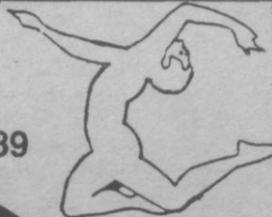
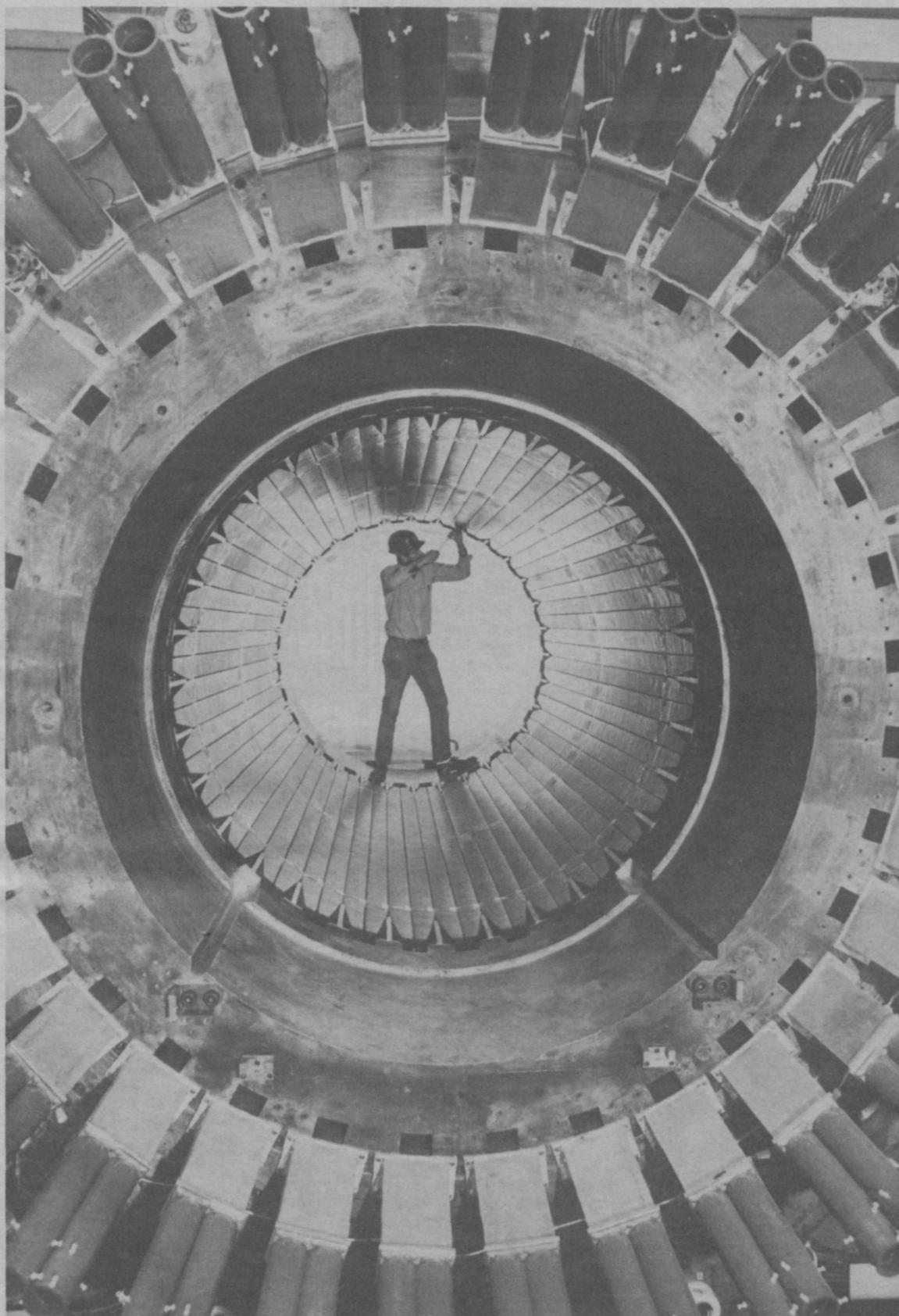


Cornell CHRONICLE

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Charles Harrington

HIGH-ENERGY HARDWARE — At the center of this positron's-eye view of one of the Wilson Laboratory experiments for studying collisions of atomic particles is research equipment technician Dwight Widger, tightening the mountings on time of flight counters. The counters surround a drift chamber, which will be installed later. This in turn surrounds a vacuum chamber where the collisions take place. Tracks made by subatomic particles created in the collisions are detected by wires in the drift chambers. The surrounding counters, which have photomultiplier tubes on each end of them, record the arrival times of the particles. For the past 10 years, physicists from Wilson Laboratory and other universities have been conducting the CLEO I experiment, looking for bottom quarks found in collision debris called B mesons. Bottom quarks are the heaviest of the fundamental particles called quarks that have

been discovered so far. The six hypothesized quarks are known as up, down, charmed, strange, top and bottom quarks. Now, the CLEO apparatus is being upgraded by installing huge crystals of cesium iodide in the detector, making it capable of detecting both charged and neutral particles. Until now, neutral particles have been studied most effectively with the CUSB detector, which sits opposite CLEO on the half-mile-long synchrotron ring. The upgrade of the CLEO detector will increase by tenfold the number of B mesons that can be measured. This should better physicists' chances of finding one of the effects they seek: evidence that bottom quarks degenerate into up quarks as well as charmed quarks. "We must find this or our present understanding of the world is wrong," one of the said. CLEO II's various parts should be assembled by early May, and the experiments will begin this summer.

BTI seeks test for genetically modified virus

Permission to field test a genetically modified insect virus for control of a major insect pest of vegetables is being sought by scientists at the Boyce Thompson Institute for Plant Research.

The researchers have asked the U.S. Environmental Protection Agency to approve the first field test in the United States of a genetically altered insect virus, one that is designed to kill the target insect but not persist in the environment.

To create this altered virus, BTI researchers removed a single gene from a naturally occurring virus. This gene codes for a protective covering for the virus, and without the covering the virus is disabled and cannot persist in the environment.

The field test, planned for Geneva, N.Y., this summer, will help scientists develop new insect-pest-killing viruses that are safer than chemicals. This field test is a joint project of Boyce Thompson Institute and the New York State Agricultural Experiment Station in Geneva.

This proposed field test is the latest in a continuing series with genetically altered organisms that have been successfully conducted throughout the country and overseas.

The researchers will be testing a "baculovirus," a type of virus that does not infect mammals but only invertebrates such as insects. The baculovirus to be tested is called "Autographa californica nuclear polyhedrosis virus" (AcMNPV).

Scientists throughout the United States already have made numerous field applications of the wild-type AcMNPV and other unaltered baculoviruses over the past two decades, according to H. Alan Wood, a virologist at Boyce Thompson who heads the Boyce Thompson-Cornell research team.

In fact, the naturally occurring, or unaltered, AcMNPV was field-tested in Geneva several years ago by Anthony M. Shelton, a Cornell University associate professor of entomology at the New York State Agricultural Experiment Station in Geneva, who will be collaborating with Wood on the field tests of the altered virus. In Shelton's previous tests, some of which were in collaboration with Boyce Thompson scientists, and in tests by colleagues in other states, researchers have not detected any disturbance to the environment or health problems caused by the application of the naturally occurring virus.

Continued on page 6

Merrill Lynch & Co. gives Cornell use of financial data base

Merrill Lynch & Co. Inc. has provided Cornell full access to its Equity and Strategy Screen, a data base with information on more than 1,400 corporations in the United States. The Merrill Lynch system is integrated with six other data bases and is one of the largest financial data bases in the world.

"Cornell is the only university in the country to be given use of this important service," said Avner Arbel, a professor of financial management and investment in the School of Hotel Administration.

"Merrill Lynch is providing the service to us in order to support our academic programs in applied research and for teaching investments and portfolio analysis with state-of-the-arts tools. In combination with the other data bases that we now have, we cover practically every public company in the United States."

Once every two weeks, information is updated on more than 100 variables pertaining to each corporation. The information covers each company's earnings history, market performance of its stock, measurements of its risks, and pro-

Continued on page 6

Notables

Cornell astronomers, **Riccardo Giovanelli** and **Martha P. Haynes** have won the Henry Draper Medal for work primarily conducted at the Arecibo Observatory in Puerto Rico.

They were cited by the National Academy of Sciences for producing the "first three-dimensional view of some of the remarkable large-scale filamentary structures of our visible universe."

Presented every four years by the NAS, the award was established in 1886 for investigations in astronomical physics. It includes a \$4,000 cash prize.

Giovanelli is an adjunct associate professor and head of the radio astronomy group at the observatory, which Cornell operates for the National Science Foundation. Haynes is an associate professor in the Department of Astronomy at Cornell.

The award will be presented on April 24

at the 126th annual meeting of the NAS in Washington, D.C.

Professor of chemistry **George H. Morrison** is giving a series of lectures at the University of Antwerp in Belgium this month as the 1988-89 winner of the Prix Francqui Internationale established in memory of Baron Emile Francqui, governor of the Societe Generale de Belgique before World War II. A member of the Cornell faculty since 1961, Morrison is an international authority on trace elements in chemistry. Some of his most recent work has involved ion distribution in cancer cells. He is editor of *Analytical Chemistry*, considered the most prestigious journal in its field.

Two Cornell geology students have been awarded \$1,000 memorial prizes each. **Noah Najarian**, a senior in the College of

Arts and Sciences, received the Chester Buchanan Memorial Scholarship given each year to an outstanding senior majoring in geology who is recommended by the faculty of the Department of Geological Sciences. The award was established in 1936 by Claire F. Buchanan in memory of her son, who majored in geology at Cornell and who later was killed in an airplane accident in Texas.

Richard Watt, a senior in the College of Engineering, has been awarded the Michael W. Mitchell Memorial prize given to a senior geology student who has proved adept in other fields as well as geology. Watt has excelled in courses in civil engineering and hydrology. The \$1,000 award was established in 1960 by Stephen A. Mitchell and friends in memory of his son, who majored in geology at Cornell and who died in a mining accident in New Mexico in 1959.

Anton Shammass to give lecture here

Palestinian-Israeli novelist Anton Shammass, author of the widely acclaimed "Arabesques," will visit campus on March 2 and 3. He will deliver a lecture, "The Intifadeh: Stones and Afterthoughts," on March 2 at 4:30 p.m. in Kaufmann Auditorium, and he will lead a discussion on the theme, "The Plight of the Storyteller: On Modern Arabic Literature," on March 3 at noon in ILR Conference Room 200.

"Arabesques" is the first major work of fiction written in Hebrew by a Palestinian. Shammass also has written about the Palestinian uprising, the nature of a future Palestinian state and Egyptian Nobel laureate Naguib Mahfouz in the *New York Review of Books* in 1988 and this year.

He is currently a visiting fellow at the University of Michigan. His lecture is being sponsored by the Arabic and Islamic Studies Committee within the College of Arts and Sciences.

Commentary

Late Emperor Hirohito unjustly blamed for Japanese aggression during World War II

T.J. Pempel, a specialist in Japanese politics, is a professor of government. His most recent book is "Japan: The Dilemmas of Success." He wrote this article for The Orlando (Fla.) Sentinel.

Emperor Hirohito, born in 1901, had a boyhood that coincided with Japan's emergence as a major power. His 63-year reign went on to span the country's transition from limp efforts at parliamentarism in the 1920s, through its devastating experience with military rule and aggression, to its recovery from the ashes of World War II and, eventually, its status as the economic superpower it is today.

Yet as he lay dying, British tabloids, focusing on his presumed role as Japan's sovereign in World War II, savaged him as "a worse butcher than Hitler" who would "surely be guaranteed a special place in hell."

Such images of personified evil incarnate stand in perplexing contrast to the frail, myopic marine biologist who regularly waded barefoot along the Sagami Bay to gather laboratory specimens; the grandfatherly figure who nodded approvingly six times a year from his imperial box as sumo wrestlers competed on prime-time television for the cup given in his name; or the daily stroller around the most valuable 275 acres of downtown Tokyo, a man cut off by the imperial moat from the hustle and bustle of the jangling modernity around him.

These two contrasting images reflect the different roles accorded the emperor under Japan's two different constitutions. When

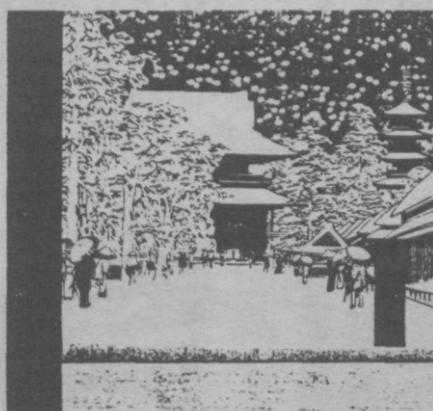
Japan's modernizing oligarchy "restored" Hirohito's grandfather, the Emperor Meiji, to the throne in 1868, they went on to accord him formal powers that had not in fact been exercised by very many of his 121 predecessors since the ninth century. In an effort to unify the country's 250-odd fiefdoms in a concerted effort at industrialization, the reigning oligarchs wrote a constitution that declared that the rights of sovereignty were vested in the emperor. By doing so, they predicated the complete repertoire of prewar Japanese political symbolism on the uniqueness of Japan's national essence as manifested in the imperial will.

Thus World War II, as the several wars that preceded it, was fought in the emperor's name, and the battle cry of "Long live the imperial family" were the dying words of many young Japanese soldiers.

In an effort to democratize this structure of monolithic authority, the American victors in the war wrote a new constitution in which the imperial role was diminished to that of "symbol of the state and of the unity of the people."

But the implications of the competing images of the emperor are more complicated and contemporarily relevant than anything conveyed by perceptions of a youthful warmonger tempered by age, or a brutish authoritarian tamed by new constitutional safeguards.

In the prewar period, the imperial will served as no more than a convenient political fiction that legitimated decisions by Japan's political leaders while protecting the emperor from personal responsibility for the



decisions he ratified. The historical record indicates that Hirohito, the man, was rather consistently introspective, considerate of others, of stubborn integrity and vehemently opposed to the militarization of his nation.

In only two major instances is he known to have personally involved himself in political decision-making. The first of these was in demanding the immediate suppression of a 1936 coup; effort by military fanatics who sought to shatter Japan's embryonic parliamentarism and to increase direct imperial power. The second was in breaking a stalemate in the Cabinet in August 1945 in favor of surrendering to the United States, despite the possibility that doing so might mean the end of the imperial institution and the loss of his own life. Otherwise, the prewar emperor was largely not involved in day to day decision-making.

Using such evidence as justification, the

American forces that occupied Japan chose deliberately to exonerate him from any personal political guilt for World War II, even though they purged, imprisoned or executed hundreds of thousands of other leaders who held far less formal wartime roles. Instead, they swallowed their wartime propaganda so they in turn could use the emperor and his office to smooth the introduction of their own policies, and to undergird their own seven-year rule of Japan.

As a consequence, Hirohito became one of the political world's earliest Teflon leaders — nothing bad could be allowed to stick to the occupant of Japan's highest office; the nearby powerbrokers benefited too greatly from the ability to carry out their actions under the legitimating cloak of his immunity to personal blame.

A balanced assessment of Hirohito, or any other political leader, however, requires that one weigh both the responsibilities accorded that person by position of law as well as his personal integrity or wisdom in exercising that role.

Even for Americans concerned about the emergence of an imperial presidency, the judgment of the British tabloids on Hirohito is undoubtedly far too harsh.

Just as no person can be completely absolved if he fails to act when his office calls for him to have known certain facts and to have acted upon them, so too the most formally powerful leaders must be given partial absolution for sins carried out in the name of their office, when their personal conduct proves them opponents of those very actions.

Cornell Chronicle

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Briefs

■ **Budget forum:** Provost Barker will address issues pertaining to the university's 1989-90 budget at a University Assemblies Open Forum on Budget Policies on March 9 at 4 p.m. in 165 Statler Hall. This is the last chance to ask questions and raise issues before the university's budget is presented to the trustees at their March meeting.

■ **Mbata memorial service:** There will be a memorial service for J. Congress Mbata at 4:30 p.m. on March 8 in Anabel Taylor Hall Chapel. Mbata, a member of the faculty of the Africana Studies and Research Center since its establishment in 1969, died on Jan 14 at the age of 69. Donations may be made to the Cornell University Library/Mbata Fund, 214 Olin Library, Ithaca, N.Y. 14853. Mbata's wife, Elizabeth, also suggests funds may be sent to the Robert Beggs Memorial Fund in memory of her husband. Send those donations to Jack Lewis, RD 3, 226 Hines Rd., Newfield, N.Y. 14867.

■ **Prize money for students:** Thousands of dollars in prize money is available each year to undergraduate and graduate students. The deadlines for entering these Cornell competitions usually fall during the spring term. A booklet titled "Prize Competitions," detailing some 200 opportunities to

win both money and prestige, is available at the Office of the Dean of Faculty in 315 Day Hall, at the reference desks of all libraries on campus and at the Information and Referral Center in the main lobby of Day Hall.

■ **Stop war in El Salvador:** Transportation and housing are being organized for persons wishing to take part in a mass march and rally scheduled for March 18 in New York City under the title, "A National Call to Action to Stop the U.S. War in El Salvador." The transportation is being organized by The Committee on U.S.-Latin American Relations, headquartered at 122 Anabel Taylor Hall, telephone 255-7293. For more details contact Kim Mussman or Kathy Simmonds at CUSLAR office.

■ **Alpha Tau Omega censured:** The Greek Hearing Board has placed Alpha Tau Omega Fraternity on censure until Dec. 1, 1989, based on several incidents, including one involving public lewdness. Under the censure, all members of the fraternity, including pledges, must participate in workshops on human relations and sexual harassment. The fraternity also must improve the appearance of its house and grounds which are at 625 University Ave.

■ **Desktop publishing:** A workshop on desktop publishing is scheduled for March 16 from 7 to 10 p.m. at the Department of Communication Annex, 640 Stewart Ave., under the sponsorship of the Ithaca Press Club. Lorrene Lawrence, training director of the Computing Center at 15 Catherwood Road, will conduct the workshop. The fee is \$12 for club members and \$15 for others. To register, call M.D. Morris at (607) 272-2122.

■ **Workshop on wigs:** A free hands-on workshop on wigs and wig ventilation is scheduled from 1 to 4 p.m. on March 11 at the costume shop of the Center for the Performing Arts, 430 College Ave. All are welcome to observe, but hands-on participation is limited to 15 persons on a first-come, first-served basis and will be conducted by wigmaster and hair stylist Bruce McInroy.

■ **Breakfast with Rhodes:** A limited number of places are available for students to sign up for breakfast with President Frank H.T. Rhodes. His office's telephone number is 255-5201. The breakfasts are held from 7:30 to 8:30 a.m. in the Elmhirsh Room of Willard Straight Hall at various times during the year. Reservations are made on a first-come, first-served basis.

PBS to air story of altruistic bird

Studies by Cornell biologists Stephen T. Emlen and Peter H. Wrege of an unusual African bird, the white-fronted bee-eater, are featured in a Public Broadcasting Service Nature documentary, to be broadcast locally on March 5.

"The Bee-Team" is part of an hour-long program that also covers studies of mammals called meerkats. The program is scheduled for showing at 8 p.m. on WCNY-TV (Channel 24, Syracuse) and at 8:30 p.m. on WSKG-TV (Channel 46, Binghamton). The program was filmed at Kenya's Lake Nakuru National Park by British Broadcasting Corp.

Emlen, a professor of neurobiology and behavior, and Wrege, a research associate, chronicled the activities of hundreds of bee-eaters to learn why they jeopardize their own welfare to help others.

Astrophysicist to lecture on time travel

The author of a widely-publicized paper on the theoretical possibility of time travel and hyperspace will deliver a popular lecture on the subject here on March 15.

Astrophysicist Kip Thorne of the California Institute of Technology, visiting as an A.D. White Professor-at-Large, will discuss "Time Travel and Travel Through Hyperspace: A Physicist's View of Two Topics from Science Fiction." The talk will begin at 8 p.m. in the Schwartz Auditorium of Rockefeller Hall. He will be introduced by Carl Sagan, the David Duncan Professor of Astronomy and Space Sciences.

Thorne, considered one of the world's leading authorities on black holes and gravity waves, also will deliver a technical colloquium on "Recent Caltech Research on Gravitational-Wave Theory and Related Topics" on March 9 at 4:30 p.m. in Schwartz Auditorium.

In an article in the Sept. 26 issue of Physical Review Letters, Thorne, Michael Morris and Ulvi Yurtsever proposed that tunnels through space-time called wormholes could be used by an advanced civilization for time travel and space travel.

According to current theories, the col-

lapse of a massive star forms a sort of cosmic sinkhole that consists of matter squeezed to its ultimate limit. Theory also holds that these black holes can sometimes turn inside out and poke into another part of space-time, producing a tunnel called a wormhole. Most theorists believe that such wormholes squeeze shut instantaneously.

However, Thorne and his colleagues hypothesize that there might be technologies available to enormously advanced alien civilizations that could hold such wormholes open to allow shortcuts across the universe. Such technologies are not guaranteed, but they do not seem forbidden by the laws of physics, say the scientists.

Thorne and his colleagues also offered calculations to show that a certain arrangement of a wormhole could be used as a time machine by advanced civilizations.

Thorne's mathematical speculations were first stimulated by questions from Sagan, who was researching what would become his bestselling novel, "Contact." Not satisfied with the idea of using black holes for interstellar voyaging, Sagan asked Thorne for help. The result was a series of letters from Thorne outlining a way to travel

between the stars via wormholes.

"By the time the book came out, the mechanism I used was just what would later appear in the journal article. I also took the liberty of having the same machinery used for time travel," said Sagan, who presaged in science fiction Thorne's own mathematical wormhole time travel theory.

Thorne's major research has been on the physics of black holes and the ripples in space-time called gravity waves. Such waves are believed to be caused by the oscillations of large masses such as the collapse of dying stars to produce black holes or by colliding black holes. Gravity waves could form the basis for a new field of astronomy. Caltech, Massachusetts Institute of Technology and other institutions are developing advanced gravity wave detectors that would allow scientists to "see" into the depths of exploding stars and black holes, until now inaccessible with telescopes.

Thorne's host at Cornell is astronomy chairman Yervant Terzian. Thorne will be in residence March 8 to 18, and appointments may be made through Terzian's office in 512 Space Sciences, 255-4935.

—Dennis Meredith.

Cornell Cinema series include new films from China, Germany

Six film series have been planned by Cornell Cinema for the month of March: works by new Chinese film makers will be shown on Mondays; new German women's cinema is set for Tuesdays; films by Peter Brook on Wednesdays; American documentary videos on Sundays at 2 p.m. in the Johnson Museum; science fiction films on weeknights; and a four-day symposium, "Memory, Film and the Holocaust," is scheduled for the end of the month.

Most of the films will be shown in Uris auditorium for \$3, but the Cinema sometimes uses the auditorium in Anabel Taylor Hall and some showings are free. For details, see the Cinema's bimonthly calendars or check newspaper listings.

Highlights are:

- The recently-released "Red Sorghum" and three other films from the Fifth Generation of Chinese film makers, the first group to emerge from the Beijing Film Academy, China's only film school, since it reopened after a 12-year hiatus during the Cultural Revolution. These films are critical of both tradition and revolutionary zeal.

- Margit Czenki, whose first feature "Accomplices" was one of the sensations of the last Toronto Film Festival, will open the New German Women's Cinema series on March 7. Ingrid Scheib-Rothbart of the Goethe House in New York City will dis-



Ina Blum in Monika Treut's film, "Virgin Machine," to be shown on March 21 as part of the New German Women's Cinema series.

cuss the current women's film scene in Germany on March 14. The event is being co-sponsored by the Western Societies Pro-

gram, the Council on the Creative and Performing Arts and German Studies.

- Four films by British theater artist Pe-

ter Brook, director of "The Mahabharata" and "Carmen," will be screened, along with a documentary on his directing methods in the theater called "The Empty Space." The Theater Arts Department is co-sponsor.

- Expanding Cinema at the Johnson Museum will show video documentaries ranging from rough-hewn "street-tapes" of the mid-60s to polished mini-documentaries aired on prime-time television in the late 80s. Some of tapes are about anti-Vietnam War protests, coverage of AIDS, military armaments, ethnic and rural communities and the lives of working-class people.

- "The Day the Earth Stood Still," "Sleeper" and "Liquid Sky" are part of the Sci-Fi series. Also included are back-to-back screenings of "Alien" and "Aliens" on March 10 and 11 and Peter Wollen's "Friendship's Death" on March 10.

- Two visiting film makers — Ruth Beckermann of Vienna, whose "Paper Bridge" will be shown on March 29, and Dan Eisenberg, whose "Cooperation of Parts," will be shown the next day — will visit as part of a four-day symposium on film and the Holocaust. A panel discussion will conclude the symposium on April 1. The event is being co-sponsored by German Studies, the Jewish Studies Program, the Western Societies Program and the Council on the Creative and Performing Arts.

Feminism and the legal system topic for March 3-4 symposium

Legal scholars who are applying a feminist perspective to the American legal system will gather on March 3 and 4 for a symposium titled "Feminism and the Law: Creating Justice for All."

"The women who are participating in the symposium all are visionaries — pioneering their way through uncharted territory. They're incorporating women's experiences in law and theory where such a voice has long been absent," said Rebecca Todd, one of the Cornell Law School students who organized the symposium.

Feminist jurisprudence has created a theoretical framework to analyze the entire legal structure and specific laws, Todd said. It has provoked controversy and produced progressive legislation, especially in the areas of rape, pornography, gender discrimination, reproductive rights, divorce and property law, she added.

Many pornography laws, for example, now define pornography as communication that treats the sexes unequally, with one sex being submissive to the other, rather than as something that's morally offensive, Todd said. Also, courts now prohibit attorneys from asking certain questions of alleged

rape victims during the course of a trial, she added.

The symposium's panelists will meet at 7:30 p.m. on March 3 in the Biotechnology Center for a discussion on "Voices for Change: Challenging the Law to Incorporate Women's Experience."

On March 4, each panelist will deliver a lecture in Room G90 of Myron Taylor Hall. The schedule:

- "Contracts, Feminism and Communion," 9 a.m., Patricia Williams, Stanford University Law School,

- "Myth, Allegory and the Feminine," 11 a.m., Drucilla Cornell, senior fellow in the Society for the Humanities at Cornell,

- "Alternative Sexual Discourse," 2 p.m., Christine Littleton, University of California at Los Angeles Law School,

- "The Feminist Peace Movement," 4 p.m., Ann Scales, Boston College Law School.

Commentators on the presentations will include Professor Zillah Eisenstein of Ithaca College and Professors Susan Williams and Nelly Furman of Cornell.

All panel sessions are open to the public. Additional information may be obtained by phoning Kathleen Rourke, Rebecca Todd or Heather Xie at 255-7477.

The symposium is being organized by the Feminism and Law Discussion Series, the Women's Law Coalition and the Law Review.

—Mark Eyerly

ILR historical exhibition highlights black workers in the labor movement

An exhibition focusing on black workers and the railroads, on civil rights and the labor movement, and on labor education is open through May 12 at the Martin P. Catherwood Library on the first floor of Ives Hall, part of the School of Industrial and Labor Relations.

The exhibit, "Primary Sources on Black History in the Labor-Management Documentation Center," was inspired by Black History Month. There are pamphlets dating back to 1914; photographs from the 1930s and 1940s of summer schools for black workers, including one at Bryn Mawr College near Philadelphia; and letters and photographs of such noted black labor leaders as A. Phillip Randolph.

Other items include a telegram from Martin Luther King Jr. and photographs of the civil rights movement in the 1960s.

"Although black historiography has burgeoned since World War II, the history of black workers still remains underrepresented in most historical repositories," said Richard Strassberg, archivist of the ILR School's Labor-Management Documentation Center in Catherwood Library.

The center at Cornell is an exception, however. It contains the historical

files of several unions that represented substantial numbers of black workers, Strassberg said. These include the records of the National Union of Hospital and Health Care Employees Local 1199, the Amalgamated Clothing and Textile Workers, and the International Ladies Garment Workers Union.

Records on microfilm that relate to black workers also are housed in the documentation center. Such records include: black workers in the Era of the Great Migration, 1916-1925; East St. Louis Race Riots of 1917; Selected Documents of the Fair Employment Practices Commission; Operation Dixie: The CIO Organizing Committee Papers, 1946-1953; and Southern Tenant Farmers Union Papers, 1934-1970.

Of particular importance is the Black Worker, the newspaper of the Brotherhood of Sleeping Car Porters, which is housed in the Catherwood Library, Strassberg said.

Other primary sources on black workers within the Cornell University Libraries are the microfilm collections in the Africana Studies and Research Center Library relating to the civil rights movement and the Schomburg Clipping Files in Olin Library's Maps, Microtexts and Newspapers Department.

Recycle this paper

CALENDAR

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

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

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

DANCE

Theatre Arts

Dance Concert '89 will be held March 9, 10 and 11 at 8 p.m. in the new proscenium theatre, Center for Performing Arts. An evening of original choreography by faculty and students of the Department of Theatre Arts and visiting guest artist Jeff Slayton. Tickets are \$3.50 for students and senior citizens and \$5.50 for the general public and are on sale at the Center for Performing Arts Box Office or by calling 254-ARTS.

Cornell International Folkdancers

The Cornell community and general public, including beginners, are welcome to join in folkdancing. Admission is free.

Meet on March 5, 7:30 to 10:30 p.m., Memorial Room, Willard Straight Hall. For more information, call Wies van Leuken: 257-3156.

Israeli Folkdancing

Folkdancing, Thursday evenings, 8:30 p.m. in the Edwards Room, Anabel Taylor Hall.

Swing & Jitterbug Dancing

Every Wednesday, 8 to 10 p.m., Edwards Room, Anabel Taylor Hall. Three-week introductory class beginning March 1, 8 to 9 p.m.; no partner needed. For more information, call 273-0126.

EXHIBITS

Johnson Art Museum

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

"Joan Mitchell," the first major retrospective exhibition of the paintings of this New York School abstract artist, including more than 50 canvasses spanning her career from 1951 to the present, through April 23.

A children's workshop, "Talking Colors," will be given by museum intern Margaret Egan in conjunction with the Joan Mitchell exhibition on March 4 and again on March 11, from 10 a.m. to noon. Children will visit the galleries to examine the paintings and take part in activities to teach them about the expressive possibilities of color. A fee of \$10 will be charged.

"American Art to 1945," an exhibition of 19th-century landscapes and cityscapes and 20th-century paintings and sculpture, will be on view through the end of May. Most of the works are from the museum's own collection.

Hartell Gallery

Work by Portuguese artist Alvaro Siza, through March 4. Gallery situated in Sibley Dome, open Mon. to Fri. 8 a.m. to 5 p.m.

Olin Library

"Washi: Japanese Handmade Paper," beautifully designed and crafted examples of this centuries-old art form, on exhibit Monday-Friday, 8 a.m. to 5 p.m., through March 22.

Textiles & Apparel Gallery

Work by Japanese painter and textile designer Ryozo Morishita, visiting fellow in the Department of Textiles and Apparel, through March 17, Monday to Saturday, 2 to 6 p.m., Room 317, Martha Van Rensselaer Hall.

Willard Straight Hall Art Gallery

"Self-Portraits," by Rich Carbin through March 10.

FILMS

Films sponsored by Cornell Cinema unless otherwise noted. An (*) means an admission charge.

Thursday, 3/2

"Ordeal by Fire," sixth part of "Jewel in the Crown" series, sponsored by the South Asia Program, 5 p.m., 310 Uris Library.

"Who Framed Roger Rabbit?" directed by Robert Zemeckis, with Bob Hoskins, Joanna Cassidy and Alan Tilvern, 9:30 p.m., Uris.*

Friday, 3/3

"Exploitation," Episode 4 in the nine-hour PBS series "The Africans," narrated by Ali A. Mazrui, A.D. White Professor-at-Large, who will be present to lead a follow-up discussion, 4:30 p.m., Africana Center, 310 Triphammer Rd.

"A World Apart" (1987), directed by Chris Menges, with Barbara Hershey, Jodhi May and Linda Mvusi, 7 p.m., Uris.*

"The Day The Earth Stood Still" (1951), directed by Robert Wise, with Michael Rennie and Patricia Neal, 8 p.m., Anabel Taylor.*

"Who Framed Roger Rabbit?" 9:40 p.m., Uris.*

"Tougher Than Leather" (1988), directed by Rich Rubin, with RUN DMC, Richard Edson and Beastie Boys, midnight, Uris.*

Saturday, 3/4

"Who Framed Roger Rabbit?" noon, Uris.*

"Tales From Other Lands," concluding series of the IthaKid Film Fest, includes "A Story, A Story"; "A Little Girl and the Gunny Wolf"; "Miguel: Up From Puerto Rico"; and "Taleb and His Lamb," co-sponsored by the Ithaca Youth Bureau and Johnson Museum, 2:30 p.m., Uris auditorium. (Transportation will be provided from the Greater Ithaca Activities Center because the film was originally scheduled to be shown downtown.)

"A World Apart," 7:15 p.m., Uris.*

"Fahrenheit 451" (1966), directed by Francois Truffaut, with Julie Christie and Oskar Werner, 8 p.m., Anabel Taylor.*

"Tougher Than Leather," 9:45 p.m., Uris.*

Sunday, 3/5

"American Documentary Video I," 2 p.m., Johnson Museum.

"Cabin In The Sky" (1943), directed by Vincente Minnelli, with Eddie Anderson, Ethel Waters and Lena Horne, co-sponsored by Africana Studies, 4:30 p.m., Uris.*

"Who Framed Roger Rabbit?" 8 p.m., Uris.*

Monday, 3/6

"Phans of Jersey City," sponsored by the Field and International Study Program, 2:30 p.m., N207 Martha Van Rensselaer Hall.

"In Search of Stability," Episode 6 in "The Africans," narrated by Ali A. Mazrui, A.D. White Professor-at-Large, who will be present to lead a follow-up discussion, 4:30 p.m., Africana Center, 310 Triphammer Rd.

"Hibiscus Town" (1986), directed by Xie Jin, with Liu Xiaqing, Jiang Wen and Zheng Aishi, co-sponsored by the Chinese Students, 8 p.m., Uris.*

Tuesday, 3/7

"Accomplices" (1987), with guest director Marget Czenki, with Pola Kinski, Therese Afolter and Gerline Eger, co-sponsored by German Studies, 8 p.m., Uris.*

"A Conflict of Cultures," Episode 8 in "The Africans," narrated by Ali A. Mazrui, A.D. White Professor-at-Large, who will be present to lead a follow-up discussion, 4:30 p.m., Africana Center, 310 Triphammer Rd.

"Land Dyaks of Borneo and The Bajao: Sea-going Nomads," sponsored by Southeast Asia Program, 4:30 p.m., 310 Uris Library.

Wednesday, 3/8

"Phans of Jersey City," 12:20 p.m., N207 Martha Van Rensselaer Hall.

"The End of Summer," Kohayagawa-ke no Aki (Yasujiro Ozu, 1961), sponsored by the East Asia Program, 4:30 p.m., L-04 Uris.

"Marat/Sade" (1967), directed by Peter Brook, wit Patrick Magee and Glenda Jackson, 7 p.m., Uris.*

"A Fish Called Wanda" (1988), directed by Charles Crichton, with John Cleese, Michael Palin and Jamie Le Curtis, 9:30 p.m., Uris.*

Thursday, 3/9

"Africa in the World," Episode 9 in "The Africans," narrated by Ali A. Mazrui, A.D. White Professor-at-Large, who will be present to lead a follow-up discussion, 12:15 p.m., Africana Center, 310 Triphammer Rd.

"The Hero's Adventure," part one of the six-part video series "Joseph Campbell and the Power of Myth," sponsored by the Alternatives Library, 4 p.m., Commons Coffeehouse, Anabel Taylor Hall.

"A Fish Called Wanda," 9:45 p.m., Uris.*

LECTURES

A.D. White Professor-at-Large

"Cultural Power in North-South Relations," Ali A. Mazrui, Afro-American and African Studies, and political science, University of Michigan, and A.D. White Professor-at-Large, March 2, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall. This is the first in a two-part series on "Cultural Forces in Global Politics: A Black World Perspective."

"Cultural Power in East-West Relations," Ali A. Mazrui, March 9, 4:30 p.m., Hollis E. Cornell.

Arabic & Islamic Studies Committee

"The Intifadeh: Stones and Afterthoughts," Anton Shammam, visiting fellow, University of Michigan, March 2, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

"The Plight of the Storyteller: On Modern Arabic Literature," Anton Shammam, visiting fellow, University of Michigan, March 3, noon, Room 200, ILR Conference Center.

Archaeology

"Balloon Archaeology: Ancient Greece and Crete from the Air," J. Wilson Myers, archaeology, Boston University, sponsored by the Finger Lakes Society of the Archaeological Institute of America, March 9, 8 p.m., 22 Goldwin Smith Hall.

Arts & Sciences

Isaac Kramnick, the Richard J. Schwartz Professor of Government, will give a talk immediately following the dedication of The Richard J. & Shelia W. Schwartz Auditorium in Rockefeller Hall (formerly Rockefeller Auditorium), March 6, 4 p.m.

Campus Club of Cornell

Premiere talk on Daniel Ridgway Knight and Louis Aston Knight, Pamela Beecher, Ph.D. candidate, history of art, March 9, 10 a.m., Johnson Museum of Art.

Classics

"Incompatible Goods: Freedom and Abundance," W. Ralph Johnson, University of Chicago, March 7, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall. This is the fourth of seven Townsend Lectures on "Askesis and Caprice: Freedom in Horace's 'Epistles.'"

Cornell Graduate Christian Forum

"Gender, Work and Christian Vocation," Mary Stewart Van Leeuwen, interdisciplinary studies/philosophy, Calvin College, Grand Rapids, Mich., March 3, 8:15 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

East Asia Program

"A Critique of the Cult of Moral Integrity in Chinese Cultural Tradition," Liu Xiaobo, literary critic, March 3, 4:30 p.m., 230 Rockefeller Hall.

"Historical Allusion and the Defense of Identity: Malaysian Chinese Popular Religion," Jean DeBernardi, anthropology, Bryn Mawr College, March 7, 4:30 p.m., 374 Rockefeller Hall.

History of Art

"New Discoveries From the Cleaning of Michelangelo's Sistine Ceiling," Kathleen Weil-Garris, Institute of Fine Arts of New York University, March 3, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

Law

"Human Choice and Climatic Change: Managing The Global Environment," Steve Rayner, anthropologist, March 3, 4:30 p.m., Room 285, Law School. This is part of a continuing series on law and the global environment.

Natural Resources

"The U.S. Stake in the Global Environment," Norman Myers, author and conservationist, March 8, 4:30 p.m., 45 Warren Hall.

Society for the Humanities

"The Sublimated *Cogito*: Perrault's Cartesianism," Philip E. Lewis, romance studies, March 8, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall. This is the society's annual Invitational Lecture.

University Assemblies Open Forum

An open forum discussion of Cornell's budget policies, with Provost Robert Barker, March 9, 4 p.m., 165 Statler Hall.

Western Societies

"German Women Filmmakers in the 1980s: a New Generation," Gabriele Weinberger, German studies and "Post-Feminism and Women Film Workers," Margit Czenki, film director, Hamburg, West Germany, March 7, 5 p.m., G08 Uris Hall. In conjunction with a series of films "New German Women's Cinema," co-sponsored by Cornell Cinema.

MUSIC

Bailey Hall Series

The Orpheus Chamber Orchestra and pianist Alfred Brendel will perform on March 9 at 8:15 p.m. in Bailey Hall. The program is Symphony No. 83 "La Poule" by Haydn; the Concerto for Piano and Orchestra K. 414 by Mozart, with Brendel as soloist; the Simple Symphony for String Orchestra by Benjamin Britten; and the Chamber Symphony No. 2, Op. 38 by Arnold Schoenberg. Tickets for the concert are on sale at the Lincoln Hall ticket office Monday through Friday, 9 a.m. to 1 p.m. Tickets are \$15, \$18, \$21 and \$24 for the general public and \$13, \$15, \$18 and \$21 for students.

Department of Music

Malcolm Bilson will give the first performance on the recently-acquired copy of an 1814 Nannette "Streicher" fortepiano, March 4, 8:15 p.m., in Sage Chapel. The program is Franz Schubert's "Impromptu in F Minor, Op. 142, No. 1," Bohemian Jan Vaclav Vorisek's "Fantasy, Op. 12"; Felix Mendelssohn's "Rondo Capriccio, Op. 14"; Ludwig van Beethoven's "Seven Bagatelles"; and Schubert's "Sonata in D Major, Op. 53."

Cornell Wind Ensemble, under the direction of Marice Stith, will give a performance on March 5 at 4 p.m. in Bailey Hall. The concert will include Robert Jager's "The Seal of the Three Laws"; Leonard Bernstein's "Divertimento"; Ottorino Respighi's "Huntingtower"; and Vaclav Nelhybel's "Songs of Praise"; and Brian Israel's "Concerto for Baritone Saxophone and Concert Band," with Vera Versteeg as soloist.

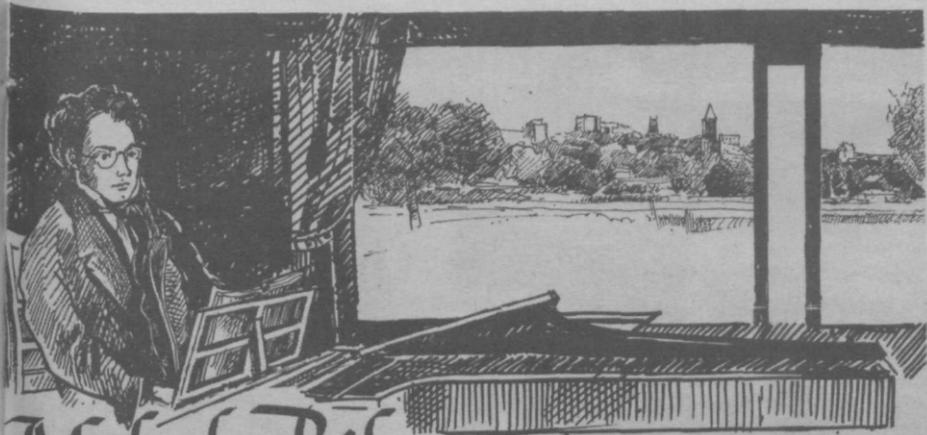
Sanford Sylvan, baritone, and David Breitman, piano, will present a concert of "American Originals," music of Earl Kim, David Leisner, John Harbison and Aaron Copland, including Copland's "Twelve Poems of Emily Dickinson," on March 5 at 8:15 p.m. in Barnes Hall. Sylvan has performed with the New York Philharmonic under the direction of Pierre Boulez, with the San Francisco Symphony, with "Music from Marlboro," and in numerous productions of opera directed by Peter Sellars, including Mozart's *Così fan tutte* and in the world premiere of John Adam's *Nixon in China*.

Student Piano Recital on March 6 at 8:15 p.m. in Barnes Hall featuring Prokofiev's "Second Sonata"; Liszt's "Piano Sonata"; Beethoven's "Piano Sonata, Op. 7" and other works of Brahms, Mendelssohn and Bartok.

David Brackett and Christopher Hopkins will present their Doctor of Musical Arts composition recital on March 8 at 8:15 p.m., in Barnes Hall. Brackett will conduct his "Woodwind Quintet" (1986) and the premiere of his "Chamber Concerto" (1989). "Duo for Viola and Piano" (1987) will be presented by George Rosenbaum, viola and David Feurzeig, piano. Hopkins will perform as cellist in his compositions "Trio for Marimba, Piano and Cello" (1986) and in "Quartet for Piano and Strings" (1987). He will conduct the premiere of his new composition for piano, percussion and electronics.

Bound for Glory

Robin Greenstein, singer from Manhattan, performing three live sets in the Commons Coffeehouse, 8:30 p.m., 9:30 p.m. and 11:30 p.m., March 5. Bound for Glory can be heard from 8 to 11 p.m. on WVBR-FM93.



Malcolm Bilson on the recently acquired copy of an 1814 Nannette Streicher fortepiano. Works of Schubert, Liszt, Mendelssohn & Beethoven. On Saturday, March 4, 8:15 p.m. **SAGE CHAPEL** Admission free

Malcolm Bilson plays the piano, with the Cornell campus skyline behind him, in this pen-and-ink drawing by H. Peter Kahn, who delights in depicting famous musicians performing in Ithaca. Kahn, professor emeritus of the history of art, also did the calligraphy for these Music Department posters.

Center for Religion, Ethics & Social Policy (CRESP)

Folksinger/guitarist Geof Morgan will play on March 4 at 8 p.m. in the Commons Coffeehouse, Anabel Taylor Hall. Tickets are \$5 to \$10 on a sliding scale and will be sold at the door.

Cornell Concert Commission/Third World Student Programming Board

Ladysmith Black Mambazo, with guest Samite, will perform on March 6 at 8 p.m. in Bailey Hall. The group has appeared on many television shows, including The Tonight Show and Sesame Street and recently won a Grammy for best traditional album for "Shaka Zulu." Tickets are \$4.50-\$6.50 for students (2 tickets per C.U. ID) and \$6.50-\$8.50 for general public. Tickets are on sale at Willard Straight Hall Ticket Office, Ithaca Compact Disc, Rebob Records and Ticketron/Telecharge.

Cornell Folk Song Club

Country flatpicker Doc Watson and singer/songwriter Tom Paxton will perform in concert on March 3 at 8 p.m. in Statler Auditorium. They will perform separate sets and sing a few songs together. Tickets are available at Borealis Books, Rebob Records and the Commons Coffeehouse and by mail from the Folk Song Club, Box 481, Ithaca, N.Y., 14851. General admission is \$9, with a \$2 discount rebated at the door for senior citizens, children and members of the Folk Song Club.

Willard Straight Hall

Music by Rim Rivera and Dave Segal, March 2, 8 to 9 p.m. and Timothy Weber 9 to 10 p.m., in the Memorial Room, Willard Straight Hall. "Classics at Noon," with pianist Tom Wong, March 8, noon, in the Memorial Room, Willard Straight Hall.

RELIGION

Sage Chapel

Beverly A. Tasy, assistant director, University Ministries, will deliver the sermon at Sage Chapel on March 5. Services begin at 11 a.m. Music will be provided by the Sage Chapel choir, under the direction of Donald R.M. Paterson.

Catholic

Mass: Every Saturday, 5 p.m., every Sunday, 9:30 and 11 a.m., and 5 p.m., Anabel Taylor Auditorium. Daily Masses Monday through Friday, 12:20 p.m., Anabel Taylor Chapel.

Christian Science

Testimony Meeting: Every Thursday, 7 p.m., Anabel Taylor Founders Room.

Episcopal (Anglican)

Every Sunday, 5 p.m., Anabel Taylor Chapel.

Friends (Quakers)

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

Jewish

Morning Minyan: Young Israel House, 106 West Avenue. Call 272-5810. Reform Services: Friday evenings 5:30 p.m., Anabel Taylor Chapel. Conservative/Egalitarian Services: Friday 5:30 p.m., Saturday 9:45 a.m., Anabel Taylor Hall Founders Room. Orthodox Shabbat Services: Friday evenings, Young Israel, 106 West Ave. Call 272-5810; Saturday 9:15 a.m., Edwards Room, Anabel Taylor Hall.

Korean Church

Every Sunday, 1 p.m. Anabel Taylor Chapel.

Muslim

Sunday through Thursday, 1 p.m., 218 Anabel Taylor Hall. Friday 1 p.m. Anabel Taylor Edwards Room.

Protestant

Protestant Cooperative Ministry: Bible Study will begin 10 a.m., G-7, Anabel Taylor Hall. Worship every Sunday, 11:00 a.m., Anabel Taylor Chapel. Baptist Campus Ministry (SBC): Every Saturday, 7 p.m., in the Forum, Anabel Taylor Hall.

Zen Buddhism

Zazen meditation: Tuesdays at 7 p.m. and Thursdays at 5:10 p.m. in the chapel or the Edwards Room, Anabel Taylor Hall. For more information or to arrange beginner's instruction, telephone Ian Dobson: 347-4303.

SEMINARS

Africana Studies & Research Center

"What's In a Name: African-American, Black or What?" Ali A. Mazrui, University of Michigan and A.D. White Professor-at-Large, with James Turner and Locksley Edmondson, Africana Studies, March 8, 12:15 p.m., Hoyt W. Fuller Room, Africana Studies and Research Center, 310 Trumphammer Rd.

Agricultural Economics

"Measuring Succession," Harold Hastings, Hofstra University, March 9, 12:30 p.m., 135 Emerson Hall.

Agronomy

"Multiplying Land Grant Information Through a Crop Management Association," John Deibel, Western New York Crop Management Association Cooperative, March 7, 4 p.m., 135 Emerson Hall.

Applied Mathematics

"Models for Pair Formation," Roland Waldstatter, applied mathematics and ecology and systematics, March 3, 4 p.m., 322 Sage Hall.

Astronomy

"Submillisecond Optical Pulsar in Supernova 1987a," Carl Pennypacker, Livermore Berkeley Labs, March 2, 4:30 p.m., 105 Space Sciences.

"Recent Caltech Research on Gravitational Wave Theory and Related Topics," Kip Thorne, Caltech, March 9, 4:30 p.m., Schwartz Auditorium (formally Rockefeller Auditorium), Rockefeller Hall.

Biochemistry, Molecular & Cell Biology

"The Structure of the Cuticular Plate, and Actin Network," David DeRosier, Rosenstiel, Basic Medical Sciences, Brandeis University, March 3, 4:30 p.m., Conference Room, Biotechnology Bldg.

Chemistry

Title to be announced, John Partridge, Glaxo Research Laboratories, March 6, 4:40 p.m., 119 Baker. Organic Chemistry Colloquium.

Cooperative Extension Forum

"Potential for Partnerships in Addressing Emerging Environmental Problems," March 6, 9 a.m., 401 Warren Hall. An overview will be given by Roger Morse, chairman of the department of entomology; Eugenia Barnaba will be the moderator. Speakers will be Simon Levin, director, Center for Environmental Research; Warren Philipson, director, Cornell Laboratory for Environmental Applications of Remote Sensing; Keith Porter, director, Water Resources Institute; and Richard Schuler, director, Waste Management Institute.

Cornell Research Club

"Arms Control in Europe," Kurt Gottfried, physics and nuclear studies, March 2, 12:50 p.m., Faculty Commons, Martha Van Rensselaer Hall.

Ecology & Systematics

"Plant Development, Life History and Demography," Monica A. Geber, biology, University of Utah, March 6, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall. "Genetics of Plant Interactions: Progress and prospects," Ruth G. Shaw, botany and plant sciences, University of California, Riverside, March 8, 4:30 p.m., A106 Corson Hall.

Education Society

"Misconceptions: A Misconception or What?" Joe Diaz, Ph.D. candidate, field of education, March 7, 1:25 p.m., 131 Roberts Hall.

Electrical Engineering

"High-Level Synthesis of Digital Hardware," Raul Camposano, IBM T.J. Watson Research Center, Yorktown Heights, March 7, 4:30 p.m., 219 Phillips Hall.

Entomology

"Plant Stress and Damage and Insect and Disease Resistance," Clive Jones, Institute of Ecosystems Studies, Millbrook, N.Y., March 6, 4 p.m., A106 Corson/Mudd

Environmental Toxicology

"Influence of Alternative Host Plant Feeding on Differential Aldrin Resistance in Western and Northern Corn Rootworms," Blair Siegfried, entomology, March 3, 12:20 p.m., 14 Femow Hall.

Epidemiology

"Infant Mortality and Fertility in China," Dudley Poston, rural demography, March 6, 12:20 p.m., 201 Warren Hall.

Floriculture & Ornamental Horticulture

"Cultural and Chemical Approaches to Controlling Moss on Golf Greens," Norman Hummel, floriculture and ornamental horticulture, March 2, 12:15 p.m., 404 Plant Science. "New Strategies for Management of Turf Diseases," Eric Nelson, plant pathology, March 9, 12:15 p.m., 404 Plant Science Bldg.

Food Science & Technology

"Distribution of Listeria Species in Processing Plant Environments," Catherine W. Donnelly, animal science, University of Vermont, March 7, 4:30 p.m., 204 Stocking Hall.

Geological Sciences

"Recent Diagenetic Reactions in a Tertiary Basin: Timing of Hydrocarbon Emplacement," James R. Boles, geology, University of California, Santa Barbara and American Association of Petroleum Geologists distinguished lecturer, March 7, 4:30 p.m., 1120 Snee Hall.

History & Philosophy of Science & Technology

"Justus Liebig and the Giessen School of Chemistry," Frederic L. Holmes, history of medicine, Yale University School of Medicine, March 2, 4:30 p.m., 165 McGraw Hall.

Immunology

"Special Features of Cell Mediated Immune Responses to Xenografts," Hugh Auchincloss Jr., surgery, Massachusetts General Hospital, Boston, March 3, 12:15 p.m., G-3 Vet Research Tower.

International Nutrition
"Sociomedical and Cultural Factors in Ascariasis," Diva Sanjur, nutritional sciences, March 2, 12:15 p.m., 200 Savage Hall.

International Studies in Planning
"Archeology and Urban Development Planning in Italy," Roberto Einaudi, architect and director of the Cornell-in-Rome Program, March 3, 12:15 p.m., 115 Tjaden.

Latin American Studies Program
"Climate Effects on Agriculture and Ecological Systems in Venezuela," Miguel Acevedo, systems ecologist, Universidad de Los Andes, Venezuela, March 8, 12:15 p.m., G-08 Uris Hall.

Materials Science & Engineering
"Hexagonal Si: A Martensitic Transformation," Pirouz Pirouz, Case Western Reserve University, March 2, 4:30 p.m., 140 Bard Hall. "Chemically-Sensitive High-Resolution STEM: Semiconductors and Superconductors," Steve Pennycook, Oak Ridge, March 9, 4:30 p.m., 140 Bard Hall.

Mechanical & Aerospace Engineering
"The Response of Particles to a Flat Plate Turbulent Boundary Layer," Chris B. Rogers, Stanford University, March 2, 1 p.m., 282 Grumman. "A Quantitative Approach to the Selection and Partitioning of Measurements and Manipulations for the Control of Complex Systems," C.N. Nett, Rensselaer Polytechnic Institute, March 7, 4:30 p.m., 111 Upson.

Microbiology
"Regulation of Proline Transport and Utilization by *Salmonella typhimurium*," Stanley Maloy, microbiology, University of Illinois, Urbana, March 2, 4:30 p.m., 124 Stocking Hall. "Feline Immunodeficiency Virus: A Cat's-Eye View," Peggy Barr, microbiology, immunology & parasitology, March 6, 12:15 p.m., G-3 Vet Research Tower. "Genetic Studies of the Structure and Regulation of the Vitamin B12 Transport Proteins in the *E. coli* Outer Membrane," Robert Kadner, microbiology, University of Virginia, Charlottesville, March 9, 4:30 p.m., 124 Stocking Hall.

Natural Resources
"U.S. Stake in the Global Environment," Norman Myers, consultant in environment and development, Oxford, England, March 8, 4:30 p.m., 45 Warren.

Neurobiology & Behavior
"Cellular Substrates of Learning," William Greenough, neural and behavioral biology, University of Illinois, March 9, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Nutrition
"Pesticide, Nitrate and Alternative Agriculture - Healthy Public Policy and Food Safety," Kathy Clancy, human nutrition, Syracuse University, March 6, 4:30 p.m., 100 Savage Hall.

Operations Research & Industrial Engineering
"Commitment to Quality: Higher Quality AND Lower Cost," March 2, 4:30 p.m., B-14 Hollister Hall. "GM's Factory of the Future," James P. Caie, Jr, March 9, 4:30 p.m., B-14 Hollister.

Ornithology
"Restoring Puffin and Tern Colonies on the Maine Coast," Stephen W. Kress, National Audubon Society, ornithology, March 6, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

Peace Studies Program
"Command Performance: The Neglected Dimension of European Security," Paul Stares, The Brookings Institution, March 2, 12:15 p.m., G-08 Uris Hall. "The Status of Arms Control," Spurgeon Keeny, Arms Control Association, March 9, 12:15 p.m., G-08 Uris Hall.

Pharmacology
"Inositol Phosphate and Calcium Signaling," James Putney, National Institute of Environmental Health Sciences, March 6, 4:30 p.m., G-3 Vet Research Tower.

Physiology
"The Role of Intestinal M Cells and Trans-epithelial Transport in Mucosal Immunity," Marian Neutra, anatomy and cellular biology, Harvard Medical School, March 7, 4:30 p.m., G-3 Vet Research Tower.

Virus *continued from page 1*

If the proposed Boyce Thompson-Cornell test is successful, the disabled virus could become the basis for development of new, environmentally safe, insect-specific pesticides designed to seek out and destroy only given insect pests and then disappear from the environment without harm to other organisms or the environment. Such non-persistent viruses could be further modified to carry other genes which would make the virus more toxic only to the targeted pest insects, such as genes which would affect their development, feeding or reproduction.

Making the virus non-persistent is the first step needed so that these further-modified viruses will not persist in the environment. Permission to field test any further modifications of the non-persistent virus also would have to be sought from the EPA.

"Such a microbial pesticide could become an alternative to synthetic chemical pesticides that sometimes create health and environmental problems," Wood said.

The specificity of microbial insecticides means that, in contrast to chemicals, they would not harm beneficial insects such as bees, Wood said. "Our goal is to mimic the epidemics of virus infections which occur naturally," he continued. "The aim is to induce a viral epidemic in insect pests before significant economic damage by insect pests occurs to agricultural crops and trees."

Shelton added that "this new type of microbial insecticide could play an important role in pest management programs because growers would be able to apply this new type of insecticide with their existing technology. Growers throughout the world are already using naturally occurring pathogens to control several major pests of vegetables, and this has provided tremendous benefit to growers, consumers and the environment."

The federal agency is expected to rule on the request sometime this spring, according to Wood. BTI and Cornell policies require that any such tests be approved by the appropriate federal agency. Other scientists involved in this project from Boyce Thompson are Nikolai Van Beek, a postdoctoral associate; Martha Hamblin, a research specialist; and Patrick Hughes, an entomologist.

The parent of the genetically disabled AcMNPV virus naturally kills the cabbage looper, a pale green caterpillar that is a major pest of more than a dozen kinds of vegetables, including cabbage, beets, broccoli, brussels sprouts, cauliflower and collards.

AcMNPV belongs to a group of more than 500 widespread baculoviruses that cause viral epidemics in a number of agricultural and forest insect pests, including gypsy moths, cabbage looper, corn borers, tobacco budworm and Douglas-fir tussock moth.

For example, sudden population crashes of gypsy moths, which often occur in heavily infested areas, are due to epidemics caused by a naturally occurring baculovirus, Wood noted. These viruses, however, have one major drawback: They do not kill target insects fast enough, making them less cost effective than most chemical pesticides.

Nevertheless, the EPA already has approved the registration of several natural baculoviruses as microbial pesticides for control of insect pests such as gypsy moth, cotton bollworm, the European pine sawfly and Douglas-fir tussock moth.

For the proposed test, the Boyce Thompson researchers removed a critical gene — called the "polyhedrin gene" — from the AcMNPV. This gene is the blueprint for a protein covering called "polyhedron" that protects clusters of virus particles from inactivation until the particles find their way

into insect cells. The disabled virus is otherwise identical to the naturally occurring wild-type virus: The genetic disability does not affect the virus's replication or pathogenicity. Although baculoviruses are readily inactivated by sunlight when on plant foliage, they can survive in soil and plant debris for years.

"When insect pests pick up the virus from plants and other sources, the virus's protective body dissolves in the gut, releasing the virus particles to attack insect cells," Wood said.

The gene deletion guarantees, however, that the disabled virus could survive for only short periods in the environment. Laboratory experiments have shown that a disabled virus is unable to live for more than a few days. Such disabling of an insect-killing virus is important because "we want to prevent the genetically altered virus from displacing natural virus populations," Wood explained. This necessary vulnerability, however, poses a problem for the researchers seeking to deliver the virus intact into target insects.

To provide limited protection to the virus, the scientists will allow it to "hitchhike" within the protein covering produced by a normal wild-type virus.

In what is known as a "co-occlusion process," the scientists mix the genetically engineered virus with the unaltered, wild-type virus. The envelope produced by the wild-type virus also shelters the genetically disabled virus. Laboratory experiments at Boyce Thompson have demonstrated that the process works, protecting the wild-type and genetically altered viruses.

"Each time these viruses go through one insect to the next, the amount of the disabled virus decreases," Wood said. "While we already know from laboratory experiments that this disabled virus cannot survive long, we need the proposed field test to quantify its life span under field conditions."

The results from this study may be an important first step toward developing and evaluating insect viruses with genetically enhanced pesticide activities, leading to commercial bio-pesticides and to a reduced usage of chemical pesticides, Wood noted.

"With the increased public concern about synthetic pesticides in the environment, the use of enhanced viruses which are specific in pest insects becomes a very rational alternative," Shelton said. However, before this can be used on a commercial scale, small-scale research plots must be used.

The proposed field test would be carried out in a quarter-acre research plot at Cornell's Agricultural Experiment Station at Geneva using a protocol designed by Shelton and Wood. The test virus hitchhiking with the normal virus will be sprayed on cabbage plants infested with cabbage looper larvae.

According to Shelton, the test will involve three virus applications: one in June, a second in July and a third in August of this year. Each application will consist of a few ounces of virus preparations. The test plot then will be monitored to determine how fast the genetically altered virus ceases to exist under natural conditions. Monitoring will be conducted with plant and soil samples. The test site is well isolated. The virus will be applied with a backpack sprayer on a calm day, and detectable levels of virus will not move out of the test site.

Wood and Shelton said there is virtually no risk that the altered virus will spread to surrounding areas and, even if it did, there would be no danger to humans and animals.

"The virus to be tested outdoors is safe



Jill Peltzman

Above: Virologist H. Alan Wood, left, and research specialist Martha Hamblin of BTI use cabbage loopers as "biological factories" to grow the genetically altered virus. Large amounts of the virus can be purified from each insect.

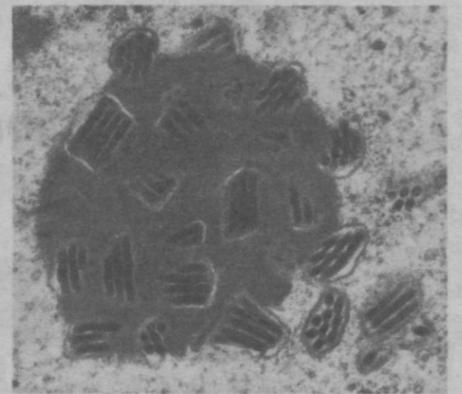
Below: This baculovirus is similar to the one that has been altered genetically.

to humans and animals because, like its parent, it is host-specific, that is, it attacks only specific insects," Wood emphasized. "In addition, the genetically disabled virus will not survive long because we took out the gene that ensures its normal life span."

Besides the planned BTI-Cornell test, other altered microorganisms that have been tested in the environment include:

- Bacteria to protect plants against frost damage, by the University of California at Berkeley and Advanced Genetic Sciences in Oakland, Calif.
- Bacteria with genetic markers to follow their movement in soil, a joint test by Clemson University and Monsanto Co.
- Bacteria to increase alfalfa yields, by BioTechnica International, a Massachusetts-based biotechnology firm.
- Bacteria to protect wheat against a soil disease, a joint test by Clemson University, Monsanto Co. and U.S. Department of Agriculture at Washington State University.
- Bacteria to protect plants against insects, a joint test by Crop Genetics International in Maryland and USDA.
- An insect virus with genetic markers to follow it in the field, by the National Environmental Research Council's Institute of Virology at Oxford, England.

The technique of removing the bacu-



Robert R. Granados, BTI

lovirus polyhedrin gene and replacing it with another gene, called the "baculovirus expression vector system," was developed by teams of scientists at Texas A&M University and Idaho State University in 1983. The Texas researchers, using the same type of virus, initially replaced the polyhedrin gene with the gene that codes for interferon for medical use.

The Boyce Thompson laboratory studies that led to the genetically altered virus have been supported by a grant from the EPA.

—Yong H. Kim

Data Base *continued from page 1*

jections and evaluation of its financial structure.

Gene Swanson, a visiting professor in the Hotel School, is teaching the school's investment management course this semester.

"Having been at a university which had no such data base available, I immediately see the benefits to the students of using this state-of-the-art analytical tool," Swanson said. "They have the unique opportunity to immediately test theories discussed in class with real-life data. Without a doubt, the result is an enriching experience for both the professor and the students."

Computers to access the Merrill Lynch information system have been set up in the Hotel School and will be installed in com-

puter centers in other Cornell teaching units. Sites outside the Hotel School will be helpful because about 80 percent of the 200 students enrolled in the Hotel School's course on investment management come from other university departments, according to Arbel.

"I feel that such a tool is extremely important for teaching investment these days when companies are being restructured almost daily and markets are so volatile and offer so many new and varied investment opportunities," Arbel said. "The data base enables students to apply their textbook learning to real-world problems."

"For example, a student can use the computer to scan thousands of companies for what he or she would perceive as being the

"best" investment based on a number of variables, including high dividends, low risk and high growth."

Arbel said that the data base soon will be available to any member of the Cornell community interested in company or industry research.

Two years ago, the Hotel School's financial faculty started putting together a computerized data base with services provided by Shearson Lehman Hutton Inc., a Wall Street securities house, and Laventhol & Horwath Certified Public Accountants, a major accounting and consulting firm in the hospitality industry. Last summer, Shearson discontinued its data base service, and Arbel, then chairman of the Hotel School's research committee, scrambled for a re-

placement.

While the Hotel School was based temporarily in Sage Hall, the data base was put together in a broom closet with a couple of upgraded surplus personal computers. Now set in the renovated Statler Hall, the new data base feeds into a \$1 million computer network that International Business Machines Corp. provided to the Hotel School earlier this year for research related to the hospitality industry.

"Every two weeks, we can generate updated and detailed reports on the status of the hotel industry as a whole, compare performance of the hotel industry with other industries and compare companies in our industry," Arbel said.

—Albert E. Kaff

Dance concert to open new proscenium theater

Dance Concert '89, which opens March 9, will be the premiere performance in the 450-seat proscenium theater of the Center for the Performing Arts.

This year's concert will have nine dances created by guest, faculty and student choreographers. Like the works in the Art Department's faculty exhibition at the Johnson Museum each fall, the pieces in the annual show are diverse.

Guest choreographer Jeff Slayton, who began his career with the Merce Cunningham Dance Company, was a principal dancer with Viola Farber Dance Company and for six years was artistic director and choreographer of Jeff Slayton & Dancers, will perform his five-minute solo, titled "To Be Continued?" set to an excerpt of Philip Glass' "Glassworks."

For this concert, Slayton also created a 13-minute piece for eight dancers called "Jesse's Fire."

The evening's other guest artist, who will not be in attendance, is Martha Bowers. She visited Cornell in the fall and rehearsed "Kate's Questions," a romp through school with six exuberant students and their two pompous professors. The piece is set to Rossini's "Thieving Magpie" overture.

Cornell dance program faculty Nancy Gaspar, June Finch and Joyce Morgenroth have each contributed a piece to the show.

Gaspar, who teaches jazz dance, made "Nightmare in Tango Palace" for 12 dancers — two dramatic couples and four dancing couples — including a couple who were

amateur ballroom dance competitors in Japan, a female martial arts instructor, one of Cornell's resident professional actors, dance program ballet instructor Peter Saul and several dancers from outside the university.

The eight-minute piece is intended as "a darkly grotesque comedy," Gaspar said, adding, "It's about what happens when you destroy the ballroom etiquette of a dance hall."

Finch's piece, titled "Sight Lines," calls for 10 dancers and will be performed to live piano and recorded music written by Allen Fogelsanger, the dance program's accompanist and composer.

Morgenroth's autobiographical duet, "In Memory of Anne Morgenroth, 1911-1962," is the fourth in a series of what she calls "domestic dances." It is a fairly literal description of a daughter's discovery of herself and her mother's dying and death, and the music for it is sung in Yiddish. The piece features dance instructor Holly Lau. Morgenroth is not dancing in it.

Students showing work include Amy Brenza, Doug Elder and Beth Millstein. Among them, only Elder is a dance major, and he is, in fact, Cornell's only undergraduate dance major this year.

Elder has made a three-minute trio titled "Three Speak" that moves to the pace of an oberek, which somewhat resembles a polka.

Brenza's "Blue Period" is a duet she said she wrote about a difficult personal relationship. The dancers come close to touching but never do, their movements are sharp and



Patricia Reynolds

Beth Millstein and Vanessa Hicks in June Finch's "Sight Lines."

nervous until the middle part of the seven-minute piece when they begin to move in synchrony. The music is Brian Eno's "Airplane Music."

Millstein's piece, called "Profile," features seven dancers as seven psychological concepts: id, ego, superego, passivity, ag-

gression, core and facade. Fogelsanger wrote the music, which employs percussion and voice.

Tickets for the concert are on sale at the center's box office. All seating is reserved and prices are \$3.50 for students and senior citizens and \$5.50 for the general public.

Rhodes to address education forum

President Frank H.T. Rhodes, who directed a nationwide study last year on the status of minorities in education, will discuss minority participation in education on March 7 at a conference in Albany.

Rhodes will speak during the 1989 annual meeting of the Commission on Independent Colleges and Universities and the New York State Coalition on Independent Colleges and Universities.

His speech will begin at about 9:15 a.m.

The presidents of most of the organization's 114 member schools are expected to attend the conference.

The Commission on Independent Colleges and Universities and the New York State Coalition on Independent Colleges and Universities articulate the concerns of independent colleges and universities to policy-makers in New York state.

LaBarbera to talk about electronic music

Anyone curious about the way music is made in Hollywood is invited to a lecture and demonstration on the subject by John LaBarbera at 4 p.m. on March 7 in Room 301 of Lincoln Hall.

LaBarbera, a commercial composer for years and currently director of Cornell Jazz Ensembles, will describe the technology of today's television and film music industry

using equipment from his own studio.

He assures that his talk, "MIDI and the Modern Media: Myth and Magic," will be understandable to non-music students. No background in music, or in computer technology, will be expected.

All those interested in attending should sign up by March 3 in the Music Department office in Lincoln Hall.

Orpheus Chamber Orchestra, pianist Brendel to play in Bailey

The Orpheus Chamber Orchestra and pianist Alfred Brendel will give the next concert in the Bailey Hall Series on March 9 at 8:15 p.m.

The program is Haydn's Symphony No. 83, "La Poule"; Mozart's Concerto for Piano and Orchestra K.414, with Brendel as soloist; Benjamin Britten's Simple Symphony for String Orchestra; and Arnold Schoenberg's Chamber Symphony No. 2, Op. 28.

"When one thinks of orchestras, one conjures up the image of virtuoso instrumentalists upright in their seats performing under the dictatorial gaze of a conductor. Not Orpheus. This chamber orchestra rehearses and performs without a conductor, and the members themselves are responsible for repertoire, rehearsal techniques and interpretative decisions," said Mariann Carlin, series manager.

"As a rule, such an arrangement is no guarantee of artistic excellence, but the ensemble's steadily growing fame and reputation proves that Orpheus is an exception," she continued. "They bring to the orchestral setting a personal involvement with the music that usually is only found in the best chamber music performances."

The Orpheus Chamber Orchestra made

its Lincoln Center debut in 1974, gave premier Salzburg and Lucerne Festival performances in 1985 and embarked on an extensive European tour in 1987.

This season, engagements include two European tours in addition to concerts throughout the United States and an annual three-concert series in Carnegie Hall. The orchestra has been recording exclusively for Deutsche Grammophon since 1984.

Brendel, one of the world's most recorded pianists, has immersed himself in a single composer by making several international tours devoted entirely to the music of Schubert.

In recent years, Brendel has performed all five Beethoven piano concertos and the complete Beethoven sonata cycle in Carnegie Hall and in 11 European cities. The current season marks his first collaboration with the Orpheus Chamber Orchestra, whom he is joining for two performances in Carnegie Hall and for concerts in Boston, Montreal, Chicago, Ithaca and Princeton.

Tickets for the concert are on sale at the Lincoln Hall ticket office. Prices for the general public are \$15, \$18, \$21 and \$24 for students, \$13, \$15, \$18 and \$21. The ticket office is open Monday through Friday, 9 a.m. to 1 p.m.

Dance seen as a form of theater

"Dance? It's non-verbal acting. I consider it theater as well as dance," said Jeff Slayton, guest choreographer and instructor in Cornell's dance program this semester.

"People are becoming more and more technically proficient — they can turn better, they can leap higher, or slower — but you don't see the human doing the movement, you just see the movement. . . . The modern dance of my generation is dying.

"My dancing was influenced by Viola Farber. I was with her for 10 years, and it was she who sent me to Merce Cunningham's studio. I loved the work there, but hers interested me more as an artist. His was 'pure movement' but hers was more human."

Athleticism in dance doesn't impress Slayton, who was a member of the Viola Farber Dance Company at the same time as the guest artist who visited Cornell in October to give a performance and master classes, Elizabeth Streb. Since then, the two have gone off in opposite directions.

Streb deliberately strips away personal aspects of movements in pursuit of objectivity, and she draws heavily on a love of sports. There's also something she jokingly

referred to as "masochistic" about her work.

Slayton's pursuing something else. "What interests me is the magic, the presence, a person has," he said.

He's a six-foot-three-inch, 160-pound gentle giant who moves like a rubber band with four-wheel drive. It's difficult to imagine him being excited about crossing a stage on a small, wheeled platform while standing as stiff as humanly possible, or leaping through the air to land on his belly, feats performed by Streb and company in a lecture/demonstration.

His work is physically difficult, and it is abstract. But it's not "about movement."

He wrote the five-and-a-half-minute solo piece that he will perform in the dance concert, "To Be Continued?" in 1986, when his lover died.

He conceived of "Jesse's Fire," a piece that will be performed by eight dancers in the concert, in Dulles International Airport, waiting for a flight that was delayed for 11 hours because of maintenance problems.

"The piece is about the anxiety and fear of what's coming, and then knowing that no matter what, it's going to happen."

—Carole Stone



The Orpheus Chamber Orchestra, which will perform in Bailey Hall on March 9.

Graduate Bulletin



Travel grant applications: Due at the Graduate Fellowship and Financial Aid Office, Sage Graduate Center, by April 1 for May conferences. Application forms are available at Graduate Field Offices.

Student assembly/trustee ballots: Due in the Office of the Assemblies by 4 p.m. on March 8. If you did not receive a ballot, call 255-3715.

Graduate Student Council general meeting: March 6, 5:15 p.m., The Henry, Sage Hall.

Course changes: Last day for dropping courses and changing grade options without a petition is March 17. A \$10 late fee is charged for any change after this date. A course dropped after March 17 will appear on transcripts with a "W" (withdrawn) unless the course instructor and committee chairperson recommend that the "W" be deleted (allowed only prior to final exams).

Income tax workshops for international students: Representatives from the federal and state tax bureaus will conduct sessions and answer questions on March 8, 8 to 9:45 a.m. and April 5, 1 to 2:45 p.m., auditorium, 2nd Floor, Anabel Taylor Hall.

Latino perspective on AIDS offered

"AIDS from a Latino Perspective," a series of events organized by the Hispanic American Studies Program, continues with an afternoon of lectures and discussion groups on March 4 from 1 to 4:30 p.m. in the Multipurpose Room of Robert Purcell Union.

Guest speakers, both from Boston University, will be Dr. Hortencia Amaro, who will discuss "Epidemiology of AIDS in the Latino: Implications for Prevention and Direct Services," and Jose Pares-Avila, who will speak on "AIDS Activism: Empowering the Latino Community."

Small group discussions will be led by Cornell Latino alumni and graduate students. All Cornell students, faculty and staff are welcome to attend.

The semester-long series has been planned in conjunction with Educational Services at Gannett Health Center, Planned Parenthood, Cornell AIDS Peer Training Program, AIDS Work and the Southern Tier AIDS Task Program.

For more information, call 255-3197.

Hatfield Fund proposals due

March 31 is the deadline for proposals from faculty members to the Hatfield Fund to Enhance Undergraduate Economics Education. A total of about \$20,000 is available to programs in Summer 1989 and for 1989-90.

Income from the Hatfield endowment helps support instructional efforts in economic education, particularly applied economics and branches of applied economics that treat the problems and benefits of the free-market system, according to Larry I. Palmer, vice president for academic programs, who is accepting proposals in behalf of the Hatfield Review Committee. One- or two-page statements of aims and plans with a one- or two-page detailed budget should be submitted to Palmer at 309 Day Hall.

Barton Blotter: 15 thefts reported

Computer equipment worth a total of \$5,111 was reported stolen in two thefts from Martha Van Rensselaer Hall, according to the morning reports of the Department of Public Safety for Feb. 20 through 26.

The two thefts were among 15 reported, with losses in cash and valuables set at \$7,662. Other items stolen included \$300 worth of frozen foods from the kitchen of The Oaks, a \$365 jacket taken from University Hall No. 6, and a \$250 oak coffee table and a \$405 bicycle taken from University Hall No. 2.

Three car windows were smashed at various locations on campus Friday night and early Saturday morning.

Seven persons were referred to the judicial administrator on separate charges, including one for public lewdness at Lynah Rink Saturday night. Other charges included writing a false statement, petit larceny, possession of stolen property and violation of the campus code of conduct. Two persons were charged with forging parking permits.

CALENDAR

continued from page 5

Plant Biology

"The Use of Steady State Labelling to Study the Regulation on Photosynthate Import and Unloading in Developing *Phaseolus* Fruits," Donald Geiger, University of Dayton, March 3, 11:15 a.m., 404 Plant Science.

Plant Pathology

"Genetics of Pathogenicity of *Erwinia amylovora*," Steve Beer, plant pathology, March 7, 4:30 p.m., 404 Plant Science Bldg.

"Transcriptional Regulation of *Agrobacterium* Virulence Genes," Stephen C. Winans, microbiology, March 8, 3 p.m., A-133 Barton Lab, Geneva.

Program on Ethics & Public Life

"Justice for Bhopal?" Sheila Jasanoff, director, Program on Science, Technology and Society, March 7, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Psychology

"What Has Happened to Intention?" T.A. Ryan, psychology, March 3, 3:30 p.m., 202 Uris Hall.

Rural Sociology

"The Bricolage of Rural Work: A Case Study," Douglas Harper, sociology, SUNY, Potsdam, March 3, 12:15 pm., 32 Warren Hall.

"Welfare Use in Rural and Urban Areas: The Importance of Population Density," Thomas A. Hirschl, rural sociology, Population and Development Program, March 6, 12:15 p.m., 32 Warren Hall.

South Asia Program

"Family Culture and Feminism in India: the Case of Krishna Bai Nimbkar," with slides, Geraldine Forbes, history, SUNY, Oswego, March 8, 12:15 p.m., 153 Uris Hall.

Southeast Asia Program

"The Voice of Ducks: Elementary School Education in Jakarta," Saya Shirashi, SEAP grad, anthropology, March 2, 12:20 p.m., 102 West Ave. Extension.

Title to be announced, Shamsul A. Bahrudin, anthropology, Universiti Kebangsaan Malaysia, March 9, 12:20 p.m., 102 West Ave. Extension.

Stability, Transition & Turbulence

"Multiplicity of Steady States in Surface Tension Driven Flows," Henk Dykstra, chemical engineering, March 7, 1 p.m., 288 Grumman.

Statistics

"Sample Size Determination for Step-Down Multiple Testing Procedures," Ajit Tamhane, statistics, Northwestern University, March 8, 3:30 p.m., 100 Caldwell Hall.

Textiles & Apparel

"Female-headed Households: The Impact of Family Structure on Household Expenditures for Clothing," Gail DeWeese, textiles & apparel, March 7, 12:20 p.m., 322 Martha Van Rensselaer Hall.

Theoretical & Applied Mechanics

"Some Aspects of Quasi-Statically Moving Surfaces of Strain Discontinuity in an Elastic Body," Rohan Abeyaratne, MIT, March 8, 4:30 p.m., 205 Thurston.

Vegetable Crops

"Objective Measurement of Seedlot Vigor in Lettuce Using Time Lapse Photography, Stress Tests and Collection of Volatiles Released During Imbibition," Tom N. Tomas, vegetable crops, March 2, 4:30 p.m., 404 Plant Science.

"Comparison of Videos, Slides and Field Trips as Teaching Aids," James R. Hicks, vegetable crops, March 9, 4:30 p.m., 404 Plant Science Bldg.

Western Societies Program

"The Eagle and Irish Soil: Photo Opportunities and the Reworking of Ideology in Ireland," Michael Leavy, anthropology, March 3, 12:15 p.m., 153 Uris Hall.

SPORTS

Thursday, 3/2 - Saturday, 3/4

Men's Swimming, Easterns at Harvard

Friday, 3/3

Women's Basketball, at Brown, 7 p.m.
Men's Basketball, Brown, at home, 7:30 p.m.

Friday, 3/3 - Saturday, 3/4

Men's Gymnastics, NAGL Championships at home
Men's Wrestling, EIWA Championships at Lehigh

Friday, 3/3 - Sunday, 3/5

Men's Squash, ISA Individuals at Dartmouth

Saturday, 3/4

Women's Fencing, NCAA Regulation Qualifying at Harvard
Women's Basketball, at Yale, 6 p.m.
Men's Basketball, Yale, at home, 7:30 p.m.

Saturday, 3/4 - Sunday, 3/5

Men's Track, IC4As at Princeton
Women's Track, ECAC Championships at Yale

Sunday, 3/5

Women's Gymnastics, Ivy Championships at Yale

Sunday, 3/5 - Saturday, 3/11

Men's Polo, National Championships at Valley Forge, Pa

Tuesday, 3/7

Women's Gymnastics, Eastern Michigan, at home, 7:30 p.m.

SYMPOSIA

Law School

"Feminism and the Law: Creating Justice for All," a two-day symposium on applying a feminist perspective to the law, March 3 and 4. Organized by the Feminism and Law Discussion Series, the Women's Law Coalition and the Law Review. For details of speakers, times and places, see related story on page 3.

Program on Science, Technology & Society

A symposium to celebrate 20 years of science, technology and society at Cornell, March 3 to 5. Participants include William D. Carey, former executive officer of the American Association for the Advancement of Science; Harvey Brooks, The Benjamin Peirce Professor of Technology and Public Policy and professor emeritus of applied physics, Harvard University; Thomas Gieryn, associate professor of sociology, Indiana University; Loren Graham, professor of the history of science, M.I.T.; Dorothy Nelkin, professor sociology, Cornell; and Daryl Chubin, senior analyst, U.S. Office of Technology Assessment. For more information call Jennifer Moore at 255-3801.

MISC.

Cornell Toastmasters

Cornell Toastmasters Public Speaking Club meets Thursdays at 7 p.m. Call 277-4452 for more information.

Cornell World Tae Kwon Do Association

New members are being accepted for the spring semester. Practices are held Sundays, 7 p.m., southwest corner, Barton Hall; Mondays, Tuesdays and Thursdays, 6 p.m., auditorium, Martha Van Rensselaer Hall. For more information call Trish, 272-9227 or Sandy, 255-1808.

Hebrew Speaking Club

Hebrew Speaking Club meets Thursdays, 11:45 a.m. to 12:45 p.m., in the Near Eastern Studies Lounge, 374 Rockefeller Hall.

Hillel

Topics in Jewish Tradition, taught by Rabbi Larry Edwards, "The Days of Awe," March 6, 8:15 p.m., 314 Anabel Taylor Hall.

Chug Ivri, Hebrew conversation, Thursdays, 11:45 a.m. to 12:45 p.m., 374 Rockefeller Hall.

Beginning Yiddish class, Thursdays, 7:15 p.m., G-34 Anabel Taylor Hall.

Larry Raphael, representative of Hebrew Union College, will hold appointments at the

Hillel office, March 8, from 11 a.m. to 4 p.m. Call 255-4227 for more information.

"A Perspective on Minorities at Cornell," Walter Cohen, comparative literature, co-author of the Cohen-Gates Report: "The Crisis of Minority Faculty at Cornell," March 7, 8 p.m., Founders Room, Anabel Taylor Hall.

Intramural Box Lacrosse (men, women)

Deadline on entries, March 9 at 4 p.m. in the intramural office, Helen Newman Hall. Minimum of 10 to enter. Teams consist of 6 players. Players must supply their own stick. Entry fee is \$30 per team, due with roster before deadline.

Intramural Track (men, women)

Deadline for entries is March 7 at 4 p.m. in the intramural office, Helen Newman Hall. Entry fee is \$5 per team, due with roster before deadline. A team may consist of no more than 22 people; each team may enter no more than 2 in any individual event; each individual may enter up to 3 events, but no more than 2 of these may be individual events. Each team may enter no more than one team in each relay.

Human Relations Training

The Human Relations Training Program is offering a six-session series entitled "Community, Coalition and Change: Ensuring a Voice for Students of Color at Cornell." Topics will include community building and fostering coalitions, group management skills and effective communication. Registration is due by March 8. For more information, call the Human Relations Training Program at 255-8626 or visit the 5th floor of Willard Straight Hall.

Writing Workshop

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

Alcoholics Anonymous

Meetings, open to the public, will be held Monday through Friday, 12:15 p.m. and Thursday evenings, 9:30 p.m., in Anabel Taylor Hall. For more information, call: 273-1541.

E.A.R.S.

Empathy Assistance Referral Service provides trained peer counseling. Call 255-EARS Sunday-Thursday, 3-11 p.m., or walk-in 211 Willard Straight Hall, Friday and Saturday, 6-10 p.m. All services are free, non-judgmental and confidential.

Gay Men's Association

The Gay Men's Association holds a discussion meeting each Wednesday from 7:15 to approx. 9:30 p.m. in Loft II, Willard Straight Hall. Discussion topics include: coming out to parents and people on the job, friendships with heterosexual men, gay parenting, long-term relationships, safe sex, and being gay and religious. For further information, call the Gay, Lesbian and Bisexual Coalition office at 255-6482.

Spring 1989

Employee Assembly Elections Candidates' Statements

During my six years working at Cornell, I have realized the importance of staff involvement in addressing the issues that affect the university. The Employee Assembly provides an important mechanism to ensure that there is such participation. It fosters a shared commitment between employee and employer to make Cornell a more productive place to work and grow. My desire to be a member of the Employee Assembly stems from my own commitment to that effort.

My goals as an assembly member center around three major areas: 1) fostering better communication between and among employees and departments-units across campus to promote Cornell as a community; 2) working for the employee as a working parent-spouse-child who is balancing the obligations of family with the responsibility of one's job-career; and 3) promoting the assembly and its committees to encourage greater involvement by others in the governance process.

I served on the Employee Assembly Child Care Committee and continue to serve on the Committee for Children, Work and Family, an independent group addressing the concerns of the working family. I have had previous experience working in other governance systems in



Leslie J. Smith-Darling
Statutory Exempt
(1 candidate; 1 seat; 2-year term)

college, high school and through volunteer efforts and look forward to having the opportunity to become a member of the Employee Assembly.

Continued on page 2

Networking

A Cornell Newsletter Published by Employees for Employees

Volume 10, Number 14

Thursday, March 2, 1989



Anne M. Keefer, manager

Travel Office Aims to be the Best

The Cornell Travel Office at 163 Day Hall was the first travel office located within any university in the United States. Started in 1959 by Wally Rogers, the Travel Office has grown from one employee to the current staff of eight.

Anne Keefer, manager since September 1988, is determined to have the Travel Office gain recognition as a highly respected travel management support organization for Cornell University. "We were the first, and now we are going to be the best," she said. "With travel and entertainment being the third largest controllable expense in most organizations, our goal is to offer a travel management plan for Cornell which will result in significant cost saving. For instance, we have arranged convention airfares for different departments. The normal airfare reduction is 40 percent with no restrictions for the traveler." Other projects Keefer plans for this spring include negotiating lower corporate rates with prime New York City hotels situated close to the Medical Center and discussions with the airlines serving Tompkins County Airport to improve schedules.

Linda Tappan, senior travel coordinator, has been with the Travel Office of 24 years. "Driving in every day from Waverly is worth it, because I care so much about the Travel Office. This has been a very challenging and rewarding job," she said.

On the staff for eight years, Susan Vargo feels the Travel Office is the most "on-target" agency in town. "I feel we are a very conscientious group of travel professionals with an impressive amount of experience." Susan lives in Spencer with her husband and two children.

Tanna Hughes and Lynda Davenport joined the travel team late last spring. Lynda confesses her real love is writing. She has submitted a television script to CBS and is currently working on a novel for publication. Tanna, part of Wally Rogers' original staff, spent several years

working with US Air. "I'm home to stay," she answered when questioned about her future plans. "I want to spend the remainder of my working years right here."

Carol Muraca, accounts coordinator, has watched the sales volume increase more than 200 percent in the past five years. The accounting system has graduated from hand-processed tickets to a fully automated and computerized operation.

The activities performed in the busy office include such varied tasks as arranging private air charters, handling team travel for the athletics department, issuing Amtrak tickets, obtaining visas for international trips, and confirming car rental and hotel reservations, as well as the usual function of writing airline tickets.

Bonnie Banks, with the office for five years, noted that American Airlines' Sabre training is an ongoing process. Although computers search out the lowest available prices, the time spent on each reservation is actually longer due to the complexity of the fares and cancellation penalties. "The client needs to know the consequences of choosing a non-refundable ticket," she said.

A partnership formed with Heritage Travel of Boston approximately 20 months ago allows the Travel Office to operate as a full-service travel agency for the Cornell community. Heritage, a leader in computer technology for corporate travel accounts, is lending advice and assistance for the installation of the latest computer software guaranteed to produce the lower airfare for travelers.

"The Cornell Travel Office will be experiencing some dynamic changes and growth in the near future," said Sharon VanWinkle. "Now that we are helping the staff and students with vacation plans, our business is bound to increase."

The phone number for the Travel Office is 255-4284. Ticket deliveries are made daily on campus.



Front row, l. to r.: Susan Vargo, Tanna Hughes, Anne Keefer, Back row, l. to r.: Bonnie Banks, Sharon Van Winkle, Lynda Davenport, Linda Tappan, Carol Muraca.

What Will It Take?

By Theresa Vander Horn

Like other employees on campus, I recently received a memo from the provost and senior vice president asking me to become involved in the employee governance system, the Employee Assembly. With all due respect--and appreciation--to the administration, it will take much more than that to rekindle employee interest in the assembly.

We know there is a general lack of interest in the Employee Assembly on the part of employees. This is clear by the rapid turnover of representatives, the difficulty in filling empty seats and voter apathy (in the last contested election, in 1986, only 18 percent of employees voted). That we even require a letter from our administration encouraging us to participate is an indication of the seriousness of the problem. This apathy undermines the assembly as a representative body with both employees and administration. An assembly of individuals "elected" to uncontested seats cannot seriously claim to be representative.

A very serious effort must be forged to reestablish the assembly as a representative body, understood and supported by the employee population. The lack of interest, or perhaps faith, cannot be overcome by publishing articles about what a pleasure it is to serve on the assembly. If employees are to become involved in the assembly, they must be shown that it makes a difference who serves as their representative.

How can employees care who represent them if they never see representatives debate the issues? If the assembly continues to speak with "one unified voice" then it will continue to make little difference who serves on the assembly. Homogeneity breeds complacency breeds apathy. Employees must see that different representatives, or prospective representatives, have different views and will bring different priorities to the assembly. Only after this practice becomes common will employees begin to take an interest in a competition. First comes the debate, then comes the interest.

How can employees care about the Employee Assembly if it never knows what issues are under debate? Before a controversial issue is taken up in the assembly, why is there no advance publication of it--along with views from opposing sides? If the issue and the debate were published in advance, employees could contact their representative with their viewpoint. After all, assembly members are supposed to be representing employee viewpoints on the issues.

How are representatives accountable if the employee public never sees how their representatives vote? Representation requires accountability. Once accountability is established and tested, credibility will follow. Any time something is voted on, it should be published: the issue, the vote outcome, and how each representative voted. Representatives should be accountable for their voting record. The same procedure should be used for proposals, motion, etc. Employees should know whom to applaud or boo when a good or bad proposal is submitted. Then employees can care about who represents them and can vote to keep that person in or vote to remove the person.

Why are Employee Assembly members absent at Brown Bag Lunches (BBLs) where employees come to learn about and speak on different issues? An assembly that does not hear cannot represent. During my involvement, I was disturbed greatly by the fact that assembly members debated issues, recommendations, or the existence or purpose of committees, without first attending the BBLs at which employees spoke on those topics. Assembly members should attend BBLs, as they are one of the few forums in which the employee public can be heard.

Focus on the Assembly: How can an assembly of different individuals representing a diverse population possibly speak with one voice? The general articles written in the column "Focus on the Assembly," would do any political campaign manager proud: they make us feel good but tell us nothing. Employees are simply not interested in hearing over and over again how nice it is to serve; a biographical essay doesn't tell employees anything about a person's priorities, voting record, or behavior behind closed doors.

Why is it that all we hear about the Employee Assembly is what the assembly tells us? Could you imagine a United States Congress that also controlled what articles were printed--or actually wrote the articles itself? The assembly writes

articles to inform us of their activities, which is good but not enough. The problem is not helped by the propensity for Networking to print on "positive" articles: let the public decide for itself what to read, what is good and what is not. Sometimes a little negative brings a lot of positive. We need independent reports on the

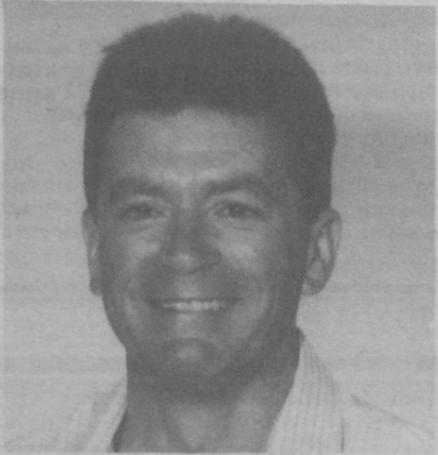
assembly's debates and activities, written by independent observers.

Cornell employees may not realize just how fortunate they are to even have an assembly, or to have an administration will to listen. To them I say: use it or lose it. But if the assembly wishes to continue to hold its claim as a representative body,

it is going to have to engage in substantive and robust public debate on issues that matter to the employees, and individual members will have to be prepared to embrace the controversy that is inherent in governance of any type. Involvement can not be won with pleas, it has to be inspired.

Continued from page 1

Employees: Your involvement in Campus Governance Let Your Vote Count! Deadline for Return is March 20.



Michael J. Ellis
Endowed Exempt
(2 candidates; 1 seat; 2-year term)

Fellow employees: I have spent nine of my thirteen years at Cornell serving as a member of the Employee Assembly. From September of 1985 through May of 1987 and again this year, I served as chairperson of the assembly. I have also served two terms as vice chair and two terms as chair of the assembly's Personnel Policy Committee. In addition, I am currently serving as an employee member of the University Review Board. Over the years, I have served on numerous ad hoc committees and several task forces including the Human Relations Task Force and Advanced Benefits Planning Task Force. I have had extensive experience as an employee representative in the campus governance process and would be grateful for your support in the upcoming Employee Assembly election. Thank you.



Vickie Goss
Endowed Exempt
(2 candidates; 1 seat; 2-year term)

I have been a part of Cornell since 1982. First with the College of Architecture, Art & Planning and then as commencement coordinator for the last two years. In May I received my MBA from the Johnson Graduate School of Management through the employee degree program. Currently I am co-chair of the Education Committee of the Employee Assembly. This background has given me a deep commitment to this community.

Having been a student, a nonexempt employee, an exempt employee, and a working mother, I know that there are many areas of concern to Cornell employees, and a seat in the Employee Assembly would give me an opportunity to work with others to address these issues.

Angela N. Evans
Statutory Nonexempt
(2 candidates; 2 seats; 2-year term)

The Cornell Employee Assembly is the best outlet employees have for voicing concerns. The apartheid debate, the employee education program, and personnel policies are all issues that the assembly

has had a say in. However, in order for campus government to work its best, involvement and participation are imperative. As an employee assembly member, I will be dedicated to help make the assembly stronger and more active to better represent you. Your involvement is key as well, and it begins with voting.



Charles C. Harrington
Statutory Nonexempt
(2 candidates; 2 seats; 2-year term)

I am Charles C. Harrington. I have worked at Buildings and Care for 19 1/2 years. For Cornell, I was one of the first persons to be on the Employee Assembly. Then, I was on the IOC Committee, and also the Personnel Committee. I think campus governance really works for the people that use it the right way. I think the "Brown Bag" lunches help people find out what goes on at the campus also. The Cornell Recreation Club is another way to meet a lot of very nice people and have a lot of fun also. Being on the Employee Assembly you get to work with administration, and hear their side. Please vote for me -- I will do a good job for you.



Janice M. Swansbrough
Endowed Nonexempt
(3 candidates; 2 seats; 2-year term)

I have worked at Cornell for ten years. I have had three different positions within the public affairs department. I am married and have three teenage children who are active in 4-H and race small Micro cars in the summer. I have been a Girl Scout leader, have taught Sunday school and am presently a 4-H leader and on the 4-H Fair Committee. In my free time I enjoy sewing and cross-country skiing.

I am presently on the Communication Committee of the Employee Assembly. This committee is part of the editorial board of Networking. Networking is a very informative publication for employees that is totally produced by employees. The Communication committee is working on a number of projects that will help keep employees abreast of what is available for them around the university. Increasing access to CUINO and campus wide Employee News Bulletin boards are two of the projects that I am interested in. I am presently filling a vacant seat on the

Employee Assembly which I am enjoying a great deal. I am proud to be an employee representative that can help bring to the administration wants and needs of fellow employees. I find the work on the assembly very satisfying. I want to continue as a member of the Employee Assembly and take an active role in the governing process at Cornell and to communicate to fellow employees the issues and changes that affect us, so that others can become involved in areas that interest or concern them.



Suzanne S. Sager
Endowed Nonexempt
(3 candidates; 2 seats; 2-year term)

I have worked at Cornell University since September 1977. My first job was in the Graduate School working with students and faculty. In January of 1981, I started at the University Registrar's Office as a service representative, the position I hold today. I have seen the position change with the university going to an "on line" system. I enjoy my work with the students as well as the Cornell community at large.

Currently I serve as a member of the Employee Assembly and also serve on the University Assembly. I have learned during the past year of the importance of employee input in the governing structure and the university. I would welcome any comments, suggestions or concerns from employees.



Joan Heffernan
Endowed Nonexempt
(3 candidates; 2 seats; 2-year term)

I have worked at Cornell University for the past seven years; five and one-half years in the Department of Architecture and the past one and one-half years in the Department of Theoretical and Applied Mechanics. As a part of the large group of employees at Cornell, I have been made aware of the wide variety of concerns that arise from such a diversified constituency. I believe that my involvement with the Employee Assembly over the past four years has provided me with a vast array of experience in learning, voicing, comprehending, and helping resolve employee concerns.

During my two terms on the Employee Assembly, I have served in the capacities

Changes and Reminders

The Employee Assistance Program (EAP) at Family and Children's Service has been changing constantly in the past months. The former director, Michael [Name], returned to school to pursue a [Degree]. The new director is Lee

Moon, who has been with the program for five years as a clinician—consultant and contract manager. The EAP now has a staff of seven, including Mary Ellen Blish, administrative assistant, Rick Sholette, M.Div., M.Th.; Ellen Stotz, MSW; Carol

Scott, MSW; Alan Ledet, M.A.; and Esther Burton, M.S.; all clinician—consultants.

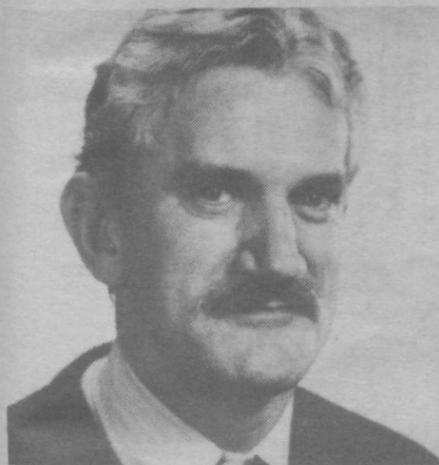
The EAP is a short-term, free, confidential counseling service provided to regular Cornell employees and their families to be used when there are personal concerns or problems. EAP clinicians provide professional assistance for a wide range of concerns, including, but not lim-

ited, to:

- Family—marital—relationship problems
 - Alcohol and substance abuse
 - Emotional distress
 - Work-related concerns
- If you wish to speak with any of the EAP staff please call 273-1129.

Begins with Voting

of both chair and vice chair, helped to reactivate the Personnel Policy and Communication standing committees (and chaired both), and currently serve on the Education Committee and the University Assembly. Issues such as recycling, environment and planned growth, health benefits, personnel policy, employee classification and development, and the impact of proposed budgetary cuts on employees will continue to be pursued and addressed. As we approach the 1990's, I hope to continue to serve all employees through participation in this forum for your concerns.



William C. Herman
Endowed Nonexempt
(1 candidate; 1 seat; 1-year term)

I have been employed at Cornell as a bus driver for the past six years, doing both local routes and long distance charters. I reside in the town of Virgil with my wife Judy. We have two grown children, as well as three grandchildren. I am a member of the Dryden Masonic Lodge, and a member of the Virgil Historical Society. My spare time activities include golf, bowling, hiking, and model railroads.

Currently, I am a member of the Employee Assembly, the Internal Operations Committee of the EA, a member of the Communication committee of EA, and am on the editorial board of Networking.

Since being appointed to the Employee Assembly to fill an unexpired term in December 1988, I find the work of the Assembly interesting, challenging and rewarding. It is my hope that as a representative, I would be able to serve as a spokesperson for the many peripheral campus groups that may feel they have no voice in campus affairs. It is my strong belief that ALL Cornell employees be able to voice their concerns, and further, that these concerns be presented in the proper forum.

Ballots Mailed March 6

The week of March 6 ballots will be mailed to employees for election of eight representatives to serve on the 1989-90 Employee Assembly. We urge each of you to take a few minutes to mark your ballots and return them.

Representatives on the Employee Assembly are your fellow employees who address issues that concern us all. Please take the time to read the candidates' statements and cast your ballot. These statements will be printed in Networking and will be included in the mailing of ballots. If you are interested in serving or continuing on an Employee Assembly committee, please fill out the committee application form enclosed with your ballot. There will also be a "Meet the Candidates" brown bag luncheon on March 2, 12:00-1:00 p.m. in the Third Floor Conference Room of Day Hall. This will be a good opportunity for you to meet and ask questions of the candidates.

Don't hold your ballot. Deadline for return is March 20. Let your vote count!

Meet with the
Candidates
Today at Noon

Day Hall Board Room.



Explanation of Logo's Significance

Logo reveals the back side or "Behind the Surface" image of Cornell University.

Once behind the confronting glare of the Cornell Bear, we can see two things: The true substance of the power of the employee.

Whereas on the surface the powerful bear casually leans on the "C" of Cornell for support, the employee supports the "C."

The letters allude to the symbolic chain in which the employee provides the crucial link:

The " " supports the bear, the employee supports the "C," and the employee association supports the employee.

Leadership Leads

By George Peter

Ten Traits that Make People Happy and Successful

- They enjoy their work.
- They have self-esteem and a positive attitude.
- They use negative experiences to discover their strengths.
- They are decisive, disciplined goal-setters.
- They have integrity and help others succeed.
- They are persistent.
- They take risks.
- They have developed good communication and problem-solving skills.
- They surround themselves with competent, responsible, supportive people.
- They believe in a higher power, and sometimes just plain luck.

Taken from Bottom line Communicator—a review of (MegaTraits--12 Traits of Successful People by Doris Lee McCoy; Wordware Publishing, Inc. Plano, TX 75074; 304pp., \$17.95)

Brown-Bag Luncheon



Wednesday
March 8, 1989
445 Statler Hall
12:15 p.m.

Find out about the CORNELL UNIVERSITY SMOKING POLICY

from
Smoking Commission—University Assembly
and
Peter Tufford—Office of Human Resources



Tina Fenn

Photo by Sigrid Peterson

Cornell After Hours

By William Herman

To say that Tina Fenn is a talented, extremely busy person would undoubtedly be an understatement.

Tina works as a cataloger and editor with the New York Historical Resource Center at Cornell's Olin Library. Currently Tina is working on the Historical Documents Inventory. This project involves inventorying all archival materials housed in New York State which are available to the public for research. This inventory is particularly appreciated by historians, genealogists and scholars.

In addition, Tina is an accomplished flutist, holding a bachelor's degree in music from Indiana University, Bloomington, Indiana. Being a performing flutist, Tina's experience is varied, including, but not limited to, such groups as the Cornell Symphony Orchestra, Cornell Composers Concerts, Cornell Musica Nova, Cornell Savoyards and the Ithaca Bach Group. She is on the substitute list for the Syracuse Symphony Orchestra and the Tri-cities Opera in Binghamton.

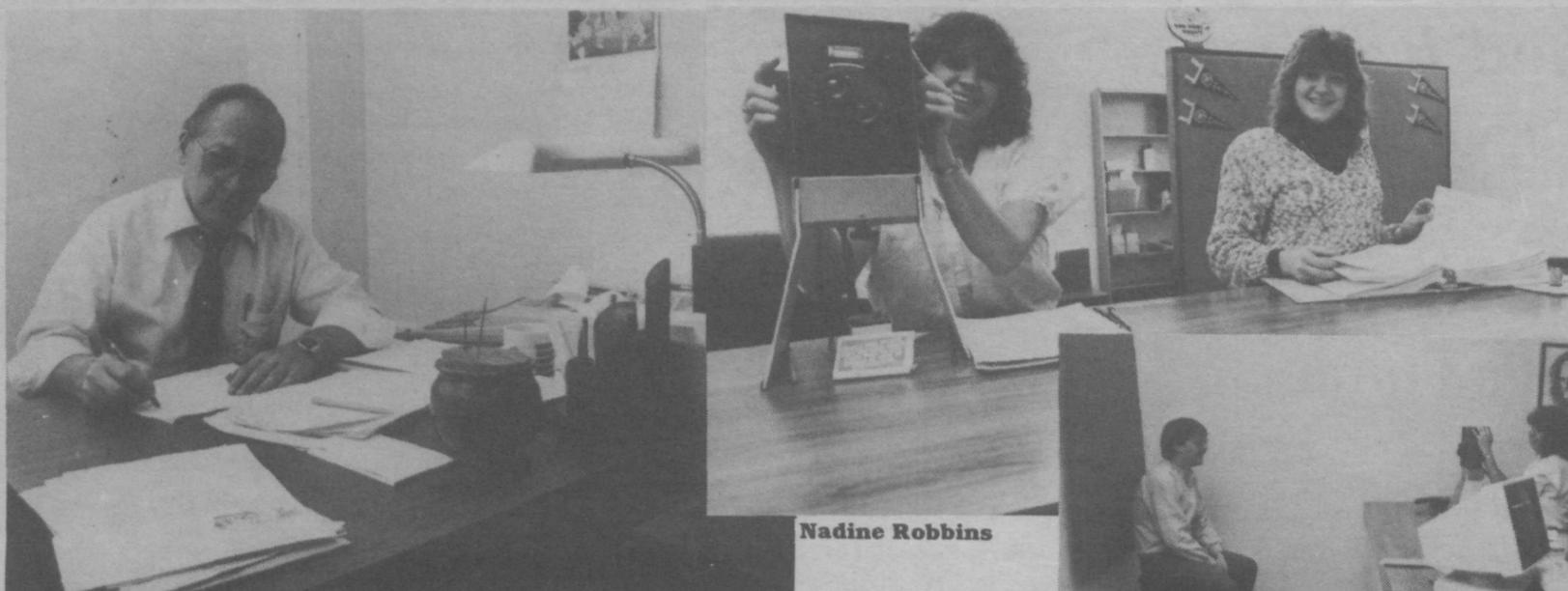
Love of chamber music led Tina and her husband Ben, a violinist, together with a cellist to form the Taughannock Trio. This group performs at Cornell and in the Ithaca community. The trio has played chamber music for a concert with the Whitton Choral, for a Christmas Open

House at the Dewitt Historical Society and for wedding receptions and an art opening.

Growing up in Indiana, Tina developed an interest in natural history and animal behavior while roaming the virgin woodland surrounding her home. In keeping with this, Tina has a few pets she keeps for enjoyment. They include a donkey, angora goats, sheep, angora rabbits, geese, ducks and some bantam-cross chickens. She also lives with an Irish wolfhound, a German shepherd, several cats and a few chinchillas.

Part of her enjoyment comes from working with the fleece of her sheep, goats and rabbits. She frequently makes blends of two or more of these fibers, perhaps adding silk, and spins the wool into yarn. The yarn is used in knitting sweaters and caps of her own design. She also spins exotic fibers such as alpaca, camel wool and cashmere, either separately or combined with silk. By doing this, Tina can produce yarns not readily available in stores.

When she is not practicing, performing or caring for her animals, Tina also enjoys international folk dancing, cross-country skiing, and collecting books and prints. She also hopes to resume riding, being interested in dressage and combined training.



Fred Keib, manager

Nadine Robbins

Photo Services: More Than Just ID Cards

Most Cornellians are acquainted with Photo Services as the office from which they received their ID card. Few realized that ID cards are only a minor segment of the services the department provides. It provides a broad range of photographic and micrographic services including portraits, passports, industrial and commercial photography, slides and slide duplication, photo copying and printing. They also provide archival microfilm and computer output microfiche (COM).

Photo Services was established more than 40 years ago with the name Photographic Sciences. Its mission was to establish a centralized campus service providing professional photographic services in a timely and organized manner at competitive cost. The name has been changed to Photographic and Micrographic Services, but the mission remains the same. The staff has added services as needs arise and deleted others as needs change.

The staff is made up of three professional photographers: Fred Keib, manager, Morris Peck and Barry Delibero. All have extensive experience in photographing portraits, passports, construction, architecture, groups, publicity, sports publicity, lab equipment and experiments and veterinary surgical procedures. They can provide photographic services to meet most requirements.

Two microfilm technicians, Brian Carpenter and Alan Thomas, and camera operator, Amy Russell, are knowledgeable in all aspects of microfilm-production and

provide archival microfilm for Cornell libraries, administrative offices, college departments and various other clients.

Karen Maclean and Nadine Robbins provide the office support needed for the department. In addition, Karen is the COM operator and Nadine produces most of the ID cards.

The employees' outside interests are as diverse as their jobs.

Fred likes reading, camping, hunting and motorcycle touring. He is president of a motorcycle club in Cortland.

Morris owns and manages an apartment house and enjoys camping and woodworking.

Barry is a motorcyclist combining riding and nature photography, enjoys enduro bike riding and this winter found time to help organize a club that races radio-controlled cars.

Brian is a novice motorcyclist and an excellent league bowler, currently holding a 197 average. He is also pretty good with a pool cue.

Alan camps, fishes and enjoys activities with his infant son.

Karen plays league softball, drives a 4x4 pick-up and enjoys going to auto races. She also goes 4x4 hill climbing and mud racing with her husband.

Nadine and Amy enjoy reading and social activities.

The Photo Services staff is here to serve the Cornell community, providing professional quality and cost-effective products and services.

Morris Peck



Amy Russell, Alan Thomas, Brian Carpenter



Karen McLean



Barry Delibero

Unclassified Ads

1. Please send all unclassified ads through Campus Mail ONLY to Networking Unclassifieds, Humphreys Service Building, (hand delivered ads will be omitted) - no phone calls please.
2. For our information your name and campus phone number MUST be submitted with ads, otherwise your ad will be omitted.
3. All unclassified ads are free of charge to Cornell faculty, staff and students and will be printed in the order received as space permits.
4. Please limit your ad to 30 words or less. Any ad longer than 30 words may be shortened by the Networking staff.
5. Unclassified ads are for nonbusiness purposes only.
6. The deadline for the March 16 issue is February 27.
7. If an error appears in your ad, please resubmit the ad to be published in next available Networking.

8. Please submit an ad for each issue that the ad should appear in.

For Sale

1979 Mazda RX7, 42k miles, AM-FM cassette, exc cond, \$3,000 firm. Paul 274-4308 days or 589-6662 eves.

1970 Int. Scout 4x4, 4 cyl, 3 spd, exc power train, fair body, full cab with roof rack, \$500. Terry Spittler, 315-787-2283 Geneva.

Panasonic RK-T40 electronic typewriter, like new, 24 character LCD display, 1 line correction memory, computer interface capability, \$150. Dianne 5-8545.

Dining room set, 40x62 table with 12" leaf, six cane-backed chairs, large lighted hutch, modern style, walnut, \$800. Pat 5-5525 days or 739-9911 (Horseheads) eves.

Atari 2600 and games, best offer. 539-6723 after 6pm.

Editorial Board

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Cheryl Seland

CORNELL EMPLOYMENT NEWS

March 2, 1989

Including Job Opportunities

Volume 1, Number 7

Federal Legislation Establishes Temporary Benefits Continuation COBRA Provides Extension at Group Rates



Benefits Specialist Bonnie Clark counsels Cornell employee on benefits issues.

If your endowed health care coverage terminates for one of the reasons listed here, you and your covered dependents have the opportunity for a temporary extension called "continuation coverage" at group rates. A federal law called COBRA has established minimums for the continuation period. In some instances, the program may already allow continuation privileges beyond federal guidelines.

Qualifying Events for Employees: Employees who participate in the endowed health care plan have a right to choose continuation coverage in two instances:

- 1) the loss of group coverage due to a reduction in work hours,
- 2) termination of employment for reasons other than gross misconduct

Notification will automatically be issued by Cornell at the time of one of these events.

Qualifying Events for Dependents: In certain situations covered spouses have the right to choose continuation coverage in three instances:

- 1) the death of your spouse, 2) termination of your spouse's employment for reasons other than gross misconduct or a reduction in your spouse's work hours, 3) divorce or legal separation from your spouse

Dependent children of participants also have the right to continuation coverage for any of the following four reasons:

- 1) the death of a parent employed by Cornell, 2) termination of a parent's employment for reasons other than gross misconduct or reduction in a parent's work hours with Cornell, 3) divorce or legal separation of parents, 4) dependent ceases to be a "dependent child" as defined by the endowed health care program

An employee or family member must contact Employee Benefits within 60 days of a death, divorce, legal separation, or a child losing dependent status under the plan to obtain a continuation application.

What if my job is terminated due to a layoff or reduction in the work force?

If you are no longer employed as a result of a layoff or reduction in the workforce by the university, COBRA allows you to continue the coverage for up to 18 months. The university will continue to pay the equivalent of its contribution for up to 12 months following the layoff date.

Bills for required premiums are mailed directly to you by Cornell University on a semiannual basis. If you continue on COBRA continuation beyond 12 months, you will be responsible for the full cost (Cornell and employee contributions) plus 20%. Billings will be issued monthly by Aetna.

Can I continue my coverage during a leave of absence without salary?

Yes. During a leave of absence without salary, you may arrange to make advance payment of your premiums to Cornell University to keep your coverage in effect; you are responsible for the full cost of the coverage.

Temporary Extension Period: In the case of the death of an employee or retiree, coverage may continue until the surviving spouse remains and/or the dependent children no longer qualify as dependents. Otherwise, the health care coverage may be continued for up to 36 months unless your coverage ended due to a termination of employment or reduction in hours. In these situations, the coverage may be continued for up to 18 months including the period of layoff or leave of absence. The federal law also provides that the coverage period may be cut short for any of the following five reasons:

- 1) Cornell no longer provides group health insurance to any of its employees, 2) you fail to make timely payment of any premium due, 3) you become an employee covered under another group health plan, 4) you become eligible for Medicare and do not qualify for Cornell retiree health care coverage, 5) you were divorced from a covered employee and subsequently remarry and are covered under your new spouse's group health plan

You do not have to show that you are in good health to choose continuation coverage. However, with the excep-



Benefits Asst. Karen Raponi is available to provide assistance, 5-3936

tion of the first 12 months of a layoff you will have to pay the entire cost (employer and employee) for your continuation coverage. At the end of the 18-month or 36-month continuation coverage period, you may be allowed to enroll in an individual conversion health policy. The administrator for the COBRA continuation is AETNA.

SEXUAL HARASSMENT

Cornell's Policy

Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when

- submission to such conduct is either explicitly or implicitly a term or condition of employment or academic status
- submission to, or rejection of, such conduct by a person is the basis for an employment decision or an academic decision affecting that person
- such conduct substantially interferes with a person's work or academic performance or creates an intimidating, hostile, or offensive working or learning environment

A Message from the President

A university community cannot flourish in the absence of an understood and accepted code of conduct that ensures basic civility and a respect for the dignity of every individual. We must make it unmistakably clear to every member of the faculty, to every employee, and to every student that sexual harassment will not be tolerated.

The basic integrity of a university community is threatened whenever a teacher intimidates a junior colleague or a student by making unwelcome sexual advances or by proposing sexual favors as a condition of advancement. Harassment by university employees, especially supervisors or others in authority, is similarly unacceptable, as is sexual harassment among peers.

We cannot ignore the problem or pretend that such conduct does not happen at Cornell. Accordingly I call upon every academic and administrative official of the university to give this subject the serious attention it requires. Students and faculty members should be encouraged to bring complaints to an appropriate university office, which may include the Office of the University Ombudsman, the Office of Equal Opportunity, or the office of an appropriate adviser, department chairperson, or dean. Nonacademic employees should be directed to the ombudsman, the Office of Equal Opportunity, or the Office of Human Resources. All concerns will be treated with appropriate confidentiality, and those bringing them will not suffer retaliation by any university official for having reported an incident.

To help improve Cornell's program of affirmative action and equal opportunity, I have also directed the Office of Equal Opportunity to assume a special monitoring role on the issue of sexual harassment.

I shall need your help in bringing the university's position in this matter to the attention of the widest possible audience. Moreover, I urge you to take appropriate action when cases of this kind come to your attention. There must be no mistake about our determination to do everything possible to eradicate sexual harassment from our campus.

President Frank Rhodes

Sexual Harassment Prevention Workshops

The Office of Equal Opportunity offers sexual harassment prevention workshops for employee and student groups. Topics covered in the workshops include a definition of sexual harassment, laws and policies regarding sexual harassment, what to do if you are harassed, how sexual harassment complaints are handled, and where to go for help. Participants have an opportunity to discuss their concerns about sexual harassment, ask questions, and do problem-solving through case studies. For more information, call Carolyn McPherson at 255-3976.

Smokestoppers Offered



Smokestoppers is designed to help you stop smoking. The program, presented by the Health Education Department at TCH will be held March 13, 20, 21, 22, 23, 24, 28; April 4, and 11, from noon to 1:00 p.m.

Cost \$45; registration no later than March 6. Contact Training and Development, 107 Day Hall, 5-7170.

"Our job as a community is to help those of our friends and colleagues who suffer from 'invisible' handicaps to enjoy useful and productive work experiences."

"The handicapped want nothing so much as acceptance of themselves as persons and do not want misplaced, often self-serving sympathy because of physical or mental limitations."

Malcolm A. Noden, faculty member
See Disability Notebook, page 4

JOB OPPORTUNITIES

March 2, 1989

Volume 1, Number 7

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

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

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

Professional

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

Submit a resume and cover letter for each position, specifying the job title, department and job number.

Technical Specialist I (PT5718)

CIT/Systems-Endowed

Design, implement, install, document and maintain systems software or significant subsystems in Unix systems. Provide leadership in designing and adapting functional enhancements to Unix systems, primarily Bell system 5 or BSD 4.3.

Requirements: Bachelor's with computer courses in operating system fundamentals. Minimum 3-5 years experience with Unix operating systems and significant subsystems; knowledge of hardware concepts and virtual machine concepts as they relate to software issues. Knowledge of C and IBM 370 assembler language is essential. Experience with VM is a plus. Send cover letter and resume to Judi Baker by March 17.

Applications Programmer/Analyst II (PT5715)

University Registrar-Endowed

Under direct supervision, design, develop, modify and document straight forward applications software in support of major administrative system.

Requirements: Bachelor's or equivalent with computer related courses. Knowledge of at least 2 programming languages-PL/1, Natural, COBOL, Mark IV; knowledge of applications for interactive and batch administrative systems, database management systems, VM/CMS, etc. Send cover letter and resume to Judi Baker by March 17.

Associate Director (PA5701) HRI

Institutional Planning and Research-Endowed

Assist Director in supervising IPR professional staff, directing strategic planning and research efforts, and developing management information systems to support those efforts. The scope of planning and research activities will include issues related to planning, financial aid, financial resources, human resources, and student preceptions, preferences and attitudes.

Requirements: MBA or an advanced degree in a related social science field, PhD preferred. 5-7 years broad based experience in higher education; well developed research skills including a knowledge of statistics and survey methodology; experience in systems analysis and development. Send cover letter and resume to Cynthia Smith-bower by March 24.

Marketing Specialist (PA5601) HRI

Theory Center-Endowed

Provide a high level of overall support to the Corporate Research Institute (CRI) including in-depth industrial research and analysis, defining marketing strategies, and representing CRI at regional and national conferences. CRI matches the needs of corporations with resources of the Theory Center and the Cornell Research community.

Requirements: BA in communications, marketing, public relations, or equivalent experience. Minimum 4 years demonstrated experience working with corporate markets; must be able to communicate complex technical and/or scientific concepts; technical/scientific background helpful; experience with Macintosh desirable. Send cover letter and resume to Search Committee: Marketing Specialist by March 10.

Applications Programmer/Analyst II (PT5602)

Information Technologies-Endowed

Under direct supervision, design, develop, modify and document straight forward applications software in support of a major administrative system.

Requirements: Bachelor's or equivalent with computer related courses. 2-3 years experience. Knowledge of at least two languages-NATURAL, PL/1, COBOL; knowledge of applications, interactive and batch administrative systems, data base management systems, machine architecture, utility programs, VM/CMS. Send cover letter and resume to Judi Baker by March 10.

Research Support Specialist II (PT5719) HRI

Agricultural and Biological Engineering-Statutory

Assist with the research and extension projects of the Cornell Local Roads Program. Administer microcomputer systems, database management, develop applications programs, conduct training courses on computers, assist internal staff, write data acquisition programs, prepare reports from data bases, analyze data using spread sheets & statistical packages. Until 12/31 with probable extension.

Requirements: Bachelor's in computer science or related field with substantial coursework and experience in computing. Valid NYS driver's license required. Minimum 3-4 years of responsible programming experience in FORTRAN, dBASE III, C and PASCAL languages. 2 years database management experience. Good typing skills. Good interpersonal and communication skills necessary. Send cover letter and resume to Judi Baker by March 17.

Staff Writer II (PC5705) HRI

University Development-Endowed

Persuasive, skillful, creative writer to join Development Communications staff. Responsible for articles, letters, proposals, brochures designed to increase support for Cornell. Primarily original writing; some ghost-writing and editing.

Requirements: Bachelor's. Minimum 3 years related experience in fund raising, marketing, p.r. or higher education helpful. Send cover letter, resume and 3 writing samples to Gil Ott, 726 University Avenue.

Executive Staff Assistant (PC5703) HRI

Statutory College Affairs-Statutory

Provides executive staff, administrative and secretarial support to the Director of Statutory College Affairs and Special Assistant to Vice President for Planning and Budgeting. Works independently with a high level of confidentiality.

Requirements: Bachelor's or equivalent experience. Minimum 2-3 years executive/administrative support experience. Knowledge of word processing equipment and programs-IBM PC as well as Macintosh. Ability to organize, set-up and use data base and spreadsheet applications. Able to set priorities and work under pressure. Strong communication (verbal and written) skills and organizational ability. Send cover letter and resume to Esther Smith by March 8.

Senior Editor (PC5713) HRI

University Relations/Publications Services-Endowed

Edit manuscripts and supervise the production of a wide variety of Cornell University publications to ensure their accuracy, clarity, timeliness, and effectiveness.

Requirements: Bachelor's and at least 3-4 years of editing experience. Computer experience recommended. Ability to work both independently and tactfully with others. A keen grasp of language, syntax, and detail; and organizational capacity are essential. Send cover letter and resume to Esther Smith.

Development Acknowledgments Supervisor (PA5702)

HRI

University Development-Endowed

Develop, implement and supervise an enhanced and personalized gift acknowledgment program. Supervise collection of information, coordination, and production of personalized letters, invitations, and other large scale automated mailings. Work in close coordination with Development Communications, Public Affairs Records, and other University Offices.

Requirements: Bachelor's or equivalent. 1-2 years Development or Public Affairs experience desirable. Familiarity with advanced word processing systems, such as Wordperfect as well as IBM and/or Macintosh Local Area Networks preferred. Knowledge of the Cornell Public Affairs mainframe based computer system helpful. Excellent organizational skills to work with multiple programs and many users. Attention to detail essential. Send cover letter and resume to Cynthia Smith-bower by March 17.

Systems Analyst II (PT5610)

Law-Endowed

Provide the main computer hardware support in the Law School. Responsible for the maintenance and operation of IBM-Compatible Microcomputers and internal local area computer network. Must be available for contact/troubleshooting evenings and weekends.

Requirements: Bachelor's or equivalent required. Minimum 2-3 years related experience. Knowledge of maintenance, trouble shooting, configuration and repair techniques for IBM-Compatible microcomputers. Knowledge of local area networks. Computer programming experience. Excellent interpersonal skills required. Send cover letter and resume to Judi Baker by March 9.

Professional Off-Campus

Research Support Specialist I (PT5711) HRI

Food Science and Technology-Geneva-Statutory

Develop analytical methods for pesticides and other chemicals in water & agricultural products. Document & prepare written procedures for publication & regulatory use.

Requirements: Bachelor's in chemistry or related field. MS desired. Minimum 2 years related lab experience. Send cover letter and resume to Judi Baker by March 17.

Research Support Specialist I (PT5709) HRI

Food Science and Technology-Geneva-Statutory

Manage biochemical and enzymological work on plant natural products involving intact plants and tissue cultures. Responsible for independently developing procedures and methodologies required to characterize metabolic pathways and the enzymes involved.

Requirements: Master's in biochemistry, physiology or related areas. Minimum 2 years related lab management experience. Send cover letter and resume to Judi Baker by March 17.

Research Support Specialist II (PT5710) HRI

Food Science and Technology-Geneva-Statutory

Review literature on food processing technologies used in dairy, preserved fruits and vegetable, and bakery indus-

tries. Review reports produced by consultants. Prepare lists of recommended sources of processing technologies and prepare economic data on NYS food industries. Conduct energy audits of food plants and run computer analyses of energy consumption and conservation data. Laboratory work in energy intensive food processing operations: canning, freezing, and evaporation.

Requirements: Master's in food science or engineering. Minimum 3 years related experience. Knowledge of New York State food industries, technologies and economics. Send cover letter and resume to Judi Baker by March 17.

Professional Temporary

Program Coordinator (PA5603)

City and Regional Planning-Endowed

Provide administrative support to the Summer Urban Affairs Program for minority high school students. Coordinate recruitment and application process. Assist with scholarship fund raising. 20-25 hours per week. Until August 1989.

Requirements: Bachelor's in student affairs or related field. Some related experience (e.g., program planning). Strong organizational, interpersonal and communication skills. Experience working with young adults helpful. Send cover letter & resume to Cynthia Smith-bower by March 10.

Research Support Specialist II (PT5609)

Nutritional Sciences/CFNPP-Statutory

Descriptive analysis of large data set, including programming and documentation preparation. Until 7/1/89. 15-20 hours per week.

Requirements: Bachelor's or equivalent. SAS programming experience required. Send cover letter and resume to Judi Baker as soon as possible.

Residence Program Director (PA5308)

Summer Session-Endowed

Live in residential program director for Summer College program. Involved in staff selections and training, administration of program including administrative records, supervision of staff, and discipline of program participants. 6/1/89-8/15/89.

Requirements: Master's preferred, Bachelor's required in student affairs or related area. Residential experience preferred, experience working with adolescents required. Computer knowledge helpful-Dbase and Macintosh. Send cover letter & resume to Cynthia Smith-bower by March 10.

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.

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

Technician, GR21 (T5708)

Microbiology-Statutory

Minimum Biweekly Salary: \$557.70

Design, develop and perform experiments in bacterial genetics and physiology. Maintain and catalog bacterial culture collections. Inventory, order and maintain supplies and reagents. Oversee and assist in preparation and maintenance of media, stock solutions and glassware; maintenance of facilities and equipment.

Requirements: Bachelor's or equivalent in microbiology or related area. Minimum 2-3 years related laboratory experience. Familiarity with bacteriology, microbial physiology, and/or biochemistry. Knowledge of basic recombinant DNA techniques is desirable. Apply by March 17.

Computer Programmer, GR22 (T5608)

University Council Office-Endowed

Minimum Biweekly Salary: \$581.09

Maintain and upgrade existing database programs within University Council Office. Develop new applications as necessary. Maintain computer equipment and correct software problems as they occur. Assist with data entry and word processing.

Requirements: Associate's in computer science or equivalent. Minimum 3 years related experience. Knowledge of IBM and IBM compatible equipment, Fox Base, Wordperfect, Dbase II, LOTUS; strong organization and interpersonal skills, good oral and written communication. Send cover letter and resume to Judi Baker by March 9.

Technical Off-Campus

Technical Assistant, GR15 (T5707)

Entomology-Geneva-Statutory

Minimum Biweekly Salary: \$429.01

Maintain diamondback moth cultures, conduct bioassay experiments, and assist in field research plots. 1 year appointment.

Requirements: High School diploma. 1 year experience in Horticulture or equivalent lab experience desired. Familiarity with diamondback moth rearing and bioassay procedures helpful. Apply by March 10.

Technician, GR18 (T5712, T5713)

Equine Drug Testing-Vernon Downs, NY-Statutory

Minimum Biweekly Salary: \$487.50

Perform routine analysis of horse blood and urine in a field lab at Vernon Downs, Vernon, NY. Assist lab director as needed. Sat, Sun & holidays included. 1:30 p.m.-10 p.m.

Requirements: Associate's in chemistry or equivalent experience. Minimum 1-2 years experience with thin layer chromatography and general laboratory procedures. Apply by March 10.

Technician, GR18 (T5716)

Equine Drug Testing-Statutory

Minimum Biweekly Salary: \$487.50

Perform analysis of blood and urine in a field drug testing lab at Saratoga Raceway. Assist lab director as needed. Saturday, Sunday & holidays included. 1:30 p.m.-10 p.m.

Requirements: Associate's in chemistry or equivalent experience. Minimum 1 year related experience with general laboratory procedures and TLC analysis. Apply as soon as possible.

Technician, GR20 (T5518)

Agronomy-Statutory

Minimum Biweekly Salary: \$534.30

Provide technological support, through many phases of experimental techniques, for field research and demonstration programs in crops and soils. Job location is Chazy, NY with travel in Clinton, Essex, and Franklin Counties.

Requirements: High School diploma. Associate's in agriculture with emphasis in agronomy or plant science desirable. 2-3 years of research farm experience. Experience in the operation and maintenance of farm and research farm equipment. Apply as soon as possible.

Technical Part-Time

Computer Operator, GR20 (T5717)

University Press-Endowed

Minimum full-time equivalent: \$534.30

Operate the Cornell University Press computer system for the afternoon shift production schedule. Monday-Friday, 5 p.m.-10 p.m. with later hours required 2-3 nights per week.

Requirements: High School diploma or equivalent. Associate's desired. Formal training or experience in a data processing environment helpful. Minimum 2-3 years computer operations experience preferred. Apply as soon as possible.

Office Professionals

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

Submit a signed employment application and resume. 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 East Hill Plaza office.

Office Assistant, GR16 (C5707)

University Health Services-Endowed

Minimum Biweekly Salary: \$448.50

Responsibilities include directing patients to proper destination; schedule appointments; answer questions in regard to the use of the Health Services.

Requirements: High School diploma or equivalent. Practical nursing or medical background preferred. Must be able to work in a high pressure work atmosphere. Strong interpersonal and communication skills required.

Circulation/Reserve Assistant, GR16 (C5107)

Uris Library-Endowed

Minimum Biweekly Salary: \$448.50

Under direction of circulation supervisor, work at public service desks. Responsible for variety of clerical duties in support of circulation/reserve activities. Tuesday-Saturday, daytime and evening hours. 30 hours per week.

Requirements: High School diploma or equivalent. Ability to work well with variety of people in public service setting. Strong organizational and communication skills. Light typing.

Senior Records Assistant, GR18 (C5714)

Catalog Management-CUL-Endowed

Minimum Biweekly Salary: \$487.50

Responsible for retrospective conversion of catalog copy including searching, deriving, and tagging machine-readable records in various on-line databases; revise and update machine-readable records and shelf list cards. 12 month term appointment. Noon to 9 p.m.
Requirements: High School diploma or equivalent. Minimum 1 year related experience. Some college preferred. Ability to do detailed work accurately; working knowledge of NOTIS and RLIN cataloging systems and the US MARC format for bibliographic data desirable. Medium typing.

Office Assistant, GR18 (C4318)
Veterinary Medical Teaching Hospital-Statutory
Minimum Biweekly Salary: \$487.50

Schedule appointments, take messages, page doctors, using good judgment for emergencies and dispensing general information to public. Small Animal Clinic phone reception. Monday, Tuesday, Thursday, Friday, 8 a.m.-6 p.m.; Saturday, 8-12 noon. Some holidays.
Requirements: High School diploma or equivalent. Minimum 1 year related experience. Medical terminology helpful. Familiarity with computers. Excellent phone techniques.

Secretary, GR18 (C5710)
International Students and Scholars-Ended
Minimum Biweekly Salary: \$487.50

Serve as receptionist; provide secretarial support for several staff members; duties include typing; word processing (IBM/PC); filing. Other duties as assigned.
Requirements: High School diploma or equivalent. Business or secretarial school preferred. Minimum 1 year experience in dealing with public. Ability to work under pressure with many interruptions. Medium typing.

Accounts Assistant, GR18 (C5706)
Statler Hotel-Ended
Minimum Biweekly Salary: \$487.50

Maintain accurate records of all hotel accounts payable; process all necessary information to the University Accounting Department accurately and promptly to insure the proper payment; provide administrative aide support for the Hotel Controller's department.
Requirements: High School diploma or equivalent. Minimum 1-2 years experience in accounting/bookkeeping. Computer and word processing experience required. Medium typing.

Secretary, GR18 (C5708)
Traffic Bureau-Ended
Minimum Biweekly Salary: \$487.50

Provide secretarial and office support for the Traffic Bureau. Accurately transmit information concerning parking and traffic to the university community and make appropriate referrals; input data to the computer systems.
Requirements: High School diploma or equivalent. Business or secretarial school desirable. Minimum 1-2 years experience and skill in general office procedures. Good organizational and communication skills. Experience with computers very necessary, e.g. work with microcomputer and mainframe terminals. Light typing.

Senior Department Assistant, GR18 (C3023)
Public Service/Law Library-Ended
Minimum Biweekly Salary: \$487.50

Under general supervision, responsible for operation of A-V Center. Maintain microfilm collection; aid patrons in locating, reading or copying desired materials. Assist patrons using PC's and other equipment; control open reserve materials. Familiar with A-V Media. Mechanical aptitude helpful.
Requirements: Associate's or equivalent. Knowledge of PC's. Familiarity with word processing software, especially Wordperfect. Good organizational skills. Able to work with a variety of people in a public service setting.

Office Assistant, GR18 (C4111)
Summer Session-Ended
Minimum Biweekly Salary: \$487.50

Use Mac with PageMaker to produce brochures, fliers, ads, forms and other printed materials; assist Division media manager in accomplishing wide range of marketing and publicity projects.
Requirements: High School diploma or equivalent. Associate's desirable. Minimum 1-2 years experience in media related field preferred. Experience with Apple Mac necessary. Knowledge of advertising, marketing, printing and graphic design. Send cover letter and resume to Esther Smith.

Secretary, GR18 (C5611)
CUL-Access Services-Ended
Minimum Biweekly Salary: \$487.50

Under the direction of the Assistant Access Services Librarian, provide secretarial support for all areas of the department. Type correspondence, reports; assist staff with special projects; act as department receptionist; order, maintain supplies, call in repair requests and maintain statistical records. Mon-Thursday, 8-4:30; Friday, 8-3:30.
Requirements: High School diploma or equivalent with some college background preferred. Strong organizational, interpersonal and communication skills. Minimum 1-2 yrs secretarial experience, knowledge of word processing and microcomputers highly desirable. Medium typing.

Special Collections Assistant, GR18 (C5612)
Manuscripts and University Archives-Ended
Minimum Biweekly Salary: \$487.50

Retrieve and reshelve collections; prepare preliminary listing and reboxing of new collections; maintain stack areas and university biographical file; photocopy; receive and record serials and university publications; supervise students; occasionally work with dusty or dirty material and may have to handle boxes weighing up to 50 pounds. One year appointment subject to renewal.
Requirements: High School diploma or equivalent. Minimum 1 year related office experience. Ability to do detailed work with high level of accuracy, good organizational skills, some knowledge of word processing. Light typing.

Editorial Assistant, GR18 (C5603)
C.U. Press-Ended
Minimum Biweekly Salary: \$487.50

Act as assistant to editor responsible for acquiring scholarly books in the humanities. Type; file; follow-up; some contact with authors and Press advisers.
Requirements: Associate's or equivalent. Minimum 1 year related experience. strong communication (written

and verbal) skills. Prior experience in publishing helpful. Heavy typing. Send cover letter & resume to Esther Smith.

Accounts Assistant, GR19 (C5507)
Center for Environmental Research-Ended
Minimum Biweekly Salary: \$510.90

Responsible for daily financial recordkeeping for all restricted, designated and general purpose accounts in CER; accounts payable vouchers, requisitions, purchase orders, journal vouchers, etc. Post all transactions on in-house Macintosh database. Maintain equipment inventory database. Provide word processing support to small group of central office staff.
Requirements: Associate's or equivalent experience. Minimum 2 years accounting experience; preferably with knowledge of fund accounting. Cornell accounting experience preferred. Macintosh experience preferred. Medium typing.

Administrative Aide, GR20 (C5134)
Summer Session-Ended
Minimum Biweekly Salary: \$534.30

Assist the Summer Session/Extramural Study Registrar in the development, implementation and execution of all processes necessary to register participants for Extramural Study and Summer session.
Requirements: High School diploma required. Associate's desirable. Minimum 2-3 years experience. Ability to work independently, coordinate details, make decisions and work with diverse public. Strong organizational and analytical skills required. Excellent communication skills. Knowledge of various colleges within Cornell preferred. Some accounting. Medium typing.

Sales Assistant, GR20 (C5711)
Ornithology-Ended
Minimum Biweekly Salary: \$534.30

Assist in overall management of daily operations of the Crow's Nest Bookshop to include inventory upkeep, place orders with vendors, respond to inquiries about Laboratory and Bookshop as well as sales operation to include register, daily orders, and phone requests.
Requirements: Associate's in business or equivalent. Minimum 1 year experience in related area. Prior sales work necessary. Ability to deal well with people, previous experience in overall management of an enterprise operation useful. Knowledge and/or interest in birds helpful. Good computer skills needed. Attention to detail. Send cover letter and resume to Esther Smith.

Administrative Aide, GR20 (C5617)
Government-Ended
Minimum Biweekly Salary: \$534.30

Provide secretarial/administrative support for Director of Graduate Studies and Placement Director. Establish, monitor, and maintain grad records/records/placement records/dossiers. Responsible for administering Teaching Assistant budget.
Requirements: Associate's or equivalent. Minimum 2-3 years related experience. Strong organizational skills. Ability to prioritize and work independently. Job necessitates a willingness to work with many interruptions. Demonstrated interpersonal and communication (oral/written) skills essential. Knowledge of IBM Wordperfect and DBXL Database. Experience in academic environment helpful. Medium typing.

Secretary, GR20 (C5607)
Textiles and Apparel-Statutory
Minimum Biweekly Salary: \$534.30

Provide administrative/secretarial support to Department Chair and Graduate Faculty Representative. Responsibilities include keeping appointment calendar; making travel arrangements, taking minutes; drafting correspondence; preparing academic/nonacademic exempt personnel action forms; compiling and coordinating annual reports.
Requirements: Associate's or equivalent. Minimum 2-3 years support work in a University setting. Wordprocessing experience essential, knowledge of Wordperfect and DB3 desirable. Able to work independently and set priorities. A high level of confidentiality is required. Heavy typing.

Personnel Assistant, GR21 (C4316)
Finance and Business Services-Statutory
Minimum Biweekly Salary: \$557.70

Perform counseling, accounting and clerical functions in Optional Retirement Plan (ORP) and Tax-Deferred Plans.
Requirements: Associate's or equivalent; minimum 2 years employee benefit experience, preferably at Cornell. Good organizational, interpersonal and communication skills. Math aptitude. Familiarity with computers and accounting procedures desirable. Excellent communication (oral/written), phone and public relations skills. Light typing.

Accounts Coordinator, GR22 (C5712)
University Press-Ended
Minimum Biweekly Salary: \$581.09

Under general supervision from the Chief Financial Officer, maintain the accounting records of the University Press and CUP Services, including the General Ledger and related subsidiary ledgers, journals and supporting source document files; coordinate the timely execution of the department's internal accounting cycle(s) and its interface with Cornell accounting system.
Requirements: Associate's in accounting or equivalent combination. Minimum 3 years general, cost, or fund accounting experience in a progressively responsible capacity. Knowledge of Cornell accounting system and/or publishing accounting helpful. Familiarity with personal computers, spreadsheet programs, and data processing in general. Send cover letter and resume to Esther Smith.

Accounts Coordinator, GR24 (C5610)
Controller's Accounting-Ended
Minimum Biweekly Salary: \$639.59

Monitor and report the financial activity of sponsored grants and contracts in compliance with agencies' guidelines. Advise and assist university departments in the financial administration of sponsored agreements. Establish accounts, monitor expenditures and prepare monthly, quarterly and annual reports as required.
Requirements: Associate's in accounting or equivalent. Bachelor's desired. Minimum 4 years related university experience, knowledge of Lotus 1-2-3. Excellent written and verbal communication skills are essential. Send cover letter and resume to Esther Smith.

Office Professionals Part-Time

Cashier, GR16 (C5702)
Statler Hotel-Ended
Minimum full-time equivalent: \$448.50

Perform cashier duties in all food and beverage outlets. Accurately record the sales and settle checks for all outlets. Some nights and weekends.
Requirements: High School diploma or equivalent. Able to read, write and possess good basic math skills. Cashier experience in high volume setting required.

Night Supervisor, GR18 (C5709)
Physical Science Library-CUL-Ended
Minimum full-time equivalent: \$487.50

Responsible for Circulation Desk and Copy Service during evening and weekend hours; duties include phone coverage; maintain circulation file. Other duties as assigned including assisting with projects. 20 hours per week. Saturday and Sunday, 5 p.m.-midnight; Monday-Thursday after 5 p.m., hours to be arranged.
Requirements: High School diploma or equivalent. Associate's desired. Minimum 1 year related experience. Strong communication, organizational and interpersonal skills. Library experience highly desirable. Light typing.

Special Collections Assistant, GR18 (C3207)
Veterinary Library-Statutory
Minimum full-time equivalent: \$487.50

Maintain daily operation of AV Learning Resource Center. Answer questions, assist students & other users in locating programs, operating equipment, facility use. Hire, train & supervise student assistants, catalogue organization & maintain media collection; resolve equipment problems.
Requirements: Associate's or equivalent preferred. Minimum 1 year experience (or demonstrated aptitude) with AV media. Public service commitment essential. Work well with variety of people. Excellent interpersonal and communication skills. Able to organize and perform detailed work. Experience with micros desirable. Light typing.

Night Supervisor, GR18 (C5305)
Engineering Library-Ended
Minimum full-time equivalent: \$487.50

Oversee all circulation/reserve functions during evening and weekend hours including providing reference assistance and being responsible for building security. Specific duties include supervising student staff; charging/discharging library material; interpreting policies to users; resolving file and usage disputes and other circulation/reserve activities. 20 hrs per week; 25 hrs per week through May 1989.
Requirements: High School diploma or equivalent. 2 years college coursework desired. Minimum 1 year related public-service experience. Strong interpersonal and communication skills; effective in dealing with public. Experience overseeing students. Light typing.

Secretary, GR18 (C5615)
Arts & Sciences Dean's Office-Academic Advising-Ended
Minimum full-time equivalent: \$487.50

Provide secretarial support for Educational Policy Committee and Undergraduate Research Program. Type, file, arrange meetings. 20 hours per week.
Requirements: High School diploma or equivalent. Minimum 1-2 years related office experience. Strong verbal, communication and interpersonal skills. Dictation desirable. Heavy typing.

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 Laurie Worsell at (607) 255-2192 or 255-7422 for more information.

Office Assistant (S5701)
Summer Session

Provide data entry of all summer student registration information, and perform general clerical duties.
Requirements: High School Diploma or equivalent. Medium typing. Ability to use IBM PC with Wordperfect experience desirable. Unit August 1989. Send cover letter and resume to Laurie Worsell.

Records Assistant (S5601, S5602)
A.R. Mann Library-Statutory

Input serials data into NOTIS database. Formulate holdings information from serials catalog and rotary check-in cards. Other duties as assigned. Monday-Friday, 7:30-5.
Requirements: High School diploma or equivalent. Ability to perform highly detailed tasks accurately and efficiently. Light typing. Call Michele Draiss at 255-9560.

Project Searcher/Typist (S5603)
Mann Library-Statutory

Perform a variety of clerical duties and bibliographic searching, word processing to compile and manipulate lists of books and journals; type project correspondence, compile statistics etc.; search NOTIS and RLIN database. 4 hours per day.
Requirements: Associate's or equivalent. Sophisticated word processing (Word Perfect) skills sorting, merging and working with multiple files are essential. Accuracy and ability to handle detail. Previous library experience, knowledge of bibliographic entry and some familiarity with database managers desirable. Heavy typing. Call Michele Draiss at 255-9560.

Secretary (S5211)
Human Development and Family Studies

Assist faculty and staff of a research and intervention project. Answer phone, prepare daily correspondence, manuscripts, program materials, prepare mailings, file, arrange appointments. Other duties as assigned.
Requirements: High School diploma or equivalent. Minimum 1 year office experience. Medium typing (45-60 wpm). IBM PC or Macintosh experience desirable. Knowl-

edge of Wordperfect and Microsoft Word desirable. Good organizational skills. Temporary, part-time for 1 year. Call Laurie Worsell at 255-2192.

Secretary (S5101)
Ag. and Biological Engineering

General secretarial support for Energy Advisory Service to Industry Program. Type correspondence; handle mail; file; answer phones; copy. 20 hrs per wk, flexible. 4-6 months.
Requirements: High School diploma or equivalent. Minimum 1 year secretarial experience. Computer/word processing skills desirable, preferably with Wordperfect. Medium typing. Send cover letter and resume to Laurie Worsell.

General Service

Submit a signed employment application and resume. 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 East Hill Plaza office.

Food Service Worker, SO01 (G5711, G5715, G5717, G5737)
Dining-Ended
Minimum hourly rate: \$5.50

Set-up, display and serve food and/or beverage. Check Co-op dining cards for validity and make sale transactions by cash or credit card. Shift subject to change.
Requirements: High School diploma or equivalent. Knowledge of food preparation and presentation preferred. Good customer relation skills. Basic reading and computation skills required.

Custodian, SO02 (G5733-G5736)
Statler Hotel-Ended
Minimum hourly rate: \$5.75

Clean the public guest areas of the hotel; stock guestroom floor closets for the room attendants; act as linen room attendant as needed. Some nights and weekends.
Requirements: High School diploma or equivalent preferred. Hotel housekeeping desired. Basic reading and writing skills.

Dish Machine Operator, SO02 (G5703, G5720-G5727)
Dining-Ended
Minimum hourly rate: \$5.75

Wash dishes, utensils, pots and pans. Stock assigned areas. Shift subject to change.
Requirements: High School diploma or equivalent. Able to learn proper use of dishwashing equipment and cleaning agents. Able to lift 35 pounds.

Food Service Worker, SO02 (G5701, G5718)
Dining-Ended
Minimum hourly rate: \$5.75

Prepare, present and serve food items for Co-op, cash, catering or special events. Shift subject to change.
Requirements: High School diploma or equivalent. 1 year related experience. Working knowledge of food preparation and presentation. Able to operate choppers, slicers, mixers, ovens, steam kettles, pressure steamers and various hand tools. Good customer relation skills.

Custodian, SO02 (G5705-G5708)
Buildings Care-Ended
Minimum hourly rate: \$5.75

Provide general custodial care of buildings and grounds in immediate vicinity of assigned area. Monday-Thursday, 6 a.m.-2:30 p.m.; Friday 6 a.m.-1:30 p.m.
Requirements: High School diploma or equivalent. Able to operate a variety of heavy power equipment, lift 50 pounds and climb an 8 foot ladder. Basic reading and writing skills.

Custodian, SO02 (G5709)
Buildings Care-Statutory
Minimum hourly rate: \$5.75

Provide general custodial care of buildings and grounds in immediate vicinity of assigned area. Monday-Thursday, 6 a.m.-2:30 p.m.; Friday 6 a.m.-1:30 p.m.
Requirements: High School diploma or equivalent. Able to operate a variety of heavy power equipment, lift 50 pounds and climb an 8 foot ladder. Basic reading and writing skills.

Custodian, SO02 (G5704)
Dining-Ended
Minimum hourly rate: \$5.75

Provide general custodial care in assigned area. Shift subject to change.
Requirements: High School diploma or equivalent. Able to operate a variety cleaning equipment, lift 75 pounds and climb an 8 foot ladder. Basic reading and writing skills.

Material Handler, SO04 (G5702, G5729, G5739)
Dining-Ended
Minimum hourly rate: \$6.25

Receive, inspect, store and issue food products, equipment and supplies. Clean and maintain assigned areas. Shift subject to change.
Requirements: High School diploma or equivalent. Basic reading and computation skills required. Knowledge of storeroom/inventory techniques and purchasing/receiving food. Able to lift 75 pounds on continuous basis. NYS driver's license required.

Material Handler, SO04 (G5710)
Unions & Activities-Ended
Minimum hourly rate: \$6.25

Verify, receive and stock merchandise. Oversee delivery and stocking service areas and ensure the security of storage areas. Supervise up to 2 students. Monday-Friday, 7 a.m.-3:30 p.m. 10 months. Summer appointment possible.
Requirements: High School diploma or equivalent. Minimum 1 year previous store/stock experience or equivalent required. Must possess proven background of accuracy & dependability. New York State driver's license required.

Material Handler, SO05 (G5731, G5732)
University Press-Ended
Minimum hourly: \$6.55

Receive and warehouse all books published by department. Fill and ship orders; operate computerized USPS and UPS postage machine and electronic scale; operate



Disability Notebook

by Joan Fisher

Have you ever found yourself glaring at an apparently able-bodied person as he or she steps out of an automobile after parking in a reserved handicapped parking space? Do you sometimes suspect that individuals may be trying to get out of disagreeable tasks when they report that they can't participate in an activity due to a disability? This person may well have a "hidden disability" which refers to a disabling condition or impairment which is not apparent from looking at a person.

Today's column is written by Malcolm A. Noden, a faculty member in the Hotel School who suffered a major heart attack in 1985 and whose physical activities are somewhat limited as the results of cardiovascular disease. He helps us look at these hidden disabilities.

Cornell University has taken several recent steps to deal with the questions of the handicapped within the university community. As an example, Joan Fisher, coordinator of disability services, has recently circulated a survey within the campus to help identify those of our friends and coworkers who have various types of disabilities. This self-identifying survey will enable the university to fulfill both its statutory responsibilities as well as its pledge of equal opportunity for all employees both prospective and current.

Typically, questions of access to various buildings on campus have dominated the community's attention when questions of the disabled are passed. However important those may be, and they are very important, we need to better understand some of the definitions of, and circumstances which affect, the handicapped and disabled.

To be specific most of us can recognize a handicapped person when that handicap is a physically obvious condition. Persons who are in wheelchairs, use crutches, are in orthopedic braces or have unusual gait or speech patterns are examples of such obvious handicaps.

However, other handicaps which may partially disable include the less obvious but equally problematic conditions such as cardiovascular disease, high blood pressure, hearing and vision impairments, and a whole range of mental handicaps, some genetic and some induced by trauma.

In almost all of these cases the handicap is not immediately obvious, but none the less restricts the mobility and some activity of those involved. In such cases the university tries to accommodate the employee or student in a number of ways ranging from the provision of support groups to restricted parking access.

Our job as a community is to help those of our friends and colleagues who suffer from "invisible" handicaps to enjoy useful and productive work experiences. It is clear that we should try to be sensitive to their needs, especially as it applies to such issues as building access, special parking privileges, use of public transportation, and specially adapted equipment in the workplace.

The handicapped want nothing so much as acceptance of themselves as persons and do not want misplaced, often self-serving, sympathy because of physical or mental limitations.

Jobs *Continued from page 3*

forklifts; load and unload trucks; put stock in 18 foot high bulk racks; handle cash and checks for deposit; purchase supplies. Shift subject to change.

Requirements: High School diploma or equivalent. Prior book handling experience preferred. NYS driver's license; able to operate 1-ton truck. Able to lift 70 pounds and climb 8 foot ladder. Knowledge of campus and local community. Good reading and writing skills required.

Cook, SO06 (G5743)

Statler Hotel-Endowed

Minimum hourly rate: \$6.85

Assists the hotel chefs in preparation of food for all outlets. Some nights and weekends.

Requirements: High School diploma. Minimum 2-3 years experience in hot and cold food preparation in a high volume operation. Good reading and writing skills.

Meat Cutter, SO07 (G5740)

Statler Hotel-Endowed

Minimum hourly rate: \$7.15

Process meat and fish products into individual portion cuts; oversee inventory control of all meat products; proper rotation and distribution of meat; responsible to the School of Hotel Administration for some student teaching. Some nights and weekends.

Requirements: High School diploma or equivalent. Minimum 3 years meat cutting experience in hotel or other high volume operation. Good reading and writing skills.

Cook, SO08 (G5738)

Dining-Endowed

Minimum hourly rate: \$7.45

Prepare and present a full variety of foods including soups, sauces, casseroles, meats and vegetables through own efforts and through supervision of staff. Shift subject to change.

Requirements: High School diploma or equivalent. 3-5 years experience in preparing full range of entrees; knowledge of food cooking processes (grilling, frying, roasting, steaming) in an institutional environment preferred. Working knowledge of use and maintenance of charbroilers, steam jacket kettles, pressure steamers, ovens, slicers, mixers, choppers and various hand tools. Supervisory skills desirable.

General Service Off-Campus

Maintenance Mechanician, GR20 (G5741)

Buildings and Properties (Geneva)-Statutory

Minimum Biweekly Salary: \$534.30

Assist with electrical work and other trades to maintain, add to, or improve buildings, properties, and related facilities.

Requirements: High School diploma or equivalent. Valid New York State driver's license. Minimum 2-3 years experience in basic maintenance work. Knowledge of electrical circuits and general wiring with ability to use Vom's and AMP probes.

Maintenance Mechanician, GR23 (G5742)

Buildings and Properties (Geneva)-Statutory

Minimum Biweekly Salary: \$604.49

Maintenance and repair of all building plumbing and heating systems, firing high pressure boilers, renovation and installing plumbing and heating equipment.

Requirements: High School diploma or equivalent. Valid New York State driver's license. Minimum 3-4 years related experience. Practical knowledge and experience in plumbing, heating, sheet metal, and new installations in various facilities. Must be able to operate high pressure steam boilers and related equipment.

General Service Part-Time

Food Service Worker, SO01 (G5712, G5714, G5716)

Dining-Endowed

Minimum hourly rate: \$5.59

Set-up, display and serve food and/or beverage. Check Co-op dining cards for validity and make sale transactions by cash or credit card. Shift subject to change. 30 hours per week.

Requirements: High School diploma or equivalent. Knowledge of food preparation and presentation preferred. Good customer relation skills. Basic reading and computation skills required.

Food Service Worker, SO01 (G5713)

Dining-Endowed

Minimum hourly rate: \$5.50

Set-up, display and serve food and/or beverage. Check Co-op dining cards for validity and make sale transactions by cash or credit card. Shift subject to change. 35 hrs per week.

Requirements: High School diploma or equivalent. Knowledge of food preparation and presentation preferred. Good customer relation skills. Basic reading and computation skills required.

Custodian, SO02 (G5728)

Dining-Endowed

Minimum hourly rate: \$5.75

Provide general custodial care in assigned area. Shift subject to change. 30 hours per week.

Requirements: High School diploma or equivalent. Able

to operate a variety of heavy power equipment, lift 75 pounds and climb an 8 foot ladder. Basic reading and writing skills.

Food Service Worker, SO02 (G5719)

Dining-Endowed

Minimum hourly rate: \$5.75

Prepare, present and serve food items for Co-op, cash, catering or special events. Shift subject to change. 30 hours per week.

Requirements: High School diploma or equivalent. 1 year related experience. Working knowledge of food preparation and presentation. Able to operate choppers, slicers, mixers, ovens, steam kettles, pressure steamers and various hand tools. Good customer relation skills.

Material Handler, SO04 (G5730)

Dining-Endowed

Minimum hourly rate: \$6.25

Receive, inspect, store and issue food products, equipment and supplies. Clean and maintain assigned areas. Shift subject to change. 30 hours per week.

Requirements: High School diploma or equivalent. Basic reading and computation skills required. Knowledge of storeroom/inventory techniques and purchasing/receiving food. Able to lift 75 pounds on continuous basis. NYS driver's license required.

General Service Temporary

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

Gardener, SO04 (T5513, T5514, T5517)

Plantations-Statutory

Minimum hourly rate: \$6.25

Assist gardening staff in the installation of new gardens and in the maintenance of existing gardens. Duties include garden cleanup, planting, fertilizing, mulching, watering, raking, and such related tasks as plant labels, plant records, greenhouse care, and nursery maintenance. Until 10/30. Monday-Thursday 7-3:30; Friday 7-2:30.

Requirements: High School diploma required and valid driver's license required. 1-2 years work experience in park, arboretum, or botanical garden desired. Strong interest in horticulture required. Must be able to lift 100 pounds and must be willing to work outside during all weather conditions. Apply as soon as possible.

Groundswoker, SO04 (T5506-T5511)

Plantations-Statutory

Minimum hourly rate: \$6.25

Assist grounds maintenance staff in landscape maintenance and construction, including planting, mowing, weeding, mulching, watering, fertilizing, pruning, policing of grounds, maintenance of equipment, and maintenance of walls, steps and fences. Until 10/27. Monday-Thursday, 7:30-4; Friday, 7:30-3.

Requirements: High School diploma required and valid driver's license required. 1-2 years work experience in park, arboretum, or botanical garden desired. Strong interest in horticulture and landscape construction required. Must be able to lift 100 pounds and must be willing to work outside during all weather conditions. Apply as soon as possible.

Gardener, SO04 (T5512)

Plantations-Statutory

Minimum hourly rate: \$6.25

Assist grounds maintenance staff in landscape maintenance and construction, including planting, mowing, weeding, mulching, watering, fertilizing, pruning, policing of grounds, maintenance of equipment, and maintenance of walls, steps and fences. Until 11/22. Monday-Thursday, 7:30-4; Friday, 7:30-3.

Requirements: High School diploma required and valid driver's license required. 2 years work experience in park, arboretum, or botanical garden desired. Strong interest in horticulture and landscape construction required. Must be able to lift 100 pounds and must be willing to work outside during all weather conditions. Apply as soon as possible.

Gardener, SO04 (T5515, T5516)

Plantations-Statutory

Minimum hourly rate: \$6.25

Assist gardening staff in the installation of new gardens and in the maintenance of existing gardens. Duties include garden cleanup, planting, fertilizing, mulching, watering, raking, and such related tasks as plant labels, plant records, greenhouse care, and nursery maintenance. Until 11/29. 20 hours per week; times to be arranged.

Requirements: High School diploma required and valid driver's license required. 1-2 years work experience in park, arboretum, or botanical garden desired. Strong interest in horticulture required. Must be able to lift 100 pounds and must be willing to work outside during all weather conditions. Apply as soon as possible.

Academic

Research Associate II (Part-time)

Human Service Studies

Forward a vita and three references to Dr. Josephine Allen, Human Service Studies, N132 Martha Van Rensselaer Hall, Cornell University, Ithaca, NY 14853-4401.

Temporary Seasonal Job Opportunities Available

With spring just around the corner, the university will have several temporary job opportunities available for grounds, gardening and field staff.

Individuals with landscape maintenance, construction, heavy equipment, planting and harvesting skills are encouraged to apply. Requirements may include a NYS class I or III drivers and/or pesticide applicators license plus some related experience.

Call Staffing Services, 255-5226, to request employment materials or stop by Cornell's East Hill Plaza employment office. Complete and return a Cornell employment application and skills assessment form to Staffing Services, Office of Human Resources, 160 Day Hall, Ithaca, NY 14853.

Important Information:

Deadline to Submit Select Benefits Claims for Expenses Accrued in 1988 is March 31

The three-month grace period to submit claims for last year's (1988) Select Benefits plan year ends March 31, 1989. This deadline is final. According to IRS regulations, any amounts remaining in a Select Benefits medical care or dependent care reimbursement account after the March 31 date cannot be reimbursed.

Note to Office Professionals: Please Complete and Return Part II of Questionnaire

Part I of the Career Development Questionnaire was printed in the February 16 issue of Cornell Employment News. Many thanks to all of you who filled out the questionnaire. Your responses are important and will help Training and Development create a curriculum which reflects your views. If you have already submitted the questionnaire and indicated that you would be willing to share more of your views, please take a few minutes to complete Part II & return it to Training & Development, 107 Day Hall. Thank you.

Part II

Name (optional) _____

Telephone No. (optional) _____

Present Job Title & Grade _____

How long have you worked in your present position?

Years _____ Months _____

What was the last year of formal schooling that you completed?

High School 9 10 11 12 Diploma _____

College 1 2 3 4 Degree _____

Other (specify) _____

When is the best time for you to attend a professional development program?

Monday _____

Tuesday _____

Wednesday _____ Time _____

Thursday _____

Friday _____

Saturday _____

Any comments or suggestions that you wish to make and think may be helpful in developing this curriculum for office professionals, will be appreciated. Thank you again for your time and effort. Please return this form to Training and Development, 107 Day Hall, at your earliest convenience.