, and carrying a cup of herbal tea, Hoffmann feigned horror at his substitute's allegation: "Absolutely not true. I was engaged in a task of equal magnitude; I was helping run the government," he said, displaying a handful of plastic beads and a coconut. "That's where I got these." (Hoffmann later confided that he had spent Tuesday with an advisory board of the National Science Foundation and giving a seminar at the University of Maryland.)

Then the bead-clad chemist — who has published two collections of poetry and a volume of essays and has taught chemistry to Public Broadcasting Service audiences through his series, "The World of Chemistry" — launched into the day's lecture, filling the blackboards with complex equations

*Continued on page 8*

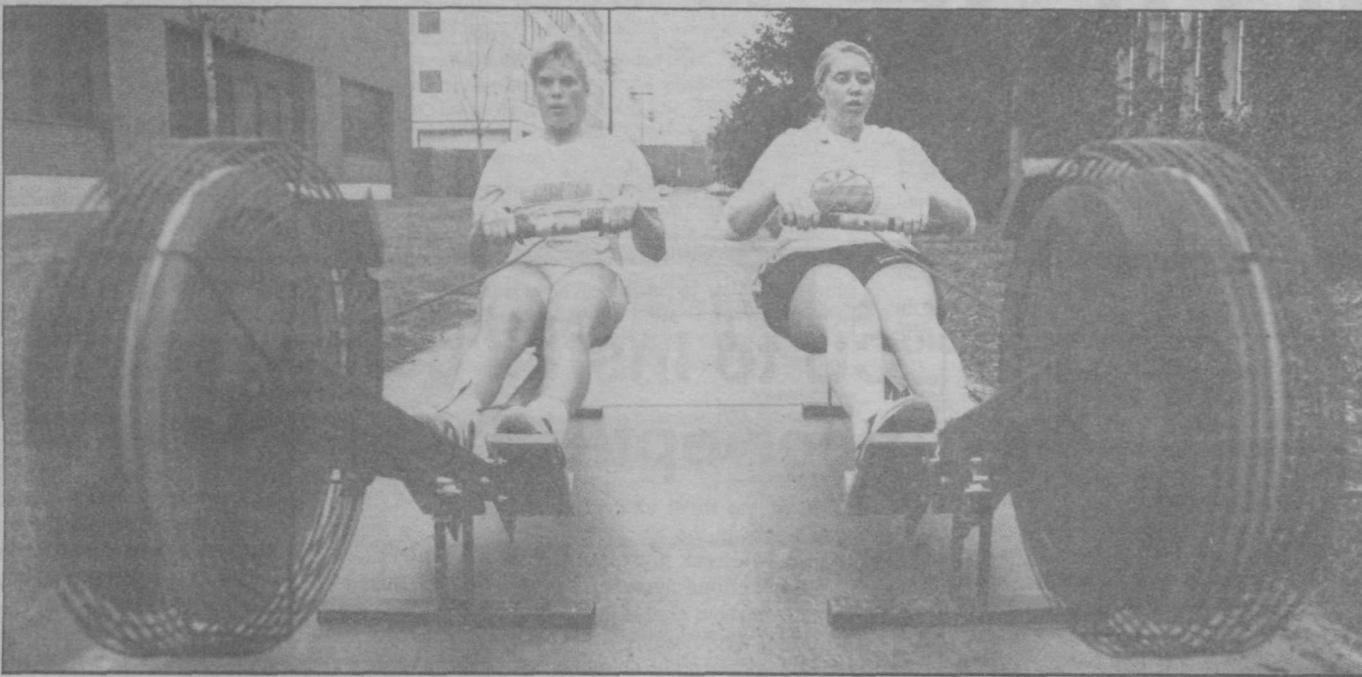


Chris Hildreth

Roald Hoffmann talks with a student.



## Landlocked



Charles Harrington

Women's novice crew team members Laura Nogelo (left) and Gailyn Perrin train for the spring season.

## BRIEFS

■ **Bloodmobile:** The American Red Cross Bloodmobile will visit the Memorial Room of Willard Straight Hall from 10 a.m. to 4 p.m. on Monday, April 8, under the sponsorship of Lambda Chi Alpha. Call 273-1900 to make an appointment; walk-ins are welcome.

■ **Bowling benefit:** The Johnson Graduate School of Management's Volunteer Organization is holding a bowling tournament to benefit the American Cancer Society April 8, 11 and 13 at Helen Newman Hall. The cost is \$5 per person, which includes two games and shoe rental. The tournament will be held in memory of former assistant baseball coach Greg Partigianoni. For more information and to register, call Sam Partigianoni at 255-4200 or stop by the Helen Newman bowling center.

■ **Bernays honored:** The Public Relations Student Society of America here plans to honor Edward L. Bernays, recognized as the "father" of modern public relations, at an awards program April 6. Bernays, a 1912 Cornell graduate, recently was recognized by Life magazine as one of the 100 most important Americans who shaped the 20th century. He is author of the first book on public relations, "Crystallizing Public Opinion," as well as 15 other books. The luncheon, at which Bernays will speak, is open to the public. Tickets are \$12 and can be obtained through today, April 4, by contacting Carol Adomiak in the Department of Communication at 255-2111.

■ **Employee education:** Employees who want to know more about the educational opportunities available to them are invited to attend a brown-bag lunch on Wednesday,

April 10, from noon to 1 p.m. in the Biotechnology Building conference room. Joe Lomax, a senior training associate with Human Resources, will make a presentation and answer questions.

■ **Cornell on TV:** Spring break usually means college students hit the beaches. This year, Appalachia was popular with members of Cornell's Community Unity, who spent their vacation helping community agencies from West Virginia to Ithaca. The "Community Report" television show salutes these and other campus volunteers on Wednesday, April 10, at 7:30 p.m. and again on Tuesday, April 16, at 10:30 p.m. on Cable Channel 7. Also, tour the Wilder Brain Collection in Uris Hall.

■ **Student elections:** Elise Rosenberg, a member of the Class of 1993 majoring in agricultural economics, has been elected as the students' representative on the Board of Trustees. The other winners of student elections and the seats they occupy on the Student Assembly are: Corwin Jacobs, Michael Plochocki and Carol Wasserman, at-large seats; Bryan Schwartz and Adam Silbert, Arts and Sciences; Ira Goldstein and Karl Livergood, Agriculture and Life Sciences; Pankaj Talwar, Engineering; Nancy Richmond, Industrial and Labor Relations; Kenneth Woliner, Human Ecology; Prashant Agrawal and Jacqui Francis, minority at-large; Shinju Fujihira, international at-large; Kesia Tatchell and Christopher Tozzo, Graduate School; and Ted Parkhill, Johnson Graduate School of Management. There were no candidates for the following seats: Architecture, Art and Planning; Hotel Administration; lesbian/gay/bisexual at-large; Law School; and Veterinary

Medicine. Seventeen percent of the undergraduates and 7.3 percent of the graduate students participated in this year's election.

■ **Student interest:** Graduate and undergraduate students who would like to serve on one of four faculty committees with vacancies for 1991-92 can obtain application forms in the offices of the dean of faculty (315 Day Hall) or dean of students (103 Barnes Hall), or at the desks in Willard Straight Hall, Noyes Center and Robert Purcell Union, or at the Information and Referral Center in Day Hall. The vacancies are on the following committees: University Lectures; University Faculty Library Board; University-ROTC Relationships; and the Faculty Committee on Music. The deadline for applications is April 12. Applications for membership on four other faculty committees are available from the Office of the Assemblies (165 Day Hall). They are: Academic Freedom and Professional Status of the Faculty; Academic Programs and Policies; Admissions and Financial Aid; and the Faculty Advisory Committee on Athletics and Physical Education.

■ **CCTS:** Employees who receive Cornell Children's Tuition Scholarships will automatically receive an application for 1991-92. Others who want to request assistance for next year should request an application from the Employee Benefits Office (130 Day Hall), or call Maureen Brull at 255-8487 or Adele Feierstein at 255-7509. The deadline for summer session is May 1; for 1991-92 or fall term only, June 1; for winter or spring term only, Dec. 1. An information session on the program will be held Wednesday, April 10, from 3 to 4:30 p.m. in Room 163 of Day Hall.

## Oxford chemist to talk April 9

John S. Rowlinson, the Dr. Lee's Professor of Physical Chemistry at Oxford University, will give a public lecture entitled "Entropy, Probability and Information" here on Tuesday, April 9, at 4:30 p.m. in Hollis E. Cornell Auditorium of Goldwin Smith Hall.

An internationally recognized authority on the properties and behavior of liquids, Rowlinson will be at Cornell April 8 through 14 as an Andrew D. White Professor-at-Large.

Rowlinson is not an unfamiliar figure on the Cornell campus, having first visited Cornell in the late 1960s and on a number of occasions since. In the late 1960s, Rowlinson and Professor Ben Widom of Cornell's Department of Chemistry developed a theoretical model of liquids that opened an area of research that is still being actively pursued.

Rowlinson's most recent visit to campus was as the Mary Shepard B. Upson Professor of Engineering in 1989. He was elected A.D. White Professor-at-Large in 1990 and will be making his first visit to Cornell in that capacity.

Rowlinson is a fellow of the Royal Society of London and has received many honors and awards.

After receiving his bachelor's, master's and doctorate degrees from Oxford, Rowlinson served as a professor of chemical technology at the Imperial College, University of London, from 1961 to 1973. In 1974 he joined the faculty of Oxford.

Those wishing to see Rowlinson during his office hours at Cornell should contact Sylvia Corbin at 255-8657.

— Martin B. Stiles

## Experts to discuss welfare policy

Two nationally prominent social-policy specialists will join four faculty to debate welfare policies for the 1990s at 4:30 p.m. today, April 4, in Alumni Hall Auditorium in Kennedy Hall.

The visiting experts are:

- Robert Haveman, director of the LaFollette Institute for Public Affairs at the University of Wisconsin. A professor of economics, Haveman is the author of several books and articles on the economics of and public-policy toward poverty, inequality and disadvantaged workers.

- Charles Murray, a research fellow at the American Enterprise Institute. In his book, "Losing Ground: American Social Policy 1950-1980," Murray argues that the social programs of the Great Society to help the poor and disadvantaged not only did not accomplish what they set out to do but often made things worse.

Joining them in "The Welfare Policy Debate" will be these Cornell educators and researchers: Josephine A.V. Allen, associate professor of human service studies; Jennifer Gerner, associate professor of consumer economics and housing; Robert M. Hutchens, professor of industrial and labor relations; and Robert H. Frank, professor of economics.

## Assembly rejects transportation plan

The University Assembly voted 6 to 4 on March 27 to reject a revised traffic plan developed by its Committee on Transportation Services and others.

The plan had been endorsed by the university administration.

The Assembly members who voted against the plan cited as reasons for their opposition a shortage of free A-Lot spaces and the lack of a graduated fee structure requiring higher-paid employees to pay higher parking fees than would lower-paid employees.

The revised plan retained free parking at A Lot for current employees, scaled back parking-fee increases and offered students a cut-rate countywide bus pass, while eliminating the originally proposed cash payments to walkers or bikers.

The Assembly was scheduled to discuss the plan again at its April 3 meeting, according to the Office of the Assemblies.

## CORNELL Chronicle

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

## GRADUATE BULLETIN

■ **Pre-enrollment:** Graduate-student pre-enrollment for fall 1991 courses will continue until April 10. Forms are available at graduate field offices and Sage Graduate Center. Bring completed form to Sage Graduate Center.

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

■ **May degree:** May 17 is the deadline for completing all requirements for a May degree, including submitting the dissertation/thesis to the Graduate School. Professional master's candidates should check with their field regarding the deadline, as that deadline may be earlier than the Graduate School's.



## Cuomo aide Henrik Dullea is named vice president

Henrik N. Dullea, Gov. Cuomo's director of state operations and policy management, will become Cornell's vice president for university relations June 1, President Frank H.T. Rhodes announced this week.

Since Cuomo became governor in 1983, Dullea has been responsible for the day-to-day direction of all 65 state departments and agencies and for policy and programmatic review of all gubernatorial initiatives concerning the legislature and administrative divisions of the state.

"Hank Dullea has had an important influence on the course of my administration," Cuomo said, "and the stamp of his intelligence and dedication can be found on everything we have accomplished."

Dullea succeeds John F. Burness, who left Cornell in January to become a senior vice president at Duke University.

"Hank Dullea's 25 years of senior-level experience in higher education and state government will serve Cornell splendidly in this critical era for American universities," Rhodes said, adding:

"In discharging Cornell's land-grant mission to serve the people of the state, I have come to know Hank and to appreciate his talent, integrity, analytical skills and comprehensive grasp of the issues affecting

education. I certainly look forward to working with him."

Dullea, reporting directly to Rhodes, will be responsible for government and media relations and a range of communication functions. The specific University Relations units are Communications Strategies, Community Relations, Government Affairs, Information and Referral, the News Service, Publications Services and University Photography.

Dullea received his bachelor's degree in government from Cornell in 1961, at the age of 19. Before and after earning his Ph.D. in political science — in 1982 from Syracuse University's Maxwell School of Citizenship and Public Affairs — he held numerous senior positions in New York state government and higher education. They included executive assistant to the president of SUNY Buffalo; deputy to the SUNY chancellor; assistant secretary for education and the arts to Gov. Hugh L. Carey; acting president of SUNY Purchase; and associate vice chancellor for employee relations statewide for SUNY.

"My years with the governor have been exciting and infinitely rewarding, despite the sometimes-painful challenges imposed by the state's fiscal problems," Dullea said in accepting the Cornell appointment. "I leave Albany with some regret, but I have moved between university and government service most of my working life; the Cornell position certainly represents a high point for the academic side of my career."

"No other higher-education institution in the nation has the unique mix of public and private missions and resources that infuse Cornell with its distinct character," he continued. "Helping spread the word of Cornell's outstanding faculty, dynamic students and unmatched professional and support staff — not only to the public but to targeted communities, such as public officials at all levels of government and the Cornell campus community itself — is an important and socially significant challenge that I am honored to be invited to undertake."

Among Dullea's professional honors and appointments was his receipt, in 1990, of the Nelson A. Rockefeller Award of the New York State Academy for Public Administration. He is a public-service professor at the Rockefeller College of Public Affairs and Policy at SUNY Albany, and a member of the board of the Center for Women in Government, based in Albany.

— Sam Segal



Henrik N. Dullea

## Through the looking glass



Anne Horst gives 4-year-old Amanda McGuire a better view as they look at a recent Olin Library exhibit of children's literature.

Peter Morenus

## Sam Beck: Teaching students to be participant-observers

Before his students go knocking on doors as part of a project on Italian-American family life in Ithaca, Sam Beck discusses the ethics of their activity.

"You're not just extracting data from people," he tells them. "You're creating a moral context in which information is generated. Ideally, you're engaging in a reciprocal relationship. Together, you're creating history, identity and a sense of being."

That aim of becoming a "participant-ob-

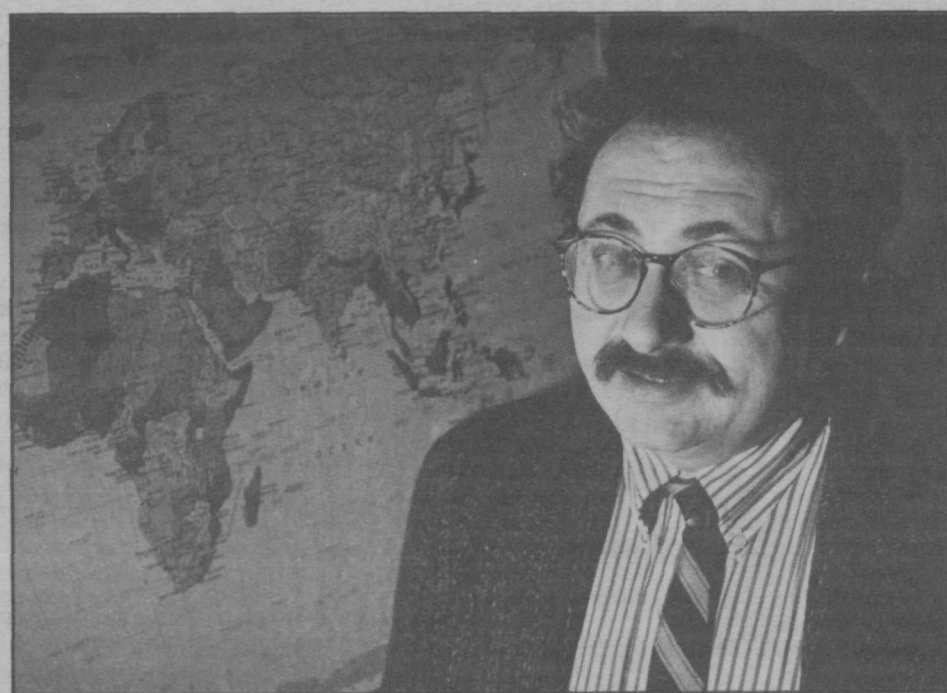
CORNELL  
People

server" in a conversation or in a work situation — of being someone emotionally and intellectually engaged in activity and at the same time analytical about it — is one Beck emphasizes in his role as teacher and as director of the Field and International Study program in the College of Human Ecology.

It's a technique he developed through years of practice, but it's also one he seems to have come upon naturally; he was born in the throes of the 20th century and has been trying to make sense of it ever since.

Beck's father escaped Vienna in 1938, a step ahead of the Nazis. He went to China, where he met his wife, the daughter of Polish-Russian Jews who had fled the Bolshevik Revolution. Beck was born in 1945.

Four years later, Mao Tse-tung came to power and Beck's family left China. They went to the newly-declared state of Israel and lived there for six months, in a canvas



Peter Morenus

Sam Beck, director of Field and International Study, College of Human Ecology.

tent, before moving to Vienna. Six years later, Beck's family moved to Beverly Hills, Calif., to be near relatives. Six years later they uprooted again, moving this time to Portland, Ore.

"I come from a family of professional refugees," Beck said with a smile. "Their primary occupation was moving from one place to another."

Little wonder that in his professional life, Beck became an anthropologist. It was almost like going into the family business.

He has lived among Iranian nomads and

Romanian gypsies. He has studied the New England descendants of immigrants from the Cape Verde islands off the West Coast of Africa. And he has studied the ethnic communities of Providence, R.I., while working as director of a natural-history museum there. Always, he has preferred to study people on the margins of societies.

"In retrospect, I think I was coming to terms with who I am, who I was, how I got to be. I am fascinated with the movement of people and with what migration and transition does to people," he said.

In the course he teaches on "Families in Cross-Cultural Perspective," Beck describes the tribal organization of gypsies as an example of family and social structure. He also brings in personal experience with African-Americans in Providence, R.I. Their struggle to preserve their neighborhood in Fox Point is the subject of Beck's first book, "Manny Almeida's Ringside Lounge," which will be published this year by Gavea-Brown University Press.

But most of his work in the College of Human Ecology centers on preparing 120 students a year for internships, research and study in New York City, Ithaca and abroad.

Before leaving Ithaca, students enroll in seminars taught by Dwight Giles, former director of the field study program, and Florence McCarthy, where they develop skills in observation, information gathering, organizational communications and interviewing. They also learn how to assess the goals of an organization, its leadership, structure and funding, and how to analyze the perspective they bring to a new situation. Then they go to work in a great variety of professional and public-service internships — from Wall Street to social-service agencies.

Field study students also participate in a group research project. This year, the subject is homelessness. In previous years, students have studied New York's ethnic neighborhoods — a source of fascination to Beck, who lived and worked in New York as associate dean at the New School for Social Research, before coming to Ithaca.

The project is designed, like all field-study activities, to integrate personal experience with theory and to ground academic questions in social and personal ones.

— 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 Hannan, Chronicle Calendar, Cornell News Service, Village Green, 840 Hanshaw Road.

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

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

## DANCE

### Cornell International Folkdancers

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

Balkan Dance Workshop for experienced dancers, by Ed Abelson, 6:30 to 7:30 p.m.; Scandinavian dances by Maureen Vivino and Ed Szymanski and requests, 7:30 to 10:30 p.m., April 7, North Room, Willard Straight Hall.

Global dancing, with review of waltz and one step, April 9, 7:30 to 10 p.m., Dance Studio, Helen Newman Hall. For information call 273-0707.

Balkan dance workshop with Dick Crum, April 12, 13 and 14. Get acquainted party, April 12 at 8 p.m., North Room, Willard Straight Hall; April 13: Registration, 9:30 a.m.; workshops 10 to noon and 2 to 4 p.m.; party 8 p.m., Biotechnology Building; April 14: Workshop 11 a.m. to 1 p.m., Biotechnology Building, April 14. Admission is \$22, \$6 per session, with discounts for students and members.

### Israeli Folkdancing

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

### Indian Students Association

A workshop on Bharatha Natyam dance by Aruna Gopinath, history, University of Malaya, April 5, 4:50 to 6 p.m., at the Performing Arts Center.

Bharatha Natyam dance performance by Jothi Ragnavan, accompanied by V.A. Aravindakshan on Nattuvangam, T.K. Ramakrishnan on Mridangam and K.T. Sivaganesh on violin, April 6 at 7:30 p.m., auditorium, Martha Van Rensselaer Hall. Tickets are \$5 for Cornell community, \$7 all others.

## 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.*

"Masks and Other Facades," organized by the museum's student interns, will be on view through April 14.

"Made to Remember: American Commemorative Quilts," an exhibition featuring 29 quilts from public and private collections throughout the United States, will be on view through June 9. The exhibit pays homage to the American commemorative quilt in its many forms — bridal, freedom, friendship, genealogy, remembrance, fund-raising, wedding, historical and political. Most of the quilts were made between 1840 and 1900 and are inscribed with messages of personal or historical importance.

### Sibley Fine Arts Library

Unique Books by Laurie Sieverts Snyder will be on display through May 3. Snyder teaches photography in the fine arts department and a summer session course called "The Artist's Book."

### Soviet & East European Studies Program

"The Symbolic Politics of Transition: Hungarian Political Posters 1989-90," an exhibition of Hungarian election-campaign posters at various exhibit areas in Olin Library, through May 3. Co-sponsored by the Department of Manu-

scripts and University Archives, the exhibit will feature political posters representative of the struggle between the major political parties in Hungary.

### Willard Straight Hall Art Gallery

"Tutte Le Strade Portano A Roma," a multimedia exhibit by Paul Dailey will be on exhibit through April 5.

## 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, 4/4

"Killer of Sheep" (1978), directed by Charles Burnett, with Henry Sanders, Kaycee Moore and James Miles, 4:30 p.m.

"To Sleep With Anger" (1990), directed by Charles Burnett, with Danny Glover, Richard Brooks and Paul Butler, free, 7:30 p.m., Uris.

"Palombella Rossa" shown with "Barres" (1989), directed by Nanni Moretti, with Nanni Moretti, Silvio Orlando and Mariella Valentini, 7:30 p.m.

"Mermaids" (1990), directed by Richard Benjamin, with Cher, Winona Ryder and Bob Hoskins, 10 p.m.

### Friday, 4/5

"Avalon" (1990), directed by Barry Levinson, with Joan Plowright, Elizabeth Perkins, Kevin Pollack and Aidan Quinn, 6:40 p.m.

"L'Atalante" (1934), directed by Jean Vigo, with Jean Daste, Dita Parlo and Michel Simon, 7 p.m., Uris.

"A Star is Born" (1954), directed by George Cukor, with Judy Garland and James Mason, 9:15 p.m., Uris.

"Mermaids," 9:30 p.m.

"The Lensman" (1984), co-sponsored by the Japanimation Society, midnight.

### Saturday, 4/6

"Saaheb," (Anil Kapoor, Amrita Singh), sponsored by the India Association and South Asia Program, 1:30 p.m., Room B, Uris Library.

"The Lensman," 2 p.m. and midnight.

"Mermaids," 6:40 p.m.

"L'Atalante" with guest critic Terrence Rafferty, 8 p.m., Uris.

"Avalon," 9:10 p.m.

"Stand and Deliver" (1988), directed by Ramon Menendez, with Edward James Olmos and Lou Diamond Phillips, co-sponsored by CUPB, 11 p.m., Uris.

### Sunday, 4/7

"Mahabharat" (Volume 4, Part 2), produced and directed by B.R. Chopra, Ravi Chopra, sponsored by the South Asia Film Series, 2 p.m., Room B, Uris Library.

"Unknown Secrets," "Golub," and "Painted Landscapes of Our Times," co-sponsored by CCPA, free, 2 p.m., Johnson Museum.

"A Star is Born," 4 p.m.

"The Lensman," 8 p.m.

### Monday, 4/8

"L'Atalante," 7:15 p.m.

"Force of Evil" (1948), directed by Abraham Polonsky, with John Garfield and Thomas Gomez, 9:30 p.m.

### Tuesday, 4/9

"Colonial Days," sponsored by the Southeast Asia Film Series, 4:30 p.m., Room B, Uris Library.

"When Hamlet Came to Mizoram" (1989), with film-maker Pankaj Butalia, co-sponsored by the Society for the Humanities and CCPA, free, 4:30 p.m.

"Women's Story" (1987), directed by Peng Xiaolin, 7:10 p.m.

"Bambi" (1942), directed by David Henel, 9:30 p.m.

### Wednesday, 4/10

"Tora-San Goes Religious," (Otoko wa tsuraiyo: Kuchibue o fuku Torajiro) Yamada Yoji, 1984, sponsored by the East Asia Program, 4:30 p.m., Uris Auditorium.

The Best of the Frameline Gay and Lesbian Film Festival, co-sponsored by the Gay, Lesbian and Bisexual Coalition, includes "Pedagogue," "Ecce Home," "Decodings," "Life on Earth As I Know It," "How to Kill Her," "Gus Van Sant's Diary," "I Got This Way from Kissin," 7:30 p.m.

"The Night of the Pencils" (1976), directed by Hector Olivera, 8 p.m., Uris.

"Bambi," 9:45 p.m.

### Thursday, 4/11

"The Countess" (1989), directed by Peter Popziatev, with Svetlana Yancheva and Itzhak Fintsi, co-sponsored by Pentangle, free, 7:30 p.m., Uris.

"The Sheltering Sky" (1990), directed by Bernardo Bertolucci, with John Malkovich and Debra Winger, 7 p.m.

"Edward Scissorhands" (1990), directed by Tim Burton, with Johnny Depp, Winona Ryder and Dianne Wiest, 10 p.m.

## LECTURES

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

"Entropy, Probability and Information," John S. Rowlinson, Oxford University and A.D. White Professor-at-Large, April 9, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

### Aerospace Engineering

"Greenhouse Warming," George F. Carrier '29, T. Jefferson Coolidge Professor of Applied Mathematics Emeritus, Harvard University, April 8, 4:30 p.m., B17 Upson Hall.

### Classics

"Funerary Paintings of the Late Bronze Age," Nanno Marinatos, College Year in Athens, April 4, 4:30 p.m., 19 Goldwin Smith Hall.

"Penelope and the Witches: Interpreting Od. XX 61-82," Sarah Iles Johnston, Ohio State University, April 5, 3:30 p.m., 124 Goldwin Smith Hall.

### Cornell Research Club

"Modern Evolutionary Biology in Historical Perspective," William Provine, ecology and systematics, April 11, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

### Dutch Language Program

"Variations on Dostoyevsky's 'The Gambler' and Aspects of Writing Theater in the Netherlands: a presentation and readings," Ger Thijs, author and theater director, Amsterdam, The Netherlands, co-sponsored by theatre arts and Russian literature, April 9, 3:30 p.m., 153 Uris Hall.

### English

"Meaning in Early Irish Art," Michael Ryan, The National Museum, Ireland, co-sponsored by medieval studies, College of Arts and Sciences, University Lecture Committee, Society for the Humanities and Vice President for Research, April 4, 4:30 p.m., 22 Goldwin Smith Hall.

### Gottschalk Lecture

"Macbeth Appalled," Stanley Cavell, the Walter M. Cabot Professor of Aesthetics and the General Theory of Value, Harvard University, the 1991 Gottschalk Lecture, April 11, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall. A scholar with wide-ranging interests in aesthetics, Shakespeare and film, Cavell has written numerous books. Two of his monographs on film are important contributions to film theory. He is an important figure in the American intellectual mindscape and has made important contributions to the dialogue among philosophy, literature and film. The lecture honors the memory of Paul Gottschalk, a professor of English at Cornell, whose major work was on Shakespearean tragedy.

### Hillel

"Rites of Passage II," Topics in Jewish Tradition, April 8, 8 p.m., 314 Anabel Taylor Hall.

### Hotel Administration

Sadie McKeown, candidate for master's degree, human service studies, and an intern in U.S. Department of Housing and Urban Development, will speak on banking policies relating to the Community Reinvestment Act, April 4, 10 a.m. in 465 Statler Hall.

Maxene Johnston, executive director, Weingart Center Association, Los Angeles, will speak on transitional shelters for homeless, April 11, 10 a.m., 465 Statler Hotel.

### Industrial & Labor Relations

"The Challenge of the Global Marketplace," Jack Sheinkman, president, Amalgamated Clothing and Textile Workers Union (AFL-CIO), April 11, 3 p.m., 105 ILR Conference Center.

### Law School

"Is Law Policy? Can Law Schools Be Policy Schools?" Robert Gordon, Stanford Law School, the Irvine Lecture, April 10, 4 p.m., MacDonald Moot Court Room, Myron Taylor Hall.

### Mathematical Sciences Institute

"Linear and Nonlinear Dispersive Waves," Jean-Claude Saut, Universite Paris-Sud, in a series of lectures at 214 MSI, 409 College Ave: April 4, 4:30 p.m.; April 8, 4 p.m.; April 11, 4:30 p.m. Also, the Oliver Club Lecture, "A Normal Form for the Navier-Stokes Equations

with Potential Forces," April 9, 4 p.m., 328 White Hall.

"A Global Theory of Vortex Rings in an Ideal Fluid," Mel Berger, University of Massachusetts, Amherst, April 8, 1:30 p.m., 310 White Hall.

"Mathematical Aspects of Propagation of Turbulence in Tubes," A. Babin, Moscow, April 9, 10 a.m., 214 MSI, 409 College Ave.

### Messenger Lectures

"Of Revelations and Revolutions: Christianity, Colonialism and Consciousness in South Africa" is the title of the series of lectures to be given by John L. and Jean Comaroff, professors of anthropology, University of Chicago. The following lecture will be given by Jean Comaroff at 4:30 p.m. in Hollis E. Cornell Auditorium: "Conversion, Conversation, Conclusion," April 4.

### Near Eastern Studies

"Gender, Sexuality and Power in 16th Century Istanbul," Leslie Peirce, near eastern studies, co-sponsored by Comparative Muslim Societies, April 4, 4:15 p.m., 374 Rockefeller Hall.

### Pakistan Students Association

"Kashmir in Flames," Mowahid Hussain Shah, vice president, Foreign Correspondence Association, editor of "Eastern Times," April 6, 2:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

### Sears Distinguished Lecture

"Wind-Aided Fire Spread Over Littered Fuel," the seventh annual W.R. Sears Distinguished Lecture, George F. Carrier '39, T. Jefferson Coolidge Professor of Applied Mathematics Emeritus, Harvard University, April 9, 4:30 p.m., B17 Upson Hall. Carrier was one of 19 scientists and mathematicians to receive the National Medal of Science presented by President Bush in November. He was honored for a lifetime's creative use of mathematics to solve an exceptionally wide range of scientific and engineering problems. Known for both his talent for modeling complex physical and industrial problems, and the ingenious approaches he devises to solve them, Carrier has profoundly influenced applied mathematics as practiced since the end of the Second World War.

### Sigma Xi Annual Lecture

Steven Emlen will discuss his research in animal behavior at the 105th meeting of Sigma Xi, the scientific research society, on April 10, 7:15 p.m. in the ground floor lecture hall, Biotechnology Building.

### Society for the Humanities

"When Hamlet Came to Mizoram," film screening and discussion, with director Panjak Butalia, co-sponsored by CCPA and East Asia Program, April 9, 4:30 p.m., Willard Straight Theatre.

"The Englishness of English Pop," John Savage, pop journalist, author of the forthcoming book, "England's Dreaming," April 11, 8 p.m., Guerlac Room, A.D. White House.

### Southeast Asia Program

"The Circular Line of History: Hanoi in Post-Colonial Commemoration," Patricia Pelley, grad student, history, April 4, 12:20 p.m., 102 West Ave. Extension.

### Soviet & East European Studies Program

"The Development of Public Opinion in East Europe," Laszlo Bruszt, Institute of Sociology, Budapest, April 5, 12:15 p.m., G08 Uris Hall.

"Contemporary Polish Politics," Konstanty Gebert, journalist, April 8, 12:15 p.m., 177 Goldwin Smith Hall.

### University Lecture

"Evidence on Ozone Depletion and Global Warming — A Statisticians' Report," George Tiao, W. Allen Wallis Professor of Statistics, Graduate School of Business, University of Chicago, April 11, 4 p.m., 100 Caldwell Hall.

### Women's Studies Program

"Policy Challenges for the Nineties," Maggie Kuhn, founder, Gray Panthers, visiting scholars series, April 11, 5 p.m., Lecture Room D, Goldwin Smith Hall.

## MUSIC

### Department of Music

Pianist Ramon Salvatore will give a concert, "A Tribute to the American Composer," on April 4 at 8:15 p.m. in Barnes Hall. Featured composers will be Yehudi Wyner, Ithacan Robert Palmer, Anthony Heinrich, Ross Lee Finney, John A. Carpenter, Virgil Th-



ompson, George Chadwich and John LaMontaine.

William Haller, former organist of the Columbus Symphony Orchestra, will perform 19th-century organ music on April 5 at 8:15 p.m. in Sage Chapel. Featured compositions will be Dukas' Fanfare pour preceader "La Peri"; Mendelssohn's Allegro; Schumann's Fugen, op. 60; Sowerby's Toccata; Albright's An Evening Dance; and Mussorgsky's Pictures at an Exhibition. Haller is professor of music at West Virginia University and organist at Worthington (Ohio) United Methodist Church.

Lionel Party, harpsichordist, and internationally recognized expert of the viola da gamba John Hsu will give a joint recital on April 7 at 4 p.m. in Barnes Hall. Party, first-prize winner of the 4th J.S. Bach International Competition in Leipzig, will play solo for works by William Byrd (Quadran Pavan and Galliard) and Frescobaldi (Canzona Seconda, Book II). Party and Hsu will perform three pieces by Marin Marais: Suite No. 1 in D Minor, Tombeau pour Monseieur de Lully (Book I) and 20 Variations Upon a Bass (Book I).

Elizabeth Field, violinist, will give her DMA recital on April 8 at 8:15 p.m. in Barnes Hall. She will be joined by Laura Kramer, baroque cello, Zvi Meniker, harpsichord, and fortepianist Bart Van Oort. On the program are Biber's Sonata III; Telemann's Fantasie No. 1 fur violin ohne bass; Leclair's Sonata, op. 9; Paganini's Caprice No. 13; Schubert's Sonata in A Major, and Mendelssohn's Sonata in F Major.

"New Music from Cornell" will be performed April 9 at 8:15 p.m. in Barnes Hall. Students of Karel Husa and Steven Stucky will perform their latest creations.

Jerry Gonzales and the Fort Apache Band will give the first concert of the New Jazz Festival, April 6, 8:15 p.m., Barnes Hall. "Rumba Para Monk" and the soon-to-be-released "Earth Dance" albums will be performed. (See related story for information on the series.)

Bound for Glory

Bill Staines, folk singer-songwriter, April 7, will perform in three live sets on April 7 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.

READINGS

English Department

The Creative Writing Series will present a poetry reading by David Mura, a Japanese-American poet and essayist, on April 4 at 4:30 p.m. in The Henry, Sage Hall.

Fiction reading by James Still, co-sponsored by the Council for the Creative and Performing Arts, on April 11 at 4:30 p.m. in The Henry, Sage Hall.

Writers at Cornell Read

Poet Walter Lew will read from his work on April 10 at 4:30 p.m. in the Henry, Sage Hall.

RELIGION

Sage Chapel

Kathleen Finney, Congregational Church, Ithaca, will deliver the sermon on April 7. Service begins at 11 a.m. and will be followed by Holy Communion (Book of Common Prayer). Music will be provided by the Sage Chapel choir under the direction of Donald R.M. Paterson. Sage is a non-sectarian chapel that fosters dialogue among the major faith traditions.

Baha'i

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

Catholic

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

Christian Science

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

Episcopal (Anglican)

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

Friends (Quakers)

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

Jewish

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

Shabbat Services: Friday: Conservative/Egalitarian, 6:00 p.m., Founders Room, Anabel Taylor Hall; Reform, 6:00 p.m., Anabel Taylor Chapel; Orthodox, Young Israel (call 272-5810 for time). Saturday: Orthodox, 9:15 a.m., One World Room, Anabel Taylor Hall; Conservative/Egalitarian, 9:45 a.m., Founders Room. Pesach Services: Thursday: Conservative/Egalitarian, 6:30 p.m., Edwards Room; Friday, Orthodox, 9 a.m., Edwards Room.

Korean Church

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

Muslim

Friday prayers, 1 p.m., Edwards Room, Anabel Taylor Hall; Friday discussion dinner, 7:30 p.m., 218 Anabel Taylor Hall; Sunday Qur'an Study, 12:30 p.m., 218 Anabel Taylor Hall. The MECA office, 218 Anabel Taylor Hall, provides information, a library, halal meat and other services for all. For information, call Minhaj Arastu, 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, Fridays, 5 to 8 p.m., 401 Thurston Ave. Call the Rev. Barbara Heck, chaplain, 255-4224, for information.

Seventh-Day Adventist

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

Zen Buddhism

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

SEMINARS

Anthropology

"Other People's Artifacts: A History of Collecting in New Ireland," Abraham Rosman and Paula Rubel, Columbia University, April 5, 3:30 p.m., 366 McGraw Hall.

Applied Mathematics

"A Link-Sensitive Algorithm for Intersection Detection of Simple Polygons," David Mount, University of Maryland, April 5, 4 p.m., 322 Sage Hall.

"Computer Algebra and Convex Polytopes," Bernd Sturmfels, mathematics, April 8, 1:30 p.m., 321 Sage Hall.

"Lie-Invariants, Algebraic Construction of the Values of Singular Points in the Complex Polynomial Systems and their Applications," Li Jibin, Georgia Institute of Technology, April 10, 12:20 p.m., 421 Sage Hall.

Biochemistry

"Protein Structure in Protein Engineering and Drug Design," Byron Rubin, Eastman Kodak, April 4, 11:15 a.m., Small Seminar Room, Biotechnology Building.

"NMR and Molecular Genetic Studies of the Structures and Interactions of Membrane-Associated Proteins," Chien Ho, Carnegie Mellon University, April 5, 4 p.m., Large Conference Room, Biotechnology Building.

"Nucleotide Binding and the Catalytic Mechanism of Chloroplast Coupling Factor 1," Adam Shapiro, biochemistry, molecular and cell biology, April 8, 12:20 p.m., Small Seminar Room, Biotechnology Building.

Biophysics

"Structural Studies of Integral Membrane Protein Systems Utilizing Synchrotron X-Ray Diffraction," J. Kent Blasie, University of Pennsylvania, April 10, 4:30 p.m., 700 Clark Hall.

Biotechnology Program

"Protein Kinase C as a Target for Anti-Neoplastic Drug Discovery, An Example of Industry-University Interaction," Joseph A. Dunn, Sterling Research Group, Rensselaer, and biotechnology program, April 10, 3 p.m., G01 Biotechnology Building.

Boyce Thompson Institute

"Air Pollution and Its Implications for Plant Aging: Reduction of Rubisco and Accelerated Foliar Senescence," Eva J. Pell, Pennsylvania State University, April 8, 4 p.m., auditorium, Boyce Thompson Institute.

Center for International Studies

"Readjusting Agriculture in Fujian Province: Poverty, Inequality and Rural Development, 1978-1990," Tom Lyons, economics, April 5, 4 p.m., 494 Uris Hall.

Ceramics Program

"Ceramics Afternoon," the eighth event of the seminar series co-sponsored by the Department

Jazz Festival comes to Barnes Hall

The New York State New Music Network will bring five nights of jazz to Barnes Hall beginning Saturday, April 6, with Jerry Gonzales & the Fort Apache Band, known for exploring the Afro-Caribbean roots of Latin music, or "jazz con salsa."

Craig Harris & Tailgater's Tales and Lenny Pickett & the Borneo Horns will perform on Thursday, April 11; Don Cherry & Multikulti on Friday, April 12; Sun-Ra & His Arkestra on Thursday, April 18; and the Geri Allen Quartet and Geri Allen with Dewey Redman on Sunday, April 21.

All concerts are at 8:15 p.m. in Barnes Hall, which seats 270 people.

Tickets are \$6 each; tickets for the series can be purchased for \$25. Tickets are available at the Lincoln Hall ticket office from 9 a.m. to 1 p.m., telephone 255-5144; at 211 Lincoln Hall from 1 to 4:30 p.m., telephone 255-4663; and at the DeWitt Mall ticket office in downtown Ithaca.

The New Music Network's visit to campus is co-sponsored by Cornell's Department of Music.

of Materials Science and Engineering and the Materials Science Center, will be held Friday, April 5, in B-11 Kimball Hall. The theme is "Metal-Matrix Composites." Introductory remarks, Stephen L. Sass, materials science and engineering, 2:20 p.m.; "The Design of Metal-Ceramic Composites," Rishi Raj, materials science and engineering, 2:25 p.m.; "Development and Understanding of Ti-Matrix Composites for Aerospace Applications," Dan Miracale, Wright-Patterson Air Force Base, 2:55 p.m.; "Mechanical Behavior and Modeling of Ti-Matrix Composites," Ted Nicholas, Wright-Patterson Air Force Base, 4 p.m.; "Control of the Mechanical Properties of Metal-Ceramic Interfaces," Stephen L. Sass, materials science and engineering, 4:45 p.m.

Chemistry

"Dynamic Structural Studies of Optical Electron Transfer Reactions," Joseph Hupp, Northwestern University, April 4, 4:40 p.m., 119 Baker Laboratory.

"Experimental Approaches to Understanding the DNA-Cleavage Chemistry of Calicheamicin," Craig Townsend, Johns Hopkins University, April 8, 4:40 p.m., 119 Baker Laboratory.

"Ultrafast Holographic Grating Experiments: Probing Dynamics in Solids, Liquids and Gases," Michael Fayer, Stanford University, April 11, 4:40 p.m., 119 Baker Laboratory.

East Asia Program

"The Study of Modern European History in Chinese Universities," Wang Jue-fei, Nanjing University, April 4, 4:30 p.m., 153 Uris Hall.

"Career Opportunities Related to East Asia," a workshop/discussion presentation by Alice Hogan, senior program manager, Asia Pacific, National Science Foundation's Division of International Programs, and Jeff Sommer, foreign editor, Newsday, April 5, 4:30 p.m., 230 Rockefeller Hall.

Ecology & Systematics

"Integrative Studies on the Evolutionary Ecology of Predator Avoidance," Andrew Sih, University of Kentucky, Lexington, co-sponsored by entomology, April 10, 4:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Electrical Engineering

"The Generation of Ultrashort Pulses of Light-Compression in Optical Fibers," Anthony Johnson, AT&T Bell Laboratories, April 4, 4:30 p.m., 219 Phillips Hall.

"Neural Nets," Moshe Kam, Drexel University, April 9, 4:30 p.m., 219 Phillips Hall.

Epidemiology

"Mixing Structures and Sexually Transmitted Disease Epidemics," Steve Blythe, plant breeding and biometry, April 5, 12:20 p.m., 141 Plant Science Building.

Floriculture & Ornamental Horticulture

"Internships at the National Tropical Botanical Garden, Kauai, Hawaii," Michael McLaughlin and Michael Arnum, undergraduate seniors, April 4, 12:25 p.m., 404 Plant Science Building.

"The Damage Threshold for Two-Spotted Spider Mites on Greenhouse Rose Foliage," Rebekah Hintze Doane, graduate student, April 11, 12:15 p.m., 404 Plant Science Building.

Food Science & Technology

"Predictive Microbiology Modeling," Richard C. Whiting, U.S. Department of Agriculture, April 9, 4:30 p.m., 204 Stocking Hall.

Fruit & Vegetable Science

"Population Dynamics and Competitiveness of Velvetleaf in Kidney Beans," Liz Maynard, fruit and vegetable science, April 4, 4:30 p.m., 404 Plant Science Building.

"Establishment Practices for Tissue Culture 'Heritage' Red Raspberry," Dave Trinka, fruit & vegetable science, April 11, 4:30 p.m., 404 Plant Science Building.

Genetics & Development

"The Genetic Analysis of Population Structure," Montgomery Slatkin, University of Cali-

fornia, Berkeley, April 8, 4 p.m., Conference Room, Biotechnology Building.

Geological Sciences

Title to be announced, John Suppe, Princeton University, April 9, 4:30 p.m., 1120 Sneek Hall.

"Summary Analysis of Wrench Tectonics and the Implications for Exploration Trap Analysis," C.F. Brake, SHELL, Houston, April 10, 4:30 p.m., 1120 Sneek Hall.

Immunology

"Regulation of Parasitic Infection and Disease by CD4 T Helper Subsets," Alan Sher, NIAID, April 5, 12:15 p.m., auditorium, Boyce Thompson Institute.

International Nutrition

"Iron Supplementation During Pregnancy through Primary Health Care in Rural Northeast Thailand," Pattanee Winichagoon, nutritional sciences, April 4, 12:15 p.m., 200 Savage Hall.

"Combining Information on Child Growth and Mortality from Multiple Studies: An Example of a Meta-Analysis," April 11, 12:15 p.m., 200 Savage Hall.

International Studies in Planning

"Why Agroforestry is not a Solution to Deforestation," Louise Fortmann, University of California, Berkeley, April 12, 12:15 p.m., 115 Tjaden Hall.

Jugatae

"Morphology and Molecular Characters in the Systematics of Drosophilidae," Robert DeSalle, Yale University, April 4, 4 p.m., Morison Seminar Room, Corson/Mudd Hall.

"Phylogeny and Fossils of Fruit Flies (Drosophilidae) with Particular Reference to the Hawaiian Fauna," David A. Grimaldi, American Museum of Natural History, co-sponsored by the Bailey Hortorium, April 8, 4 p.m., Morison Seminar Room, Corson/Mudd Hall.

"Competition Among Grazing Stream Insects," Steve Kohler, Illinois Natural History Survey, April 11, 4 p.m., Morison Seminar Room.

La Asociacion Latina

Vista Latina seminars April 6 in 144 Goldwin Smith Hall: "Latina Identity in Literature," Loretta Carrillo, romance studies, noon; "Latino Identity in the U.S. and Abroad," Hector Valex, Ithaca College, 1:30 p.m.; "Negotiating Safer Sex: Latina/Latino Perspectives," Irma Almirall-Padamesee, learning skills center, 3 p.m.

Materials Science & Engineering

"Dynamic Quantum Mechanics Simulations in Real Materials," Michael Teter, Corning Glass, April 4, 4:30 p.m., 140 Bard Hall.

"Transverse Layer Rigidity and Percolation in Pillared Clays," Jacob Klein, The Weizmann Institute of Physics, April 11, 4:30 p.m., 140 Bard Hall.

Mechanical & Aerospace Engineering

Manufacturing Seminar: "Best Cost Producer Strategy," Charles Knight, Emerson Electric and Bangs Lecturer, April 4, 4:30 p.m., Bache Auditorium, Malott Hall.

Manufacturing Seminar: "Environmental Issues and Their Impact on Manufacturing," Fred C. Hart, Hart Environmental Management, April 11, 4:30 p.m., B-14 Hollister Hall.

"Combustion Chemistry of Alternate Fuels," Vladimir Zamanskii, Institute of Chemical Physics, Moscow, April 11, noon, 178 Engineering Theory Center.

Microbiology

"Increased Rates of Specifically Advantageous Mutations in Response to Environmental Challenges," Barry Hall, University of Rochester, April 4, 4 p.m., conference room, Biotechnology Building.



CALENDAR

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Microbiology

"Biosynthesis and Function of Seleno Enzymes and Seleno tRNA," Thressa C. Stadtman, National Heart, Lung & Blood Institute, NIH, April 11, 4 p.m., conference room, Biotechnology Building.

Microbiology, Immunology & Parasitology

"Equine Streptococcal Disease," John F. Timoney, veterinary medicine, April 8, 12:15 p.m., G-3 Vet Research Tower.

Natural Resources

"Some reflections on Contemporary Conservation in the Light of Leopold's Philosophy and Ideas," Harlan B. Brumsted, natural resources, April 9, 12:20 p.m., 304 Femow Hall.

Neurobiology & Behavior

"Two Hemispheres, one song: Lateralization of Cerebral Function in Passerines," Heather Williams, Williams College, April 4, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

"Ergonomics and Parasites as Selective Factors in Social Bees," Paul Schmid-Hempel, Zoologisches Institut der Universitat Basel, April 11, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Ornithology

"A Sanctuary in the Tropics," James Afolter, director, Cornell Plantations, April 8, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

Peace Studies Program

"Peace-Building Options in the Gulf," Louis Kriesberg, Syracuse University, April 4, 12:15 p.m., G08 Uris Hall.

Pharmacology

"Calcium Channels and Calcium Stores in Differentiating PC12 Cells," Harald Reuter, Universitat Bern, Pharmakologisches Institut, April 5, 9:15 a.m., auditorium, Boyce Thompson Institute.

Philosophy Graduate Student Association

"Gay Equality: Minority Standing and Legal Rights," Richard Mohr, University of Illinois, Urbana, April 5, 4:30 p.m., Guerlac Room, A.D. White House.

Physiology & Anatomy

"Molecular Neuroendocrinology of the Fetal Hypothalamus," Dean Myers, physiology, April 9, 4:15 p.m., G-3 Vet Research Tower.

Plant Breeding & Biometry

"Timber Tree Breeding and Genetics," Charles Maynard, Syracuse University, April 9, 12:20 p.m., 135 Emerson Hall.

Plant Pathology

"Tripartite Interactions among Pythium spp., Seeds and Spermosphere Bacteria - A Model for Biocontrol Processes," E.B. Nelson, plant pathology, April 10, 3 p.m., 133 Barton Laboratory, Geneva.

"Genetic Variability in Nectria Coccinea var. faginata Examined through RFLP Analyses," Eileen Mahony, April 9, 4:30 p.m., 404 Plant Science Building.

Program on Theoretical & Computational Biology

"Competition and Chaos in Plant Communities," G. David Tilman, University of Minnesota, April 4, 3 p.m., 110 Ives Hall.

Psychology

"Single Word Processing Studies with Positron Emission Tomography (PET)," Steve Peterson, Washington University School of Medicine, April 5, 3:30 p.m., 202 Uris Hall.

Science, Technology & Society

"The Human Genome Project: Production, Ownership and Control in an Emerging Technological System," Steve Hilgartner, Columbia University, April 8, 12:15 p.m., 609 Clark Hall.

South Asia Program

"The Ram Janmabhoomi Crisis," Shukdev Singh, Banaras Hindu University, April 8, 12:15 p.m., G08 Uris Hall.

"The Paradox of Power and Progress: Participatory Research and Communication in

India," Shirley White, communication, April 10, 12:15 p.m., 153 Uris Hall.

Textiles & Apparel

"The Art and Science of Apparel Quality," Peyton Hudson, North Carolina State University, April 4, 12:20 p.m., 317 Martha Van Rensselaer Hall.

"Government Regulation of Medical Devices," F.A. Andersen, Office of Science & Technology, Food and Drug Administration, April 9, 1:25 p.m., N207 Martha Van Rensselaer Hall.

Theoretical & Applied Mechanics

"The Concept of Small-Scale Yielding in Fracture Mechanics," Herbert Hui, April 10, 4:30 p.m., 205 Thurston Hall.

Toxicology

"Liposome-Enhanced Flow-Injection Immunooanalysis," Richard A. Durst, Pesticide Analytical Laboratories, Geneva Station, April 5, 12:20 p.m., 14 Femow Hall.

Western Societies Program

"Imagining the Queen: Fashioning the Body Politic in the Marriage of Louis XIV," Abby Zanger, Harvard University, co-sponsored by the Women's Studies Program, April 4, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

"Educational Expansion and Changes in Women's Entry into Marriage and Motherhood in the Federal Republic of Germany," Hans-Peter Blossfeld, European University Institute and Mellon visiting scholar, April 4, 4:30 p.m., G-08 Uris Hall.

"Fiscal Federalism in the European Community," Joan Esteban, University of Barcelona and Einaudi visiting scholar, April 10, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

"Les Dieux du Politique," Marcel Detienne, John Hopkins University, April 11, 12:15 p.m., Guerlac Room, A.D. White House.

"Changing Social Structures in the Transition from State Socialism to Post-Communism," Ivan Szelenyi, University of California, Los Angeles, April 11, 4 p.m., G08 Uris Hall.

SPORTS

Home contests only

Friday, 4/5

Women's Tennis, Pennsylvania, 2 p.m.  
Men's JV Lacrosse, Hobart, 7 p.m.

Saturday, 4/6

Women's Tennis, Columbia, noon  
Men's Lacrosse, Pennsylvania, 1 p.m.

Sunday, 4/7

Men's JV Lacrosse, Herkimer CC, 2 p.m.

Wednesday, 4/10

Women's JV Lacrosse, Syracuse, 4 p.m.

SYMPOSIUMS

Advisory Committee on the Status of Women

"Overcoming the Chilly Climate for Women at Cornell," with Bernice Sandler, director, Project on the Status and Education of Women of the Association of American Colleges, will be held on April 8. "Woman's Worth in a Man's World," on April 8 at 10 a.m., McManus Lounge, Hollister Hall, and April 9 at 9:30 a.m., Conference Room, Biotechnology Building, for all interested faculty; "Sexism in the Workplace: Being Taken Seriously," 11:45 a.m. to 1 p.m., Conference Room, Biotechnology Building, for all staff; "Women at Work: The Law is on Our Side (For a Change)," 1:25 p.m., 213 Ives Hall, for all professional and graduate students; "The Meaning of 'Chilly Climate' for Students in Class and Out," 7:30 p.m., Bache Auditorium, Malott Hall, for all students and faculty.

Consumer Economics & Housing

"The Welfare Policy Debate: Key Issues for the 90s," with Robert Haveman, director, LaFollette Policy Institute, University of Wisconsin, and Charles Murray, author of "Losing Ground," American Enterprise Institute, April 4, 4:30 p.m., Alumni Hall Auditorium, Kennedy Hall. Panelists include Josephine Allen, human service studies; Robert Frank, economics and Johnson Graduate School of

Management; Jennifer Gerner, consumer economics and housing; and Robert Hutchens, industrial and labor relations. Fundamental issues underlying the provision of welfare and the future of the welfare state will be debated.

Institute for African Development

"Microcomputers for International Development: New Applications in Planning and Management," April 11-13 in 135 Emerson Hall. "The Unchartered Future of Microcomputers in Developing Countries," Noel Berge, president, Thunder and Associates, 8 p.m., April 11. For further information, call 255-6849.

Penn Photography Symposium

Lee Friedlander, internationally acclaimed photographer, will be the subject of the fifth Arthur S. Penn Photography Symposium on April 11, 4:30 to 6:30 p.m., in 115 Olive Tjaden Hall. Following Friedlander's slide presentation, Thomas W. Leavitt, director of the Johnson Museum, will moderate a discussion with panelists Richard Benson, photographer and adjunct professor of photography at Yale University; Maria Morris Hambourg, associate curator of prints and photographs at the Metropolitan Museum of Art; Jean Locey, photographer and associate professor in the Department of Art; and John Szarkowski, director of the Photography Department of the Museum of Modern Art. The symposium is supported by Marilyn and Arthur S. Penn, Cornell Class of 1956.

THEATER

Heerman-McCalmon Playwriting Competition

Venice James' prize-winning play, "Echoes: Love politics and a sistah's womb," will be given a staged reading on Sunday, April 7, at 8 p.m. in the Flexible Theatre, Center for Theatre Arts, with guest direction by Gene Lesser.

MISC.

Caregivers' Support Group

"Caregiving Video" will be held on April 9 at 11:30 a.m. in NG-10 Martha Van Rensselaer Hall.

Cornell Design League

Design League 7th annual fashion show will be held on April 6 at 6 and 8:30 p.m. in the Memorial Room, Willard Straight Hall. Twelve designers from the Cornell community will be presenting their apparel designs. Tickets are on sale for \$3 at Willard Straight or Dewitt Mall box office or \$5 at the door.

Cornell Information Technologies

"A Macintosh and Multimedia," part of the Multimedia Seminar Series will be held on April 4 at 3 p.m. in the Statler Conference Center. George Cook of Apple will be the instructor. For more information, contact CIT Service HelpDesk, 212 Computing and Communications Center, or call 255-8990.

Cornell Ju-Jitsu Kai

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

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.

Delta Sigma Theta Sorority Inc.

"Jabberwock" will be presented by the Mu Gamma Chapter on April 5 at Noyes Center, West Campus. The event, a potpourri of local talent, enables support for the Rosario Alvarex Scholarship, given annually to an Ithaca High School senior woman of color who plans to further her education. Tickets may be purchased by calling 253-0071.

Hong Kong Association

Yi 1991, an annual cultural show introducing the unique culture of Hong Kong with slideshow, skits, Chinese drama and Hong Kong pop music, April 6 at 8 p.m., Statler Auditorium.

Hotel School

Chefs from leading North American restaurants have been visiting the hotel school and teaching students how they prepare meals for discriminating diners who can afford to pay for the best. Barry Wine of the Quilted Giraffe, New York City, will be a visiting chef in Banfi's at the Statler Hotel on April 7. Dinner will be served at 7 p.m. and reservations will be accepted from the public.

La Asociacion Latina

"Vista Latina," an annual Latino weekend, will be held April 5 and 7. The events will include a save-the-children benefit show on April 5 at 8 p.m. in Kaufmann Auditorium, Goldwin Smith Hall; art exhibit at 162 Goldwin Smith Hall on April 5 from 4:30 to 6:15 p.m.; traditional Latino dance on April 6, 11 a.m. in the Memorial Room, Willard Straight Hall; a traditional Latino dinner on April 6, 6 p.m.; a mass in Spanish at Anabel Taylor Hall on April 7 from 4 to 5 p.m. For more information contact Theresa Flores, 257-2587 or Juan De La Pena, 253-6772.

Learning Skills Center

Study survival skills walk-in service; free help with study problems, Tuesday or Thursday, 3 to 4:30 p.m., 235 Sage Hall. Rapid reading workshop, April 10, 4:30 p.m., 237 Sage Hall.

Personal Education Workshops

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

T'ai Chi Chuan

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

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.

Unions & Activities

"Right to the Moon, Alice!" on April 4, 10 a.m. to 5 p.m. in the Memorial Room, Willard Straight Hall. The sale will have all kinds of things, including vintage clothing, Guatemalan imports, jewelry, etc.

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.



Lionel Party, harpsichordist, will perform works by William Byrd and Frescobaldi on April 7 at 4 p.m. in Barnes Hall.



## Reporter's notebook: Dalai Lama spreads joy

In his last stop on campus, the Dalai Lama popped into Trillium dining hall for lunch on March 27. He picked up a tray, stood on line and ordered Chicken Teriyaki, beef noodle soup and french fries.

Students watched with amazement. "Will you look at this? This is hysterical," they said. "I just can't believe I am within five feet of him. . . . This is awesome. . . . This is really a thrill. . . . I am very, very, very, very, very impressed. . . . He is so-ooo cute."

Chuckling to himself, the Dalai Lama sat at a table with students and, between bites, answered questions posed to him as if he were each student's favorite grandfather.

One student asked about his hopes for college students: "Use your maximum intelligence," he said. "At the same time, develop a good heart. The knowledge you have can become more positive."

Another asked about sex: "I think sex life should be a disciplined one. The proper way should not be for mere satisfaction, but also with a sense of responsibility."

A third asked about his definition of love. "Love is the realization that others are just like yourselves and also have a right to happiness."

Nearly an hour later, an aide whispered it was time to go. "Oh-oh," the 56-year-old Buddhist monk said, hurriedly reaching for a cookie from the dessert tray.

"This," one student said as the Dalai Lama left, "was once in a lifetime."

This was one of several such moments during the Dalai Lama's visit from March 25 through 27. While here to deliver the 1991 Bartels World Affairs Lecture, an event that drew about 12,000 people, throngs came to see the Dalai Lama everywhere he went. And many seemed moved — some who expected it, some who didn't



Peter Morenus

The Dalai Lama enjoys lunch with Jade Chao at Trillium last Wednesday.

— by his informality, charisma and great, good heart.

■ ■ ■

When the Dalai Lama arrived at Tompkins County Airport on the damp and drizzly morning of March 25, about 20 Tibetans from Canada were lined up outside the terminal, while 800 others stood before a welcoming tent.

As he walked toward the tent with a shawl wrapped around his sleeveless ma-

roon robe, the Dalai Lama stopped before one Tibetan woman and held her face with both hands; tears fell from her eyes. A mother held her 2-year-old son forward; the Dalai Lama rubbed his cheeks, and her lips quivered. A child, barely visible in the crowd, offered flowers; the Dalai Lama, seeing him only after passing, turned back.

After the Dalai Lama was seated under the tent, a boy of about 5 came to the microphone and said, "I hope you feel as good as I do having the Dalai Lama here." Then he just stood there, apparently forgetting a girl was waiting to speak next. The Dalai Lama jumped up, brought the boy to rest against his knee and, while listening to the girl, zipped up the boy's open coat.

The Dalai Lama took to the podium then, speaking in his deep baritone voice and what he calls his "broken English." He observed that the good feeling in the crowd was the stuff that happiness came from, "not money, power, technology, education, but from basic human, warm feelings."

Later, while meeting with people from the Asian Studies Department and the Religious Studies Program, a student told the Dalai Lama he was distressed by Western materialism and lack of spiritualism. How could one find inner balance while living in an apparently chaotic and dishonest world?

In an answer that covered the need to recognize the interdependence of people and things, develop compassion and devote much study and proper thinking to such matters, the Dalai Lama said: "This is the secret thing: once you have the proper mental attitude, then influences around you affect your mind very little."

■ ■ ■

To catch a glimpse of the Dalai Lama as he walked with President Frank H.T. Rhodes from the Statler Hotel to the Her-

bert F. Johnson Museum of Art on the sunny morning of March 26, students, staff and visitors leaned out the windows of Uris Library, climbed to the roof of Olin Library and stood in the mud on the Arts Quad.

To see them — the individuals within the crowd — the Dalai Lama stopped often, looked into many sets of eyes, touched cheeks, held hands, playfully tugged a man's long beard ("An old friend," he explained to Rhodes) and smiled almost continuously.

But as more on-lookers gathered, the pace slowed. Organizers looked at their watches. Rumor spread at the museum that the Dalai Lama had stopped at the campus bookstore. "Move it faster if you can, Scott," Lt. William G. Boice of Public Safety said to an officer heading the group. But the Dalai Lama heard a woman behind him call to him, and he walked back to her. Rhodes laughed. So did Boice. "I don't think he's going to cooperate," Boice said.

When he reached the museum, where about 1,000 people were waiting, the Dalai Lama came to the microphone and laughed his laugh of joy, and the audience laughed back. He thanked them for their happy expressions. He said he hoped the Tibetan art exhibit would increase awareness. He reflected on the need for people to feel oneness with others. And he quipped, "Well, that's all," as he did at the end of every talk.

Then the Dalai Lama went inside the museum to see the sand mandala. His face turned serious the moment he saw it, and he moved quickly before it, put his hands together and chanted quietly in Tibetan. Apparently finished with the blessing, he glanced to his side, stretched his arms around the monks' shoulders and pulled them close to him in a big embrace. Then they all looked up and laughed triumphantly.

— Lisa Bennett



Chris Hildreth

President Frank H.T. Rhodes and the Dalai Lama react to a welcoming banner being towed by an airplane flying over the Arts Quadrangle.

## Union president, Romanian leader to visit ILR School next week

### Jack Sheinkman

Jack Sheinkman, president of the Amalgamated Clothing and Textile Workers Union (AFL-CIO) and a former member of Cornell's Board of Trustees, will visit the university Tuesday, April 9, through Thursday, April 11, to meet with students and deliver a public lecture.

Last year, Sheinkman was elected to his second three-year term as president of the Clothing and Textile Workers Union, one of the nation's oldest and largest collective-bargaining organizations. He also is vice president of the AFL-CIO and board chairman of the Amalgamated Bank of New York, founded by the union in 1923, and a member of President Bush's advisory committee for trade policy and negotiations.

At 3 p.m. on Thursday, April 11, the union president will speak on the topic, "The Challenge of the Global Marketplace," in

Room 105 of the ILR Conference Center on the Cornell campus.

Sheinkman comes to Cornell as the Alice B. Grant Union Leader in Residence, a fund that brings prominent union officials to the ILR School.

During his three days on the campus, Sheinkman will talk to ILR classes about union organizing and administration, collective bargaining and career opportunities for ILR students; he will talk to students in the Johnson Graduate School of Management on international trade issues; and he will talk to ILR extension students at Tompkins Cortland Community College on contract administration, labor studies and leadership training.

A labor leader since the 1950s, Sheinkman led the Amalgamated Clothing and Textile Workers Union in its long struggle to unionize the J.P. Stevens textile plants and through a 22-month campaign for social and economic reforms for workers at

the Farah Manufacturing plants in El Paso and San Antonio, Texas.

Sheinkman earned his law degree here in 1952 after graduating from the ILR School in 1949. One of many ILR graduates to hold prominent positions in the labor movement, Sheinkman is the only ILR graduate to head a major national union.

### Catalin B. Zamfir

Catalin B. Zamfir, Romania's minister of labor and social security, will visit the School of Industrial and Labor Relations on Monday and Tuesday, April 8 and 9, to obtain information from faculty on various labor issues, including worker benefits and unions.

"Romania is going through the difficult process of bringing about change in all aspects of labor laws and regulations," explained a statement on his visit from the

U.S. Information Agency in Washington. "Moving from a severely centralized workforce structure toward a more democratic one will be a long road, and it is on this area which Zamfir wishes to focus."

During his visit to the United States, Zamfir also is meeting with the U.S. Department of Labor, the Social Security Administration, the AFL-CIO, the Federal Mediation and Conciliation Service, the National Labor Relations Board and the American Arbitration Association.

In meetings with ILR experts, he is expected to ask about labor issues including how federal and state governments handle unemployment and Social Security benefits; training of the handicapped; the role of unions in the United States; salary levels for different types of workers; cost benefits of social services; and skills retraining.

Zamfir, 50, earned a Ph.D. in sociology at the University of Bucharest.

— Albert E. Kaff



## COMMENTARY

## Using language to reveal the depths of mind and heart

by Donald Eastman

"The first thing I see here," the poet said, stroking his bald pate, "and it is the thing that is the easiest to see and the hardest to do anything about — is our old friend 'jaded diction.'"

A.R. Ammons, called by Helen Vendler, professor of poetry at Harvard University and poetry reviewer for "The New Yorker," the best poet of the second half of the 20th century, was reading a poem I had written. It was like having Jack Nicklaus and Arnold Palmer both watch you hit a golf ball, grading your swing and your talent.

"Jaded diction," Ammons politely explained, is "expected combinations of words, which therefore hide rather than reveal. Jaded diction imposes a kind of glaze over the thing you are trying to express. It refuses to let the emotion or reality show through."

Ammons wets his lips and smiles at the students sitting around the seminar table. There are six of them, survivors of an extraordinarily rigorous selection process. Winners of prizes already, talented, articulate, deeply committed to poetry as the voice of what is truest in a society, they meet around this table to discuss their poetry twice a week. They have clearly established "jaded diction" as the enemy of poetry.

Expected combinations of words: "Hard ground" and "searing wind" — the wind is always searing, the ground always hard," Ammons says quietly.

If I were younger, I think, this neat, precise, surgical criticism would wound, if not kill, me: It is the kind of criticism, spare and objective, that seems absolutely correct, indeed, wonderfully obvious — as soon as it is said. Scales drop; vision is clear. Luckily, I have no — well, very few — illusions about myself as a poet. This is,

though, my best poem.

"Chill in my bones," bones always have a chill in them," monotonous Ammons, continuing to read what is beginning to look like a mountain of jaded diction.

A line about a dead bird — "Frozen, perhaps, under the vanished snow/But just as dead" — gets a nod of approval for the rhythm of just as dead while suffering a raspberry for "vanished," which "snow is always doing."

I had written to ask permission to attend his class, partly because I wanted to meet a poet I suspect will someday win the Nobel Prize, and who will soon rank with T.S. Eliot and W.B. Yeats, and had promised to be unobtrusive if admitted. His reply was that his class was so sensitive to nuance that even the attempt to be unobtrusive would cause a ruckus. He asked, rather, if I would participate; if so, I should bring 10 copies of a poem of my own and come next Tuesday.

The poet turned out to be as hospitable and courtly as his invitation. Ammons is tall, with large hands, well thinned red hair and a soft voice. His speech carries the tuneful inflections of a piedmont North Carolina accent. He moves and speaks slowly, offering praise, criticism, observations, which the hearer is free to treasure or neglect. He betrays no concern or worry for anything beyond the words, the line, the shape of the poem on which his attention, and that of his class, is fixed.

"This poem seems to be looking for a regular stanza: the stanzas are close — eight lines, seven, seven, six, five, eight — and I'll bet when this comes out right it'll find a consistent size," he says.

I am reminded by this musing of both Michelangelo's search for the sculptural form within the stone he was working on and Edward Albee's comment that he never actually set out to write a play — he just

discovered from time to time that he was "with play," the way a pregnant woman is "with child."

The notion that art is an organic form is clearly one Ammons believes implicitly. He speaks again and again of "finding" — in the sense of uncovering, revealing — the right form, word, phrase, and in so doing reaching the feeling within; getting, that is, beneath the glaze of feeling and understanding on which most of us live out our lives. His soft southern speech ranges over the poem like a beachcomber over sand, finding some things he likes, holding them up, turning them around in the light, putting them back — "these fire tools going back into the attic, I like that" — and some he doesn't, flicking them politely but firmly aside. The enemy, it becomes increasingly clear, is not merely jaded diction, but jaded feeling.

Expected combinations of words are simply representations of artificial feeling, not so much insincere as unauthentic, and unauthentic not because we want to fake it but because we don't make the effort to get beyond the easy fast-food diet of feeling with which our culture suffuses us. Ammons' care for the language of feeling is an attempt to get beyond the Muzak of conventional emotion to the music of true feeling.

Feelings are not much discussed in Ammons' class; rather, the emblems of feeling, words, are fingered, strummed, tuned, played, fit to others. As my words and then those of others are examined and discussed, it occurs to me that this is the ultimate exercise in taking words seriously, looking for language that reveals the depths of the mind and heart.

Ammons sees me on my way after class with the same generous hospitality with which he received me. He thanks me for coming — "for letting the class meet some-

one who is actually gainfully employed" — and makes it politely clear that a return visit would exceed the limits of welcome: "These students are terrific, extremely talented, and feel like they are a close group. You have to be to do much of this kind of thing."

I am sure he's right, at least if such work is to be done with the courtesy and civility the class displays, clearly taking its cues from Ammons himself. Modesty and forbearance do not always cohabit well with acute, precise criticism — as I know all too well from my own days in graduate school. Though my poem and two others have been thoroughly prodded and poked and measured and weighed, no one feels violated or embarrassed, partly because all acknowledge beforehand how hard it is to make a true line of language, not to mention a whole poem of it, and partly because Ammons is always amiably and brilliantly nudging us back toward the task of stripping away that which is merely conventional or expected toward what is precisely authentic.

That, it occurs to me on the walk home, is what the great poets — and the great teachers — always do. Finding precisely the most accurate terms to describe reality, so far as we can, is the work of education in all the disciplines — the sciences as well as the arts, engineering as well as poetry. The first step is always finding the words that are precise, true, accurate; those words alone enable us to escape the clutches of "our old friend, 'jaded diction,'" and all his false companions.

Donald Eastman, the acting vice president for university relations and executive director of university communications, holds a Ph.D. from the University of Florida, where he wrote his dissertation on Thomas Hardy and D.H. Lawrence.

## Fiber-optic network continued from page 1

per-speed links will connect such powerful machines as supercomputers and computer-graphics work stations. Also, the central core of the network will operate at the gigabit level to handle the load generated from the many locations served by the 100 megabit-per-second FDDI technology.

Along with installation of the optical-fiber network, many new departmental networks are being implemented using 10-megabit Ethernet technology and 16-megabit token-ring technology, which is sufficient for most uses today, said Cogger. As departmental networks need 100-megabit speeds, they will be much more affordable.

The speed available with the FDDI network represent a manyfold increase from current facilities, Cogger said. Cornell currently operates a 10-megabit optical-fiber system connecting 20 buildings. This backbone serves over 100 routers that connect

over 200 individual nets, but most operate at 230 kilobits per second, just one-fortieth of Ethernet speed.

In the Cornell project, IBM will donate router hardware for the core backbone and buildings, and Cornell will develop and test key software for routing network protocols, such as Appletalk. Network protocols are the complex communications rules that computer networks use to manage error-free high-speed data transmission.

The Cornell software project is an extension of the university's leading-edge work in implementing modern data-routing protocols, said Cogger.

"While other major universities have also launched optical-fiber network projects, we believe the Cornell effort to be the most extensive deployment of 100 megabit-per-second technology," said Lambert.

—Dennis Meredith

## Hoffmann continued from page 1

about acids and bases and protons and equilibrium constants.

Only once did he consult his notes, to check a number. The only sound was the furious scratching of hundreds of pens on notebooks. Somehow, he sensed their degree of comprehension and paced his talk accordingly.

Just when the lecture's avalanche of equilibrium expressions threatened to smother the audience in abstraction, Hoffmann turned the discussion of chemical buffers to something of a more life-and-death nature.

"Our blood is around 7.4," he said of blood's pH value on the acidity-alkalinity scale. "The normal range is about 7.0 to 7.6. Outside of that, one dies pretty quickly. The body's metabolism produces swings (in blood pH) that would be disastrous if our blood were water."

Hoffmann explained how the body automatically responds by buffering imbalances in the blood. More equations filled the blackboard and the students' notebooks.

Hoffmann then tried a series of demonstrations with liquids that were supposed to

change color and acidity when buffering agents were added. The results were less than dramatic. One mixture seemed to prove the opposite of his point.

"What is more interesting is to do this with real blood," a determined Hoffmann said, producing a giant, empty syringe. "I have to prepare — this is medicine — by putting on my white coat." He did so.

"Of course, it's not quite modern medicine, so I have to put on beads," he said, adding more Mardi Gras trinkets.

Waving the syringe, he looked about for blood donors. "I was pre-med for a year," he tried to assure them. Still no volunteers.

Hoffmann seized a laboratory assistant and hauled him into a preparation room at the side of the lecture hall. Behind the closed door, microphone feedback created a painful howl.

The lecturer and a drained-looking assistant emerged with the syringe nearly filled with blood.

"Thanks," Hoffmann said, "to a cooperative Cornell horse..."

The demonstration worked.

—Roger Segelken

## Double take



1925 Book of Views



Peter Morenus

The Agriculture Quadrangle remains the home of a leader in food and life sciences, but its appearance has changed markedly. Now, the Quad sits at the well-defined intersection of Tower Road and Garden Avenue, and Kennedy and Roberts halls have replaced the old Stone and Roberts halls.



# CORNELL EMPLOYMENT NEWS

Including Job Opportunities

April 4, 1991

Volume 3, Number 12

## CLASSIFICATION REVIEW STUDY

This is the first of a series of articles that will be published this spring on the Classification Review Study. This week's article gives a broad overview of the process to date; future articles will look at the process and its implementation in greater detail.

WHAT'S BEEN HAPPENING WITH THE CLASSIFICATION REVIEW STUDY? Both the exempt and the nonexempt questionnaire evaluation processes are proceeding as planned. The university's current fiscal situation should have minimal impact on the overall direction and scope of the review process because the objectives and effects of the Classification Review Study are far-reaching and long-range in nature.

### Exempt Classification Review

Much of the current evaluation process is systematic and methodical. At present, the Evaluation Committee has recommended an exempt hierarchy to the Steering Committee for review and approval. At the same time, the consultants for Coopers & Lybrand (C&L) are pre-

paring salary-structure data that they will present to the Steering Committee regarding the salary structure(s) to be applied to that hierarchy. Once the Steering Committee approves the hierarchy, the results will be presented to the college/unit administrators/academic heads for their review. This review will ensure that the hierarchy is not only consistent and equitable when systematically applied across the university, but also accurately reflects the individual position's relation to other positions within its college/unit.

### Nonexempt Classification Review

The initial reading of the questionnaires and placement of positions into broad job categories (e.g., Editorial Assistant I, II, III), is expected to be completed in the next couple of weeks. At that time, the Evaluation Committee will be-

come involved for their review of the job categories and the formation of the nonexempt hierarchy. Once that has happened, the nonexempt positions will go through the same process that the exempt positions are currently undergoing, as described above.

### Completion of the Project

It is expected that the process of reviewing all positions and submitting their recommended classification hierarchy and salary structure(s) for approval to the Steering Committee will be completed by July 1991. Due to the scope of the Classification Review Study project, the implementation of the approved hierarchy and salary-structure recommendations should be phased in during the fall of 1991.

## Brown Bag Series Covers a Variety of Workplace Topics

*Please Note: The location for the Brown Bag Workshop Series on April 8, 15, 22, and May 6 and 13 has been changed from 163 Day Hall to the Hall of Fame, Schoellkopf House. The April 29 session, "Resumé Writing," will be held in 163 Day Hall.*

The following sessions are offered 12:00 noon to 1:00 p.m. through the Brown Bag Series, and are open to all interested employees:

### April 8 – Balancing Work and Family

This workshop will help participants explore creative ways of balancing professional and personal needs. Regina Wharton.

### April 15 – Returning to the Classroom

This will be a question-and-answer workshop designed to help participants prepare for moving back into the "student" role. Valerie S. Kantrowitz.

### April 22 – Telephone Communication

The focus of this workshop is to discuss the telephone as a public relations tool and the importance of proper telephone etiquette and techniques. Regina Wharton.

### April 29 – Resume Writing

*Note: To be held in 163 Day Hall.* The goal of this workshop is to discuss the use of cover letters and to help participants construct effective resumes, with clear and concise structures and formats. Rahat Idrees.

### May 6 – Interviewing Skills

This workshop focuses on how to prepare for and conduct interviews that allow you, the interviewee, to shine. Rahat Idrees.

### May 13 – Assertiveness Communication

This workshop outlines simple formulas effective for communication, understanding, harmony, and support. Sandra Carrington.

## 1991-92 Holiday Schedule

For your information, below is a schedule of the university holidays for 1991-92:

Holiday	Day(s) of Observance
Memorial Day	Monday, May 27, 1991
Independence Day	Thursday, July 4, 1991
Labor Day	Monday, September 2, 1991
Thanksgiving	Thursday, November 28, 1991 Friday, November 29, 1991
Winter Holiday	Wednesday, December 25, 1991 Thursday, December 26, 1991 Friday, December 27, 1991 Monday, December 30, 1991 Tuesday, December 31, 1991 Wednesday, January 1, 1992

For the past few years, nonacademic units that provide services to the general public, students, faculty and/or other staff have been required to remain open on workdays immediately preceding and following a holiday period. If units contemplate closing on Friday, July 5, 1991, they must first make arrangements to provide services as outlined and must have prior approval of the appropriate dean or vice president.

In keeping with university policy, employees who do not work on Friday, July 5, must take vacation or personal hours, or leave without pay. Departments are not authorized to pay employees additional holiday pay, since Friday, July 5 is not a paid holiday.

If you have any questions concerning this matter, please contact Staff Relations and Development at 255-7206.

## Dr. Bernice Sandler Will Speak at Cornell, April 8 and 9

Dr. Bernice Sandler, director of the Project on the Status and Education of Women of the Association of American Colleges, will be speaking on April 8 and April 9. The project is the oldest national higher education project concerned with achieving equity for women students, faculty, and administrators. The theme of Sandler's presentations will be *Overcoming the Chilly Climate for Women at Cornell*. She will explore this theme from a number of perspectives, and has developed a series of presentations tailored to address the various interests of faculty, staff, and students. These presentations include:

"Woman's Worth in a Man's World": This presentation will discuss the issues of devaluation, lack of collegiality, and other forms of chilly behavior and practices. April 8, 10:00-11:00 a.m., Hollister Hall (McManus Lounge). Repeated on April 9, 9:30-11:00 a.m., in the Biotechnology Building, Lounge/Conference Room. All interested faculty will want to attend.

"Sexism in the Workplace: Being Taken Seriously": Brown Bag Luncheon, April 8, 11:45-1:00 p.m., Biotechnology Building, Lounge/Conference Room. For all exempt and nonexempt staff.

"Women at Work: The Law is on Our Side (for a Change)": April 8, 1:25-2:40 p.m., 213 Ives Hall. For professional and graduate students.

"The Meaning of 'Chilly Climate' for Students in Class and Out": This presentation will discuss issues of rape, harassment, and being taken seriously as students and as future professionals. April 8, 7:30-9:00 p.m., Malott Hall, Bache Auditorium. Open to all students, staff, and faculty.

*Sponsored by the Advisory Committee on the Status of Women (ACSW), with support from deans of the colleges, the Vice President for Human Relations, and the Student Assembly.*



# JOB OPPORTUNITIES

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

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

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

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

## Professional

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

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

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

### Director Museum (PA6006) Unclassified Johnson Museum-Endowed

Posting Date: 4/4/91

Administrative responsibility for Museum including supervision of staff; supervision of curatorial function; planning and execution of development activities; representation of the museum in professional organizations; responsible for the preservation and care of the collections; and supervision of the museum's community efforts in education and cultural activities.

**Requirements:** Substantial museum experience, strong training in art history, distinguished record of professional/academic achievement, and excellent administrative and fund-raising skills. Ability to enhance and sustain program of acquisitions and exhibitions. Send cover letter and resume to Cynthia Smithbower.

### Computer Operations Manager III (PT5806) Level 37

Library Technology Department-Endowed  
Posting Date: 3/21/91

Manage a large library NOTIS operation, an integrated management system for acquisitions, cataloging, accounting, circulation, and online public access (via 200 terminals) with a database of 15 million records and indexes. Administer daily operations including batch and online processes. Evaluate the system's operational performance. Direct installation of new system software and communications and computer equipment. Supervise staff and student assistants.

**Requirements:** Bachelor's or equivalent. Advanced degree in computer, library, or information science desirable. 5-8 years overall experience with at least 2 years of management, working with budget administration and system operation required. 2 years experience in a library or information center desirable. Technical background in mainframe computing, microcomputing and telecommunications with emphasis on the storage and retrieval of scholarly information preferred. Prior programming and working experience with NOTIS desirable. Send cover letter and resume to Sam Weeks.

### Applications Programmer Analyst III (PT6001) Lvl 34

CIT/IR-Endowed

Posting Date: 4/4/91

Design, develop, modify, maintain and document fairly complex applications software in support of a major administrative system. Analyze functional and performance requirements and develop software enhancements to usability and efficiency. Diagnose problems in production system software and make repairs. Write production procedures, JCL and user manuals. Assist users. Attend conferences, seminars, classes, etc., to expand knowledge of large scale systems.

**Requirements:** BS or equivalent with computer related courses. 3-5 years related experience. Knowledge of the following: applications for interactive administrative systems; database management systems; machine architecture; system utility programs; ADABAS; MVS; IMS; several languages, such as PL/1 and Natural; and payroll/personnel functions. Send cover letter and resume to Sam Weeks.

### LAN Consultant/Advisor (PT6008) Level 34

CIT/Network Resources-Endowed

Posting Date: 4/4/91

Provide consulting and advice on implementation of departmental and unit Local Area Networks (LAN). Analyze requirements; perform technology evaluations; assist clients on implementation of LANs; and perform analysis and design for standard and custom implementations. Coordinate a variety of projects.

**Requirements:** BS or equivalent with some computer science courses. 2-5 years experience in computing and computer networking with some experience in LAN administration or design and implementation. Advanced oral and written communication skills. Send cover letter and resume to Sam Weeks.

### Systems Program Analyst II (PT5801) Level 33

Materials Science Center-Endowed

Posting Date: 3/21/91

Install IBM work stations and accessories in 35-40 separate locations. Provide direct consulting support to the user research groups. Assess, develop, maintain and document software utilities and libraries. Arrange for repair of hardware and upgrades of software. Prepare reports. Perform disk backups.

**Requirements:** Bachelor's in computer science, electrical engineering, physical science or equivalent required. 2-3 years related work experience. Knowledge of FORTRAN, C and UNIX. Send cover letter and resume to Sam Weeks.

### Applications Programmer/Analyst II (PT6002) Level 33

CIT/IR-Endowed

Posting Date: 4/4/91

Design, develop, modify and document straight forward applications software in support of a major administrative

system. Analyze functional and performance requirements and develop software enhancements to usability and efficiency. Diagnose problems in production system software and make repairs. Write production procedures, JCL and user manuals. Assist users. Maintain working knowledge of 2 major commercial programming languages. Attend appropriate seminars and classes.

**Requirements:** BS or equivalent with computer related courses. Knowledge of the following: applications for interactive administrative systems; database management systems; machine architecture; system utility programs; VM/CMS; ADABAS; MVS; IMS; several languages, such as PL/1 and Natural; and payroll/personnel functions. Send cover letter and resume to Sam Weeks.

### Director of Student Activities (PA5901) HRII Unions and Activities/CAC/Campus Activities Center-Endowed

Posting Date: 3/28/91

Direct the Campus Activities Center which is responsible for all aspects of campus event planning, including scheduling, funding, advising, planning and training. Some nights and weekends.

**Requirements:** Master's in Student Development or related field preferred. 3-5 years in student activities programming or related experience preferred. Send cover letter and resume to Cynthia Smithbower.

### Senior Research Support Specialist (PT5811) HRII Mechanical and Aerospace Engineering-Endowed

Posting Date: 3/21/91

Direct and manage thermoset investigation including collaboration with current and potentially new industrial members of the CIMP consortium. Coordinate experimental research activities in CIMP. Write proposals CIMP-Cornell Injection Molding Program, to external agencies for funding purposes.

**Requirements:** Minimum Master's of Science degree in technical field. Minimum of 8 years industrial experience in the area of electronic micro-chip encapsulation, including rheological characterization of thermoset compounds used in such applications. Ability to conduct research and publish in refereed journals; design and fabricate instrumentation in support of such research. Send cover letter and resume to Sam Weeks.

### Area Program Director (PA6002) HRII Residence Life-Endowed

Posting Date: 4/4/91

Responsible for supervision of professional RHDs; implementation of staff training, ensuring program development and implementation including the integration of faculty within all program efforts; coordinating the management of policies; and procedures and communication in a residential area of between 1600 and 2000 students.

**Requirements:** Master's Degree or equivalent combination of education and experience is necessary. Experience in student services in higher education, including supervision, administration, residence hall program development, residence hall staff selection, training and development and counseling required. Understanding of human development and learning in an educational setting essential. Send cover letter and resume to Cynthia Smithbower.

### Associate Director Cornell Abroad (PA6009) HRII Cornell Abroad/CIS-Endowed

Posting Date: 4/4/91

The Associate Director will work closely with the Director in the planning, development and evaluation of international academic programs. Serves as liaison between Cornell Abroad and its university/college/department partners, providing essential support in academic and administrative matters. Will manage the Cornell Abroad office in the absence of the Director. May be responsible for undergraduate instruction.

**Requirements:** Ph.D required, field of specialization open. Relevant international experience; knowledge of at least one foreign language; experience as a teacher at the college or university level; administrative experience in academic and student related fields. Knowledge of and experience at Cornell a plus. Strong interpersonal and communication skills essential. Send cover letter and resume to Cynthia Smithbower.

### Acquisition Editor (PC5507) University Press-Endowed

Posting Date: 2/28/91

To acquire and develop a list of books in the social sciences, cultural studies, and/or the humanities.

**Requirements:** Bachelor's or equivalent. At least 2 years experience in publishing. Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter, resume to Esther Smith, Staffing Services, 160 Day Hall.

### Residence Administrator II (PA6003) HRII Residence Life-Endowed

Posting Date: 4/4/91

Assume primary program development and related administrative responsibility for Risley Residential College for the Fine and Performing Arts. Responsible for selection, training, and evaluation of 4 resident advisors and a part-time program assistant, in addition to managing several program budgets, a small theater, several studios & shops.

**Requirements:** Master's Degree or the equivalent combination of education and experience is necessary. Degree in Student Personnel Administration, or other closely related field desirable. Reasonable experience in student housing administration and/or programming is necessary. Experience in art beyond the appreciation level and art and facilities management is critical. Send cover letter and resume to Cynthia Smithbower.

### Assistant/Associate Coordinator of Admissions (PA6008) HRI

Office of Academic Programs, CALS-Statutory

Posting Date: 4/4/91

Perform all admissions activities, including planning and participating in recruitment travel, interviewing and advising prospective students, evaluating applications, making admissions decisions, and interacting with all segments of the college and university. Recruitment includes working with representatives, both on campus and off campus. Some travel involved also. Limited evening and weekend commitments.

**Requirements:** Master's Degree, or equivalent combination of Bachelor's degree with training and experience in admissions or related fields. Title and salary commensurate with experience. Strong interpersonal and organizational skills required. Must be able to make independent decisions, organize events and projects, make public presentations, and incorporate creativity and sensitivity into work. Computer skills and experience in writing and preparing publications highly desirable. Send cover letter and resume to Cynthia Smithbower.

### Project Coordinator (PT6009) HRI Utilities-Endowed

Posting Date: 4/4/91

Coordinate and schedule energy management and other related projects from planning through implementation or construction. Interact and coordinate projects with project and staff engineers; contracts management; the Utilities Department; other designated on-campus departments and colleges; and outside contractors, architects, engineers, and consultants. Handle public relations regarding energy management issues.

**Requirements:** Associate's in construction, electrical or mechanical technology, valid driver's license. Experience in reading, understanding, and interpreting utility and building mechanical and electrical systems plans; must be self-directed, have strong organizational, interpersonal, and communication skills; and be able to access confined and sometimes remote work spaces.

### Research Support Specialist II (PT5902) HRI Poultry & Avian Sciences-Statutory

Posting Date: 3/28/91

Coordinate the functions of a biochemical lab, including the development and conduct of analytical work on specimens generated from several large ongoing studies. Coordinate sample shipments; archiving blood specimens; computer entry of inventory and analytical records; and transmittal of records. Supervise computer use of research and bibliographic data archiving and retrieval. Occasional evenings and weekends.

**Requirements:** BS or equivalent in training and experience in analytical chemistry and data management, MS desired. Experience with instrumental analysis, HPLC, and atomic absorption spectrophotometry desirable. Send cover letter and resume to Sam Weeks.

### Assistant Director for Minority Programs (PA5803) HRI

Alumni Affairs-Endowed

Posting Date: 3/21/91

Expand the number of minority alumni participating in Cornell programs and provide organization and staff support for minority alumni programs. Expand operating base of the Cornell Black Alumni Association (CBAA) and the Cornell Asian Alumni Associate (CAAA) from New York City to other cities where critical masses of these Cornell alumni live and work. Establish operating budgets. Establish on-going communications and constituent activities and existing alumni programs.

**Requirements:** Bachelor's degree or equivalent. Ability to work well with people. Ability to deal with sensitive situations and follow through. Attention to detail while seeing a larger picture. Excellent interpersonal and oral communications. Program development, implementation and follow-through experience required. Willingness to travel. Minority candidates strongly encouraged to apply. Send cover letter and resume to Cynthia Smithbower.

### Assistant Director Club Programs (PA5902) HRI Alumni Affairs-Endowed

Posting Date: 3/28/91

Assists the Director in planning overall policies, procedures and goals for Cornell Clubs nationally. Supervises club activities in assigned regions. Overall responsibility for faculty speaker program development. Assists in planning, developing, and implementation of leadership workshops.

**Requirements:** Demonstrated ability to work with and organize volunteers; strong interpersonal communication and writing skills; minimum 3-5 years experience with volunteers organizations preferred; some travel.

### Editor II (PC5901) HRI

College of Engineering-Endowed

Posting Date: 3/28/91

Write, Edit, design and produce a variety of publications by means of which the College of Engineering communicates with the public at large. Assume primary responsibility for planning and production of an alumni newspaper, from meeting with an advisory group to decide on content. Through writing, editing and creating camera-ready copy.

**Requirements:** Bachelor's degree, extensive writing and editing experience, knowledge of publishing and printing production methods, experience with computer software used in copy preparation and graphic design. Must be able to edit technical material for both substance and style. A background in science and technology and experience in newspaper writing and production would be helpful. Regular Cornell employees send transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover

letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

### Custodial Services Manager HRI, (PC5613) Statutory

(PC6002) Endowed, (PC6003) Term Appointment

1-2 years Endowed

Buildings Care

Posting Date: 3/7/91

Responsible for custodial maintenance of a large complex of buildings on campus. Supervises a staff of 30 or more custodians in a unionized work environment. Develops and maintains excellent working relationships with faculty, staff, and other departments. Manages an extensive equipment and supply inventory.

**Requirements:** Associate's in human relations, business administration, or substantial equivalent experience in a related field. Effective supervisory management experience (3-5 years) in a service organization is required. Strong interpersonal/organizational skills, and excellent communication skills (both written and verbal) are essential. Must be able to work under pressure managing multiple priorities. Excellent physical stamina is required as position involves walking several miles per day, climbing, and lifting. Pre-employment physical will be given. Regular Cornell employees send transfer application, cover letter and resume to Esther Smith, Staffing Services. External applicants send cover letter and resume to Esther Smith, Staffing Services, Day Hall.

### Teaching Support Specialist II (PT6004) HRI Plant Breeding and Biometry-Statutory

Posting Date: 4/4/91

Assist in teaching large courses in Statistics and Biometry. Organize labs; supervise teaching assistants; prepare exams and course materials; lecture when necessary; provide computing support; and develop computing instructional materials. Serve as a consultant for statistical computing on the mainframes and micro computers. Perform research in statistics or applications of statistics, and publish research articles.

**Requirements:** MS or equivalent in statistics or biometry. Statistical computing experience on mainframes and microcomputers. Teaching and research experience. Send cover letter and resume to Sam Weeks.

### Residence Hall Director/Holland International Living Center (PA6004) HRI

Residence Life-Endowed

Posting Date: 4/4/91

A twelve-month live-in position with responsibilities in the area of programming, administration, management and counseling. The HILC is a special program residence hall housing 144 international and American students comprised of both men and women, undergraduate and graduate students.

**Requirements:** Master's degree or an equivalent combination of education and experience is necessary. Degree in student personnel administration, counseling or closely related field is preferred. Experience in group living, preferably in a residence hall setting is essential. Experience overseas or in foreign student affairs is highly desirable. Send cover letter and resume to Cynthia Smithbower.

### Assistant Dean of Freshmen (PA6001) HRI A&S Dean's Office, Academic Advising-Endowed

Posting Date: 4/4/91

Responsible for academic advising and orientation of freshmen in the College. Is the colleague and peer of four other assistant deans in the Academic Advising Center of the College.

**Requirements:** Advanced degree required or other relevant academic/university experience. Ph.D in one of the disciplines of liberal arts and sciences is preferred. Send cover letter and resume to Cynthia Smithbower.

## Professional Temporary

### Director Residential Program (PA5802) Residence Life/Summer College-Endowed

Posting Date: 3/21/91

Hire, train and supervise residence staff; insure the development implementation of quality programs; oversee administrative functions and program policies for 700-800 high school juniors and seniors. Position until June-August.

**Requirements:** Master's degree preferred. Experience with adolescent development supervision and superb communication skills essential. Familiarity with Macintosh Software preferred. Experience with residential programs preferred. Send cover letter and resume to Cynthia Smithbower.

### Technical Consultant I (PT5303) Cornell Information Technologies-Endowed

Posting Date: 2/14/91

Provide support for faculty, staff, students, and potential users by delivering technical information on five supported platforms (IBM-PC, IBM mainframe, Macintosh, VAX mainframe, and telecommunications). Resolve problems concerning the technical aspects of a diverse set of hardware and software applications. Direct clients to services within Cornell Information Technologies and facilitate back line consulting services. Provide support via service on the HelpDesk, group and individual contacts. Maximum 20 hours per week.

**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.



**The Learning Web-CRESP****Salary: \$18,000 to \$22,600 FTE**

Develop and administer annual budget. Monitor income and expenditures. Negotiate contracts. Oversee grant writing and fund raising. Facilitate activities of the advisory board and liaison with CRESP and its board of directors. Coordinate mailings and other office work. Participate in planning, development and evaluation of programs. Coordinate development activities; public relations; newsletter writing, editing and production; and contacts with supporters. 25-30 hours/week.

**Requirements:** Demonstrated competence in the areas of human services, budgets and fund raising administration and management. Excellent organizational and communications skills. Ability to articulate effectively the needs to the young people in our community and to convey the vision of our work to diverse community constituencies. Experience working with schools, social agencies, business people and community leaders.

**Technical**

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

**Technician, GR19 (T5808)****Veterinary Pathology-Statutory****Minimum Biweekly Salary: \$551.86****Posting Date: 3/21/91**

Assist principal investigator in carrying out various experiments using molecular, biochemical and cell biological methods. Participate in daily operation and maintenance of laboratory.

**Requirements:** Bachelor's and minimum of 1 year experience in Biology, Biochemistry, chemistry or related field preferred. Associate's or equivalent required. Laboratory experience desired but not essential as on-the-job training is provided by the principal investigator. Send cover letter and resume to Sam Weeks.

**Laboratory Technician, GR19 (T5305)****Food Science-Statutory****Minimum Biweekly Salary: \$551.86****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 laboratory 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.

**Technician, GR20 (T6006)****Chemistry-Endowed****Minimum Biweekly Salary: \$566.28****Posting Date: 4/4/91**

Responsible for operation of a tandem-Fourier transform mass spectrometer for structural characterization of large biomolecules. Assist in modification and repair of spectrometer. Play a key role in assisting in the development and operation of a more advanced instrument of this type.

**Requirements:** Bachelor's in Chemistry or Physics. Substantial expertise in maintenance and construction of electronics and ultrahigh (~10 torr) vacuum systems. Basic machine shop skills. 1-2 years experience in operation and maintenance of mass spectrometers used for molecular studies; specific experience with Fourier-transform mass spectrometry and with ionization methods for non-volatile molecules especially desirable. Familiarity with use and programming of computers. Good knowledge of chemistry, both practical and theoretical required for safe sample preparation and introduction. Assist in research planning and interpretation of results. Send cover letter and resume to Sam Weeks.

**Computer Operator, GR20 (T5702)****Lab of Nuclear Studies-Endowed****Minimum Biweekly Salary: \$590.45****Posting Date: 3/14/91**

Operate the computer batch stream at a large research center computer facility. Manage system backup library. Mount and dismount magnetic tapes as required. Clean and perform minor maintenance on tape drives, line printers, computer terminals and peripheral equipment. Update documentation with vendor or staff supplied material. Mount forms in line printer, and check trouble logs. Third shift. 12am-9am

**Requirements:** Associate's in computer related field or equivalent experience. At least 6 months computer batch experience. Knowledge of VMS and UNIX operating systems. Send cover letter and resume to Sam Weeks.

**Technician, GR20 (T5605)****Plant Breeding and Biometry-Statutory****Minimum Biweekly Salary: \$575.30****Posting Date: 3/7/91**

Perform biochemical and genetic analysis of tomato tissue. Performance of standard molecular techniques including preparation, electrophoresis and hybridization of nucleic acids. Operation of general lab equipment; maintenance of lab supplies; supervision of radiation work area.

**Requirements:** Bachelor's in a lab-oriented biological area plus experience. Master's desirable. Previous related lab experience and demonstrated ability to work independently desirable. Send cover letter and resume to Sam Weeks.

**Technician, GR21 (T2808)****Biochemistry, Molecular and Cell Biology-Statutory****Minimum Biweekly Salary: \$599.73****Posting Date: 3/14/91**

Purify proteins for several laboratories in the Biotechnology Building. Operate HPLC on FPLC apparatus. Perform biochemical lab procedures. Depending on skills and work load, there may be an opportunity to pursue other experiments. 1 year appointment with

possible extension.

**Requirements:** Bachelor's or equivalent in Chemistry or biochemistry required. 1-2 years experience, including protein purification. Experience with HPLC on FPLC system preferred. Send cover letter and resume to Sam Weeks.

**Electronics Technician, GR23-GR25 (T5804, T5805)****2 Positions****Telecommunications-Endowed****Minimum Biweekly Salary: \$669.23****Posting Date: 3/21/91**

Provide basic technical support for campus telecommunications systems, equipment and peripherals through the assembly, installation, testing, and maintenance. Ensure the connection of ancillary hardware and coordinate the process as needed. Perform routine, remedial and emergency maintenance.

**Requirements:** Associate's or equivalent experience in electronics or related field. 3-5 years experience in installation and maintenance of telecommunications equipment, including PBX. Considerable electronics testing skills and ability to read building underground prints. Must provide own hand tools, maintain valid NYS driver's license and have personal car. Send cover letter and resume to Sam Weeks.

**Technician, GR24 (T5601)****Veterinary Administration/Center for Advanced****Imaging Technology-Statutory****Minimum Biweekly Salary: \$682.77****Posting Date: 3/7/91**

Assist in operation and maintenance of CAIT. Train, supervise and assist faculty, staff, students and visitors in techniques of scanning and transmission electron microscopy, specimen preparation including ultramicrotomy and preparation of high quality electron micrographs; assist in laboratory record keeping.

**Requirements:** Bachelor's or Associate's in Biological or Physical Sciences, technical/vocation school degree in light and electron microscopy. 5-10 years experience in optics, light and electron microscopy, photography and graphics, regular computer usage. Effective communication and management skills, excellent eye/hand coordination. Send cover letter and resume to Sam Weeks.

**Technical Part-Time****Technician, GR18 (T5903)****Genetics & Development-Statutory****Minimum full-time equivalent: \$529.35****Posting Date: 3/28/91**

Assist Lab Coordinator for Biological Science 281 teaching labs (about 200 students each semester). Set up labs; make and dispense media; pour plates; sterilize equipment; wash glassware; and maintain Drosophila stocks. Monday to Friday (4 hours/day, between 8 am and 2 pm)

**Requirements:** High school diploma or equivalent required. AAS or equivalent preferred. Previous lab experience helpful. Must learn to operate autoclave, balances, pipetting machine, sterilizing oven and glassware washer. Send cover letter and resume to Sam Weeks.

**Laboratory Technician, GR19 (T5709)****Veterinary Microbiology-Statutory****Minimum full-time equivalent: \$551.86****Posting Date: 3/14/91**

Provide assistance to faculty carrying out lab experiments in reproductive biology. Prepare culture media and do extensive tissue and cell culture work. Provide general lab and surgical area maintenance. Collect specimens from mice, rabbits and cattle. Schedule experiments, keep records, and compile data. Monitor radioactive waste and arrange for safe disposal.

**Requirements:** Associate's or equivalent required. Additional coursework preferred. 1 year related experience in tissue culture, biochemistry and animal handling. Send cover letter and resume to Sam Weeks.

**Technical Temporary****Assistant Technician, (T5901)****Fruit and Vegetable Science-Statutory****Hiring Rate: \$7.00****Posting Date: 3/28/91**

Assist in weed control field research in vegetable crops. Establish and maintain small research plots. Apply herbicides and collect data. Through 10/30/91 depending on funding and work.

**Requirements:** AAS in horticulture or equivalent. NYS drivers license. Experience operating farm machinery. Certified pesticide applicators license desirable but will train. Send cover letter and resume to Sam Weeks.

**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.

**Research Aide, (T6007)****Entomology-Endowed****Hiring Rate: \$6.25-\$6.75****Posting Date: 4/4/91**

Assist in veterinary entomology research on dairy farms, involving year around field work on cattle pests. Assist with lab experiments. Maintain insect colonies. Sort and process field samples. Mount and identify insects. Collect data. Obtain supplies.

**Requirements:** AAS or equivalent in entomology or animal science, BS preferred. 1 year experience in handling large animals. Entomological experience helpful. Pesticide applicator's license desirable. NYS driver's license required. Send cover letter and resume to Sam Weeks.

**Technical Off-Campus****Technician, GR20 (T6003)****Equine Drug Testing/Saratoga Springs-Statutory****Minimum Biweekly Salary: \$575.30****Posting Date: 4/4/91**

Perform routine analysis of blood and urine in a field lab at Saratoga Springs, NY. Perform extraction and thin

layer chromatographic analysis of blood and urine samples. Analyze samples of drug administration trails containing known and unknown drugs. Operate gas-liquid chromatographs. Assist with lab cleaning and maintenance; and with recording and interpretation of data. Prepare chemical solutions.

**Requirements:** AAS or equivalent related experience. Experience with general chemistry lab procedures and thin layer chromatography. Send cover letter and resume to Sam Weeks.

**Technician, GR22 (T5802)****Equine Drug Testing-Statutory****Minimum Biweekly Salary: \$625.24****Posting Date: 3/21/91**

Perform advanced chemical analysis. Operate, maintain and trouble shoot HPLC. Perform HPLC analysis of drugs and their metabolites. Perform other associated advanced techniques. Supervise staff and lab operation in absence of director. Position located in Monticello, NY.

**Requirements:** Bachelor's in chemistry or equivalent required. 2-4 years experience with HPLC and drugs and metabolites. 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, GR17 (C5908)****ILR Administrative Services-Statutory****Minimum Biweekly Salary: \$517.65****Posting Date: 3/28/91**

Pick up and deliver mail from Ives Hall mail drops. Sort US and campus mail, memos and newspapers; post and prepare outgoing mail and parcels, handle and move incoming shipments into storage or area for use; fill publication orders, dispense office supplies, assemble and move office furniture; serve as back up for absent members of department.

**Requirements:** High School education or equivalent. Familiar with US Postal regulations desired. 1 year related office experience. Lifting boxes etc. up to 40 pounds. Light typing. Regular Cornell employees. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Secretary, GR18 (C6005)****School of Hotel Administration-Endowed****Minimum Biweekly Salary: \$542.89****Posting Date: 4/4/91**

Provide data processing and clerical support to the director of alumni affairs and the administrative aide. On-going updating alumni data base, frequent contact with students and faculty. Other duties as assigned.

**Requirements:** High School diploma or equivalent. 1 year related experience. Knowledge of computers. Good communication (written and verbal) skills. Accuracy and attention to detail. Ability to work independently. Handle pressure, meet deadlines, and maintain a high level of confidentiality. Medium typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR18 (C5902)****Veterinary Medical Teaching Hospital-Statutory****Minimum Biweekly Salary: \$529.35****Posting Date: 3/28/91**

Front desk reception in Small Animal Clinic, gather patient information and client information. Operate computer terminal for medical records function. Handle discharge of patients and cashiering. Some Saturdays and Holidays when required.

**Requirements:** High School diploma or equivalent. Some college or medical background desirable. 1-2 years related experience. Knowledge of medical terminology desirable. Must demonstrate strong interpersonal and organizational skills. Ability to work independently in an active, complex, environment is essential. Light typing. Regular 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:** High School diploma or equivalent. Additional education and/or experience in accounting/bookkeeping. Minimum 1 year experience. Excellent organizational, interpersonal and communication skills. Knowledge of computers. Medium typing. Regular Cornell employees send 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:** High School 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 40 pounds. 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.

**Building Coordinator, GR19 (C5910)****Engineering-Endowed****Minimum Biweekly Salary: \$566.28****Posting Date: 3/28/91**

Assist the Coordinator of building operations with responding in maintenance requests and general operation of the facilities for the College of Engineering. Administrative coordination of space studies, minor renovations and various facilities reports; responsible for daily mail and delivery services to Grumman-Upson building.

**Requirements:** High School diploma or equivalent. Some college coursework preferred. Knowledge of construction trades. 1-2 years related experience. Basic computer skills/Macintosh. Must be able to lift 50 pounds. Strong interpersonal skills. Extensive walking. Valid driver's license. Light typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Accounts Assistant, GR19 (C5905)****Division of Nutritional Sciences-Statutory****Minimum Biweekly Salary: \$551.86****Posting Date: 3/28/91**

Under direction of Administrative Manager assist in daily operations of Division of Nutritional Sciences Business Office. Responsibilities include account reconciliation; preparation of journal entries; coordination/verification of various monthly campus billings; preparation of deposits; maintenance of division's local accounting system (OASIS) and internal report generation for the Division's 300+ accounts (statutory and endowed). The Division has an annual operation budget of \$10-12 million.

**Requirements:** High School diploma or equivalent. 1-2 years related experience. Some college coursework preferred. Familiarity with Cornell's accounting system preferred; knowledge of statutory accounting procedures helpful. Previous computer experience (mainframe and PC compatible) required; competency in word processing (Word Perfect), database management (dBase or PC-File) and spreadsheets (LOTUS) preferred. Experience in account reconciliation strongly preferred. Excellent interpersonal, organizational and communications skills essential. Attention to detail; ability to work under pressure and meet deadlines required. Light typing. Regular Cornell employees. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR19 (C5906)****Engineering Cooperative Programs-Endowed****Minimum Biweekly Salary: \$566.28****Posting Date: 3/28/91**

Serve as Administrative Aide to Coordinator and Assistant Coordinator. Extensive contact with company representatives and students in organizing recruiting/job placement activities. Maintain computer database, coordinate travel arrangements, handle accounts (receivable and payable). Maintain reference library. Other duties as assigned.

**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years related work experience. Knowledge of Cornell's accounting, financial aid and registration procedures helpful. Excellent communication skills. Organizational ability, attention to detail, confidentiality is extremely important. Macintosh experience very helpful. Light typing. Regular Cornell employees. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Word Processor Operator, GR19 (C5709)****Division of Nutritional Sciences/CFNPP-Statutory****Minimum Biweekly Salary: \$529.35****Posting Date: 3/21/91**

Perform complex technical word processing tasks, often under tight and shifting deadlines, for Ithaca research and publications staff. 1 year term, continuation contingent upon funding.

**Requirements:** High School diploma or equivalent preferred. Some college coursework preferred. Experience with lengthy manuscripts and technical documents required. Excellent grammatical and organizational skills required. Able to work independently with eye for detail essential. Knowledge of Wordperfect and spreadsheet and/or database packages preferred. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR19 (C4109)****Section of Plant Biology-Statutory****Minimum Biweekly Salary: \$551.86****Posting Date: 10/18/90**

In conjunction with other secretaries in the office, provide approximately 12 faculty members with accurate and speedy typing services using typewriter and JPC; provide duplicating services; provide telephone answering service and receptionist duties. Work as Graduate Field Secretary for the Field of Botany. Cover for the other secretary in mail handling UPS deliveries.

**Requirements:** High School diploma or equivalent. 1-2 years office experience. Knowledge of Word Perfect highly desirable. Ability to work independently with attention to detail. Good organizational and communication skills essential. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Accounts Coordinator, GR21 (C5907)****Finance and Business Services-Statutory****Minimum Biweekly Salary: \$599.73****Posting Date: 3/28/91**

Analysis of financial data; IRIS Requests; journal voucher processing; spreadsheet analysis; Letter of Credit drawdown; audit vouchers; bank reconciliations. Other duties as assigned.

**Requirements:** Associate's in accounting. Minimum 2-3 years related experience. Symphony/Lotus; Database; financial statement experience. Light typing. Regular Cornell employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR21 (C5911)****Theory Center-Endowed****Minimum Biweekly Salary: \$615.42****Posting Date: 3/28/91**

Perform extensive administrative and secretarial functions for the manager and staff of the Xerox design Research Institute (XDRI). Requires independent judgment and decision making and a high level of confidentiality.

**Requirements:** A.A.S. or equivalent combination of education and experience. 3-4 years related experience in a responsible administrative position. Experience with Sun workstation or Macintosh. Strong interpersonal, communication, and organizational skills. Demonstrated ability to take initiative and responsibility, work independently, and to set priorities. Ability to handle confidential matters. Regular Cornell Employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Telecommunicator, GR21 (C5608)****Public Safety-Endowed****Minimum Biweekly Salary: \$615.42****Posting Date: 3/7/91**



Responsible for operating centrally located communications center for department. Monitor incoming telephone lines, radio traffic and blue light emergency phones. Monitor and operate NYS Police Information Network Computer Terminal.

**Requirements:** High School diploma or equivalent. College degree preferred. Radio communication skills preferred. 2-3 years related experience. Ability to qualify for certification in NYS Police Information Network System. Strong communication (written and oral) skills. Ability to pass background investigation with no record of convictions excluding minor traffic infractions. Cornell employees send transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter, and resume to Esther Smith, Staffing Services, 160 Day Hall. Women and minorities are encouraged to apply.

**Administrative Aide, GR21 (C5704)  
CRSR-Endowed  
Minimum Biweekly Salary: \$615.42  
Posting Date: 3/14/91**

This position is for an experienced secretary who is able to give administrative support to a sizeable research group consisting of several professors, research associates and graduate students. Duties include scientific typing, correspondence, E-mail, travel arrangements, travel reimbursement, general office duties.

**Requirements:** Associate's or equivalent required. 2-3 years of secretarial experience, preferable Cornell background. Solid word processing skills (IBM preferred, if possible, knowledge of Sun Microsystems word processing program). Scientific typing. Medium typing. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR21 (C4519)  
Physiology-Statutory  
Minimum Biweekly Salary: \$599.73  
Posting Date: 11/29/90**

Assist Administrative Manager with day to day operation of the department section of Physiology. Responsible for all personnel and payroll functions; assist in preparation of annual budget and the compilation of various teaching and research oriented reports.

**Requirements:** Associate's or equivalent. Minimum 2 years related experience. Ability to work well under constant pressure with diverse personalities and at all academic, non-academic, and administrative levels. Excellent organizational skills. Knowledge of Cornell personnel policies and procedures and statutory and endowed accounting procedures. Familiarity with grant management. Supervisory ability. Word processing, Lotus 123. Regular CU 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 9:00-5:00; 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

**Secretary, GR16 (C6001)  
Office of the Assemblies-Endowed  
Minimum full-time equivalent: \$511.68  
Posting Date: 4/4/91**

Provide secretarial/clerical support. Type, answer phone, arrange meetings, and maintain file system. Other duties assigned. 10 month appointment, Monday-Friday, 4 hours/day, mornings.

**Requirements:** High School or equivalent. Some clerical experience desirable. Able to do word processing (IBM PC- Word Perfect). Good organizational, interpersonal and communication skills. Attention to detail. Medium typing. Regular Cornell Employees only. Send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

**Office Assistant, GR16 (C6007)  
Center for Research Animal Resources-Statutory  
Minimum Full-time equivalent: \$489.93  
Posting Date: 4/4/91**

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

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

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

Assist the Senior Department Assistant in acquiring monographic material for the SHA Library. Collect and prepare SHA serials for binding. Perform work consisting of duties that involve related steps, processes, or methods according to his/her own judgment, requesting supervisory assistance when necessary; has responsibility for accuracy in the performance of routine work, but work is subject to verification by others when completed. Medium typing. Flexible, 4 hours/day, Monday-Friday, 20 hours/weeks, negotiable.

**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years related experience. Some experience with use of a library required. Ability to perform related activities with a high degree of accuracy required. Good (written and verbal) communication skills required. Ability to use a variety of microcomputer applications software required. Send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall.

**Preservation Assistant, GR18 (C5806)  
Preservation-Endowed  
Minimum full-time equivalent: \$542.89  
Posting Date: 3/21/91**

Coordinate the brittle book replacement program under the direction of the Assistant Director for Preservation. Duties include: evaluating the physical condition of books, preparing materials for microfilming, and

inspecting the film; perform on-line searches using RLIN, OCLC, and NOTIS. Monday-Friday, 20 hours per week. Position until 6/30/92.

**Requirements:** High School diploma or equivalent. Some college coursework preferred. Excellent organizational and work-flow management skills. Attention to detail. Ability to work independently. Strong interpersonal and communication skills. Previous library experience. Knowledge of microfilming technique and equipment. Word Perfect and PC file software is highly desirable. Send cover letter and resume to Esther Smith, Staffing Services, EHP.

**Administrative Aide, GR19 (C5508)  
Architecture-Endowed  
Minimum full-time equivalent: \$566.28  
Posting Date: 2/28/91**

Act as administrative aide for the Preston Thomas Memorial lecture series as well as the Department of Architecture Lectures and Exhibitions assistant. Schedule and coordinate related events including room reservations, meeting and reception arrangements, travel and hotel accommodations etc.; coordinate materials for Thomas Lectures: transcribe former lectures, research permissions, etc. Hours to be arranged, (between 8-5, 25 hours per week).

**Requirements:** High School diploma or equivalent. 1-2 years related experience. Some college coursework preferred. Able to use word processing programs on Macintosh SE/30 competently. Ability to work independently, should have some accounting skills, and be able to work with public. 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. Minorities are particularly encouraged to apply.

**Administrative Aide, GR19 (C5406)  
Placement-Endowed  
Minimum full-time equivalent: \$566.28  
Posting Date: 2/21/91**

Provide assistance and resume referral support services for experienced engineering alumni seeking new professional career opportunities. Extensive contact, both phone and written with alumni and hiring organizations. Maintain and update records for database and resume referral as needed. 1 year position with possible extension.

**Requirements:** High School diploma or equivalent. Some college coursework preferred. 1-2 years related experience. Strong business, organizational and clerical skills. Keen mind for detail work and name recognition. Communication skills are essential. Must have ability to work with relational (Foxbase) databases and computerized word processing systems on Macintosh SE. 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.

## 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.

**Casual Receptionist (S5905, S5906, S5907) 3 positions**

**Computer and Communication Center-Endowed  
Hiring Rate: \$6.00  
Posting Date: 3/28/91**

Responsible for greeting all visitors of Computer and Communication Center. Provide general information, answer reception phone. Maintain, organize and distribute CIT publications. Assist computer accounting with account validation and other remedial access functions. Act as an agent for Operations staff in dealing with tape librarian functions.

**Requirements:** High School diploma or equivalent. Higher education preferred. Receptionist experience preferred. Experience with automated office systems. Familiarity with software or programming helpful. Must have excellent interpersonal and communication skills. Send cover letter & resume to Linda Scaglione, Staffing Svcs, 160 Day Hall.

## General Service

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

**Patrol Officer, GR03 (G5801)  
Public Safety-Statutory  
Hiring Rate: \$9.01  
Posting Date: 3/28/91**

Prevent, detect and stop criminal behavior, protect life and property, preserve peace and respond to required police services within the Campus area.

**Requirements:** High School education or equivalent. College degree preferred. Must obtain, maintain and satisfactorily complete all licensures and training re-

quirements as designated by the Director of Public Safety and the laws of New York State. Must possess valid New York State Drivers license and New York State Pistol Permit. Strong interpersonal communication skills (written and oral). Must satisfactorily complete the probationary period of Public Safety for Patrol Officer. Regular Cornell employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP. External applicants send cover letter and resume to Esther Smith, Staffing Services, 160 Day Hall. Women and minorities are encouraged to apply. Deadline for applications is April 30, 1991.

**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 micro-processor-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.

**Custodian, S002 (G6001)  
Residence Life-Endowed  
Hiring Rate: \$6.27  
Posting Date: 4/4/91**

Provide general custodial care of buildings and grounds in immediate vicinity of assigned area.

**Requirements:** Basic reading and writing skills. Able to lift 50 lbs., operate necessary power equipment. Climb a 6' ladder. Must be able to communicate with students. Regular Cornell Employees send employee transfer application to Esther Smith, Staffing Services, EHP.

## General Service Off-Campus

**Maintenance Mechanic, GR23 (G6002)  
Buildings and Properties, Geneva Experimental Station-Statutory  
Minimum Biweekly Salary: \$651.82  
Posting Date: 4/4/91**

Responsible for all plumbing systems, sheetmetal, and other trades to maintain, add to, or improve the Experiment Station buildings and properties and related facilities. Provide utility plant relief for the regularly scheduled operators. 80 pound lifting requirement. Geneva Experimental Station.

**Requirements:** Minimum High School education or equivalent. A New York State driver's license is required. 3-5 years experience in plumbing, pipefitting, sheetmetal and other building trades. Ability to operate high pressure steam boilers and related equipment. 80 pound lifting requirement. Regular Cornell Employees send employee transfer application, cover letter and resume to Esther Smith, Staffing Services, EHP.

## General Service

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

**Attendant, S005 (B6001)  
Poultry and Avian Sciences-Statutory  
Hiring Rate: \$7.19  
Posting Date: 4/4/91**

In-line supervisor at Poultry Farm, responsible for health welfare (daily care) of research laboratory animals being raised and maintained in support of genetics, physiology, nutrition, food science and extension research programs/projects. Also, animal facilities and equipment maintenance/care. Collection and recording of experimental data (as required for each individual research project). 7:30-4:00 Monday-Thursday, 7:30 - 3:00 Friday and/or weekends and holidays as needed.

**Requirements:** Associates degree preferred- animal science or equivalent experience. Minimum of 1-2 years related experience. Certified Assistant Animal Technician (AALAS) or ability to obtain certification within a reasonable period of time, assuming the courses are offered. Drivers license, ability to lift 100 pounds on a regular basis. Working in a dusty environment. Send application materials to Cynthia Smithbower, Staffing Services, 160 Day Hall.

## Attention All Employees: Is Your Campus Address Correct?

### If not, it's your responsibility to report your new address

If your campus address is not correct, please take the time to send the correct address along with the former address and your social security number to Records Administration, 130 Day Hall.

**Greenhouse Worker, S006 (B5602)**

**Entomology-Statutory  
Hiring Rate: \$7.52  
Posting Date: 3/7/91**  
Responsible for operation of an entomological greenhouse complex for use by faculty, staff, and graduate students. Anticipate and carry out necessary operations to maintain an optimum environment for plant growth and research needs. Monday-Friday, 39 hours per week.  
**Requirements:** Associate's or equivalent; Bachelor's preferred. Training in floriculture or related field where coursework included plant growth and greenhouse operations; DEC certified application license required. 2-3 years working experience in a well managed greenhouse operation; excellent knowledge of mechanical operations of a greenhouse. Send application materials to Cynthia Smithbower, 160 Day Hall.

**Supervisor Print Shop, S010 (B5901)  
Agricultural Economics-Statutory  
Hiring Rate: \$9.09  
Posting Date: 3/28/91**

Responsible for the operation of a large academic print shop including supervision and training of a full-time employee as well as part-time hourly help. Set job priorities and meet deadlines to consult and work with faculty, support staff and students.  
**Requirements:** High School education or equivalent. 3-4 years experience on equipment necessary. Excellent supervisory and interpersonal skills. Technical training in offset printing, copiers, cameras, collators, binders and other peripheral equipment. Send application materials to Cynthia Smithbower.

## General Service Temporary

**Temporary Field Assistant, (B5801)  
Plant Breeding-Statutory  
Hiring Rate: \$6.00  
Posting Date: 3/21/91**

Work on potato breeding project; planting, cultivating, harvesting and grading potatoes. Involves both field and greenhouse work. Monday-Thursday, 7:30-4:00. Friday, 7:30-3:00. Position until 10/15/91.

**Requirements:** High School education. NYS Driver's License. Able to lift 60 pounds. Must be dependable. able to follow directions farming experience helpful. Send application materials to Cynthia Smithbower.

**Temporary Field Assistant, (B5802)  
Plant Breeding-Statutory  
Hiring Rate: \$6.00  
Posting Date: 3/21/91**

Work on Alfalfa Breeding Project. Involves both greenhouse and field work: planting, cultivating, transplanting, and harvesting. Position until 11/13/91.

**Requirements:** High School diploma education, NYS Driver's License. Able to lift 60 pounds. Must be dependable. Able to follow directions. Farm experience helpful. Send application materials to Cynthia Smithbower.

**Temporary Field Assistant, (B5701)  
Entomology/Freeville Farm-Statutory  
Posting Date: 3/14/91**

Assist the farm manager in providing services necessary to operation of the departmental research farm. This includes tillage, planting, maintenance, and harvest of field plots for research on vegetables and field crops as well as assistance in maintenance of the grounds. Assist farm manager in repair/maintenance of farm machinery and facilities. Position until 10/15/91.

**Requirements:** NYS Class 3 operators license and pesticide applicator certification (commercial category) desirable, but not essential. Experience in operation and maintenance of farming equipment including tractors and ground contact implements. Ability to operate hand and power tools. Send application materials to Cynthia Smithbower, 160 Day Hall.

## Academic

**Faculty Position- Rank Open  
Textiles and Apparel  
Posting Date: 4/4/91**

Apparel program seeks person to teach aesthetics and visual studies, conduct scholarly work including training of graduate students, and provide direction for historic costume collection. 12 month tenure track.  
**Requirements:** Ph.D and teaching experience required. Background in apparel with further background in art, history, or anthropology strongly preferred. Curatorial experience highly desirable. Excellent communication skills. To apply, send curriculum vitae, statement of scholarly interests and goals; statement of teaching and professional experiences, and names, address, and telephone numbers of three references to: Ann Lemley, Chair, Search Committee, Department of Textiles and Apparel, 239 Van Rensselaer Hall, Cornell University, Ithaca, NY 14853-0440. Application deadline: July 1, 1991 or until position is filled.

## Cornell Employment News

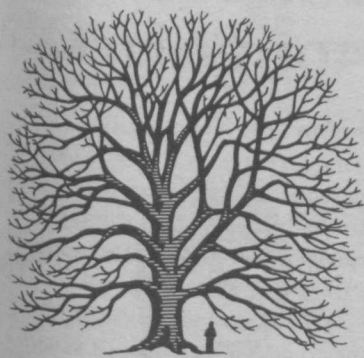
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**Photography:** University Photography, Susan Boedicker  
**Telephone:** Office of Human Resources (607) 255-3936

**EQUAL**  
Opportunity at Cornell





# Cornell Plantations

**Inside:**  
Course Listings  
and  
Conservation  
Concepts

**Vol. 4 #1**  
Spring 1991

## Global Perspective

*"There are about 1,500 botanic gardens and arboreta in the world, visited by over 150 million members of the public each year. They are therefore ideally placed to convince the public of the importance of plant conservation, and play a leading part in achieving conservation of plant life."*

The Botanic Gardens Conservation Strategy, 1989

Botanical gardens have played many different roles over the centuries, from providing medicines for medieval herbalists to introducing important agricultural species—such as coffee and sugar cane—across continents. Today, in the face of global environmental crises, gardens worldwide are undergoing a self-analysis that promises to redefine their mission for years to come. There is a clear need for botanical gardens to take a more active role in plant conservation and a realization that university gardens are natural platforms for communicating conservation issues to the public.

One result of this new awareness has been the formation of networks to exchange information and coordinate conservation activities. Cornell Plantations is a member of the international Botanic Gardens Conservation Secretariat. This group collaborated with the World Wide Fund for Nature and several United Nations organizations to publish a detailed strategy (quoted above), which describes how gardens can effectively promote conservation education and develop research programs to protect rare and endangered species.

At Plantations we are working to implement this strategy by establishing partnerships with other institutions, including a botanical garden in the tropics. The Robert and Catherine Wilson Botanical Garden in southern Costa Rica has one of the most important scientific and horticultural plant collections in Central America, with spectacular displays of palms, bromeliads, orchids, heliconias, and other species of great ornamental interest.

We are working with the Wilson Botanical Garden to develop cooperative programs in conservation education and horticultural training and to provide an opportunity for Cornell students and members of the Ithaca community to study and work at the garden. Such links between temperate and tropical gardens are sorely needed because, even though the tropics have the world's highest plant diversity, there are relatively few botanical gardens in tropical countries and the gardens' resources are limited.

Jim Affolter, Director



### Teaching Conservation in the Tropics

Conservation education is one of the primary interests of Jim Affolter, director of Cornell Plantations. The Robert and Catherine Wilson Botanical Garden, in Costa Rica, has already benefited from the efforts of Affolter and his wife, Dr. Cathy Pringle. The garden's director, Luis Diego Gomez (shown above right with recently propagated plants) has implemented an interpretive program they helped to develop. Visitors like these school children use the map brochure and labelling system developed by a group of their students as part of a course in



garden interpretation and tropical ecology.

In addition to maintaining a prominent collection of ornamental and economic plants, the Wilson Garden is an important field station for the Organization for Tropical Studies (OTS) managing a 300 acre reserve of premontane forest at the botanical garden. Affolter is currently a member of the Advisory Board (chaired by Dr. David Bates of Cornell's Bailey Hortorium) of the Wilson Garden.

OTS is a nonprofit consortium of over 40 American and Costa Rican universities, including Cornell. It is dedicated to education, research, and the wise use of natural resources in the tropics.



The traveler's palm is the logo for the Botanic Garden Conservation Secretariat.

## Recent Gifts for Conservation

Three gifts of property have been added recently to Plantations Natural Areas, bringing the total holdings to 2,225 acres in and around Tompkins County, according to Program Coordinator Dr. Nancy Ostman. "One of the priorities of the Plantations Natural Areas program is to provide increased protection for the plants and animals in existing preserves," says Ostman. "In each case, these gifts enhance adjacent natural areas by enlarging the total area that is protected, thereby increasing the diversity of the sites. Each parcel represents a significant addition to an existing preserve."

In the Town of Ithaca, Helen DeGraff donated land on Elm Street Extension to Plantations as an addition to Coy Glen. Her gift includes part of the glen proper and an upper valley of the gorge. Helen worked for nearly thirty years in the Poultry and Avian Sciences Department at Cornell. Her husband, Homer, was a teacher and professional landscaper. They both appreciated the natural value of their land. This parcel has been named the Helen and Homer DeGraff Preserve.

In a natural area with a rare vegetation type, rare species are sometimes found in only a small part

of the preserve. Edwin Hallberg, developer of Deer Run, has donated forty acres adjacent to South Hill Swamp that have several rare plants. For example, dwarf cherry, *Prunus susquehannae*, a shrub in the rose family, will now be protected at this site. This plant is categorized as rare statewide. The Hallberg gift includes wet meadow and forest.

The children of Bernard and Ester Travis have donated the wetlands behind their family home in Ellis Hollow to Plantations in memory of their parents. Bernard was an emeritus professor from the medical entomology department at Cornell. He and his wife actively supported the development of nature trails and wildflower conservation in the Ithaca area. According to Ostman, their gift of twenty acres is an important segment of the Cascadilla Creek Wetlands adjacent to the Durland Bird Sanctuary, which is managed by Cornell's Laboratory of Ornithology.

Each gift of property has been given by people who support the ethic of preservation and appreciate the importance of natural history education. They have made it possible for future generations to experience the richness and beauty of the native landscape.

## Fact Can Be Stranger than Fiction.

Michael Dann, postdoctoral research associate in the Biochemistry Department, didn't know what he was in for when he volunteered to man the potato table at Plantations Foods that Feed the World Day at the Dewitt Middle School on February 22. Nearly six hundred middle school students visited the event, which was set up in the school's library for the entire day. "So much of school is just sitting at a desk," said Dann as he hurried to prepare for the next group. "I think the kids get a lot more out of this kind of hands-on activity." At Dann's table students colored their world maps with a potato stamp to show the regions where potatoes are a major food crop. The stamps also decorated an occasional cheek or forehead.





## Twenty Years of Cheerful Service

"You name it, I've done it!" says Plantations business manager Carolyn Osborn. And she means it.

Eighteen of Carolyn's twenty years as a Cornell employee have been spent at Plantations, and over that time she has done everything from folding napkins to writing budgets. What would you expect in a place where the editor supervised the first gardener!

With a degree in computer science, Carolyn started her career as an accounts assistant and quickly assumed responsibility for budgets, payroll, orders, and payments. Soon she also was keeping track of the membership and helping out with receptions, fund-raising events, and reunions.

It is hard to believe that this was a part-time job. Carolyn describes her first ten years as early flex time. She worked around her children's schedules and tried to take Fridays off.

Carolyn's responsibilities continued to grow with Plantations. These days she has two full-time staff members working with her to manage the accounts and keep track of the memberships and gifts. In addition, Carolyn supervises the gift shop and janitorial staffs. Needless to say, she works full-time.

Many of Plantations programs and projects are funded by restricted funds, gifts, and grants. The job of

tracking that money is complex and may be further complicated by the demands of the university's own system of record keeping. Sometimes this can get Carolyn down, especially near the end of the fiscal year, but she always has a bright smile and a bounce in her step at the day's end.

The sailing poster on Carolyn's office wall is there for psychic relief. She gazes at it when she needs to rest her eyes from the computer screen and ledgers. The rolling waves represent her other world. Carolyn has been sailing since her childhood days in Florida.

Now that her children are grown, Carolyn has more time to enjoy the outdoors. A few years ago she sailed every weekend. Lately she has been hiking and canoeing, rain or shine. When the snow blows, she skis. As it melts, she makes maple syrup.

Did I mention that Carolyn lives on the family farm in Dryden in a house that she helped build? The house is sprouting a greenhouse this year, and her gardening efforts are expanding.

Most of the people who work at Plantations love the outdoors, even though they may not have a chance to get their fingernails dirty during the workday. Their commitment to the spirit of Plantations goes beyond just liking their jobs. Carolyn Osborn is a good example.

Margaret Corbit



Plantations business manager Carolyn Osborn stays young by maintaining a healthy balance of work and play.

## Education Program

Spring and Summer Courses 1991

NATIONAL  
SCIENCE  
&  
TECHNOLOGY  
WEEK '91  
APRIL 21-27



*Curiosity is the Frontier*

### FLOWERS IN WATERCOLOR

This course will explore different ways to represent plants and their flowers in watercolor as well as watercolor in combination with other media. Previous experience in drawing is recommended, but not necessary. Students should bring a #3 watercolor brush, a basic watercolor set, 140 lb. smooth, hot-press watercolor paper, an HB pencil, a kneaded eraser, a palette, a rag, and a jar for water.

INSTRUCTOR: Bente King, Botanical Illustrator, Bailey Hortorium, Cornell University  
SESSIONS: Tuesdays, April 23, 30, May 7, 14, 21, 28—7:00 to 9:30 p.m.  
FEE: \$55.00 (Members)  
\$60.00 (Non-members)

### WILY WILDFLOWER

All children have a natural curiosity about the world around them and there is so much to learn from our own wildflowers. This walk is designed for elementary school children and their parents. It encourages everyone to ask the questions "why" or "how" and search for an answer. How does Skunk Cabbage bloom so early? When should Jack-in-the-Pulpit be called Jill-in-the-Pulpit? Why does Stinking Benjamin stink?

INSTRUCTOR: Raylene G. Ludgate, Education Coordinator  
SESSION: Sunday, April 21—1:00 to 2:00 p.m. or 3:00 to 4:00 p.m.  
FEE: No Charge  
Preregistration necessary

### IKEBANA

Ikebana, the Japanese art of flower arrangement, is based on conceptions of space and asymmetry that make it an art form distinct from other Western and Oriental forms. Over the course of five sessions, this class will introduce the concepts and philosophy of the two basic styles of Ikebana using four different shapes of vases. The fee covers the cost of flowers that students will use and take home after each session. Vases for arrangements are provided for use during class. Students will need to purchase Ikebana scissors (hasami) and a needle flower holder (kenzan). These will be available for \$32 at the first class. Each session is limited to eight students.

INSTRUCTOR: Kazuyo Otani, Floral Designer  
SESSION 1: Saturdays, April 6, 13, 20, 27, May 11  
SESSION 2: or Saturdays, June 15, 22, 29, July 13, 20—10 a.m. to 12 p.m.  
FEE: \$65.00 (Members)  
\$71.00 (Non-members)



## Garden Gift Shop

*Green Thumb Gifts for Mothers and Significant Others*

Flowering orchids; elegant English watering cans with the ultimate in brass roses (spouts to the uninitiated); deluxe gardening tools made from heavy cast aluminum;

Italian garland, rolled-rim, red clay pots for the foyer; and stoneware porch planters.... Complete gardens in a box! Only the best for the gardener in your family.

Open Weekdays 8 am-4 pm  
Seasonal Weekend Hours: 10-5 Sat., 11-5 Sun.  
Lewis Headquarters Building 255-3020

### SPRING WILDFLOWER WALKS

Get out this spring to learn the identification and the ecology of our native and nonnative wildflowers. Field trips will explore different habitats, including a rich woods, a gorge, a bog, and a fen. Come dressed for the weather and plan to car pool to sites around the area.

INSTRUCTOR: Robert Wesly, Noted Naturalist and Botanist  
FIELD TRIPS: Saturdays, May 11, June 1, 8, 22—9 a.m. to 12 p.m.  
FEE: \$45.00 (Members)  
\$50.00 (Non-members)

### ORCHID GROWING AT HOME

The orchid family with its extraordinary variety provides a fascinating subject for plant lovers. This beginner class will start you on the right foot for the cultivation of orchids in the home environment. The session will cover the techniques, materials, and conditions for dividing, potting, feeding, growing, and flowering these beautiful plants.

INSTRUCTOR: Gustav Pohlig, Orchid Grower  
SESSION: Wednesday, June 12 7:00 to 9:00 p.m.  
FEE: \$10.00 (Members)  
\$12.00 (Non-members)



# Museum Conservation—Caring for Our Collections

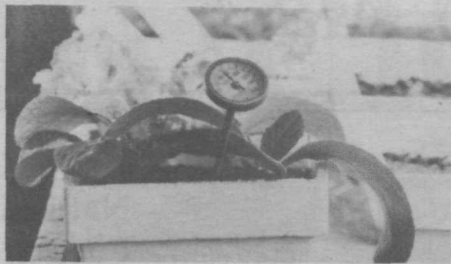
What does conservation mean to you? Does it conjure up images of trout streams and forests or timid little animals at the mercy of pollution and population pressures?

Or do you see stacks of computer printouts, miles of green hoses, and hear the loud clanking of a labelling machine? You do if you work in a botanical garden.

Plantations staff is responsible for many of the same duties performed in the back rooms of museums that care for ancient artifacts or modern paintings, working to ensure their good condition and value as museum specimens. The key word is care.

When working with living specimens, special methods have to be developed for museum conservation. There are over four thousand different kinds of plants in Plantations botanical collections alone. This does not include species and varieties living in the various natural areas or those in the arboretum and botanical gardens that do not receive formal documentation.

The reasons for keeping track of the items in any museum collection are obvious. If you can't find a specimen or verify its origin, you can't use it for teaching or research. There has to be an inventory and proper documentation.



At Plantations, the job of documentation is complex and never-ending. Each season, we add and remove plants. When a new plant arrives we must identify its exact origin. If the plant is a naturally occurring species, where was it originally collected and by whom? If it is a hybrid, who crossed what with what? When was it introduced? Is it registered?

Plantations is active in an international effort to bring the collections records of arboreta and botanical gardens up to the standards already set by other types of museums. Once the data is collected and entered into computers, it will provide a foundation for the communication of research and collections information.

Now into the third year of data entry, Plantations horticulture staff has almost caught up with the task of tracking down reams of information about the thousands of plants added to the collections over more than fifty



*Checking labels in the field is a game of hide and seek for gardener John Morse.*

years. All this information has been entered into a computer program called BG-Base. John Morse, Plantations plant records specialist, has already published a list of the documented plants. As other arboreta do the same, the sharing can begin.

But it's not enough just to know we have a certain plant. The date and the horticultural source of the acquisition are noted when it arrives along with its final location in the collections. The staff periodically visits each collection and notes the condition of each plant.

Occasionally the records must be closed on a plant. Some die, others just can't tolerate the climate, and a few imposters simply came with the wrong labels. This kind of information is important when evaluating plant sources and the performance of new cultivated varieties.

Inventories at Plantations are supplemented by detailed maps. We



*Shades cut the glare of the light table for map-maker Steve Chupp.*

keep track of new plants by using color-coded plastic labels in the greenhouse and brightly colored flagging tape in the nursery, but once the plants go out into the gardens and arboretum they have to be mapped.

Someone on the staff is always working on a map. This season Steve Chupp is creating a new general map for visitors; it will include the trails along Cascadilla and Fall Creeks. The flip side of this map will detail the trails and collections in the area of the Lewis Headquarters Building. This new map will be available in late spring at the Garden Gift Shop.

*Margaret Corbit  
Communications Mng'r.*

## Endangered Cultivars—Saving the Green Zinnia?

We are reminded almost daily of the pressing need to conserve the habitats of endangered plants, of the potential resources they represent. But what of cultivars, horticultural varieties of plants originating in and persisting only under cultivation? Why be concerned if a few zinnias or tomatoes disappear from our gardens, never to be seen again?

There is good reason to be concerned. Each cultivar represents a genetically unique entity. Each exhibits characteristics, possibly the result of chance mutation, that are valuable enough to separate this individual from others in the field or garden and to distinguish it with a name. Such varieties are propagated and exchanged with other gardeners or agriculturists. Special traits may become less important as societal conditions—or marketing and harvesting techniques—change, yet we cannot predict whether such traits will become critical to future plant breeders.

### Keeping Our Options Open

Vegetable varieties offer the clearest and most economically dramatic examples of the need to preserve the basic genetic diversity of cultivars. For example, broccoli, cauliflower, cabbage, kale, and kohlrabi are all cultivated varieties of one species in the mustard family.

After World War II, United States agriculture and horticulture became chemically dependent; the widespread use of chemical fertilizers, pesticides, and inexpensive fuel allowed monocultural stands of major crops to be cultivated on vast acreages by a small number of farmers. Horticultural chemicals were seen as harmless to humans and other mammals, and of untold value in producing low-cost, pest-free food crops. The green revolution was under way and everyone thought the answer to perpetually bountiful, inexpensive food production had been developed.

Cultivars selected during the postwar period were those that produced well when grown with heavy inputs of chemical fertilizers and pesticide. For many crops, such as corn and wheat, agriculturists relied on a few widely-used strains and genetic diversity in crop plants declined.

Times have changed. And, forty years ago, who could have foreseen how dramatic the change would be? Concerned growers are avoiding the use of chemical fertilizers and pesticides. Modern breeders are selecting food crops and ornamentals

able to thrive without such inputs and well adapted to local or regional growing conditions.

Developing these new strains often involves a process that begins by returning to older varieties preserved by gardeners or in seed banks or botanical gardens. Breeders seek varieties with the disease resistance, regional specificity, and thriftiness bred out of the chemically dependent strains. The ability of agriculture and horticulture to adapt to social and economic changes is thus dependent not only on the preservation of endangered or undiscovered species and the genetic variability they offer, but equally on the preservation of cultivars.

### Preserving Our Cultural Heritage

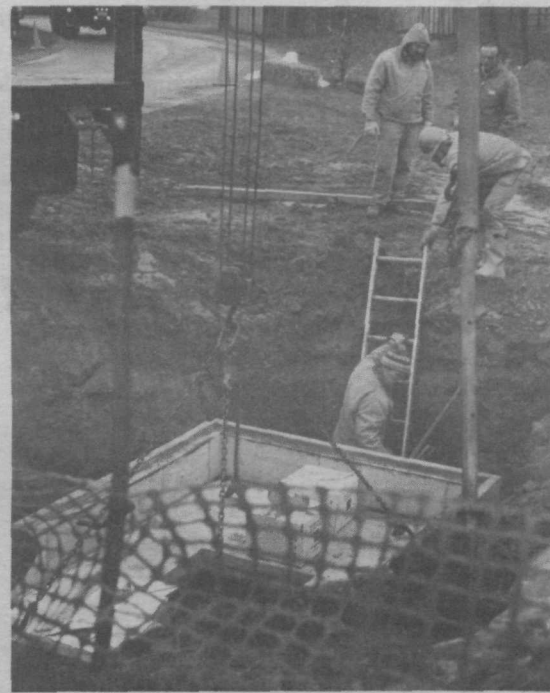
Cultivars are important to us from another, less economically pressing standpoint. They provide a living, visual record of the ways in which man has perceived and interacted with the land around him. The plants we have grown in our gardens over time are, like art, clothing, and architecture, a direct reflection of the society that produced them.

The post-Civil War period saw the development of geometrically ordered bedding schemes constructed of brightly colored South American annuals. The Victorian gardens at Sage Hall were just such displays, with canna lilies and petunias galore. Circles, squares, and stripes of gaudy color were imposed upon the landscape, a reflection of an industrializing society that saw itself as predestined to dominate and control the land.

The pendulum has swung, and contemporary designers attempt to blend today's plantings into the surrounding landscape. Low-maintenance herbaceous perennials and cultivars of native woody plants are popular, a reflection of a society trying to preserve and enhance the land.

But what of those gaudy annuals? Like gingerbread Victorian houses, they should be preserved as a record of our past and a resource that has the potential to enrich our future. The Pounder Heritage Garden is Plantations primary display of such historic plants. Designed with the feel of a cottage garden, it is the ideal place to enjoy old varieties of flowers and plants alongside their modern counterparts. Many of the best old-fashioned ornamentals are included in collections throughout Plantations.

*Mary Hirshfeld  
Asst. Dir. for Horticulture*



## Down to the Nitty Gritty

You can't put a live plant back on a shelf in a cabinet, record the fact that you have just done so, and walk away for a few months. Nice idea, but it won't work.

Living museums spend most of their budgets caring for their collections, literally keeping them alive with the aim of seeing them thrive. This is true whether they are caring for elephants or euphorbias.

At Plantations, conservation of the collections is labor intensive. Two thirds of the permanent staff—the proportion is even higher in the summer—is directly involved in care and maintenance.

One of the most onerous tasks at Plantations has recently been eliminated. The arboretum crew had reason to celebrate last fall as massive concrete water vaults were installed near McConville Barn. Never again will the crew be seen driving an old yellow and black water tanker from tree to tree, delivering water at the rate of 500 gallons per trip before having to stop for a refill. A hydrant system now supplies water, so the most critical need for establishing new plantings is much more easily met.



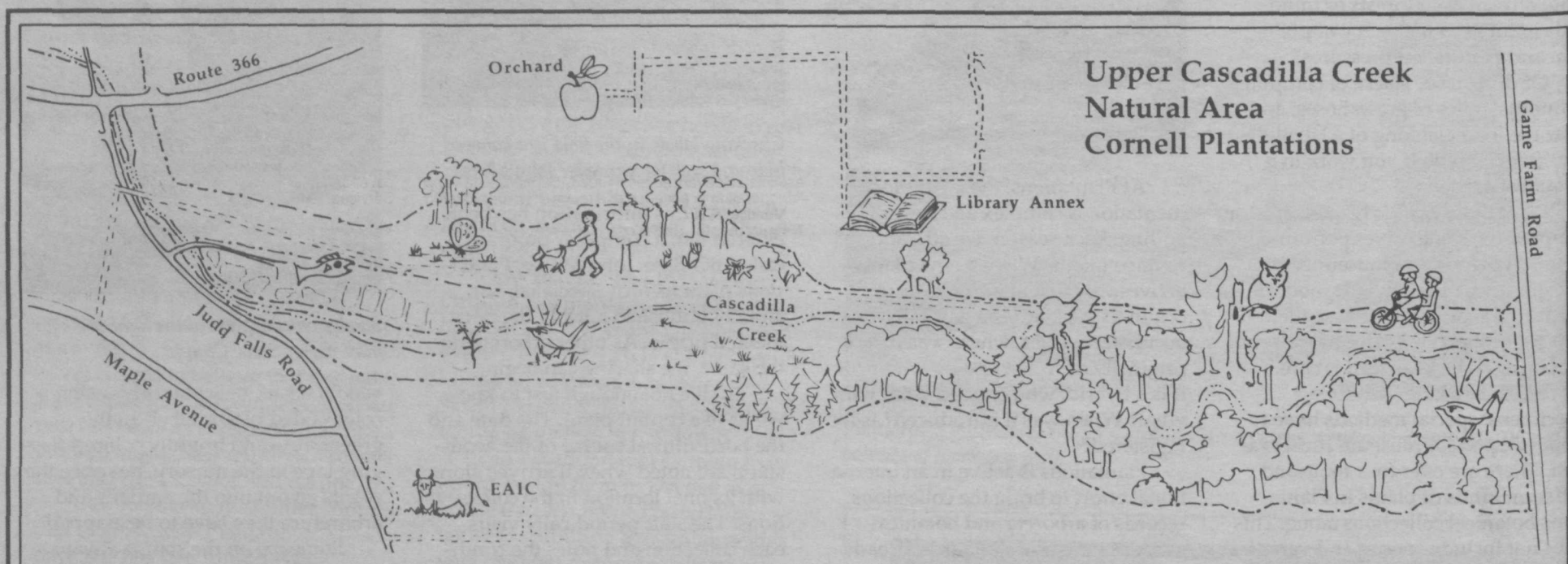


# UPPER CASCADILLA CREEK



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

## NATURAL AREA



1. The fisheries of the Department of Natural Resources have been relying on the water of Cascadilla Creek for their research since the 1930s.



2. An exceptional variety of goldenrods fills the meadow above the stream valley to the south in late summer.



3. The Carolina wren lives in the shrub thickets near the fisheries and above the creek near Game Farm Road.



4. In the wet areas near the fisheries, you can observe the unique feeding behavior of the harvester butterfly. It eats aphids that live on the alder bushes.



5. Summer hikers may see some locally rare plants in the small wetlands of this valley.



6. The slope above the railroad bed supports an excellent stand of oak-hickory forest with an understory of woodland wildflowers in spring.



7. The eastern screech owl haunts the woods, nesting in holes in the standing dead trees along the flood plain. Sighting this little owl is a special treat for local bird-watchers.

----- natural area boundary

----- bike and hiking trail

## Plans for the Future—Evaluation and Conservation

The gorges of Cascadilla and Fall Creek are part of Cornell's well-loved campus natural areas. The creek valleys immediately upstream are also part of this network of preserves and add enormously to the pleasure of campus and community life. Included in the original design of Cornell Plantations, which dates back to the 1930s, these natural areas remain today under Plantations management as resources both for recreation and teaching.

Above the gorge, Cascadilla Creek meanders through a narrow valley between the Cornell Orchard and the meadow north of East Hill Plaza. The portion of the valley that stretches between Judd Falls and Game Farm Roads includes both Plantations Upper Cascadilla Creek natural area and the fisheries of the Department of Natural Resources.

Within our natural area, the Town of Ithaca maintains the former railroad bed as a walking and biking trail. This gravel path passes through a magnificent forest and affords the hiker chances to see and hear the creek as it ripples and rushes.

Campus planners have begun developing long-range plans for the section of campus bounded by Route 366, Game Farm Road, and Cascadilla Creek. Like the gorges on campus, the Upper Cascadilla Creek natural area will be preserved as a band of nature and will be incorporated in planning future campus greenspace.

With this in mind campus planners have begun an environmental review of the area. As part of this process, they have been meeting regularly with Plantations staff and the Natural Areas Committee to discuss ways to protect and possibly restore the Upper Cascadilla Creek natural area. According to committee chair Prof. Peter Marks, the Natural Areas Committee is pleased to be participating in the earliest planning stages "so that we have a good understanding of each other's concerns from the outset."

The planners have suggested, and rightfully so, that this site might be made more appealing. Hikers and bikers who use the trail also know that it has problems—parts of the trail are weedy and scruffy, in places the creek bank is severely eroding, and the trail is a little monotonous because it is so straight.

But naturalists also know that some locally rare plants can be found along the creek and that the relatively clean creek is useful for studying freshwater insects. According to ornithologist Dr. Charles Smith, our natural area is the best birding area within easy walking distance of the Cornell campus. It is home to two seldomly sighted bird species and an unusual butterfly.

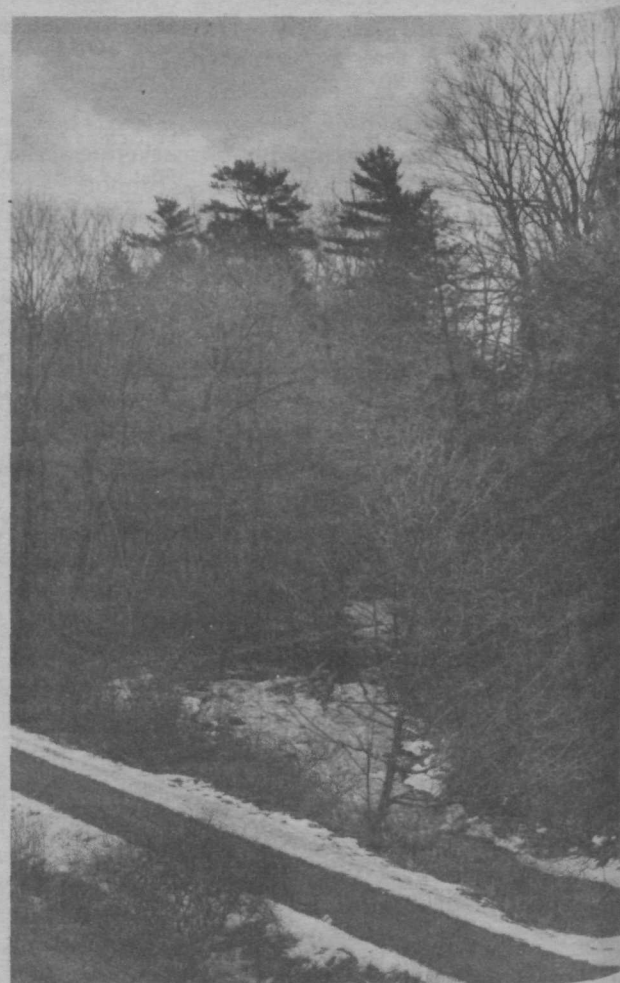
This complex mix of fine natural area—of nearly pristine forest, wetland, and creek bed—next to disturbed areas of weedy vegetation and a scarred landscape may be typical of natural areas in urban settings. Plantations staff and campus planners are hoping to improve the area aesthetically and still retain the natural characteristics we value.

Can this be done? I hope so. The challenge faced at Upper Cascadilla Creek appears to be common in natural areas near population centers.

A way must be found to preserve the best features of this site. At the same time, we need to identify the disturbed areas that need restoration and learn more about how to do it. For example, plantings that attract birds or add variety could make the site more useful for teaching. We need to find the best places for trails, so they provide access from buildings or parking areas, so they are as interesting as possible and sometimes more private.

Connecting this natural area with other campus natural areas is one of the prime objectives of Plantations and the Natural Areas Committee. But most important, we want to preserve this site as a high-quality natural area for the long run.

Nancy Ostman,  
Natural Areas Coordinator



### Nature—Only a Walk Away

Plans are being made to preserve and improve Plantations Upper Cascadilla Creek natural area, a mix of fine native habitats—nearly pristine forest, wetland, and creek bed—next to disturbed areas of weedy vegetation and scarred landscape.